nationalgrid

Thomas R. Teehan
Senior Counsel

October 1, 2013

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4436 - 2013 Gas Cost Recovery Filing
Responses to Division Data Requests – Set 2

Dear Ms. Massaro:

Enclosed please find ten (10) copies of the National Grid's[1] responses to the Rhode Island Division of Public Utilities and Carriers' (the "Division") Second Set of Data Requests concerning the above-referenced proceeding.

Please be advised that pursuant to Commission Rule 1.2(g) and R.I.G.L. § 38-2-2(4)(B), the Company is seeking protective treatment to response Division 2-8(a) and Attachment DIV 2-8-b. The Company is providing one (1) copy of the confidential materials in an envelope marked, **"Contains Confidential Information – Do Not Release."** This filing also contains a Motion for Protective Treatment in accordance with Rule 1.2(g) of the Commission's Rules of Practice and Procedure and R.I.G.L. § 38-2-2(4)(B).

Accordingly, the Company has provided the Commission with the un-redacted confidential materials mentioned above for its review and has provided the same to the Division and its consultant.

This transmittal completes the Company's responses to the Division's Second Set of Data Requests in this proceeding.

Thank you for your attention to this filing. If you have any questions, please contact me at (401) 784-7667.

Very truly yours,

Thomas R. Teehan

Enclosures
cc: Docket 4346 Service List
Leo Wold, Esq.
Steve Scialabba
Bruce Oliver

[1] The Narragansett Electric Company d/b/a National Grid ("National Grid" or the "Company").

Certificate of Service

I hereby certify that a copy of the cover letter and/or any materials accompanying this certificate were electronically transmitted to the individuals listed below. Copies of this filing were hand delivered to the RI Public Utilities Commission and the RI Division.

___________________________________ October 2, 2013

Joanne M. Scanlon Date

Docket No. 4436 – National Grid – 2013 Annual Gas Cost Recovery Filing ("GCR") - Service List as of 9/9/13

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File an original & nine (9) copies w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick RI 02888	Luly.massaro@puc.ri.gov Patricia.lucarelli@puc.ri.gov Sharon.ColbyCamara@puc.ri.gov	401-780-2107

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

RHODE ISLAND PUBLIC UTILITIES COMMISSION

National Grid 2013 Gas Cost Recovery	)	Docket No. 4436

MOTION OF THE NARRAGANSETT ELECTRIC COMPANY, D/B/A NATIONAL GRID FOR PROTECTIVE TREATMENT OF CONFIDENTIAL INFORMATION

The Narragansett Electric Company, d/b/a National Grid (the "Company") hereby requests that the Rhode Island Public Utilities Commission ("Commission") grant protection from public disclosure of certain confidential and proprietary information submitted in this proceeding, as permitted by Commission Rule 1.2(g) and R.I.G.L. § 38-2-2(4)(B).

I. BACKGROUND

On October 2, 2013, the Company filed with the Commission its response to Division 2-8 in the second set of data requests from the Division of Public Utilities and Carriers in this docket. The Company is seeking protective treatment for the contract pricing information contained in the response to DIV 2-8 (a) and Attachment 2-8-b to that response. As discussed below, these attachments contain gas pricing and forecasts including forecasted purchased volume amounts that are confidential and proprietary. The Company has also filed redacted copies of its filing deleting the confidential information in question.

II. LEGAL STANDARD

Rule 1.2(g) of the Commission's Rules of Practice and Procedure provides that access to public records shall be granted in accordance with the Access to Public Records Act ("APRA"), R.I.G.L. §38-2-1, *et seq.* Under APRA, all documents and materials submitted in connection with the transaction of official business by an agency is deemed to be a "public record," unless the information contained in such documents and materials falls within one of the exceptions specifically identified in R.I.G.L. §38-2-2(4). Therefore, to the extent that information provided to the Commission falls within one of the designated exceptions to the public records law, the Commission has the authority under the terms of APRA to deem such information to be confidential and to protect that information from public disclosure.

In that regard, R.I.G.L. §38-2-2(4)(B) provides that the following records shall not be deemed public:

> Trade secrets and commercial or financial information obtained from a person, firm, or corporation which is of a privileged or confidential nature.

The Rhode Island Supreme Court has held that the determination as to whether this exemption applies requires the application of a two-pronged test set forth in Providence Journal Company v. Convention Center Authority, 774 A.2d 40 (R.I.2001). The first prong of the test assesses whether the information was provided voluntarily to the governmental agency. Providence Journal, 774 A.2d at 47. If the answer to the first question is affirmative, then the question becomes whether the information is "of a kind that would customarily not be released to the public by the person from whom it was obtained." Id.

III. BASIS FOR CONFIDENTIALITY

The responses to Division 2-8 and Attachment DIV 2-8-b contain including supply and fixed costs, storage costs and LNG tank lease payments. This gas-cost pricing information is confidential and proprietary information of the type that the Company would ordinarily not make public. The dissemination of this type of information could impact the Company's ability in the future to procure gas and obtain advantageous pricing.

IV. CONCLUSION

In light of the foregoing, the Company respectfully requests that the Commission grant its Motion for Protective Treatment as stated herein.

Respectfully submitted,

THE NARRAGANSETT ELECTRIC COMPANY

By its attorney,

Thomas R. Teehan

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Thomas R. Teehan (RI #4698)
280 Melrose Street
Providence, RI 02907
(401) 784-7667

Dated: October 2, 2013

Division 2-2

Request:

Re: the September 3, 2013, Direct Testimony of witness Ann E. Leary, please provide quantitative analyses that demonstrate by C&I rate classification that the effective costs of capacity for C&I Sales service customers are comparable to the effective costs of capacity for FT-2 customers.

Response:

Please see Attachment DIV-2-2 that compares the fixed gas costs that the FT-2 customers would pay if they were on the Company's GCR rates as compared to the fixed gas costs the Marketers pay under the FT-2 Demand rate and the Pipeline capacity costs. For comparison purposes, the Company removed from its Fixed GCR rates the prior period reconciliation, and the Marketer Reconciliation. Also the pipeline capacity costs were based on the overall system average costs of capacity as calculated in Attachment EDA-4, page 10 of 18. The FT-2 charges are $512,631 more than the $4.4 million in C&I sales costs the marketers would have incurred if they purchased C&I sales service at the forecasted level of transportation throughput.

Line No.		Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-Oct
	FT-2 Transportation Throughput (Dth)													
1	FT-2 Small	2,250	1,677	1,644	2,553	592	301	349	0	334	1,686	1,713	2,024	15,122
2	FT-2 Medium	99,416	182,756	229,232	249,175	209,203	148,289	104,886	57,962	44,096	39,692	40,531	58,730	1,463,968
3	FT-2 Large LLF	71,916	147,025	210,595	203,883	190,357	133,483	83,410	31,997	14,511	11,871	15,623	33,531	1,148,201
4	FT-2 Large HLF	27,348	36,880	43,227	43,445	45,947	35,891	30,471	26,027	20,370	18,515	26,819	21,522	376,461
5	FT-2 Extra Large LLF	2,178	5,869	5,957	5,318	5,607	3,892	2,519	580	271	165	307	1,080	33,744
6	FT-2 Extra Large HLF	15,340	21,701	21,601	21,564	29,303	20,129	19,681	17,236	14,412	15,764	16,308	15,293	228,331
7	**Total FT-2 Transportation**	218,449	395,907	512,256	525,938	481,008	341,986	241,317	133,802	93,993	87,693	101,298	132,180	3,265,827
8														
9	GCR Filed Fixed Rate	$/therm												
10	HLF	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	
11	LLF	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	
12														
13	GCR Filed Fixed Rate excluding Prior period reconciliation and Marketer Reconciliation													
14	HLF	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	$1.1191	
15	LLF	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	$1.3886	
16														
17	**GCR Revenue Assuming Transportation Customers Paid GCR Rates**													
18	FT-2 Small	$3,124	$2,328	$2,282	$3,545	$822	$418	$485	$0	$464	$2,342	$2,378	$2,810	$20,999
19	FT-2 Medium	$138,049	$253,774	$318,312	$346,004	$290,500	$205,914	$145,645	$80,486	$61,232	$55,117	$56,281	$81,553	$2,032,866
20	FT-2 Large LLF	$99,863	$204,158	$292,433	$283,112	$264,330	$185,355	$115,823	$44,431	$20,150	$16,484	$21,694	$46,561	$1,594,392
21	FT-2 Large HLF	$30,605	$41,272	$48,376	$48,619	$51,419	$40,166	$34,100	$29,127	$22,796	$20,720	$30,013	$24,086	$421,297
22	FT-2 Extra Large LLF	$3,025	$8,150	$8,271	$7,385	$7,786	$5,404	$3,498	$805	$376	$230	$426	$1,500	$46,856
23	FT-2 Extra Large HLF	$17,167	$24,285	$24,173	$24,133	$32,793	$22,527	$22,025	$19,289	$16,128	$17,641	$18,250	$17,114	$255,525
24														
25	**Total**	$291,833	$533,969	$693,847	$712,797	$647,649	$459,784	$321,576	$174,138	$121,145	$112,533	$129,041	$173,624	$4,371,936
26														
27	**Marketer Rates**													
28														
29	FT-2 Demand													
30	MDCQ	13,633	13,633	13,633	13,633	13,633	13,633	13,633	13,633	13,633	13,633	13,633	13,633	163,596
31	Marketer FT-2 Rate	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	$9.4258	
32	FT-2 Storage Costs	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$1,542,023
33														
34	FT-2													
35	Pipeline	MDCQ												
36	Marketer A	9,636	9,636	9,636	9,636	9,636	9,636	9,636	9,636	9,636	9,636	9,636	9,636	
37	Marketer B	548	548	548	548	548	548	548	548	548	548	548	548	
38	Marketer C	272	272	272	272	272	272	272	272	272	272	272	272	
39	Marketer D	1,847	1,847	1,847	1,847	1,847	1,847	1,847	1,847	1,847	1,847	1,847	1,847	
40	Marketer E	2,363	2,363	2,363	2,363	2,363	2,363	2,363	2,363	2,363	2,363	2,363	2,363	
41	Marketer F	1,555	1,555	1,555	1,555	1,555	1,555	1,555	1,555	1,555	1,555	1,555	1,555	
42	Marketer G	212	212	212	212	212	212	212	212	212	212	212	212	
43	Total	16,433	16,433	16,433	16,433	16,433	16,433	16,433	16,433	16,433	16,433	16,433	16,433	
44														
45	System Average Pipeline Cost	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	$16.9504	
46														
47														
48	Total Pipeline Capacity Costs	$278,546	$278,546	$278,546	$278,546	$278,546	$278,546	$278,546	$278,546	$278,546	$278,546	$278,546	$278,546	$3,342,553
49														
50	Total Marketer Costs	$407,048	$407,048	$407,048	$407,048	$407,048	$407,048	$407,048	$407,048	$407,048	$407,048	$407,048	$407,048	$4,884,576
51														
52	**Variance**	($115,215)	$126,921	$286,799	$305,749	$240,601	$52,736	($85,472)	($232,910)	($285,903)	($294,515)	($278,007)	($233,424)	($512,641)

Division 2-4

Request:

Re: Attachment AEL-1, please provide the workpapers, data, analyses, studies and other documents upon which the Company relies to demonstrate that the proposed design of GCR charges based on high load factor and low load factor categories of service properly assigns Storage Variable Non-Product Costs to FT-2 marketers.

