nationalgrid

October 3, 2016

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4634 - 2016 Distribution Adjustment Charge
Responses to Division Data Requests – Set 5

Dear Ms. Massaro:

Enclosed please find 10 copies of National Grid's[1] responses to the fifth set of data requests issued by the Rhode Island Division of Public Utilities and Carriers (Division) in the above-referenced docket.

Thank you for your attention to this filing. If you have any questions, please contact Jennifer Brooks Hutchinson at 401-784-7288 or Robert Humm at 401-784-7415.

Very truly yours,

Jennifer Brooks Hutchinson

Robert J. Humm

Enclosures

cc: Docket 4634 Service List
Leo Wold, Esq.
Steve Scialabba, Division
Bruce Oliver, Division

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

280 Melrose Street, Providence, RI 02907
T: 401-784-7000 ■ www.nationalgrid.com

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

_____ October 3, 2016

Joanne M. Scanlon Date

Docket No. 4634 – National Grid –2016 Annual Distribution Adjustment Charge Filing (DAC) - Service List as of 8/22/16

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File an original & nine (9) copies w/: Luly E. Massaro, Commission Clerk	Luly.massaro@puc.ri.gov; Patricia.lucarelli@puc.ri.gov;	401-780-2107

Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Todd.bianco@puc.ri.gov; Sharon.ColbyCamara@puc.ri.gov;	

Division 5-1

Request:

Re: Schedule SLN-3, please:

a. Provide the documents and workpapers from which the "Final Revenue Requirement" amounts on lines 6 and 13 were derived;

b. Explain any and all adjustments that were made in the determination of the "Final Revenue Requirement" amounts on lines 6 and 13 to reflect the influence of customer transfers from Residential Non-Heat service to Residential Heat service.

Response:

a. The details supporting the Final Revenue Requirement amounts on lines 6 and 13 of Schedule SLN-3 are provided in Attachment DIV 5-1 and on CD-ROM. Attachment DIV 5-1a is a copy of Schedule SLN-4 (pages 1-2, showing the allocation of the Final Revenue Requirement) and Schedule MAL-1 (pages 3-10) of the Company's August 1, 2014 Gas Revenue Decoupling Adjustment Factor filing in Docket No. 4514.

a. There was no adjustment to the Final Revenue Requirement since the revenue requirement was approved in Docket No. 4514 beyond the adjustment proposed in Schedule MAL-1 (pages 3-10 of Attachment DIV 5-1a), which at the time was in accordance with the Settlement Agreement in the Company's 2012 rate case in Docket No. 4323. The foregoing is described in Schedule SLN-7, page 14, lines 1-6, which contains Suhila Nouri Nutile's testimony in the Company's Gas Revenue Decoupling Mechanism Reconciliation filing dated June 30, 2016. The Company has not adjusted the allocation of the revenue requirement to the Residential Non-Heating and Residential Heating rate classes as a result of the transfer of customers between rate classes.

Gas Revenue Decoupling Targets[1]

Line No.		Feb-13 (a)	Mar-13 (b)	Apr-13 (c)	May-13 (d)	Jun-13 (e)	Jul-13 (f)	Aug-13 (g)	Sep-13 (h)	Oct-13 (i)	Nov-13 (j)	Dec-13 (k)	Jan-14 (l)	Total Feb 13 - Jan 14 (m)
	Residential Non-Heat													
1	Residential Non-Heat (incl Low-Income)													
2	Number of Customers	26,234	26,255	26,197	26,140	26,085	26,015	25,964	25,969	25,980	26,058	26,107	26,125	
3	Actual Revenue	$ 619,002	$ 604,058	$ 551,147	$ 480,518	$ 440,626	$ 421,958	$ 404,421	$ 411,267	$ 425,590	$ 468,132	$ 543,736	$ 608,707	$ 5,979,163
4	**RPC**	$ 23.60	$ 23.01	$ 21.04	$ 18.38	$ 16.89	$ 16.22	$ 15.58	$ 15.84	$ 16.38	$ 17.97	$ 20.83	$ 23.30	
5	Residential Heating (incl Low-Income)													
6	Number of Customers	206,524	206,734	206,526	205,560	204,853	204,218	203,713	203,918	204,929	206,779	208,036	208,864	
7	Actual Revenue	$ 15,552,475	$ 14,470,701	$ 11,157,590	$ 7,202,607	$ 5,097,052	$ 4,502,584	$ 4,237,221	$ 4,306,645	$ 4,692,464	$ 7,051,595	$ 11,560,624	$ 14,908,187	$ 104,739,746
8	**RPC**	$ 75.31	$ 70.00	$ 54.03	$ 35.04	$ 24.88	$ 22.05	$ 20.80	$ 21.12	$ 22.90	$ 34.10	$ 55.57	$ 71.38	
9	Small													
10	Number of Customers	18,800	18,800	18,697	18,524	18,381	18,270	18,221	18,243	18,367	18,680	18,856	18,995	
11	Actual Revenue	$ 1,901,912	$ 1,957,612	$ 1,457,117	$ 928,852	$ 615,286	$ 579,616	$ 538,554	$ 536,429	$ 588,115	$ 875,201	$ 1,472,999	$ 2,206,366	$ 13,658,058
12	**RPC**	$ 101.17	$ 104.13	$ 77.93	$ 50.14	$ 33.47	$ 31.72	$ 29.56	$ 29.40	$ 32.02	$ 46.85	$ 78.12	$ 116.16	
13	Medium C&I													
14	Number of Customers	4,696	4,705	4,702	4,691	4,694	4,684	4,665	4,678	4,700	4,734	4,758	4,773	
15	Actual Revenue	$ 2,432,687	$ 2,334,238	$ 1,838,057	$ 1,438,900	$ 1,215,685	$ 1,068,436	$ 1,004,164	$ 1,064,655	$ 1,178,537	$ 1,510,387	$ 1,910,148	$ 2,404,616	$ 19,400,509
16	**RPC**	$ 518.03	$ 496.12	$ 390.91	$ 306.74	$ 258.99	$ 228.10	$ 215.25	$ 227.59	$ 250.75	$ 319.05	$ 401.46	$ 503.80	

1 Actual revenue allocations from Schedule SLN-4 pg. 2

Base Revenue Requirement and Revenue Allocator

Line No.		Reference	Feb-13 (a)	Mar-13 (b)	Apr-13 (c)	May-13 (d)	Jun-13 (e)	Jul-13 (f)	Aug-13 (g)	Sep-13 (h)	Oct-13 (i)	Nov-13 (j)	Dec-13 (k)	Jan-14 (l)	Total Feb 13 - Jan 14 (m)	Docket No. 4323[1] Feb 13 - Jan 14 (n)
1	Residential Non-Heat															
2	Base Revenue		$ 603,913	$ 588,968	$ 538,932	$ 470,726	$ 433,857	$ 415,672	$ 398,638	$ 405,354	$ 419,298	$ 459,766	$ 531,921	$ 595,623	$ 5,862,669	Line 58, Col (U)
3	Allocator	(2) / (2, Col m)	10%	10%	9%	8%	7%	7%	7%	7%	7%	8%	9%	10%	100%	
4	Low Income Residential Non-Heat															
5	Base Revenue		$ 13,947	$ 13,940	$ 11,320	$ 9,098	$ 6,354	$ 5,908	$ 5,445	$ 5,566	$ 5,915	$ 7,808	$ 10,956	$ 12,137	$ 108,393	Line 59, Col (U)
6	Adjusted Base Revenue[2]	(5) / .9	$ 15,497	$ 15,489	$ 12,578	$ 10,109	$ 7,060	$ 6,564	$ 6,050	$ 6,184	$ 6,572	$ 8,675	$ 12,173	$ 13,486	$ 120,436	
7	Allocator	(6) / (6, Col m)	13%	13%	10%	8%	6%	5%	5%	5%	5%	7%	10%	11%	100%	
8	Residential Non-Heat (incl Low-Income)															
9	Base Revenue		$ 617,861	$ 602,908	$ 550,252	$ 479,824	$ 440,210	$ 421,580	$ 404,083	$ 410,920	$ 425,213	$ 467,574	$ 542,877	$ 607,760	$ 5,971,062	Line 58 + Line 59
10	Allocator	(2)+(6) / (2+6, Col m)	10%	10%	9%	8%	7%	7%	7%	7%	7%	8%	9%	10%	100%	
11	Residential Heating															
12	Base Revenue		$ 14,020,146	$ 12,954,125	$ 9,943,653	$ 6,404,239	$ 4,506,389	$ 3,987,699	$ 3,769,512	$ 3,829,208	$ 4,180,136	$ 6,300,411	$ 10,350,245	$ 13,468,008	$ 93,713,771	Line 64, Col (U)
13	Allocator	(12) / (12, Col m)	15%	14%	11%	7%	5%	4%	4%	4%	4%	7%	11%	14%	100%	
14	Low Income Residential Heating															
15	Base Revenue		$ 1,408,471	$ 1,392,249	$ 1,113,617	$ 732,135	$ 541,223	$ 471,900	$ 428,941	$ 437,828	$ 469,958	$ 689,384	$ 1,111,176	$ 1,324,319	$ 10,121,201	Line 68, Col (U)
16	Adjusted Base Revenue[2]	(15) / .9	$ 1,564,968	$ 1,546,944	$ 1,237,352	$ 813,484	$ 601,359	$ 524,333	$ 476,601	$ 486,475	$ 522,176	$ 765,982	$ 1,234,640	$ 1,471,465	$ 11,245,779	
17	Allocator	(16) / (16, Col m)	14%	14%	11%	7%	5%	5%	4%	4%	5%	7%	11%	13%	100%	
18	Residential Heating (incl Low-Income)															
19	Base Revenue		$ 15,428,617	$ 14,346,375	$ 11,057,270	$ 7,136,374	$ 5,047,612	$ 4,459,599	$ 4,198,453	$ 4,267,036	$ 4,650,094	$ 6,989,795	$ 11,461,421	$ 14,792,327	$ 103,834,972	Line 64 + Line 68
20	Allocator	(12)+(16) / (12+16, Col m)	15%	14%	11%	7%	5%	4%	4%	4%	4%	7%	11%	14%	100%	
21	Small															
22	Base Revenue		$ 1,905,339	$ 1,961,140	$ 1,459,743	$ 930,525	$ 616,395	$ 580,660	$ 539,524	$ 537,396	$ 589,175	$ 876,778	$ 1,475,654	$ 2,210,342	$ 13,682,672	Line 72, Col (U)
23	Allocator	(22) / (22, Col m)	14%	14%	11%	7%	5%	4%	4%	4%	4%	6%	11%	16%	100%	
24	Medium C&I															
25	Base Revenue		$ 2,434,281	$ 2,335,767	$ 1,839,262	$ 1,439,843	$ 1,216,481	$ 1,069,136	$ 1,004,822	$ 1,065,352	$ 1,179,309	$ 1,511,377	$ 1,911,399	$ 2,406,191	$ 19,413,220	Line 77, Col (U)
26	Allocator	(25) / (25, Col m)	13%	12%	9%	7%	6%	6%	5%	5%	6%	8%	10%	12%	100%	

Allocated Actual Revenue

		Reference	Feb-13 (a)	Mar-13 (b)	Apr-13 (c)	May-13 (d)	Jun-13 (e)	Jul-13 (f)	Aug-13 (g)	Sep-13 (h)	Oct-13 (i)	Nov-13 (j)	Dec-13 (k)	Jan-14 (l)	Total Feb 13 - Jan 14 (m)	Actual Revenue Requirement[3] (n)
27	Residential Non-Heat (incl Low-Income)															
28	Actual Revenue Requirement	(28, Col n) * (10)	$ 619,002	$ 604,058	$ 551,147	$ 480,518	$ 440,626	$ 421,958	$ 404,421	$ 411,267	$ 425,590	$ 468,132	$ 543,736	$ 608,707	$ 5,979,163	$5,979,163
29	Residential Heating (incl Low-Income)															
30	Actual Revenue Requirement	(30, Col n) * (20)	$ 15,552,475	$ 14,470,701	$ 11,157,590	$ 7,202,607	$ 5,097,052	$ 4,502,584	$ 4,237,221	$ 4,306,645	$ 4,692,464	$ 7,051,595	$ 11,560,624	$ 14,908,187	$ 104,739,746	$104,739,746
31	Small															
32	Actual Revenue Requirement	(32, Col n) * (23)	$ 1,901,912	$ 1,957,612	$ 1,457,117	$ 928,852	$ 615,286	$ 579,616	$ 538,554	$ 536,429	$ 588,115	$ 875,201	$ 1,472,999	$ 2,206,366	$ 13,658,058	$13,658,058
33	Medium C&I															
34	Actual Revenue Requirement	(34, Col n) * (26)	$ 2,432,687	$ 2,334,238	$ 1,838,057	$ 1,438,900	$ 1,215,685	$ 1,068,436	$ 1,004,164	$ 1,064,655	$ 1,178,537	$ 1,510,387	$ 1,910,148	$ 2,404,616	$ 19,400,509	$19,400,509

1 Base revenue requirement from Docket 4323 ("2012 Rate Case"), Book 2, Compliance Attachment 8C, Schedule PMN-7, page 4 of 5.
2 Low Income Residential Heat and Low Income Residential Non Heat revenues are adjusted to remove the 10% discount.
3 Actual Revenue Requirement Feb'13-Jan'14, source: Schedule MAL-1.

The Narragansett Electric Company
d/b/a National Grid
Computation of Class RDM Revenue per Customer
Rate Year Ending January 31, 2014

Line No.		Settled Rate Designed Class Rev Requirement Col A	Settled Growth Capital Rev Requirement Col B	Actual Growth Capital Revenue Requirement Col C	Actual Rate Year Rev Target Col D = A - B + C	Actual Avg. Rate Year Number of Customers Col E	Annual RDM Target Col F = D/E
	RDM Classes						
1	Res Non HT (incl Low Income)	$5,983,105	$82,829	$78,887	$5,979,163	26,094	$229.14
2	Res HT (incl Low Income)	$104,959,550	$1,453,041	$1,233,238	$104,739,746	205,888	$508.72
3	C&I Small	$13,682,672	$189,420	$164,807	$13,658,058	18,570	$735.51
4	C&I Medium	$19,413,220	$268,753	$256,043	$19,400,509	4,707	$4,121.92
5							
6	Sub-Total RDM	$144,038,546	$1,994,044	$1,732,975	$143,777,477	255,258	

Column Notes

Column A - Per Settlement Agreement Rate Design without Low Income discount.
Column B - RDM Class related Growth Capital revenue requirement per Settlement from Page 2 Column E. Line 6 equals Page 2, Line 3E + Line 7E.
Column C - Actual RDM Class related Growth Capital revenue requirement for the Rate Year ending 1/31/14 from Page 3 Column E.
Column E - Actual Average number of customers for the Rate Year ending January 31, 2014 from Page 2 Column F.