Response:

Please see the electronic workpapers as provided in response to Division 2-1. With the consolidation of the GCR from five to two cost categories in Docket No. 4346, the Company no longer separately identifies the Storage Variable Non-Product costs (which are costs associated with transporting gas from storage to the Company's city gate, injection and withdrawal cost from storage, and fuel costs associated with storage). In prior GCR filings, these costs were separately identified and developed into a separate component so that the Company could bill the FT-2 Marketers this factor. However, with the changes in the Marketer Terms and Conditions approved in Docket No. 4270, FT-2 marketers now pay monthly charges for the underground storage and peaking gas that they use. This monthly price will be based on the monthly inventory price plus the price for transporting gas from Storage to the Company's city gate, injection and withdrawal costs from storage, and fuel costs. As a result, these Storage Variable Non-Product costs that were previously included in the monthly FT-2 Marketer rate will now be recovered through the monthly pricing storage charge.

Division 2-5

Request:

Re: Attachment AEL-1, page 11 of 12, please provide:

a. The Company's projections of the numbers of Small C&I customers that will migrate from Sales service to FT-2 Transportation Service in each month of the 2013-2014 GCR period.

b. The Company's projections of the Small C&I customer volumes that will migrate from Sales service to FT-2 Transportation Service in each month of the 2013-2014 GCR period.

c. The number of Small C&I customers and associated annual normal weather volumes that have migrated from Sales service to FT-2 Transportation Service to date.

Response:

a. In developing its forecast of volumes and meter count for the 2013-14 GCR filing, the Company modeled each rate class independently. Its forecast only includes the net volumes and meter count for Small C&I (404) and FT-2 Small (443) and it does not contain the numbers of Small C&I customers that will migrate from Sales service to FT-2 Transportation Service in each month of the 2013-2014 GCR period. In Attachment DIV 2-5-1, the Company's forecast of meter count for FT-2 Small (443) is 55 meters in each month of the 2013-2014 GCR period.

b. In developing its forecast of volumes and meter count for the 2013-14 GCR filing, the Company modeled each rate class independently. Its forecast only includes the net volumes and meter count for Small C&I (404) and FT-2 Small (443) and it does not contain the volumes that will migrate from Sales service to FT-2 Transportation Service in each month of the 2013-2014 GCR period. Attachment DIV-2-5-1 contains the Company's forecast of volumes for FT-2 Small (443), which can also be found in Attachment AEL-1, page 11 of 12.

c. The Company's data only includes the net volumes and meter count for Small C&I (404) and FT-2 Small (443) and it does not contain the data on volumes and meter count associated with migration from Sales service to FT-2 Transportation Service. Attachment DIV 2-5-2 contains historical actual and forecasted normal volumes and meter count for the period July 2012 through October 2013. The historical data will not necessarily align

Division 2-5, page 2

with the Company's accounting data as it will include corrections performed as part of the Company'sforecasting process for meter reading schedule deviations.

In September 2012, the first meter count occurs for the FT-2 Small (443) class.

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing

Forecasted Throughput (Dth)

Line No.	Rate Class	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-Oct
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(1)	Small C&I	124,881	233,848	444,412	414,368	376,672	269,937	159,601	84,920	59,686	56,067	66,038	65,130	2,355,561
(2)	FT-2 Small	2,250	1,677	1,644	2,553	592	301	349	0	334	1,686	1,713	2,024	15,122

Forecasted Meter Count

Line No.	Rate Class	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(3)	Small C&I	18,445	18,581	18,830	19,080	19,281	19,269	19,199	19,075	18,903	18,731	18,486	18,490
(4)	FT-2 Small	55	55	55	55	55	55	55	55	55	55	55	55

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing

Historical Actual/Forecasted Throughput (Dth)

		Historical Actual								Forecast Normal							
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
Line No.	Rate Class	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
(1)	Small C&I	77,812	59,520	57,411	77,884	153,533	299,104	442,763	489,883	383,211	279,006	161,757	86,012	61,216	56,945	66,829	64,712
(2)	FT-2 Small	0	343	356	488	2,448	7,923	13,777	24,802	6,306	3,173	3,424	0	3,088	17,483	17,793	19,614

Historical/Forecasted Meter Count

Line No.	Rate Class	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
(3)	Small C&I	19,215	18,945	18,702	18,519	18,297	18,475	18,741	18,807	19,164	19,151	19,088	18,967	18,799	18,631	18,391	18,394
(4)	FT-2 Small	0	0	1	8	13	24	37	55	55	55	55	55	55	55	55	55

Redacted

Division 2-8

Request:

Re: Attachment AEL-1, page 8 of 12, please document the source and derivation of the amounts shown by month for:

a. "LNG Demand to DAC" on line 2;

b. "Supply Related LNG O&M Costs" on line 4.

Response:

a. The monthly "LNG Demand to DAC" of ($124,066) as shown on Attachment AEL-1, page 8 of 12, line (3) is based on the monthly forecasted National Grid LNG Tank Lease Payments of $ **[REDACTED]** as shown in Attachment EDA-2, Page 13 of 17, multiplied by **[REDACTED]** % as in Docket No. 4339 Settlement Agreement. This is then subtracted from the GCR and will be collected through the DAC in Docket No. 4431.

b. The "Supply Related LNG O&M Costs" shown on Attachment AEL-1, page 8 of 12, line (5) is based on the fixed portion of $575,581 of the total annual Supply Related LNG O&M costs as reflected in Docket No. 4323 Compliance Attachment 6, Schedule MDL-3-GAS, divided by 12 months. Upon further review, the Company determined that it should have removed the Supply Related LNG O&M Costs from its Working Capital calculation since these costs were included as part of the cash working capital approved in Docket No. 4323. These small revisions will have no impact to the GCR Factors proposed by the Company of $0.6381 per therm for the High Load rate classes and $0.6626 per therm for the Low Load rate classes. This revision will slightly decrease the proposed FT-2 Demand Rate from $9.7373 to $9.7353 per MDCQ dekatherm per month effective November 1, 2013. Please see Attachment DIV-2-8-b for the revised Attachment AEL-1 (page 9) and Attachment AEL-5 (page 2).

Prepared by or under the supervision of: Ann E. Leary

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Factors Effective November 1, 2013

Line No.	Description (a)	Source: Reference (b)	Source: Line # (c)	High Load[1] (d)	Low Load[2] (e)	FT-2 Mkter[3] (f)
(1)	Fixed Cost Factor	AEL-1 pg 2	Line (17)	$0.9860	$1.2235	
(2)	Variable Cost Factor	AEL-1 pg 3	Line (13)	$5.1921	$5.1921	
(3)	Total Gas Cost Recovery Charge	(1) + (2)		$6.1781	$6.4156	
(4)	Uncollectible %	Docket 4323		3.18%	3.18%	
(5)	Total GCR Charge adjusted for Uncollectibles	(3) / [1 - (4)]		$6.3810	$6.6263	
(6)	**GCR Charge on a per therm basis**	(5) / 10		**$0.6381**	**$0.6626**	
(7)	Current rate effective 02/01/13*			$0.6240	$0.6725	
(8)	Increase (Decrease)	(6) - (7)		$0.0141	($0.0099)	
(9)	Percent Increase (Decrease)	(8) / (7)		2.3%	-1.5%	

* GCR rates approved with the rate case changes per Dkt 4323 Compliance Filing filed on January 24, 2013

[1] Includes: Residential Non Heating, Large High Load and Extra Large High Load

[2] Includes: Residential Heating, Small C&I, Medium C&I, Large Low Load, Extra Large Low Load

[3] See AEL-5 for calculation of FT-2 rate

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Fixed Cost Calculation ($ per Dth)

Line No.	Description (a)	Source: Reference (b)	Source: Line # (c)	Amount (d)	High Load Factor Total (e)	Low Load Factor Total (f)
(1)	Fixed Costs (net of Cap Rel to marketers)	AEL-1 pg 4	Line (59)	$44,878,613		
	Less:					
(2)	NGPMP Customer Benefit	EDA-1		($6,900,000)		
(3)	Interruptible Costs			$0		
(4)	FT-2 Storage Demand Costs	AEL-5 pg 3	Line (5)	($1,542,023)		
(5)	LNG Demand to DAC*			($1,488,790)		
(6)	Refunds			$0		
(7)	Total Credits	sum[(2):(6)]		($9,930,813)		
	Plus:					
(8)	Supply Related LNG O&M Costs	Dkt 4323	Compliance Attachment 6 Schedule MDL-3-GAS	$575,581		
(9)	Working Capital Requirement	AEL-1 pg 8	Line (16)	$257,237		
(10)	Deferred Fixed Cost Under/(Over)-recovered	AEL-1 pg 6	Line (17)	($4,245,368)		
(11)	Reconciliation Amount from Fixed costs- Marketers	AEL-7 pg 2	Line (51)	($8,205)		
(12)	Total Additions	sum[(8):(11)]		($3,420,755)		
(13)	Total Fixed Costs	(1) + (7) + (12)		$31,527,045		
(14)	Design Winter Sales Percentage	AEL-1 pg 12	Lines (10) & (11)		4.07%	95.93%
(15)	Allocated Supply Fixed Costs	(13) x (14)			$1,283,459	$30,243,586
(16)	Sales (Dt) Nov 2013 - Oct 2014	AEL-1 pg 11	Line (9)	26,019,992	1,301,599	24,718,392
(17)	**Fixed Factor**	(15) / (16)			**$0.9860**	**$1.2235**

* System Balancing Factor (Dkt 4339)
Line (16)
Col (e): AEL-1, page 11, Line 9, Sum of Line (1), (6), (8)
Col (f): AEL-1, page 11, Line 9, Sum of Line (2)-(5) and (7)

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Variable Cost Calculation ($ per Dth)

Line No.	Description	Source: Reference	Source: Line #	Amount
	(a)	(b)	(c)	(d)
(1)	Variable Costs, excluding Refunds	AEL-1 pg 5	Line (90) - Line (84)	$115,846,905
	Less:			
(2)	Non-Firm Sales			$0
(3)	Refunds	AEL-1 pg 5	Line (84)	$0
(4)	Total Credits	sum [(2):(3)]		$0
	Plus:			
(5)	Working Capital	AEL-1 pg 8	Line (32)	$686,799
(6)	Deferred Variable Cost Under/(Over)-recovered	AEL-1 pg 6	Line (34)	$16,104,739
(7)	Supply Related LNG O&M	Docket 4323	Compliance Attachment 6 Schedule MDL-3-GAS	$572,694
(8)	Inventory Financing - LNG	AEL-1 pg 10	Line (22)	$403,203
(9)	Inventory Financing - Storage	AEL-1 pg 10	Line (12)	$1,485,211
(10)	Total Additions	sum [(5):(9)]		$19,252,648
(11)	Total Variable Supply Costs	(1) + (4) + (10)		$135,099,553
(12)	Sales (Dt) Nov 2013 - Oct 2014	AEL-1 pg 11	Line (9)	26,019,992
(13)	**Variable Cost Factor**	(11) / (12)		**$5.1921**