The Narragansett Electric Company
d/b/a National Grid
Forecasted Growth Capital Data Jan 2012-Jan 2014 as Filed

Line No.		**Initial Filing**					
		Final Rate Design	Rate Base With Growth	Final Rate Design Alloc	Fcst Growth Capital Revenue Requirement	Fcst Growth Capital Revenue Requirement	Fcst. No. Customers
		Col A	Col B	Col C = A/Total A	Col D	Col E = D*C	Col F
1	Res Non HT (incl Low Income)	$5,983,105	$14,706,535	4%		$82,829	23,978
2	Res HT (incl Low Income)	$104,959,550	$229,906,980	65%		$1,453,041	203,171
3	Total	$110,942,655	$244,613,515	69%		$1,535,870	227,148
4							
5	C&I Small	$13,682,672	$30,724,264	8%		$189,420	18,328
6	C&I Medium	$19,413,220	$47,732,910	12%		$268,753	4,599
7	Sub-Total	$33,095,891	$78,457,174	20%		$458,174	22,927
8							
9	C&I Large LLF	$7,810,306	$22,827,675	5%		$108,124	
10	C&I Large HLF	$2,546,116	$8,907,894	2%		$35,248	
11							
12	C&I XLarge LLF	$1,397,434	$2,935,729	1%		$19,346	
13	C&I XLarge HLF	$5,764,888	$12,203,471	4%		$79,808	
14							
15	Sub-Total	$17,518,744	$46,874,769	11%		$242,526	250,075
16							
17	Sub-Total C&I	$50,614,635	$125,331,943	31%		$700,700	
18							
19	Total	$161,557,290	$369,945,458	100%	$2,236,570	$2,236,570	
20							
21							
22	RDM	$144,038,546	$323,070,689				
23	NON RDM	$17,518,744	$46,874,769				
24	Total	$161,557,290	$369,945,458				
25							

The Narragansett Electric Company
d/b/a National Grid
Actual Growth Capital Data January 1, 2012 through January 31, 2014

Line No.		Initial Filing			Actual Growth Capital		
		Final Rate Design	Rate Base With Growth	Final Rate Base Alloc	Revenue Requirement *	Revenue Requirement *	Actual No. Customers
		Col A	Col B	Col C = B/Total B	Col D	Col E= D*C	Col F
	RDM Classes ONLY						
1	Res Non Ht(incl Low Income)	$5,983,105	$14,706,535	5%		$78,887	26,094
2	Res HT (incl Low Income)	$104,959,550	$229,906,980	71%		$1,233,238	205,888
3	Total	$110,942,655	$244,613,515	76%		$1,312,125	231,982
4							
5	C&I Small	$13,682,672	$30,724,264	10%		$164,807	18,570
6	C&I Medium	$19,413,220	$47,732,910	15%		$256,043	4,707
7	Sub-Total	$33,095,891	$78,457,174	24%		$420,850	23,276
8							
9	Total	$144,038,546	$323,070,689	100%	$1,732,975	$1,732,975	255,258

Line No.		Initial Filing			Actual Growth Capital	
		Final Rate Design	Rate Base With Growth	Final Rate Design Alloc	Revenue Requirement	Actual Growth Capital Revenue Requirement
		Col A	Col B	Col C = A/Total A	Col D	Col E = D*C
	All Rate Classes					
10	RDM	$144,038,546		89%		$1,732,975
11	NON RDM	$17,518,744		11%		$210,774
12	Total	$161,557,290		100%	$1,943,748	$1,943,748

Column Notes

Cols A & B From Page 2 Lines 1 through 7
Col D Line 9 = Line 10 Col E ; Line 12 = Page 5, Line 30
Col F Per Schedule SLN-4, Page 1 Col (m)

The Narragansett Electric Company
d/b/a National Grid
Computation of Growth Capital Investment Revenue Requirement as Filed
Rate Year Ending January 31, 2014

Line No		Calendar Year 2012 (a)	One Month Ending January 31, 2013 (b)	Rate Year Ending January 31, 2014 (c)
1	Annual Growth Capital Investment	$11,647,848	$1,112,878	$12,177,485
2	Cumulative Growth Capital	$11,647,848	$12,760,726	$24,938,211
3				
4	Deferred Tax Calculation:			
5	Composite Book Depreciation Rate	3.38%	3.38%	3.38%
6	Tax Depreciation Rate	44.66%	4.12%	4.11%
7				
8	Tax Depreciation	$5,201,492	$525,226	$984,187
9	Cumulative Tax Depreciation	$5,201,492	$5,726,718	$6,710,906
10				
11	Book Depreciation	$196,849	$395,265	$619,872
12	Cumulative Book Depreciation	$196,849	$592,113	$1,211,985
13				
14	Cumulative Book / Tax Timer	$5,004,644	$5,134,605	$5,498,921
15	Effective Tax Rate	35.00%	35.00%	35.00%
16	Deferred Tax Reserve	$1,751,625	$1,797,112	$1,924,622
17				
18	Rate Base Calculation:			
19	Cumulative Incremental Capital Included in Rate Base	11,647,848	12,760,726	24,938,211
20	Accumulated Depreciation	($196,849)	($592,113)	($1,211,985)
21	Deferred Tax Reserve	($1,751,625)	($1,797,112)	($1,924,622)
22	Year End Rate Base	**$9,699,374**	**$10,371,501**	**$21,801,604**
23				
24	Revenue Requirement Calculation:			
25	Average Rate Base			$16,086,552
26	Pre-Tax ROR			10.05%
27	Return and Taxes			$1,616,699
28	Book Depreciation			$619,872
29				
30	**Annual Revenue Requirement**			**$2,236,570**

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

	Capital Structure Ratio	Cost Rate	Weighted Cost Rate	Taxes	Pre-tax Return
Long Term Debt	49.95%	5.70%	2.85%		2.85%
Short Term Debt	0.76%	0.80%	0.01%		0.01%
Preferred Stock	0.15%	4.50%	0.01%		0.01%
Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
	100.00%		7.54%	2.51%	10.05%

The Narragansett Electric Company
d/b/a National Grid
Computation of Actual Growth Capital Investment Revenue Requirement
Rate Year Ending January 31, 2014

Line No		Reference	Calendar Year 2012 (a)	One Month Ending January 31, 2013 (b)	Rate Year Ending January 31, 2014 (c)
1	Annual Growth Capital Investment	Per Company books	$9,609,137	$980,150	$10,925,349
2	Cumulative Growth Capital	Prior Yr Line 2 + Current Yr Line 1	$9,609,137	$10,589,288	$21,514,637
3					
4	Deferred Tax Calculation:				
5	Composite Book Depreciation Rate				
6	Tax Depreciation Rate				
7					
8	Tax Depreciation	Col(a)=Page 8 Line 8(a); Col(b)=Page 7 Line 8(a) + Page 8 Line 8(b); Col(c)= Page 6 Line 8 +Page 7 Line 8(b) + Page 8 Line 8(c)	$4,291,081	$36,302	$849,379
9	Cumulative Tax Depreciation	Prior Yr Line 9 + Curent Yr Line 8	$4,291,081	$4,327,382	$5,176,761
10					
11	Book Depreciation	Col(a)=Page 8 Line 11(a); Col(b)=Page 7 Line 11(a) + Page 8 Line 11(b); Col(c)= Page 6 Line 11 + Page 7 Line 11(b) + Page 8 Line 11(c)	$162,394	$28,446	$527,372
12	Cumulative Book Depreciation	Prior Yr Line 12 + Curent Yr Line 11	$162,394	$190,841	$718,213
13					
14	Cumulative Book / Tax Timer	Line 9 - Line 12	$4,128,686	$4,136,542	$4,458,549
15	Effective Tax Rate	Per Tax Dept	35.00%	35.00%	35.00%
16	Deferred Tax Reserve	Line 14 * Line 15	$1,445,040	$1,447,790	$1,560,492
17					
18	Rate Base Calculation:				
19	Cumulative Incremental Capital Included in Rate Base	Line 2	$9,609,137	$10,589,288	$21,514,637
20	Accumulated Depreciation	less Line 12	($162,394)	($190,841)	($718,213)
21	Deferred Tax Reserve	less Line 16	($1,445,040)	($1,447,790)	($1,560,492)
22	Year End Rate Base	Line 19 + 20 + 21	**$8,001,703**	**$8,950,657**	**$19,235,932**
23					
24	Revenue Requirement Calculation:				
25	Average Rate Base	(Line 22 Col (b) + Line 22 Col (c)) / 2			$14,093,295
26	Pre-Tax ROR	Per Dkt 4323 Attachment 6 Page 56 1/			10.05%
27	Return and Taxes	Line 25 * Line 26			$1,416,376
28	Book Depreciation	Line 11			$527,372
29					
30	**Annual Revenue Requirement**	**Line 27 + Line 28**			**$1,943,748**