REDACTED

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Gas Cost Estimate

Line No.	Description (a)	Reference (b)	Nov-13 (c)	Dec-13 (d)	Jan-14 (e)	Feb-14 (f)	Mar-14 (g)	Apr-14 (h)	May-14 (i)	Jun-14 (j)	Jul-14 (k)	Aug-14 (l)	Sep-14 (m)	Oct-14 (n)	Nov-Oct (o)
	SUPPLY FIXED COSTS - Pipeline Delivery														
(1)	Algonquin	EDA-2	$689,947	$689,947	$689,947	$689,947	$689,947	$689,947	$689,947	$689,947	$689,947	$689,947	$689,947	$689,947	$8,279,365
(2)	Texas Eastern	EDA-2	$212,457	$212,457	$212,457	$212,457	$212,457	$212,457	$212,457	$212,457	$212,457	$212,457	$212,457	$212,457	$2,549,487
(3)	TETCO	EDA-2	$493,799	$493,799	$493,799	$493,799	$493,799	$493,799	$493,799	$493,799	$493,799	$493,799	$493,799	$493,799	$5,925,591
(4)	Tennessee	EDA-2	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$1,015,024	$12,180,286
(5)	NETNE	EDA-2	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(6)	Iroquois	EDA-2	$6,676	$6,676	$6,676	$6,676	$6,676	$6,676	$6,676	$6,676	$6,676	$6,676	$6,676	$6,676	$80,115
(7)	Union	EDA-2	$2,454	$2,536	$2,536	$2,290	$2,536	$2,454	$2,536	$2,454	$2,536	$2,536	$2,454	$2,536	$29,855
(8)	Transcanada	EDA-2	$9,434	$9,748	$9,748	$8,805	$9,748	$9,434	$9,748	$9,434	$9,748	$9,748	$9,434	$9,748	$114,777
(9)	Dominion	EDA-2	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$27,091
(10)	Transco	EDA-2	$7,816	$8,077	$8,077	$7,295	$8,077	$7,816	$8,077	$7,816	$8,077	$8,077	$7,816	$8,077	$95,100
(11)	National Fuel	EDA-2	$4,664	$4,664	$4,664	$4,664	$4,664	$4,664	$4,664	$4,664	$4,664	$4,664	$4,664	$4,664	$55,962
(12)	Columbia	EDA-2	$271,822	$271,822	$271,822	$271,822	$271,822	$271,822	$271,822	$271,822	$271,822	$271,822	$271,822	$271,822	$3,261,867
(13)	Hubline	EDA-2	$74,203	$74,203	$74,203	$74,203	$74,203	$74,203	$74,203	$74,203	$74,203	$74,203	$74,203	$74,203	$890,437
(14)	Westerly Lateral	EDA-2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(15)	East to West	EDA-2	$69,591	$69,591	$69,591	$69,591	$69,591	$69,591	$69,591	$69,591	$69,591	$69,591	$69,591	$69,591	$835,092
(16)	Less Credits from Mkter Releases	EDA-2	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($493,562)	($5,922,744)
(17)	**TOTAL SUPPLY FIXED COSTS - Pipeline**	sum[(1):(16)]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Supply Fixed - Supplier														
(18)	Distrigas FCS	EDA-2	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(19)	**Total**	(18)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(20)	**Total Supply Fixed (Pipeline & Supplier)**	(17) + (19)	$2,421,567	$2,422,224	$2,420,873	$2,418,903	$2,420,873	$2,420,216	$2,420,873	$2,420,216	$2,420,873	$2,420,873	$2,420,216	$2,420,873	$29,048,581
	STORAGE FIXED COSTS - Facilities														
(21)	Texas Eastern SS-1 Demand	EDA-2	$78,924	$78,924	$78,924	$78,924	$78,924	$78,924	$78,924	$78,924	$78,924	$78,924	$78,924	$78,924	$947,091
(22)	Texas Eastern SS-1 Capacity	EDA-2	$13,361	$13,361	$13,361	$13,361	$13,361	$13,361	$13,361	$13,361	$13,361	$13,361	$13,361	$13,361	$160,336
(23)	Texas Eastern FSS-1 Demand	EDA-2	$845	$845	$845	$845	$845	$845	$845	$845	$845	$845	$845	$845	$10,139
(24)	Texas Eastern FSS-1 Capacity	EDA-2	$610	$610	$610	$610	$610	$610	$610	$610	$610	$610	$610	$610	$7,324
(25)	Dominion GSS Demand	EDA-2	$21,025	$21,025	$21,025	$21,025	$21,025	$21,025	$21,025	$21,025	$21,025	$21,025	$21,025	$21,025	$252,298
(26)	Dominion GSS Capiacity	EDA-2	$15,070	$15,070	$15,070	$15,070	$15,070	$15,070	$15,070	$15,070	$15,070	$15,070	$15,070	$15,070	$180,839
(27)	Dominion GSS-TE Demand	EDA-2	$26,435	$26,435	$26,435	$26,435	$26,435	$26,435	$26,435	$26,435	$26,435	$26,435	$26,435	$26,435	$317,215
(28)	Dominion GSS-TE Capacity	EDA-2	$19,957	$19,957	$19,957	$19,957	$19,957	$19,957	$19,957	$19,957	$19,957	$19,957	$19,957	$19,957	$239,480
(29)	Tennessee FSMA Demand	EDA-2	$32,600	$32,600	$32,600	$32,600	$32,600	$32,600	$32,600	$32,600	$32,600	$32,600	$32,600	$32,600	$391,203
(30)	Tennessee FSMA Capacity	EDA-2	$17,204	$17,204	$17,204	$17,204	$17,204	$17,204	$17,204	$17,204	$17,204	$17,204	$17,204	$17,204	$206,445
(31)	Columbia FSS Demand	EDA-2	$3,840	$3,840	$3,840	$3,840	$3,840	$3,840	$3,840	$3,840	$3,840	$3,840	$3,840	$3,840	$46,085
(32)	Columbia FSS Capacity	EDA-2	$5,894	$5,894	$5,894	$5,894	$5,894	$5,894	$5,894	$5,894	$5,894	$5,894	$5,894	$5,894	$70,732
(33)	Keyspan LNG Tank Lease Payment	EDA-2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(34)	**TOTAL FIXED STORAGE COSTS**	sum[(21):(33)]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	STORAGE FIXED COSTS - Delivery														
(35)	Algonquin for TETCO SS-1	EDA-2	$90,778	$90,778	$90,778	$90,778	$90,778	$90,778	$90,778	$90,778	$90,778	$90,778	$90,778	$90,778	$1,089,335
(36)	Algonquin delivery for FSS	EDA-2	$6,062	$6,062	$6,062	$6,062	$6,062	$6,062	$6,062	$6,062	$6,062	$6,062	$6,062	$6,062	$72,740
(37)	TETCO delivery for FSS	EDA-2	$4,768	$4,768	$4,768	$4,768	$4,768	$4,768	$4,768	$4,768	$4,768	$4,768	$4,768	$4,768	$57,218
(38)	Algonquin SCT for SS-1	EDA-2	$1,708	$1,708	$1,708	$1,708	$1,708	$1,708	$1,708	$1,708	$1,708	$1,708	$1,708	$1,708	$20,497
(39)	Algonquin delivery for GSS, GSS-TE,	EDA-2	$75,380	$75,380	$75,380	$75,380	$75,380	$75,380	$75,380	$75,380	$75,380	$75,380	$75,380	$75,380	$904,556
(40)	Algonquin SCT delivery for GSS-TE	EDA-2	$480	$480	$480	$480	$480	$480	$480	$480	$480	$480	$480	$480	$5,764
(41)	Algonquin delivery for GSS Conv	EDA-2	$20,168	$20,168	$20,168	$20,168	$20,168	$20,168	$20,168	$20,168	$20,168	$20,168	$20,168	$20,168	$242,013
(42)	Tennessee delivery for GSS	EDA-2	$57,093	$57,093	$57,093	$57,093	$57,093	$57,093	$57,093	$57,093	$57,093	$57,093	$57,093	$57,093	$685,111
(43)	Tennessee delivery for FSMA	EDA-2	$34,901	$34,901	$34,901	$34,901	$34,901	$34,901	$34,901	$34,901	$34,901	$34,901	$34,901	$34,901	$418,809
(44)	TETCO delivery for GSS	EDA-2	$34,123	$34,123	$34,123	$34,123	$34,123	$34,123	$34,123	$34,123	$34,123	$34,123	$34,123	$34,123	$409,480
(45)	TETCO delivery for GSS-TE	EDA-2	$3,538	$3,538	$3,538	$3,538	$3,538	$3,538	$3,538	$3,538	$3,538	$3,538	$3,538	$3,538	$42,455
(46)	TETCO delivery for GSS-TE	EDA-2	$34,396	$34,396	$34,396	$34,396	$34,396	$34,396	$34,396	$34,396	$34,396	$34,396	$34,396	$34,396	$412,746
(47)	TETCO delivery for GSS Conv	EDA-2	$10,674	$10,674	$10,674	$10,674	$10,674	$10,674	$10,674	$10,674	$10,674	$10,674	$10,674	$10,674	$128,087
(48)	Dominion delivery for GSS Conv	EDA-2	$8,664	$8,664	$8,664	$8,664	$8,664	$8,664	$8,664	$8,664	$8,664	$8,664	$8,664	$8,664	$103,973
(49)	Dominion delivery for GSS	EDA-2	$22,382	$22,382	$22,382	$22,382	$22,382	$22,382	$22,382	$22,382	$22,382	$22,382	$22,382	$22,382	$268,585
(50)	Algonquin delivery for FSS	EDA-2	$16,342	$16,342	$16,342	$16,342	$16,342	$16,342	$16,342	$16,342	$16,342	$16,342	$16,342	$16,342	$196,107
(51)	Columbia Delivery for FSS	EDA-2	$14,145	$14,145	$14,145	$14,145	$14,145	$14,145	$14,145	$14,145	$14,145	$14,145	$14,145	$14,145	$169,741
(52)	Distrigas FLS call payment	EDA-2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(53)	Hess Peaking Supply at Salem	EDA-2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(54)	Hess Peaking Supply at Dracut	EDA-2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(55)	Repsol Peaking Supply at Dracut	EDA-2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(56)	Less Credits from Mkter Releases	EDA-2													
(57)	**STORAGE DELIVERY FIXED COST**	sum[(35):(56)]	$435,601	$790,601	$790,601	$779,351	$790,601	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$11,035,965
(58)	**TOTAL STORAGE FIXED**	(34) + (57)	$835,107	$1,190,107	$1,190,107	$1,178,857	$1,190,107	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$15,830,032
(59)	**TOTAL FIXED COSTS**	(20) + (58)	$3,256,674	$3,612,331	$3,610,980	$3,597,759	$3,610,980	$3,883,894	$3,884,551	$3,883,894	$3,884,551	$3,884,551	$3,883,894	$3,884,551	$44,878,613

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Gas Cost Estimate

Line No.	Description (a)	Reference (b)	Nov-13 (c)	Dec-13 (d)	Jan-14 (e)	Feb-14 (f)	Mar-14 (g)	Apr-14 (h)	May-14 (i)	Jun-14 (j)	Jul-14 (k)	Aug-14 (l)	Sep-14 (m)	Oct-14 (n)	Nov-Oct (o)
	VARIABLE SUPPLY COSTS (Includes Injections)														
(60)	Tennessee Zone 0	EDA-2	$0	$612,028	$801,049	$562,957	$342,206	$76,961	$0	$0	$0	$0	$0	$0	$2,395,200
(61)	Tennessee Zone 1	EDA-2	$0	$1,258,533	$1,666,106	$1,172,554	$710,613	$159,133	$0	$0	$0	$0	$0	$0	$4,966,939
(62)	Tennessee Connexion	EDA-2	$1,340,742	$1,446,427	$1,475,794	$1,330,255	$1,461,863	$1,383,372	$1,327,776	$1,153,664	$1,446,064	$777,252	$800,281	$1,473,535	$15,417,025
(63)	Tennessee Dracut	EDA-2	$0	[redacted]	[redacted]	[redacted]	[redacted]	$593,640	$540,887	$360,100	$0	$0	$0	$106,935	$7,001,562
(64)	TETCO STX	EDA-2	$0	$568,553	$569,162	$514,316	$0	$298,598	$164,797	$11,236	$11,732	$273,434	$52,733	$11,758	$2,476,318
(65)	TETCO ELA	EDA-2	$0	$1,281,302	$1,286,419	$1,158,668	$0	$671,811	$371,055	$25,322	$26,314	$614,529	$119,079	$26,545	$5,581,044
(66)	TETCO WLA	EDA-2	$0	$892,251	$883,661	$796,317	$0	$463,734	$255,016	$17,109	$17,971	$428,661	$82,144	$18,352	$3,855,217
(67)	TETCO ETX	EDA-2	$0	$382,770	$381,903	$342,504	$0	$199,259	$108,468	$7,485	$7,883	$181,630	$34,966	$7,921	$1,654,789
(68)	TETCO NF	EDA-2	$0	$71,763	$71,866	$64,752	$0	$37,770	$20,850	$1,421	$1,475	$34,415	$6,667	$1,486	$312,465
(69)	M3 Delivered	EDA-2	$5,680,449	$3,006,240	$2,368,690	$1,381,509	$7,104,139	$6,109,377	$3,893,514	$1,981,383	$1,174,131	$1,202,556	$1,668,255	$3,573,273	$39,143,517
(70)	Maumee	EDA-2	$56,895	$3,479,995	$3,546,955	$3,201,290	$3,501,482	$144,426	$0	$159,320	$582,935	$427,426	$0	$55,987	$15,156,711
(71)	Broadrun Col	EDA-2	$0	$1,200,742	$1,223,663	$1,104,762	$1,207,837	$114,831	$0	$0	$0	$14,169	$0	$0	$4,866,003
(72)	Columbia Eagle and Downingtown	EDA-2	$0	$0	$742,338	$24,043	$182,248	$422,941	$188,919	$0	$0	$0	$103,180	$0	$1,663,669
(73)	Transco Zone 2	EDA-2	$0	$16,966	$17,360	$15,620	$0	$0	$0	$0	$0	$0	$0	$0	$49,946
(74)	Dominion to TETCO FTS	EDA-2	$0	$43,831	$43,895	$39,549	$0	$23,068	$12,734	$868	$901	$21,020	$4,072	$908	$190,845
(75)	Transco Zone 3	EDA-2	$0	$361	$368	$332	$0	$0	$0	$0	$0	$0	$0	$0	$1,061
(76)	ANE to Tennessee	EDA-2	$131,310	$137,298	$138,334	$125,734	$139,913	$0	$0	$0	$0	$0	$0	$0	$672,589
(77)	Niagara to Tennessee	EDA-2	$64,434	$139,962	$140,464	$127,852	$142,003	$132,950	$8,746	$0	$0	$0	$0	$75,400	$831,811
(78)	TETCO to B & W	EDA-2	$0	$164,824	$165,020	$148,689	$0	$86,630	$47,819	$3,258	$3,382	$78,906	$15,285	$3,408	$717,220
(79)	DistriGas FCS	EDA-2													$0
(80)	Hubline	EDA-2	$0	$783,522	$1,002,098	$829,212	$0	$0	$0	$0	$0	$0	$0	$0	$2,614,831
(81)	Total Pipeline Commodity Charges	sum[(60):(80)]	$7,273,828	[redacted]	[redacted]	[redacted]	[redacted]	$10,918,501	$6,940,581	$3,721,165	$3,272,788	$4,053,999	$2,886,662	$5,355,508	$109,568,764
(82)	Hedging	EDA-2	$868,208	$1,011,138	$559,853	$280,403	$136,263	($123,771)	($42,440)	($81,827)	$8,432	$3,572	($2,387)	$78,281	$2,695,725
(83)	Costs of Injections	EDA-2	$0	$0	$0	$0	$0	($2,443,089)	($1,784,355)	($833,911)	($875,259)	($1,549,847)	($389,894)	($603,887)	($8,480,243)
(84)	Refunds														$0
(85)	**TOTAL VARIABLE SUPPLY COSTS**	sum[(81):(84)]	$8,142,036	[redacted]	[redacted]	[redacted]	[redacted]	$8,351,641	$5,113,785	$2,805,427	$2,405,961	$2,507,724	$2,494,380	$4,829,902	$103,784,247
(86)	Underground Storage	EDA-2	$0	$331,837	$4,405,354	$3,880,653	$633,428	$0	$0	$0	$0	$0	$0	$0	$9,251,272
(87)	LNG Withdrawals and Trucking	EDA-2	$107,113	$111,101	$1,228,951	$100,276	$111,101	$107,113	$111,101	$104,824	$108,727	$108,727	$104,824	$107,531	$2,411,391
(88)	Storage Delivery Costs	EDA-2	$0	$13,373	$191,095	$169,123	$26,405	$0	$0	$0	$0	$0	$0	$0	$399,996
(89)	**TOTAL VARIABLE STORAGE COSTS**	sum[(86):(88)]	$107,113	$456,311	$5,825,399	$4,150,052	$770,935	$107,113	$111,101	$104,824	$108,727	$108,727	$104,824	$107,531	$12,062,659
(90)	**TOTAL VARIABLE COSTS**	(85) + (89)	$8,249,149	[redacted]	[redacted]	[redacted]	[redacted]	$8,458,754	$5,224,887	$2,910,252	$2,514,688	$2,616,451	$2,599,204	$4,937,433	$115,846,905
(91)	**TOTAL SUPPLY COSTS**	(59) + (90)	$11,505,824	[redacted]	[redacted]	[redacted]	[redacted]	$12,342,649	$9,109,438	$6,794,146	$6,399,239	$6,501,003	$6,483,099	$8,821,984	$160,725,518
	Storage Costs for FT-2 Calculation														
(92)	**Storage Fixed Costs - Facilities**	(34)	$399,506	$399,506	$399,506	$399,506	$399,506	$399,506	$399,506	$399,506	$399,506	$399,506	$399,506	$399,506	$4,794,067
(93)	**Storage Fixed Costs - Deliveries**	(57)	$435,601	$790,601	$790,601	$779,351	$790,601	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$1,064,173	$11,035,965
(94)	**Total Storage Costs**	sum[(92):(93)]	$835,107	$1,190,107	$1,190,107	$1,178,857	$1,190,107	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$15,830,032

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
GCR Deferred Balances

Line No.	Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-Oct
		actual	actual	actual	actual	actual	actual	actual	actual	actual	Fcst	Fcst	Fcst	
(1)	# of Days in Month	30	31	31	28	31	30	31	30	31	31	30	31	365
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(2)	I. Fixed Cost Deferred													
(3)	Beginning Balance	$9,653,010	$9,225,100	$6,523,415	$988,203	($4,496,567)	($9,366,432)	($12,083,333)	($12,098,295)	($10,643,044)	($8,946,896)	($7,857,964)	($5,927,069)	$9,653,010
(4)	Adjustment- Tennessee Refund Reallocation	($1,141,713)												
(5)	Supply Fixed Costs (net of cap rel)	$3,481,283	$3,170,537	$3,427,815	$3,519,974	$3,464,261	$3,473,570	$3,302,783	$3,457,201	$3,448,816	$3,589,302	$3,588,659	$3,589,302	$41,513,503
(6)	LNG Demand to DAC	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($1,488,790)
(7)	Supply Related LNG O & M	$51,549	$51,549	$51,549	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$586,334
(8)	NGPMP Credits	($383,333)	($383,333)	($1,778,347)	($383,333)	($1,040,996)	($383,333)	($383,333)	($383,333)	($383,333)	($383,333)	($383,333)	($383,333)	($6,652,676)
(9)	Working Capital	$22,600	$20,540	$22,245	$20,417	$19,518	$19,858	$18,845	$19,761	$19,711	$20,544	$20,540	$20,544	$245,121
(10)	Total Supply Fixed Costs	$1,906,321	$2,735,227	$1,599,197	$3,080,957	$2,366,682	$3,033,993	$2,862,194	$3,017,528	$3,009,093	$3,150,412	$3,149,765	$3,150,412	$33,061,779
(11)	Supply Fixed - Revenue	$1,969,654	$5,445,267	$7,138,394	$8,564,047	$7,229,192	$5,739,881	$2,864,327	$1,550,600	$1,302,552	$2,052,564	$1,211,791	$1,463,314	$46,531,583
(12)	Prelim. Ending Balance	$9,589,677	$6,515,060	$984,218	($4,494,886)	($9,359,077)	($12,072,320)	($12,085,466)	($10,631,367)	($8,936,503)	($7,849,049)	($5,919,991)	($4,239,972)	($3,816,794)
(13)	Month's Average Balance	$9,621,343	$7,870,080	$3,753,816	($1,753,342)	($6,927,822)	($10,719,376)	($12,084,400)	($11,364,831)	($9,789,773)	($8,397,973)	($6,888,978)	($5,083,520)	
(14)	Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
(15)	Interest Applied	$9,885	$8,355	$3,985	($1,681)	($7,355)	($11,013)	($12,829)	($11,676)	($10,393)	($8,916)	($7,078)	($5,397)	($54,113)
(16)	Marketer Reconcilation	($374,462)												($374,462)
(17)	Fixed Ending Balance	$9,225,100	$6,523,415	$988,203	($4,496,567)	($9,366,432)	($12,083,333)	($12,098,295)	($10,643,044)	($8,946,896)	($7,857,964)	($5,927,069)	($4,245,368)	($4,245,368)
(18)	II. Variable Cost Deferred													
(19)	Beginning Balance	($9,801,393)	($11,805)	$5,871,912	$15,388,373	$21,124,084	$22,072,500	$17,209,139	$15,053,460	$15,222,414	$15,836,644	$13,877,495	$14,207,958	($9,801,393)
(20)	Adjustment- Tennessee Refund Reallocation	$1,141,713												
(21)	Variable Supply Costs	$16,520,419	$19,511,989	$28,143,528	$26,828,501	$18,984,291	$9,316,359	$4,547,178	$3,611,984	$3,593,778	$2,880,592	$2,947,703	$5,147,692	$142,034,014
(22)	Supply Related LNG to DAC	($55,845)	($458)	($534,407)	($165,050)	($31,563)	$0	$0	$0	$0	$0	$0	$0	($787,323)
(23)	Supply Related LNG O & M	$35,844	$35,844	$35,844	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$537,053
(24)	Inventory Financing - LNG	$34,208	$34,176	$22,928	$19,960	$20,542	$27,913	$35,946	$37,377	$36,346	$42,026	$44,316	$44,457	$400,194
(25)	Inventory Financing - UG	$184,635	$166,868	$133,183	$103,888	$101,921	$104,055	$128,247	$135,700	$136,667	$144,495	$145,852	$145,424	$1,630,934
(26)	Working Capital	$109,396	$129,597	$183,284	$158,357	$112,078	$55,232	$26,958	$21,414	$21,306	$17,078	$17,475	$30,518	$882,694
(27)	Total Supply Variable Costs	$17,970,370	$19,878,017	$27,984,360	$26,993,380	$19,234,994	$9,551,283	$4,786,053	$3,854,199	$3,835,821	$3,131,914	$3,203,071	$5,415,816	$145,839,278
(28)	Supply Variable - Revenue	$8,175,744	$13,997,409	$18,479,178	$21,275,167	$18,309,495	$14,434,813	$6,958,849	$3,700,789	$3,238,070	$5,106,827	$2,887,029	$3,535,116	$120,098,485
(29)	Prelim. Ending Balance	($6,766)	$5,868,803	$15,377,094	$21,106,586	$22,049,582	$17,188,971	$15,036,343	$15,206,870	$15,820,166	$13,861,731	$14,193,538	$16,088,657	$15,939,400
(30)	Month's Average Balance	($4,904,080)	$2,928,499	$10,624,503	$18,247,480	$21,586,833	$19,630,735	$16,122,741	$15,130,165	$15,521,290	$14,849,187	$14,035,517	$15,148,307	
(31)	Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
(32)	Interest Applied	($5,038)	$3,109	$11,279	$17,498	$22,918	$20,169	$17,117	$15,545	$16,478	$15,765	$14,420	$16,082	$165,340
(33)	Gas Procurement Incentive/(penalty)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
(34)	Variable Ending Balance	($11,805)	$5,871,912	$15,388,373	$21,124,084	$22,072,500	$17,209,139	$15,053,460	$15,222,414	$15,836,644	$13,877,495	$14,207,958	$16,104,739	$16,104,739
(35)	**GCR Deferred Summary**													
(36)	Beginning Balance	($148,383)	$9,213,295	$12,395,327	$16,376,576	$16,627,517	$12,706,068	$5,125,806	$2,955,164	$4,579,371	$6,889,748	$6,019,531	$8,280,889	($148,383)
(37)	Gas Costs	$19,534,723	$22,645,396	$31,000,264	$30,155,049	$22,388,613	$12,761,552	$7,821,584	$7,040,809	$7,014,218	$6,441,517	$6,507,986	$8,708,618	$182,020,329
(38)	Inventory Finance	$218,843	$201,044	$156,111	$123,848	$122,463	$131,968	$164,192	$173,077	$173,012	$186,520	$190,168	$189,881	$2,031,128
(39)	Working Capital	$131,996	$150,137	$205,529	$178,774	$131,597	$75,090	$45,803	$41,174	$41,017	$37,621	$38,015	$51,062	$1,127,815
(40)	NGPMP Credits	($383,333)	($383,333)	($1,778,347)	($383,333)	($1,040,996)	($383,333)	($383,333)	($383,333)	($383,333)	($383,333)	($383,333)	($383,333)	($6,652,676)
(41)	Total Costs	$19,502,229	$22,613,244	$29,583,557	$30,074,338	$21,601,676	$12,585,277	$7,648,246	$6,871,727	$6,844,914	$6,282,326	$6,352,836	$8,566,227	$178,526,595
(42)	Revenue	$10,145,397	$19,442,676	$25,617,572	$29,839,214	$25,538,687	$20,174,694	$9,823,176	$5,251,389	$4,540,622	$7,159,391	$4,098,820	$4,998,430	$166,630,068
(43)	Prelim. Ending Balance	$9,208,449	$12,383,863	$16,361,312	$16,611,700	$12,690,505	$5,116,651	$2,950,877	$4,575,502	$6,883,663	$6,012,682	$8,273,546	$11,848,686	
(44)	Month's Average Balance	$4,530,033	$10,798,579	$14,378,319	$16,494,138	$14,659,011	$8,911,359	$4,038,341	$3,765,333	$5,731,517	$6,451,215	$7,146,539	$10,064,787	
(45)	Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
(46)	Interest Applied	$4,847	$11,464	$15,265	$15,816	$15,563	$9,156	$4,287	$3,868	$6,085	$6,849	$7,342	$10,685	$111,227
(47)	Gas Purchase Plan Incentives/(Penalties)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(48)														
(49)	**Ending Bal. W/ Interest**	**$9,213,295**	**$12,395,327**	**$16,376,576**	**$16,627,517**	**$12,706,068**	**$5,125,806**	**$2,955,164**	**$4,579,371**	**$6,889,748**	**$6,019,531**	**$8,280,889**	$\boxed{\$11,859,371}$	$11,859,371