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

	Capital Structure Ratio	Cost Rate	Weighted Cost Rate	Taxes	Pre-tax Return
Long Term Debt	49.95%	5.70%	2.85%		2.85%
Short Term Debt	0.76%	0.80%	0.01%		0.01%
Preferred Stock	0.15%	4.50%	0.01%		0.01%
Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
	100.00%		7.54%	2.51%	10.05%

The Narragansett Electric Company
d/b/a National Grid
Computation of Actual Growth Capital Rate Base
Rate Year Ending January 31, 2014

Line No		Reference	Rate Year Ending January 31, 2014
1	Annual Growth Capital Investment	Per Company books	$10,925,349
2	Cumulative Growth Capital	Line 1	$10,925,349
3			
4	Deferred Tax Calculation:		
5	Composite Book Depreciation Rate	Per Dkt 4323 Attachment 6 Page 50	3.38%
6	Tax Depreciation	20-yr MACRS rate per IRS	3.75%
7			
8	Tax Depreciation	Line 1 * Line 6	$409,701
9	Cumulative Tax Depreciation	Line 8	$409,701
10			
11	Book Depreciation	Line 1 * Line 5 * 50%	$184,638
12	Cumulative Book Depreciation	Line 11	$184,638
13			
14	Cumulative Book / Tax Timer	Line 9 - Line 12	$225,062
15	Effective Tax Rate		35.00%
16	Deferred Tax Reserve	Line 14 * Line 15	$78,772
17			
18	Rate Base Calculation:		
19	Cumulative Incremental Capital Included in Rate Base	Line 2	$10,925,349
20	Accumulated Depreciation	less Line 12	($184,638)
21	Deferred Tax Reserve	less Line 16	($78,772)
22	Year End Rate Base	Line 19 + 20 + 21	**$10,661,939**

The Narragansett Electric Company
d/b/a National Grid
Computation of Actual Growth Capital Rate Base
One Month Ending January 31, 2013

Line No		Reference	(a) One Month Ending January 31, 2013	(b) Rate Year Ending January 31, 2014
1	Annual Growth Capital Investment	Per Company books	$980,150	$0
2	Cumulative Growth Capital	Line 1(a)	$980,150	$980,150
3				
4	Deferred Tax Calculation:			
5	Composite Book Depreciation Rate	Per Dkt 4323 Attachment 6 Page 50	3.38%	3.38%
6	Tax Depreciation	20-yr MACRS rate per IRS	3.75%	7.22%
7				
8	Tax Depreciation	Col (a) = Line 1 * Line 6 * 1/12 ; Col (b) = Line 2 * Line 6	$3,063	$70,757
9	Cumulative Tax Depreciation	Prior Yr Line 9 + Curent Yr Line 8	$3,063	$73,820
10				
11	Book Depreciation	Col (a) = Line 1 * Line 5 * 50% * 1/12 ; Col (b) = (Line 2 * Line 5 * 50% * 11/12) + (Line 2 * Line 5 * 1/12)	$1,380	$17,945
12	Cumulative Book Depreciation	Prior Yr Line 12 + Curent Yr Line 11	$1,380	$19,325
13				
14	Cumulative Book / Tax Timer	Line 9 - Line 12	$1,683	$54,495
15	Effective Tax Rate	Per Tax Dept	35.00%	35.00%
16	Deferred Tax Reserve	Line 14 * Line 15	$589	$19,073
17				
18	Rate Base Calculation:			
19	Cumulative Incremental Capital Included in Rate Base	Line 2	$980,150	980,150
20	Accumulated Depreciation	less Line 12	($1,380)	($19,325)
21	Deferred Tax Reserve	less Line 16	($589)	($19,073)
22	Year End Rate Base	Line 19 + 20 + 21	**$978,181**	**$941,752**

The Narragansett Electric Company
d/b/a National Grid
Computation of Actual Growth Capital Rate Base
12 Months Ending December 31, 2012

Line No		Reference		(a) Calendar Year 2012	(b) One Month Ending January 31, 2013	(c) Rate Year Ending January 31, 2014
1	Annual Growth Capital Investment	Per Company books		$9,609,137	$0	$0
2	Cumulative Growth Capital	Line 1 (a)		$9,609,137	$9,609,137	$9,609,137
3						
4	Deferred Tax Calculation:					
5	Composite Book Depreciation Rate	Per Dkt 4323 Attachment 6 Page 50		3.38%	3.38%	3.38%
6	Tax Depreciation Rate	Per Dkt 4323 Workpaper MDL-22 GAS	1/	44.66%	4.15%	3.84%
7						
8	Tax Depreciation	Line 2 * Line 6		$4,291,081	$33,239	$368,921
9	Cumulative Tax Depreciation	Prior Yr Line 9 + Curent Yr Line 8		$4,291,081	$4,324,320	$4,693,241
10						
11	Book Depreciation	Col (a) = Line 1 * Line 5 * 50% ; Col (b) = line 2 * Line 5 *1/12; Col (c) = Line 2 * Line 5		$162,394	$27,066	$324,789
12	Cumulative Book Depreciation	Prior Yr Line 12 + Curent Yr Line 11		$162,394	$189,460	$514,249
13						
14	Cumulative Book / Tax Timer	Line 9 - Line 12		$4,128,686	$4,134,859	$4,178,992
15	Effective Tax Rate	Per Tax Dept		35.00%	35.00%	35.000%
16	Deferred Tax Reserve	Line 14 * Line 15		$1,445,040	$1,447,201	$1,462,647
17						
18	Rate Base Calculation:					
19	Cumulative Growth Capital	Line 2		$9,609,137	$9,609,137	$9,609,137
20	Accumulated Depreciation	less Line 12		($162,394)	($189,460)	($514,249)
21	Deferred Tax Reserve	less Line 16		($1,445,040)	($1,447,201)	($1,462,647)
22	Year End Rate Base	Line 19 + 20 + 21		**$8,001,703**	**$7,972,476**	**$7,632,241**

Note

1/ Effective tax rate equals total MACRS and Bonus depreciation ($15.3m in 2012, $1.4m in CY13 and $1.3m in CY 2014) over total CY 2012 capital additions of net of capital repairs deduction ($34.2m).

Division 5-2

Request:

Re: Schedule SLN-4, please explain why the customer counts for Non-Heating Residential Customers Transferred month of Jun 2015 are noticeably below the comparable counts for customers transferred for the months of April 2015 and May 2015 for:

a. Non-Heating Residential Customers

b. Non-Heating Low Income Residential Customers

Response:

a. and b.

To clarify, the information requested in this data request is contained in Schedule SLN-7, not Schedule SLN-4, of this filing. Schedule SLN-4 of this filing addresses the Environmental Response Cost Factor, whereas Schedule SLN-7 addresses the Company's June 30, 2016 Gas Revenue Decoupling Mechanism Reconciliation Filing (the Revenue Decoupling Filing). Page 25 of Schedule SLN-7 is Schedule SLN-4 of the Revenue Decoupling Filing.

As indicated on Page 25 of Schedule SLN-7, in the note beneath Line 7, the transfer of customers from the Residential Non-Heating rate classes to the Residential Heating rate classes was made by June 16, 2015, which is approximately the middle of the billing month. Therefore, approximately half of the customers were on the correct rate in June 2015.