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
GCR - Gas Cost Revenue

Line No.	Description (a)	Reference (b)	Nov-13 fcst (c)	Dec-13 fcst (d)	Jan-14 fcst (e)	Feb-14 fcst (f)	Mar-14 fcst (g)	Apr-14 fcst (h)	May-14 fcst (i)	Jun-14 fcst (j)	Jul-14 fcst (k)	Aug-14 fcst (l)	Sep-14 fcst (m)	Oct-14 fcst (n)	Total Nov-Oct (o)
(1)	**I. Fixed Cost Revenue --**														
(2)	(a) Low Load dth	AEL-1 pg 11, sum[Line (2)-(5), (7)]	1,418,075	2,758,290	4,396,501	4,355,280	3,931,818	2,754,413	1,736,273	913,242	593,740	540,693	607,899	712,167	24,718,392
(3)	Fixed Cost Factor	AEL-1 pg 1, (e)1	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	$1.2235	
(4)	Low Load Revenue	(2) * (3)	$1,735,015	$3,374,768	$5,379,119	$5,328,686	$4,810,579	$3,370,024	$2,124,330	$1,117,351	$726,441	$661,538	$743,764	$871,336	$30,242,951
(5)	(b) High Load dth	AEL-1 pg 11, sum[Line (1), (6), (8)]	87,874	137,873	180,931	183,806	154,146	121,689	103,050	82,002	58,819	59,053	66,328	66,029	1,301,599
(6)	Fixed Cost Factor	AEL-1 pg 1, (d)1	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	$0.9860	
(7)	High Load Revenue	(5) * (6)	$86,644	$135,943	$178,398	$181,233	$151,988	$119,985	$101,607	$80,854	$57,996	$58,226	$65,399	$65,105	$1,283,378
(8)	sub-total Dth	(2) + (5)	1,505,949	2,896,163	4,577,432	4,539,086	4,085,964	2,876,102	1,839,323	995,244	652,559	599,747	674,227	778,196	26,019,992
(9)	FT-2 Storage Revenue from marketers	[AEL-5 pg 3, Line (5)] / 12	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$128,502	$1,542,023
(10)	**TOTAL Fixed Revenue**	(4) + (7) + (9)	**$1,950,161**	**$3,639,213**	**$5,686,019**	**$5,638,421**	**$5,091,069**	**$3,618,511**	**$2,354,439**	**$1,326,707**	**$912,939**	**$848,266**	**$937,665**	**$1,064,943**	**$33,068,352**
(11)	**II. Variable Cost Revenue --**														
(12)	(a) Firm Sales dth	(8)	1,505,949	2,896,163	4,577,432	4,539,086	4,085,964	2,876,102	1,839,323	995,244	652,559	599,747	674,227	778,196	26,019,992
(13)	Variable Cost Factor	AEL-1 pg 1, Line (2)	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	$5.1921	
(14)	Variable Revenue	(12) * (13)	$7,819,036	$15,037,170	$23,766,485	$23,567,390	$21,214,732	$14,933,008	$9,549,951	$5,167,407	$3,388,154	$3,113,945	$3,500,652	$4,040,471	$135,098,401
(15)	**TOTAL Variable Revenue**	(14)	**$7,819,036**	**$15,037,170**	**$23,766,485**	**$23,567,390**	**$21,214,732**	**$14,933,008**	**$9,549,951**	**$5,167,407**	**$3,388,154**	**$3,113,945**	**$3,500,652**	**$4,040,471**	**$135,098,401**
(16)	**Total Gas Cost Revenue**	(10) + (15)	**$9,769,197**	**$18,676,383**	**$29,452,504**	**$29,205,811**	**$26,305,801**	**$18,551,519**	**$11,904,390**	**$6,494,114**	**$4,301,093**	**$3,962,211**	**$4,438,317**	**$5,105,414**	**$168,166,753**

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Working Capital Estimate

Line No.	Description (a)	Source (b)	Nov-13 (c)	Dec-13 (d)	Jan-14 (e)	Feb-14 (f)	Mar-14 (g)	Apr-14 (h)	May-14 (i)	Jun-14 (j)	Jul-14 (k)	Aug-14 (l)	Sep-14 (m)	Oct-14 (n)	Total (o)
(1)	**Fixed Costs**	AEL-3, Line (4)	$3,256,674	$3,612,331	$3,610,980	$3,597,759	$3,610,980	$3,883,894	$3,884,551	$3,883,894	$3,884,551	$3,884,551	$3,883,894	$3,884,551	$44,878,613
(2)	Capacity Release Revenue		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(3)	Less: LNG Demand to DAC	Dkt 4339	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($1,488,790)
(4)	Less: Credits		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(5)	Plus: Supply Related LNG O&M Costs	Dkt 4323													$0
(6)	Allowable Working Capital Costs	sum[(1):(5)]	$3,132,608	$3,488,265	$3,486,914	$3,473,694	$3,486,914	$3,759,829	$3,760,485	$3,759,829	$3,760,485	$3,760,485	$3,759,829	$3,760,485	$43,389,823
(7)	Number of Days Lag	Dkt 4323	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	
(8)	Working Capital Requirement	[(6) * (7)] / 365	$184,609	$205,569	$205,489	$204,710	$205,489	$221,572	$221,611	$221,572	$221,611	$221,611	$221,572	$221,611	
(9)	Cost of Capital	Dkt 4323	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	
(10)	Return on Working Capital Requirement	(8) * (9)	$13,920	$15,500	$15,494	$15,435	$15,494	$16,707	$16,709	$16,707	$16,709	$16,709	$16,707	$16,709	
(11)	Weighted Cost of Debt	Dkt 4323	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	
(12)	Interest Expense	(8) * (11)	$5,280	$5,879	$5,877	$5,855	$5,877	$6,337	$6,338	$6,337	$6,338	$6,338	$6,337	$6,338	
(13)	Taxable Income	(10) - (12)	$8,640	$9,621	$9,617	$9,580	$9,617	$10,370	$10,371	$10,370	$10,371	$10,371	$10,370	$10,371	
(14)	1 - Combined Tax Rate	Dkt 4323	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	
(15)	Return and Tax Requirement	(13) / (14)	$13,292	$14,801	$14,795	$14,739	$14,795	$15,953	$15,956	$15,953	$15,956	$15,956	$15,953	$15,956	
(16)	**Fixed Working Capital Requirement**	(12) + (15)	$18,572	$20,680	$20,672	$20,594	$20,672	$22,290	$22,294	$22,290	$22,294	$22,294	$22,290	$22,294	$257,237
(17)	**Variable Costs**	AEL-3, Line (19)	$8,249,149	$18,664,818	$25,322,396	$18,163,370	$16,185,502	$8,458,754	$5,224,887	$2,910,252	$2,514,688	$2,616,451	$2,599,204	$4,937,433	$115,846,905
(18)	Less: Non-firm Sales														$0
(19)	Less: Supply Refunds														$0
(20)	Less: Balancing Related LNG Commodity to DAC	Dkt 4339	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(21)	Plus: Supply Related LNG O&M Costs	Dkt 4323													$0
(22)	Allowable Working Capital Costs	sum[(17):(21)]	$8,249,149	$18,664,818	$25,322,396	$18,163,370	$16,185,502	$8,458,754	$5,224,887	$2,910,252	$2,514,688	$2,616,451	$2,599,204	$4,937,433	$115,846,905
(23)	Number of Days Lag	Dkt 4323	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	
(24)	Working Capital Requirement	[(22) * (23)] / 365	$486,135	$1,099,946	$1,492,287	$1,070,395	$953,836	$498,487	$307,910	$171,506	$148,194	$154,191	$153,175	$290,970	
(25)	Cost of Capital	Dkt 4323	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	
(26)	Return on Working Capital Requirement	(24) * (25)	$36,655	$82,936	$112,518	$80,708	$71,919	$37,586	$23,216	$12,932	$11,174	$11,626	$11,549	$21,939	
(27)	Weighted Cost of Debt	Dkt 4323	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	
(28)	Interest Expense	(24) * (27)	$13,903	$31,458	$42,679	$30,613	$27,280	$14,257	$8,806	$4,905	$4,238	$4,410	$4,381	$8,322	
(29)	Taxable Income	(26) - (28)	$22,751	$51,477	$69,839	$50,094	$44,640	$23,329	$14,410	$8,026	$6,935	$7,216	$7,169	$13,617	
(30)	1 - Combined Tax Rate	Dkt 4323	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	
(31)	Return and Tax Requirement	(29) / (30)	$35,002	$79,196	$107,445	$77,068	$68,676	$35,891	$22,170	$12,348	$10,670	$11,102	$11,029	$20,950	
(32)	**Variable Working Capital Requirement**	(28) + (31)	$48,905	$110,655	$150,124	$107,682	$95,956	$50,148	$30,976	$17,253	$14,908	$15,512	$15,409	$29,272	$686,799