Division 5-3

Request:

Re: Schedule SLN-6, pages 4-5, and the Attachment to the Company's response to DIV Data Request 2-8, tab "Schedule 6 – pg 4-5 detail," please document, explain, and provide all supporting workpapers relied upon to justify the reflection of no billed Customer Charge amounts for **Customer 55** for any month in the period April 2015 through March 2016.

Response:

In preparing this response, the Company discovered that Customer 55 was not assessed the $715 monthly customer charge since February 2014. The Company is hereby submitting a revised Schedule SLN-6 crediting $18,590 (as reflected in Attachment DIV 5-3, page 2, Line 6), which represents the customer charge for the months February 2014 through March 2016 as a part of the past year's Non-Firm margin. The additional revenue increases the On-Systems Margin Factor from a credit of ($0.0001) per therm to ($0.0002) per therm (as shown in Attachment DIV 5-3, page 1, Line 6).

Prepared by or under the supervision of: Suhila Nouri Nutile

National Grid - RI Gas
On-System Margin Factor
Effective November 1, 2016

Line No.			
1	Threshold	$1,435,656	
2	Total Non-firm margin	$1,517,921	
3	Margin above the Threshold	($82,264)	
4	Firm Throughput	39,473,742	dth
5	On-System Margin Credit per dth	($0.0020)	per dth
6	On-System Margin Credit per therm	**($0.0002)**	**per therm**

1 Page 3, Col (g), Ln 4
2 Page 2, Col (n), Ln 7
3 Line (1) - Line (2)
4 Company forecast
5 Line (3) / Line (4)
6 Line (5) / 10, truncated to 4 decimal places

National Grid - RI Gas
On-System Margin Calculation

Line No.		Feb 2014-Mar 2015 (a)	Apr-15 (b)	May-15 (c)	Jun-15 (d)	Jul-15 (e)	Aug-15 (f)	Sep-15 (g)	Oct-15 (h)	Nov-15 (i)	Dec-15 (j)	Jan-16 (k)	Feb-16 (l)	Mar-16 (m)	Total Apr 15-Mar 16 (n)
1	Non-firm Usage (dth)		171,871	147,785	136,704	164,111	161,300	175,484	160,869	184,606	149,357	101,492	128,108	152,367	1,834,057
2	Non-firm Billings		$335,297	$212,283	$216,339	$247,730	$240,719	$257,549	$283,810	$356,340	$335,920	$141,126	$362,030	$279,281	$3,268,424
3	Curtailments - Distribution Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$27	$0	$0	$27
4	Curtailments - Commodity Charge		$0	$0	$0	$0	$0	$0	$0	$0	($16,167)	$952	$0	$0	($15,215)
5	Non-firm Margin		$142,488	$118,153	$108,955	$128,104	$126,975	$137,421	$130,255	$151,479	$126,902	$86,183	$112,713	$129,702	$1,499,331
6	Customer #55 Customer Charge	$10,010	$715	$715	$715	$715	$715	$715	$715	$715	$715	$715	$715	$715	$18,590
7	Total Non-firm Margin	$10,010	$143,203	$118,868	$109,670	$128,819	$127,690	$138,136	$130,970	$152,194	$127,617	$86,898	$113,428	$130,417	$1,517,921

1 Page 5, column (f), total/10
2 Page 5, column (r), total
3 Page 5, column (p), total
4 Page 5, column (q), total
5 Page 5, column (u), total
6 Additional Customer Charge of $715 per month not billed to Customer #55 for February 2014 through March 2016.
7 Line 5 + Line 6

National Grid - RI Gas
On-System Margin Threshold Adjustment

Customers moving from Non-firm to Firm service per Settlement Agreement of Docket No. 4323

Line No.	(a) Assigned #	(b) Test year usage for Apr 2011-Oct 2011 (therm)	(c) Distribution rate approved in Dkt 4323 (per therm)	(d) Calculated annual margin (b) * (c)
	April 2015 - March 2016			
1	5	529,774	$0.0733	$38,832
2	15	541,530	$0.0912	$49,388
3	Total			$88,220

Calculation of Adjustment to On-System Margin Threshold Approved in Docket No. 4323

	(e) Annual Non-firm Threshold per Dkt 4573	(f) Adjustment to Non-firm Threshold (d), line 3	(g) Adjusted Annual Non-firm Threshold (e) - (f)
4	$1,523,876	$88,220	$1,435,656

Column (b), Customers 5 and 15 transferred to firm service as of November 2014, their usage for Nov 2011-Mar 2011 was adjusted in Docket 4573, SLN-6, page 3.

Column (e), Line 4, per Docket 4573, SLN-6, page 3, Line 4, Column (g).

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4634
Schedule SLN-6 Revised
Page 4 of 5