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing

Storage Fixed Cost Working Capital Calculation for FT-2 Demand Rate (see AEL-5 pg 2)

Line No.	Description	Source	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
(33)	**Storage Fixed Costs**	AEL-1 pg 4, Line (58)	$835,107	$1,190,107	$1,190,107	$1,178,857	$1,190,107	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$1,463,678	$15,830,032
(34)	Less: LNG Demand to DAC	Dkt 4339	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($1,488,790)
(35)	Less: Credits		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(36)	Plus: Supply Related LNG O&M Costs	Dkt 4323													$0
(37)	Allowable Working Capital Costs	sum[(33):(36)]	$711,041	$1,066,041	$1,066,041	$1,054,791	$1,066,041	$1,339,612	$1,339,612	$1,339,612	$1,339,612	$1,339,612	$1,339,612	$1,339,612	$14,341,243
(38)	Number of Days Lag	Dkt 4323	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	
(39)	Working Capital Requirement	[(37) * (38)] / 365	$41,903	$62,823	$62,823	$62,160	$62,823	$78,945	$78,945	$78,945	$78,945	$78,945	$78,945	$78,945	
(40)	Cost of Capital	Dkt 4323	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	
(41)	Return on Working Capital Requirement	(39) * (40)	$3,159	$4,737	$4,737	$4,687	$4,737	$5,952	$5,952	$5,952	$5,952	$5,952	$5,952	$5,952	
(42)	Weighted Cost of Debt	Dkt 4323	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	
(43)	Interest Expense	(39) * (42)	$1,198	$1,797	$1,797	$1,778	$1,797	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	$2,258	
(44)	Taxable Income	(41) - (43)	$1,961	$2,940	$2,940	$2,909	$2,940	$3,695	$3,695	$3,695	$3,695	$3,695	$3,695	$3,695	
(45)	1 - Combined Tax Rate	Dkt 4323	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	
(46)	Return and Tax Requirement	(44) / (45)	$3,017	$4,523	$4,523	$4,476	$4,523	$5,684	$5,684	$5,684	$5,684	$5,684	$5,684	$5,684	
(47)	**Storage Fixed Working Capital Requirement**	(43) + (46)	$4,215	$6,320	$6,320	$6,253	$6,320	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$85,022

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Inventory Finance Estimate

Line No.	Description (a)	Source (b)	Nov-13 (c)	Dec-13 (d)	Jan-14 (e)	Feb-14 (f)	Mar-14 (g)	Apr-14 (h)	May-14 (i)	Jun-14 (j)	Jul-14 (k)	Aug-14 (l)	Sep-14 (m)	Oct-14 (n)	Total (o)
(1)	**Storage Inventory Balance**	EDA-2 pg 15	$18,117,591	$17,807,638	$13,668,212	$10,021,728	$9,432,858	$11,918,109	$13,723,792	$14,581,322	$15,459,233	$17,016,140	$17,408,579	$18,007,163	
(2)	Hedging														
(3)	Subtotal	(1) + (2)	$18,117,591	$17,807,638	$13,668,212	$10,021,728	$9,432,858	$11,918,109	$13,723,792	$14,581,322	$15,459,233	$17,016,140	$17,408,579	$18,007,163	
(4)	Cost of Capital	Dkt 4323	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	
(5)	Return on Working Capital Requirement	(3) * (4)	$1,366,066	$1,342,696	$1,030,583	$755,638	$711,237	$898,625	$1,034,774	$1,099,432	$1,165,626	$1,283,017	$1,312,607	$1,357,740	$13,358,042
(6)	Weighted Cost of Debt	Dkt 4323	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	
(7)	Interest Charges Financed	(3) * (6)	$518,163	$509,298	$390,911	$286,621	$269,780	$340,858	$392,500	$417,026	$442,134	$486,662	$497,885	$515,005	$5,066,844
(8)	Taxable Income	(5) - (7)	$847,903	$833,397	$639,672	$469,017	$441,458	$557,767	$642,273	$682,406	$723,492	$796,355	$814,721	$842,735	
(9)	1 - Combined Tax Rate	Dkt 4323	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	
(10)	Return and Tax Requirement	(8) / (9)	$1,304,467	$1,282,150	$984,111	$721,564	$679,166	$858,104	$988,113	$1,049,855	$1,113,065	$1,225,162	$1,253,418	$1,296,516	$12,755,690
(11)	Working Capital Requirement	(7) + (10)	$1,822,630	$1,791,448	$1,375,022	$1,008,186	$948,945	$1,198,962	$1,380,613	$1,466,881	$1,555,199	$1,711,824	$1,751,303	$1,811,521	$17,822,534
(12)	Storage-Related Inventory Costs	(11) / 12	$151,886	$149,287	$114,585	$84,015	$79,079	$99,913	$115,051	$122,240	$129,600	$142,652	$145,942	$150,960	$1,485,211
(13)	**LNG Inventory Balance**	EDA-2 pg 17	$4,952,267	$4,841,166	$3,612,215	$3,511,939	$3,400,838	$3,293,725	$3,978,859	$3,874,034	$3,765,307	$3,656,580	$4,339,856	$4,869,046	
(14)	Cost of Capital	Dkt 4323	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	7.54%	
(15)	Return on Working Capital Requirement	(13) * (14)	$373,401	$365,024	$272,361	$264,800	$256,423	$248,347	$300,006	$292,102	$283,904	$275,706	$327,225	$367,126	$3,626,426
(16)	Weighted Cost of Debt	Dkt 4323	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	
(17)	Interest Charges Financed	(13) * (16)	$141,635	$138,457	$103,309	$100,441	$97,264	$94,201	$113,795	$110,797	$107,688	$104,578	$124,120	$139,255	$1,375,541
(18)	Taxable Income	(15) - (17)	$231,766	$226,567	$169,052	$164,359	$159,159	$154,146	$186,211	$181,305	$176,216	$171,128	$203,105	$227,871	
(19)	1 - Combined Tax Rate	Dkt 4323	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	0.6500	
(20)	Return and Tax Requirement	(18) / (19)	$356,563	$348,564	$260,079	$252,860	$244,860	$237,148	$286,478	$278,930	$271,102	$263,274	$312,470	$350,571	$3,462,900
(21)	Working Capital Requirement	(17) + (20)	$498,198	$487,021	$363,389	$353,301	$342,124	$331,349	$400,273	$389,728	$378,790	$367,852	$436,589	$489,826	$4,838,441
(22)	LNG-Related Inventory Costs	(21) / 12	$41,517	$40,585	$30,282	$29,442	$28,510	$27,612	$33,356	$32,477	$31,566	$30,654	$36,382	$40,819	$403,203
(23)	Total Inventory Financing Costs	(12) + (22)	$193,402	$189,872	$144,868	$113,457	$107,589	$127,526	$148,407	$154,717	$161,166	$173,306	$182,324	$191,779	$1,888,415

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Forecasted Throughput (Dth)

Line No.	Rate Class (a)	Nov-13 (b)	Dec-13 (c)	Jan-14 (d)	Feb-14 (e)	Mar-14 (f)	Apr-14 (g)	May-14 (h)	Jun-14 (i)	Jul-14 (j)	Aug-14 (k)	Sep-14 (l)	Oct-14 (m)	Nov-Oct (n)
	SALES													
(1)	Residential Non-Heating	48,298	78,202	111,021	119,337	79,602	64,567	56,216	40,932	31,123	28,396	28,939	35,495	722,127
(2)	Residential Heating	1,055,948	2,069,091	3,227,307	3,227,172	2,949,996	2,054,509	1,275,453	688,829	437,527	393,560	433,919	517,838	18,331,149
(3)	Small C&I	124,881	233,848	444,412	414,368	376,672	269,937	159,601	84,920	59,686	56,067	66,038	65,130	2,355,561
(4)	Medium C&I	186,170	370,627	562,298	543,651	458,524	333,691	238,327	114,110	85,700	82,463	96,679	110,387	3,182,627
(5)	Large LLF	42,606	72,572	138,611	120,494	113,482	81,281	51,268	20,793	8,108	6,150	8,860	15,368	679,593
(6)	Large HLF	19,549	27,341	33,329	30,838	40,345	32,335	29,078	24,298	15,985	17,362	22,925	17,302	310,688
(7)	Extra Large LLF	8,471	12,152	23,873	49,595	33,144	14,996	11,624	4,590	2,719	2,454	2,402	3,444	169,463
(8)	Extra Large HLF	20,026	32,330	36,581	33,631	34,199	24,786	17,756	16,773	11,712	13,295	14,464	13,231	268,785
(9)	**Total Sales**	1,505,949	2,896,163	4,577,432	4,539,086	4,085,964	2,876,102	1,839,323	995,244	652,559	599,747	674,227	778,196	26,019,992
	FT-2 TRANSPORTATION													
(10)	FT-2 Small	2,250	1,677	1,644	2,553	592	301	349	0	334	1,686	1,713	2,024	15,122
(11)	FT-2 Medium	99,416	182,756	229,232	249,175	209,203	148,289	104,886	57,962	44,096	39,692	40,531	58,730	1,463,968
(12)	FT-2 Large LLF	71,916	147,025	210,595	203,883	190,357	133,483	83,410	31,997	14,511	11,871	15,623	33,531	1,148,201
(13)	FT-2 Large HLF	27,348	36,880	43,227	43,445	45,947	35,891	30,471	26,027	20,370	18,515	26,819	21,522	376,461
(14)	FT-2 Extra Large LLF	2,178	5,869	5,957	5,318	5,607	3,892	2,519	580	271	165	307	1,080	33,744
(15)	FT-2 Extra Large HLF	15,340	21,701	21,601	21,564	29,303	20,129	19,681	17,236	14,412	15,764	16,308	15,293	228,331
(16)	**Total FT-2 Transportation**	218,449	395,907	512,256	525,938	481,008	341,986	241,317	133,802	93,993	87,693	101,298	132,180	3,265,827
	FT-1 TRANSPORTATION													
(17)	FT-1 Medium	75,961	89,799	104,946	88,940	67,379	47,458	34,458	26,220	23,512	24,654	28,213	43,268	654,810
(18)	FT-1 Large LLF	112,508	175,072	195,903	164,513	147,152	88,741	51,055	20,787	15,816	15,832	22,628	58,022	1,068,028
(19)	FT-1 Large HLF	47,894	51,467	60,893	53,292	43,961	36,491	33,824	32,265	28,372	32,098	32,029	36,828	489,413
(20)	FT-1 Extra Large LLF	156,341	229,787	253,708	218,727	242,805	113,410	57,857	13,905	10,422	10,486	18,510	75,864	1,401,823
(21)	FT-1 Extra Large HLF	488,352	567,299	608,160	525,332	567,501	445,859	408,806	389,972	393,779	394,024	381,336	430,343	5,600,761
(22)	**Total FT-1 Transportation**	881,056	1,113,424	1,223,610	1,050,804	1,068,798	731,959	586,000	483,150	471,900	477,094	482,716	644,325	9,214,835
	Total THROUGHPUT													
(23)	Residential Non-Heating	48,298	78,202	111,021	119,337	79,602	64,567	56,216	40,932	31,123	28,396	28,939	35,495	722,127
(24)	Residential Heating	1,055,948	2,069,091	3,227,307	3,227,172	2,949,996	2,054,509	1,275,453	688,829	437,527	393,560	433,919	517,838	18,331,149
(25)	Small C&I	127,131	235,525	446,056	416,921	377,264	270,238	159,950	84,920	60,020	57,753	67,751	67,154	2,370,683
(26)	Medium C&I	361,547	643,182	896,477	881,766	735,106	529,439	377,672	198,292	153,309	146,809	165,423	212,386	5,301,406
(27)	Large LLF	227,029	394,669	545,109	488,890	450,991	303,505	185,732	73,578	38,435	33,853	47,110	106,920	2,895,821
(28)	Large HLF	94,792	115,687	137,449	127,574	130,253	104,717	93,374	82,589	64,726	67,975	81,772	75,653	1,176,561
(29)	Extra Large LLF	166,990	247,809	283,538	273,641	281,556	132,298	72,001	19,075	13,411	13,105	21,219	80,389	1,605,030
(30)	Extra Large HLF	523,718	621,329	666,342	580,527	631,002	490,774	446,243	423,981	419,902	423,083	412,107	458,867	6,097,877
(31)	**Total Throughput**	2,605,454	4,405,494	6,313,298	6,115,828	5,635,770	3,950,046	2,666,640	1,612,196	1,218,453	1,164,534	1,258,241	1,554,701	38,500,653