Assigned #	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge Usage	(therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments - Distribution	Curtailments - Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost (Col g + Col q)	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)
6	Apr-15	Apr-15	Trans	$485	13,505	N/A		$990	$0.0733	$0	$0	$860		$1			$2,336	$1,475	$0	$1,475	
8	Apr-15	Apr-15	Trans	$715	849,553	N/A		$62,272	$0.0733	$0	$3,622	$54,117		$1			$120,726	$62,987	$0	$62,987	
14	Apr-15	Apr-15	Sales	$625	233,022	$68,888	$0.2956	$21,252	$0.0912	$0	$3,266	$14,844		$1			$108,875	$90,765	$68,888	$21,877	
16	Apr-15	Apr-15	Trans	$715	325,429	N/A		$29,679	$0.0912	$0	$0	$20,730		$1			$51,125	$30,394	$0	$30,394	
17	Apr-15	Apr-15	Trans	$485	33,260	N/A		$2,438	$0.0733	$0	$0	$2,119		$1			$5,042	$2,923	$0	$2,923	
19	Apr-15	Apr-15	Trans	$715	15,505	N/A		$1,137	$0.0733	$0	$0	$988		$1			$2,840	$1,852	$0	$1,852	
20	Apr-15	Apr-15	Trans	$715	52,234	N/A		$3,829	$0.0733	$0	$12	$3,327	($0)	$1			$7,884	$4,543	$0	$4,543	
28	Apr-15	Apr-15	Sales	$625	39,075	$11,552	$0.2956	$2,864	$0.0733	$0	$0	$2,489		$1			$17,531	$15,041	$11,552	$3,489	
36	Apr-15	Apr-15	Trans	$715	74,707	N/A		$5,476	$0.0733	$0	$339	$4,759		$1			$11,289	$6,191	$0	$6,191	
55	Apr-15	Apr-15	Trans	$0	13,933	N/A		$1,021	$0.0733	$0	$3	$888		$1			$1,912	$1,021	$0	$1,021	
67	Apr-15	Apr-15	Trans	$715	68,490	N/A		$5,020	$0.0733	$0	$0	$0		$1			$5,736	$5,735	$0	$5,735	
6	May-15	May-15	Trans	$485	14,618	N/A		$1,072	$0.0733	$0	$0	$931		$1			$2,488	$1,557	$0	$1,557	
8	May-15	May-15	Trans	$715	899,675	N/A		$65,946	$0.0733	$0	$3,834	$57,309		$1			$127,805	$66,661	$0	$66,661	
14	May-15	May-15	Sales	$625	28,669	$8,126	$0.2834	$2,615	$0.0912	$0	$408	$1,826		$140			$13,739	$11,365	$8,126	$3,240	
16	May-15	May-15	Trans	$715	156,646	N/A		$14,286	$0.0912	$0	$0	$9,978		($19,056)			$5,924	$15,001	$0	$15,001	
17	May-15	May-15	Trans	$485	35,897	N/A		$2,631	$0.0733	$0	$0	$2,287		$263			$5,666	$3,116	$0	$3,116	
19	May-15	May-15	Trans	$715	23,979	N/A		$1,758	$0.0733	$0	$0	$1,527		$1			$4,001	$2,473	$0	$2,473	
20	May-15	May-15	Trans	$715	37,130	N/A		$2,722	$0.0733	$0	$9	$2,365	($0)	$1			$5,811	$3,436	$0	$3,436	
28	May-15	May-15	Sales	$625	53,833	$15,258	$0.2834	$3,946	$0.0733	$0	$0	$3,429		$1			$23,259	$19,829	$15,258	$4,571	
36	May-15	May-15	Trans	$715	68,031	N/A		$4,987	$0.0733	$0	$310	$4,334		$1			$10,346	$5,702	$0	$5,702	
55	May-15	May-15	Trans	$0	12,187	N/A		$893	$0.0733	$0	$3	$776		$66			$1,738	$893	$0	$893	
67	May-15	May-15	Trans	$715	147,189	N/A		$10,789	$0.0733	$0	$0	$0		$1			$11,505	$11,504	$0	$11,504	
6	Jun-15	Jun-15	Trans	$485	23,160	N/A		$1,698	$0.0733	$0	$0	$1,475		$1			$3,659	$2,183	$0	$2,183	
8	Jun-15	Jun-15	Trans	$715	877,275	N/A		$64,304	$0.0733	$0	$3,739	$55,882		$1			$124,642	$65,019	$0	$65,019	
14	Jun-15	Jun-15	Sales	$625	603	$189	$0.3134	$55	$0.0912	$0	$28	$38		$279			$1,214	$869	$189	$680	
16	Jun-15	Jun-15	Trans	$715	124,582	N/A		$11,362	$0.0912	$0	$0	$7,936		$817			$20,830	$12,077	$0	$12,077	
17	Jun-15	Jun-15	Trans	$485	51,495	N/A		$3,775	$0.0733	$0	$0	$3,280		($527)			$7,013	$4,260	$0	$4,260	
19	Jun-15	Jun-15	Trans	$715	53,050	N/A		$3,889	$0.0733	$0	$0	$3,379		$1			$7,984	$4,604	$0	$4,604	
20	Jun-15	Jun-15	Trans	$715	20,910	N/A		$1,533	$0.0733	$0	$6	$1,332	($0)	$1			$3,586	$2,247	$0	$2,247	
28	Jun-15	Jun-15	Sales	$625	65,289	$20,463	$0.3134	$4,786	$0.0733	$0	$0	$4,159		$1			$30,033	$25,874	$20,463	$5,411	
36	Jun-15	Jun-15	Trans	$715	58,993	N/A		$4,324	$0.0733	$0	$272	$3,758		$1			$9,070	$5,039	$0	$5,039	
55	Jun-15	Jun-15	Trans	$0	12,943	N/A		$949	$0.0733	$0	$3	$824		$46			$1,822	$949	$0	$949	
67	Jun-15	Jun-15	Trans	$715	78,745	N/A		$5,772	$0.0733	$0	$0	$0		$0			$6,487	$6,487	$0	$6,487	
6	Jul-15	Jul-15	Trans	$485	26,277	N/A		$1,926	$0.0733	$0	$0	$1,674		$1			$4,086	$2,411	$0	$2,411	
8	Jul-15	Jul-15	Trans	$715	1,017,504	N/A		$74,583	$0.0733	$0	$4,333	$64,815		$1			$144,447	$75,298	$0	$75,298	
14	Jun-15	Jul-15	Sales	$625	603	$189	$0.3134	$55	$0.0912	$0	$28	$38		$1			$936	$869	$189	$680	
14	Jun-15	Jul-15	Sales	($625)	(603)	($189)	$0.3134	($55)	$0.0912	$0	($28)	($38)		($1)			($936)	($869)	($189)	($680)	
16	Jul-15	Jul-15	Trans	$715	107,624	N/A		$9,815	$0.0912	$0	$0	$6,856		$261			$17,647	$10,530	$0	$10,530	
17	Jul-15	Jul-15	Trans	$485	34,995	N/A		$2,565	$0.0733	$0	$0	$2,229		$7			$5,287	$3,050	$0	$3,050	
19	Jul-15	Jul-15	Trans	$715	69,257	N/A		$5,077	$0.0733	$0	$0	$4,412		$1			$10,204	$5,792	$0	$5,792	
20	Jul-15	Jul-15	Trans	$715	29,168	N/A		$2,138	$0.0733	$0	$7	$1,858	($0)	$1			$4,719	$2,853	$0	$2,853	
28	Jul-15	Jul-15	Sales	$625	83,821	$22,372	$0.2669	$6,144	$0.0733	$0	$0	$5,339		$1			$34,481	$29,141	$22,372	$6,769	
36	Jul-15	Jul-15	Trans	$715	66,701	N/A		$4,889	$0.0733	$0	$305	$4,249		$1			$10,158	$5,604	$0	$5,604	
55	Jul-15	Jul-15	Trans	$0	12,115	N/A		$888	$0.0733	$0	$3	$772		$45			$1,708	$888	$0	$888	
67	Jul-15	Jul-15	Trans	$715	193,644	N/A		$14,194	$0.0733	$0	$0	$0		$85			$14,994	$14,909	$0	$14,909	
6	Aug-15	Aug-15	Trans	$485	26,440	N/A		$1,938	$0.0733	$0	$0	$1,684		$1			$4,108	$2,423	$0	$2,423	
8	Aug-15	Aug-15	Trans	$715	1,057,997	N/A		$77,551	$0.0733	$0	$4,505	$67,394		$1			$150,166	$78,266	$0	$78,266	
14	Jul-15	Aug-15	Sales	$625	0	$0		$0	$0.0912	$0	$19	$0		$1			$645	$625	$0	$625	
14	Aug-15	Aug-15	Sales	$625	0	$0		$0	$0.0912	$0	$19	$0		$1			$645	$625	$0	$625	
16	Aug-15	Aug-15	Trans	$715	89,780	N/A		$8,188	$0.0912	$0	$0	$5,719		$1			$14,623	$8,903	$0	$8,903	
17	Aug-15	Aug-15	Trans	$485	36,052	N/A		$2,643	$0.0733	$0	$0	$2,297		$1			$5,425	$3,128	$0	$3,128	
19	Aug-15	Aug-15	Trans	$715	43,540	N/A		$3,191	$0.0733	$0	$0	$2,773		$1			$6,681	$3,906	$0	$3,906	
20	Aug-15	Aug-15	Trans	$715	37,832	N/A		$2,773	$0.0733	$0	$9	$2,410	($0)	$1			$5,908	$3,488	$0	$3,488	
28	Aug-15	Aug-15	Sales	$625	78,519	$18,253	$0.2325	$5,755	$0.0733	$0	$0	$5,002		$1			$29,636	$24,634	$18,253	$6,380	
36	Aug-15	Aug-15	Trans	$715	43,413	N/A		$3,182	$0.0733	$0	$206	$2,765		$1			$6,869	$3,897	$0	$3,897	
55	Aug-15	Aug-15	Trans	$0	10,608	N/A		$778	$0.0733	$0	$2	$676		$1			$1,456	$778	$0	$778	
67	Aug-15	Aug-15	Trans	$715	188,823	N/A		$13,841	$0.0733	$0	$0	$0		$1			$14,556	$14,556	$0	$14,556	
6	Sep-15	Sep-15	Trans	$485	28,636	N/A		$2,099	$0.0733	$0	$0	$1,824		$1			$4,409	$2,584	$0	$2,584	
8	Sep-15	Sep-15	Trans	$715	978,399	N/A		$71,717	$0.0733	$0	$4,168	$62,324		$699			$139,622	$72,432	$0	$72,432	
14	Sep-15	Sep-15	Sales	$625	1,103	$277	$0.2509	$101	$0.0912	$0	$33	$70		$171			$1,277	$1,002	$277	$726	
16	Sep-15	Sep-15	Trans	$715	126,371	N/A		$11,525	$0.0912	$0	$0	$8,050		$184			$20,473	$12,240	$0	$12,240	
17	Sep-15	Sep-15	Trans	$485	29,297	N/A		$2,147	$0.0733	$0	$0	$1,866		$14			$4,512	$2,632	$0	$2,632	
19	Sep-15	Sep-15	Trans	$715	71,553	N/A		$5,245	$0.0733	$0	$0	$4,558		$1			$10,518	$5,960	$0	$5,960	
20	Sep-15	Sep-15	Trans	$715	37,759	N/A		$2,768	$0.0733	$0	$9	$2,405	($0)	$1			$5,898	$3,482	$0	$3,482	
28	Sep-15	Sep-15	Sales	$625	88,044	$22,094	$0.2509	$6,454	$0.0733	$0	$0	$5,608		$186			$34,967	$29,172	$22,094	$7,079	
36	Sep-15	Sep-15	Trans	$715	64,511	N/A		$4,729	$0.0733	$0	$295	$4,109		$1			$9,849	$5,444	$0	$5,444	
55	Sep-15	Sep-15	Trans	$0	11,713	N/A		$859	$0.0733	$0	$2	$746		$62			$1,669	$859	$0	$859	
67	Sep-15	Sep-15	Trans	$715	317,457	N/A		$23,270	$0.0733	$0	$0	$0		$370			$24,355	$23,985	$0	$23,985	
6	Oct-15	Oct-15	Trans	$485	33,521	N/A		$2,457	$0.0733	$0	$0	$2,135		$1			$5,078	$2,942	$0	$2,942	
8	Oct-15	Oct-15	Trans	$715	923,093	N/A		$67,663	$0.0733	$0	$3,933	$58,801		$2,841			$133,953	$68,378	$0	$68,378	
14	Oct-15	Oct-15	Sales	$625	82,867	$21,050	$0.2540	$7,557	$0.0912	$0	$1,139	$5,279		$187			$35,837	$29,232	$21,050	$8,182	

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4634
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Assigned #	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge Usage	(therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments - Distribution	Curtailments - Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost (Col g + Col q)	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)
16	Oct-15	Oct-15	Trans	$715	242,729	N/A		$22,137	$0.0912	$0	$0	$15,462		$1			$38,315	$22,852	$0	$22,852	
17	Oct-15	Oct-15	Trans	$485	30,389	N/A		$2,227	$0.0733	$0	$0	$1,936		$7			$4,656	$2,712	$0	$2,712	
19	Oct-15	Oct-15	Trans	$715	66,440	N/A		$4,870	$0.0733	$0	$0	$4,232		$1			$9,818	$5,585	$0	$5,585	
20	Oct-15	Oct-15	Trans	$715	46,422	N/A		$3,403	$0.0733	$0	$14	$2,957	($0)	$1			$7,089	$4,117	$0	$4,117	
28	Oct-15	Oct-15	Sales	$625	89,688	$22,783	$0.2540	$6,574	$0.0733	$0	$0	$5,713		$1			$35,695	$29,982	$22,783	$7,199	
36	Oct-15	Oct-15	Trans	$715	59,337	N/A		$4,349	$0.0733	$0	$274	$3,780		$1			$9,118	$5,064	$0	$5,064	
55	Oct-15	Oct-15	Trans	$0	10,987	N/A		$805	$0.0733	$0	$2	$700		$22			$1,529	$805	$0	$805	
67	Oct-15	Oct-15	Trans	$715	23,218	N/A		$1,702	$0.0733	$0	$0	$0		$305			$2,722	$2,417	$0	$2,417	
6	Nov-15	Nov-15	Trans	$485	20,343	N/A		$1,491	$0.0733	$0	$0	$1,296		$1			$3,273	$1,976	$0	$1,976	
8	Nov-15	Nov-15	Trans	$715	667,614	N/A		$48,936	$0.0733	$0	$2,851	$42,527		$2,841			$97,870	$49,651	$0	$49,651	
14	Nov-15	Nov-15	Sales	$625	226,955	$68,427	$0.3015	$20,698	$0.0912	$0	$3,223	$14,457		$1			$107,431	$89,750	$68,427	$21,323	
16	Nov-15	Nov-15	Trans	$715	312,319	N/A		$28,483	$0.0912	$0	$0	$19,895		$1			$49,094	$29,198	$0	$29,198	
17	Nov-15	Nov-15	Trans	$485	56,461	N/A		$4,139	$0.0733	$0	$0	$3,597		$1			$8,221	$4,624	$0	$4,624	
19	Nov-15	Nov-15	Trans	$715	38,106	N/A		$2,793	$0.0733	$0	$0	$2,427		$1			$5,936	$3,508	$0	$3,508	
20	Nov-15	Nov-15	Trans	$715	53,973	N/A		$3,956	$0.0733	$0	$13	$3,438	($0)	$1			$8,122	$4,671	$0	$4,671	
28	Nov-15	Nov-15	Sales	$625	90,902	$27,407	$0.3015	$6,663	$0.0733	$0	$0	$5,790		$1			$40,486	$34,695	$27,407	$7,288	
36	Nov-15	Nov-15	Trans	$715	78,066	N/A		$5,722	$0.0733	$0	$353	$4,973		$1			$11,764	$6,437	$0	$6,437	
55	Nov-15	Nov-15	Trans	$0	20,964	N/A		$1,537	$0.0733	$0	$4	$1,335		$1			$2,877	$1,537	$0	$1,537	
67	Nov-15	Nov-15	Trans	$715	280,360	N/A		$20,550	$0.0733	$0	$0	$0		$1			$21,266	$21,265	$0	$21,265	
6	Dec-15	Dec-15	Trans	$485	10,719	N/A		$786	$0.0733	$0	$0	$683		$1			$1,954	$1,271	$0	$1,271	
8	Dec-15	Dec-15	Trans	$715	630,096	N/A		$46,186	$0.0733	$0	$2,692	$40,137		$2,841			$92,571	$46,901	$0	$46,901	
14	Dec-15	Dec-15	Sales	$625	259,269	$95,232	$0.3673	$23,645	$0.0912	$0	$4,207	$16,515		$797			$141,022	$119,502	$95,232	$24,270	
16	Dec-15	Dec-15	Trans	$715	346,714	N/A		$31,620	$0.0912	$0	$0	$22,086		$1,093			$55,514	$32,335	$0	$32,335	
16	Jan-14	Dec-15	Trans	$0	(245)	N/A	$13.9541	$0	$0.0912	$0	$0	$0		$0		($3,419)	($3,419)	($3,419)	($3,419)	$0	Return of curtailment for 24
16	Jan-14	Dec-15	Trans	$0	(656)	N/A	$19.4330	$0	$0.0912	$0	$0	$0		$0		($12,748)	($12,748)	($12,748)	($12,748)	$0	Return of curtailment for 65
17	Dec-15	Dec-15	Trans	$485	28,504	N/A		$2,089	$0.0733	$0	$0	$1,816		$14			$4,404	$2,574	$0	$2,574	
19	Dec-15	Dec-15	Trans	$715	4,481	N/A		$328	$0.0733	$0	$0	$285		$1			$1,330	$1,043	$0	$1,043	
20	Dec-15	Dec-15	Trans	$715	54,561	N/A		$3,999	$0.0733	$0	$13	$3,476	($0)	$1			$8,203	$4,714	$0	$4,714	
28	Dec-15	Dec-15	Sales	$625	60,134	$22,088	$0.3673	$4,408	$0.0733	$0	$0	$3,831		$1			$30,952	$27,121	$22,088	$5,033	
36	Dec-15	Dec-15	Trans	$715	86,415	N/A		$6,334	$0.0733	$0	$388	$5,505		$1			$12,943	$7,049	$0	$7,049	
55	Dec-15	Dec-15	Trans	$0	13,583	N/A		$996	$0.0733	$0	$3	$865		$77			$1,940	$996	$0	$996	
67	Dec-15	Dec-15	Trans	$715	0	N/A		$0	$0.0733	$0	$0	$0		$539			$1,254	$715	$0	$715	
6	Jan-16	Jan-16	Trans	$485	0	N/A		$0	$0.0733	$0	$0	$0		($116)			$369	$485	$0	$485	
8	Jan-16	Jan-16	Trans	$715	541,254	N/A		$39,674	$0.0733	$0	$2,064	$26,359		$2,841			$71,653	$40,389	$0	$40,389	
14	Jan-16	Jan-16	Sales	$625	193,079	$100,839	$0.5223	$17,609	$0.0912	$0	$4,004	$9,403		$162			$132,641	$119,073	$100,839	$18,234	
14	Jan-16	Jan-16	Sales	$0	301	N/A		$0	$0.0912	$0	$0	$15		$0	$27.41	$952	$994	$979	$952	$27	Curtailment 301 therms
14	Jan-16	Jan-16	Sales	($625)	(193,380)	($100,996)	$0.5223	($17,636)	$0.0912	$0	($3,980)	($9,418)		($1)			($132,656)	($119,258)	($100,996)	($18,261)	Canceled January 2016 bill