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Design Winter Period and Design Day Throughput (Dth)

Line No.	Rate Class (a)	Nov-13 (b)	Dec-13 (c)	Jan-14 (d)	Feb-14 (e)	Mar-14 (f)	Total (g)	% (h)
	SALES (dth)							
(1)	Residential Non-Heating	70,781	110,056	112,404	104,621	94,489	492,351	2.42%
(2)	Residential Heating	1,917,520	3,306,255	3,390,536	3,173,499	2,747,592	14,535,402	71.34%
(3)	Small C&I	245,845	418,267	428,715	400,996	349,014	1,842,836	9.04%
(4)	Medium C&I	329,189	553,915	567,513	530,515	463,778	2,444,910	12.00%
(5)	Large LLF	72,302	131,721	135,348	127,030	107,681	574,081	2.82%
(6)	Large HLF	26,850	35,228	35,704	32,877	32,073	162,733	0.80%
(7)	Extra Large LLF	18,999	34,182	35,107	32,930	28,046	149,264	0.73%
(8)	Extra Large HLF	26,114	38,643	39,384	36,550	33,727	174,418	0.86%
(9)	Total Sales	2,707,601	4,628,266	4,744,712	4,439,018	3,856,399	20,375,996	100.00%
(10)	Low Load Factor	2,583,855	4,444,340	4,557,219	4,264,970	3,696,111	19,546,494	95.93%
(11)	High Load Factor	123,746	183,927	187,493	174,048	160,288	829,502	4.07%

2013/2014 Design Day Sendout

(12)	Pipeline	179,129	Dktherm
(13)	Underground Storage	42,414	Dktherm
(14)	LNG	106,911	Dktherm
(15)	Total Projected 2013/2014 Design Day	328,454	Dktherm

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Summary of Marketer Transportation Factors

Line No.	Item	Reference	Proposed	Billing Units
	(a)	(b)	(c)	(d)
(1)	**FT-2 Demand**	AEL-5 pg 2, Line (20)	**$9.7353**	Dth/Mth
(2)	**Weighted Average Upstream Pipeline Transportation Cost**	EDA - 4	**$0.9383**	Per Dth of capacity

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Calculation of FT- 2 Demand Rate (per Dth)

Line No.	Description	Source Reference	Source Line #	Amount	
	(a)	(b)	(c)	(d)	
(1)	Storage Fixed Costs	AEL-1 pg 4	Line (58)	$15,830,032	
	Less:				
(2)	LNG Demand to DAC	AEL-1 pg 2	Line (5)	($1,488,790)	
(3)	Credits			$0	
(4)	Refunds			$0	
(5)	Total Credits	sum [(2):(4)]		($1,488,790)	
	Plus:				
(6)	Supply Related LNG O&M Costs	Dkt 4323		$575,581	
(7)	Working Capital Requirement	AEL-1 pg 9	Line (47)	$85,022	
(8)	Total Additions	sum [(6):(7)]		$660,603	
(9)	Total Storage Fixed Costs	(1) + (5) + (8)		$15,001,846	
	Inventory Financing				
(10)	Underground	AEL-1 pg 10	Line (12)	$1,485,211	
(11)	LNG	AEL-1 pg 10	Line (22)	$403,203	
(12)	Total Storage Fixed Costs	(9) + (10) + (11)		$16,890,261	
(13)	LNG Storage MDQ (Dth)	AEL-1 pg 12	Line (14)	106,911	
(14)	AGT	EDA-4		31,578	
(15)	TENN	EDA-4		10,836	
(16)	Total Storage MDQ	sum [(13):(15)]		149,325	
(17)	Storage MDQ X 12 Months	(16) *12		1,791,900	MDCQ Dth
(18)	FT- 2 Demand Rate	(12) / (17)		$9.4258	per MDCQ Dth
(19)	Uncollectible %	Docket 4323		3.18%	
(20)	Total FT-2 Demand Rate adjusted for Uncollectibles	(18) / [(1 - (19)]		$9.7353	per MDCQ Dth

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Calculation of FT-2 Demand Costs

Line No.	Description	Source Reference	Source Line #	Amount	
	(a)	(b)	(c)	(d)	
(1)	FT- 2 Demand Rate	AEL-5 pg 2	Line (18)	$9.4258	per MDCQ Dth
(2)	MDQ-U	Mkter MDQ Forecast		3,852	
(3)	MDQ-P	Mkter MDQ Forecast		9,781	
(4)	Marketer MDQs	(2) + (3)		13,633	Dth/Mth
(5)	**FT-2 Storage Costs**	(1) x (4) x 12 Months		**$1,542,023**	

Division 2-9

Request:

Re: Attachment AEL-1, page 10 of 12, please provide the workpapers, data, analyses, studies and other documents upon which the Company relies to derive the projected monthly dollar amounts for:

a. Storage Inventory Balance on line 1,

b. LNG Inventory Balance on line 13.

Response:

a. Please see Attachment EDA-2, page 15 for the derivation of the Storage Inventory Balance. The workpapers have been included in the response to DIV-2-1.

b. Please see Attachment EDA-2, page 17 for the derivation of the LNG Inventory Balance. The workpapers have been included in the response to DIV-2-1.

Division 2-15

Request:

Re: Attachment AEL-4, please provide:

a. Versions of the bill impact analyses that reflect the Company's projected "Average Customer" consumption for each rate class, for the 2013-2014 GCR period,

b. Please provide the high, low and median use per customer for each rate class that the Company actually experienced in each of its last three most recently completed GCR periods.

Response:

a. Please see Attachment DIV-2-15-a for the versions of the bill impact analyses that reflect the Company's projected "Average Customer" consumption for each rate class, for the 2013-2014 GCR period.

b. Please see Attachment DIV-2-15-b for the high, low and median use per customer for each rate class that the Company actually experienced in 2010-2011, 2011-2012, and 2012-2013 (with projected use for September through October 2013) GCR periods.

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Bill Impact Analysis with Various Levels of Consumption:

GCR

Residential Heating:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(1)										
(2)										
(3)										
(4)										
(5)		578	$856	$867	($11)	-1.2%	($6)	($5)	$0	$0
(6)		641	$932	$944	($12)	-1.3%	($6)	($6)	$0	$0
(7)		703	$1,006	$1,019	($13)	-1.3%	($7)	($6)	$0	$0
(8)		765	$1,078	$1,092	($14)	-1.3%	($8)	($7)	$0	$0
(9)		826	$1,146	$1,162	($15)	-1.3%	($8)	($7)	$0	$0
(10)	Average Customer	**889**	**$1,215**	**$1,232**	**($17)**	**-1.3%**	($9)	($8)	$0	$0
(11)		951	$1,285	$1,303	($18)	-1.4%	($9)	($8)	$0	$0
(12)		1,012	$1,353	$1,372	($19)	-1.4%	($10)	($9)	$0	$0
(13)		1,073	$1,420	$1,440	($20)	-1.4%	($11)	($9)	$0	$0
(14)		1,136	$1,489	$1,510	($21)	-1.4%	($11)	($10)	$0	$0
(15)		1,198	$1,555	$1,578	($22)	-1.4%	($12)	($11)	$0	$0

Residential Heating Low Income:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(16)										
(17)										
(18)										
(19)										
(20)		578	$814	$824	($11)	-1.3%	($6)	($5)	$0	$0
(21)		641	$886	$898	($12)	-1.3%	($6)	($6)	$0	$0
(22)		703	$958	$971	($13)	-1.4%	($7)	($6)	$0	$0
(23)		765	$1,027	$1,041	($14)	-1.4%	($8)	($7)	$0	$0
(24)		826	$1,093	$1,109	($15)	-1.4%	($8)	($7)	$0	$0
(25)	Average Customer	**889**	**$1,160**	**$1,177**	**($17)**	**-1.4%**	($9)	($8)	$0	$0
(26)		951	$1,227	$1,245	($18)	-1.4%	($9)	($8)	$0	$0
(27)		1,012	$1,293	$1,312	($19)	-1.4%	($10)	($9)	$0	$0
(28)		1,073	$1,358	$1,378	($20)	-1.5%	($11)	($9)	$0	$0
(29)		1,136	$1,425	$1,446	($21)	-1.5%	($11)	($10)	$0	$0
(30)		1,198	$1,489	$1,512	($22)	-1.5%	($12)	($11)	$0	$0

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Bill Impact Analysis with Various Levels of Consumption:

GCR

Residential Non-Heating:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(35)		180	$361	$365	($4)	-1.1%	$3	($7)	$0	$0
(36)		200	$384	$388	($5)	-1.2%	$3	($7)	$0	$0
(37)		219	$405	$410	($5)	-1.2%	$3	($8)	$0	$0
(38)		236	$425	$430	($5)	-1.2%	$3	($9)	$0	$0
(39)		256	$447	$453	($6)	-1.3%	$4	($9)	$0	$0
(40)	Average Customer	**276**	**$470**	**$476**	**($6)**	**-1.3%**	$4	($10)	$0	$0
(41)		297	$494	$501	($7)	-1.3%	$4	($11)	$0	$0
(42)		314	$513	$520	($7)	-1.4%	$4	($12)	$0	$0
(43)		332	$534	$541	($7)	-1.4%	$5	($12)	$0	$0
(44)		352	$557	$565	($8)	-1.4%	$5	($13)	$0	$0
(45)		372	$579	$588	($8)	-1.4%	$5	($14)	$0	$0

Residential Non-Heating Low Income:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(50)		180	$337	$341	($4)	-1.2%	$3	($7)	$0	$0
(51)		200	$359	$364	($5)	-1.2%	$3	($7)	$0	$0
(52)		219	$380	$385	($5)	-1.3%	$3	($8)	$0	$0
(53)		236	$399	$404	($5)	-1.3%	$3	($9)	$0	$0
(54)		256	$421	$426	($6)	-1.3%	$4	($9)	$0	$0
(55)	Average Customer	**276**	**$442**	**$449**	**($6)**	**-1.4%**	$4	($10)	$0	$0
(56)		297	$465	$472	($7)	-1.4%	$4	($11)	$0	$0
(57)		314	$484	$491	($7)	-1.4%	$4	($12)	$0	$0
(58)		332	$504	$511	($7)	-1.5%	$5	($12)	$0	$0
(59)		352	$526	$534	($8)	-1.5%	$5	($13)	$0	$0
(60)		372	$547	$556	($8)	-1.5%	$5	($14)	$0	$0

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Bill Impact Analysis with Various Levels of Consumption:

GCR

C & I Small:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	Difference due to: DAC Base DAC	Difference due to: DAC ISR	Difference due to: EE
(61)										
(62)										
(63)										
(64)										
(65)		812	$1,289	$1,302	($13)	-1.0%	($8)	($5)	$0	$0
(66)		899	$1,384	$1,398	($14)	-1.0%	($9)	($6)	$0	$0
(67)		987	$1,479	$1,495	($16)	-1.1%	($10)	($6)	$0	$0
(68)		1,076	$1,577	$1,594	($17)	-1.1%	($11)	($7)	$0	$0
(69)		1,162	$1,667	$1,685	($19)	-1.1%	($12)	($7)	$0	$0
(70)	Average Customer	**1,249**	**$1,750**	**$1,770**	**($20)**	**-1.1%**	($12)	($8)	$0	$0
(71)		1,337	$1,844	$1,865	($22)	-1.2%	($13)	($8)	$0	$0
(72)		1,422	$1,928	$1,951	($23)	-1.2%	($14)	($9)	$0	$0
(73)		1,510	$2,015	$2,039	($24)	-1.2%	($15)	($9)	$0	$0
(74)		1,599	$2,103	$2,129	($26)	-1.2%	($16)	($10)	$0	$0
(75)		1,686	$2,189	$2,216	($27)	-1.2%	($17)	($10)	$0	$0

C & I Medium:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	Difference due to: DAC Base DAC	Difference due to: DAC ISR	Difference due to: EE
(76)										
(77)										
(78)										
(79)										
(80)		6,802	$7,838	$7,950	($112)	-1.4%	($67)	($44)	$0	$0
(81)		7,535	$8,592	$8,716	($124)	-1.4%	($75)	($49)	$0	$0
(82)		8,268	$9,347	$9,482	($136)	-1.4%	($82)	($54)	$0	$0
(83)		9,000	$10,100	$10,247	($148)	-1.4%	($89)	($58)	$0	$0
(84)		9,734	$10,855	$11,015	($160)	-1.4%	($96)	($63)	$0	$0
(85)	Average Customer	**10,466**	**$11,714**	**$11,886**	**($172)**	**-1.4%**	($104)	($68)	$0	$0
(86)		11,199	$12,362	$12,546	($184)	-1.5%	($111)	($73)	$0	$0
(87)		11,930	$13,115	$13,310	($196)	-1.5%	($118)	($78)	$0	$0
(88)		12,663	$13,869	$14,076	($208)	-1.5%	($125)	($82)	$0	$0
(89)		13,397	$14,624	$14,843	($220)	-1.5%	($133)	($87)	$0	$0
(90)		14,128	$15,376	$15,608	($232)	-1.5%	($140)	($92)	$0	$0

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Bill Impact Analysis with Various Levels of Consumption:

GCR

C & I LLF Large:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(91)										
(92)										
(93)										
(94)										
(95)		35,458	$37,215	$37,485	($269)	-0.7%	($351)	$82	$0	$0
(96)		39,275	$40,996	$41,294	($299)	-0.7%	($389)	$90	$0	$0
(97)		43,094	$44,777	$45,105	($328)	-0.7%	($427)	$99	$0	$0
(98)		46,914	$48,560	$48,917	($357)	-0.7%	($464)	$108	$0	$0
(99)		50,729	$52,339	$52,725	($386)	-0.7%	($502)	$117	$0	$0
(100)	Average Customer	**54,549**	**$56,122**	**$56,537**	**($415)**	**-0.7%**	($540)	$125	$0	$0
(101)		58,368	$59,904	$60,348	($444)	-0.7%	($578)	$134	$0	$0
(102)		62,188	$63,687	$64,160	($473)	-0.7%	($616)	$143	$0	$0
(103)		66,004	$67,466	$67,968	($502)	-0.7%	($653)	$152	$0	$0
(104)		69,821	$71,247	$71,777	($531)	-0.7%	($691)	$161	$0	$0
(105)		73,641	$75,030	$75,589	($560)	-0.7%	($729)	$169	$0	$0

C & I HLF Large:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(106)										
(107)										
(108)										
(109)										
(110)		34,229	$87,603	$86,980	$623	0.7%	$483	$140	$0	$0
(111)		37,915	$96,810	$96,120	$690	0.7%	$535	$155	$0	$0
(112)		41,602	$106,020	$105,263	$757	0.7%	$587	$171	$0	$0
(113)		45,288	$115,228	$114,403	$824	0.7%	$639	$186	$0	$0
(114)		48,975	$124,438	$123,546	$891	0.7%	$691	$201	$0	$0
(115)	Average Customer	**52,659**	**$133,749**	**$132,790**	**$958**	**0.7%**	$742	$216	$0	$0
(116)		56,346	$142,850	$141,825	$1,026	0.7%	$794	$231	$0	$0
(117)		60,033	$152,060	$150,968	$1,093	0.7%	$846	$246	$0	$0
(118)		63,716	$161,260	$160,100	$1,160	0.7%	$898	$261	$0	$0
(119)		67,404	$170,473	$169,246	$1,227	0.7%	$950	$276	$0	$0
(120)		71,090	$179,680	$178,386	$1,294	0.7%	$1,002	$291	$0	$0

National Grid - RI Gas
Gas Cost Recovery (GCR) Filing
Bill Impact Analysis with Various Levels of Consumption:

GCR

C & I LLF Extra-Large:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(121)										
(122)										
(123)										
(124)										
(125)		183,584	$171,878	$173,420	($1,542)	-0.9%	$483	$275	$0	$0
(126)		203,357	$189,840	$191,548	($1,708)	-0.9%	$535	$305	$0	$0
(127)		223,127	$207,800	$209,675	($1,874)	-0.9%	$587	$335	$0	$0
(128)		242,897	$225,760	$227,801	($2,040)	-0.9%	$639	$364	$0	$0
(129)		262,667	$243,721	$245,927	($2,206)	-0.9%	$691	$394	$0	$0
(130)	Average Customer	**282,439**	**$240,409**	**$242,781**	**($2,372)**	**-1.0%**	$742	$424	$0	$0
(131)		302,211	$279,645	$282,183	($2,539)	-0.9%	$794	$453	$0	$0
(132)		321,982	$297,605	$300,310	($2,705)	-0.9%	$846	$483	$0	$0
(133)		341,751	$315,565	$318,436	($2,871)	-0.9%	$898	$513	$0	$0
(134)		361,522	$333,526	$336,563	($3,037)	-0.9%	$950	$542	$0	$0
(135)		381,292	$351,486	$354,689	($3,203)	-0.9%	$1,002	$572	$0	$0

C & I HLF Extra-Large:

Line No.		Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to: GCR	DAC: Base DAC	DAC: ISR	EE
(136)										
(137)										
(138)										
(139)										
(140)		291,182	$241,372	$236,451	$4,921	2.1%	$4,106	$815	$0	$0
(141)		322,543	$266,819	$261,368	$5,451	2.1%	$4,548	$903	$0	$0
(142)		353,899	$292,262	$286,281	$5,981	2.1%	$4,990	$991	$0	$0
(143)		385,259	$317,708	$311,197	$6,511	2.1%	$5,432	$1,079	$0	$0
(144)		416,618	$343,154	$336,113	$7,041	2.1%	$5,874	$1,167	$0	$0
(145)	Average Customer	**447,975**	**$377,488**	**$369,917**	**$7,571**	**2.0%**	$6,316	$1,254	$0	$0
(146)		479,332	$394,042	$385,941	$8,101	2.1%	$6,759	$1,342	$0	$0
(147)		510,691	$419,487	$410,857	$8,631	2.1%	$7,201	$1,430	$0	$0
(148)		542,050	$444,932	$435,771	$9,161	2.1%	$7,643	$1,518	$0	$0
(149)		573,408	$470,377	$460,686	$9,691	2.1%	$8,085	$1,606	$0	$0
(150)		604,766	$495,822	$485,601	$10,221	2.1%	$8,527	$1,693	$0	$0

Use (therm) per customer by rate class

Line No.	Low Level (75%)	Nov'10 - Oct'11	Nov'11 - Oct'12	Nov'12 - Oct'13[1]
1	Residential Heating	681	547	657
2	Residential Heating Low Income	643	542	582
3	Residential Non-Heating	164	168	218
4	Residential Non-Heating Low Income	491	400	442
5	Small C&I	1,004	757	945
6	Medium C&I	9,130	7,531	8,512
7	Large LLF	45,348	38,894	44,871
8	Large HLF	49,119	44,848	44,362
9	Extra Large LLF	244,851	209,829	244,958
10	Extra Large HLF	524,352	529,213	540,740

	Medium Level (100%)	Nov'10 - Oct'11	Nov'11 - Oct'12	Nov'12 - Oct'13[1]
11	Residential Heating	908	730	875
12	Residential Heating Low Income	857	723	775
13	Residential Non-Heating	219	224	291
14	Residential Non-Heating Low Income	655	534	589
15	Small C&I	1,339	1,010	1,260
16	Medium C&I	12,173	10,042	11,349
17	Large LLF	60,464	51,859	59,827
18	Large HLF	65,492	59,798	59,150
19	Extra Large LLF	326,469	279,772	326,610
20	Extra Large HLF	699,136	705,617	720,987

	High Level (125%)	Nov'10 - Oct'11	Nov'11 - Oct'12	Nov'12 - Oct'13[1]
21	Residential Heating	1,134	912	1,094
22	Residential Heating Low Income	1,071	904	969
23	Residential Non-Heating	274	280	363
24	Residential Non-Heating Low Income	818	667	736
25	Small C&I	1,674	1,262	1,575
26	Medium C&I	15,216	12,552	14,187
27	Large LLF	75,580	64,823	74,784
28	Large HLF	81,865	74,747	73,937
29	Extra Large LLF	408,086	349,715	408,263
30	Extra Large HLF	873,921	882,021	901,234

[1] September and October 2013 are based on the projected use as approved in Gas Cost Recovery Filing Docket No. 4346 and the actual number of customers in August 2013.