16	Jan-16	Jan-16	Trans	$715	329,855	N/A		$30,083	$0.0912	$0	$0	$16,064		$1			$46,862	$30,798	$0	$30,798	
17	Jan-16	Jan-16	Trans	$485	1,484	N/A		$109	$0.0733	$0	$0	$72		($554)			$112	$594	$0	$594	
19	Jan-16	Jan-16	Trans	$715	0	N/A		$0	$0.0733	$0	$0	$0		$1			$716	$715	$0	$715	
20	Jan-16	Jan-16	Trans	$715	53,081	N/A		$3,891	$0.0733	$0	$11	$2,585	($0)	$1			$7,202	$4,606	$0	$4,606	
28	Jan-16	Jan-16	Sales	$625	0	$0		$0	$0.0733	$0	$0	$0		$1			$626	$625	$0	$625	
36	Jan-16	Jan-16	Trans	$715	68,719	N/A		$5,037	$0.0733	$0	$281	$3,347		$1			$9,381	$5,752	$0	$5,752	
55	Jan-16	Jan-16	Trans	$0	20,530	N/A		$1,505	$0.0733	$0	$4	$1,000		$1			$2,509	$1,505	$0	$1,505	
67	Jan-16	Jan-16	Trans	$715	0	N/A		$0	$0.0733	$0	$0	$0		$1			$716	$715	$0	$715	
6	Feb-16	Feb-16	Trans	$485	0	N/A		$0	$0.0733	$0	$0	$0		$1			$486	$485	$0	$485	
8	Feb-16	Feb-16	Trans	$715	485,519	N/A		$35,589	$0.0733	$0	$1,854	$23,645		$2,841			$64,643	$36,304	$0	$36,304	
14	Feb-16	Feb-16	Sales	$625	125,593	$71,056	$0.5658	$11,454	$0.0912	$0	$2,760	$6,116		$1			$92,012	$83,135	$71,056	$12,079	
14	Jan-16	Feb-16	Sales	$625	193,380	$100,996	$0.5223	$17,636	$0.0912	$0	$3,980	$9,418		$1			$132,656	$119,258	$100,996	$18,261	
16	Feb-16	Feb-16	Trans	$715	333,309	N/A		$30,398	$0.0912	$0	$0	$16,232		$695			$48,040	$31,113	$0	$31,113	
17	Feb-16	Feb-16	Trans	$485	1,293	N/A		$95	$0.0733	$0	$0	$63		$1			$643	$580	$0	$580	
19	Feb-16	Feb-16	Trans	$715	0	N/A		$0	$0.0733	$0	$0	$0		($482)			$233	$715	$0	$715	
20	Feb-16	Feb-16	Trans	$715	22,551	N/A		$1,653	$0.0733	$0	$5	$1,098	($0)	$1			$3,472	$2,368	$0	$2,368	
28	Feb-16	Feb-16	Sales	$625	0	$0		$0	$0.0733	$0	$0	$0		$1			$626	$625	$0	$625	
36	Feb-16	Feb-16	Trans	$715	89,213	N/A		$6,539	$0.0733	$0	$359	$4,345		$1			$11,959	$7,254	$0	$7,254	
55	Feb-16	Feb-16	Trans	$0	0	N/A		$0	$0.0733	$0	$0	$0		$4,306			$4,306	$0	$0	$0	
67	Feb-16	Feb-16	Trans	$715	30,219	N/A		$2,215	$0.0733	$0	$0	$0		$25			$2,955	$2,930	$0	$2,930	
6	Mar-16	Mar-16	Trans	$485	143	N/A		$11	$0.0733	$0	$0	$7		$1			$503	$496	$0	$496	
8	Mar-16	Mar-16	Trans	$715	698,905	N/A		$51,230	$0.0733	$0	$2,659	$34,037		$2,841			$91,481	$51,945	$0	$51,945	
14	Mar-16	Mar-16	Sales	$625	272,307	$67,867	$0.2492	$24,834	$0.0912	$0	$3,297	$13,261		$1			$109,885	$93,326	$67,867	$25,459	
16	Mar-16	Mar-16	Trans	$715	370,558	N/A		$33,795	$0.0912	$0	$0	$18,046		$1			$52,557	$34,510	$0	$34,510	
17	Mar-16	Mar-16	Trans	$485	191	N/A		$14	$0.0733	$0	$0	$9		$1			$509	$499	$0	$499	
19	Mar-16	Mar-16	Trans	$715	8	N/A		$1	$0.0733	$0	$0	$0		$1			$717	$716	$0	$716	
20	Mar-16	Mar-16	Trans	$715	54,637	N/A		$4,005	$0.0733	$0	$11	$2,661	($0)	$1			$7,392	$4,720	$0	$4,720	
28	Mar-16	Mar-16	Sales	$625	0	$0		$0	$0.0733	$0	$0	$0		$1			$626	$625	$0	$625	
36	Mar-16	Mar-16	Trans	$715	92,124	N/A		$6,753	$0.0733	$0	$370	$4,486		$1			$12,325	$7,468	$0	$7,468	
55	Mar-16	Mar-16	Trans	$0	387	N/A		$28	$0.0733	$0	$0	$19		$1			$48	$28	$0	$28	
67	Mar-16	Mar-16	Trans	$715	34,415	N/A		$2,523	$0.0733	$0	$0	$0		$1			$3,238	$3,238	$0	$3,238	
				$78,120	**18,340,568**	**$684,219**		**$1,421,188**		**$0**	**$66,560**	**$1,025,231**	**($4)**	**$8,298**	**$27**	**($15,215)**	**$3,268,424**	**$2,168,335**	**$669,005**	**$1,499,331**	

Column (b) to Column (q) per customer billing information
Column (r) = Columns (e) + (g) + (i) + (k) + (l) + (m) + (n) + (o) + (p) + (q)
Column (s) = Columns (r) - [(k) + (l) + (m) + (o)]
Column (t) = Columns (g) + (q)
Column (u) = Columns (s) - (t)

Division 5-4

Request:

Re: Schedule SLN-6, pages 4-5, and the Attachment to the Company's response to DIV Data Request 2-8, tab "Schedule 6 – pg 4-5 detail," please:

a. Document, explain, and provide workpapers to support the derivation of curtailment amounts "returned" to **Customer 16** in **December 2015** but applicable to **January 2014** (i.e., almost two years earlier);

b. Identify the customer number assigned to this customer in each of the Company's last three DAC filings to facilitate the Division's ability to identify the data for the same customer in each year.

Response:

a. In June 2014, the Company assessed Customer 16 curtailment charges in the amounts of $3,419 and $12,748 for unauthorized gas used from December 31, 2013 through March 5, 2014. (See Docket No. 4573, Schedule SLN-6, page 4). However, upon further review, the Company determined that gas used during this period was the result of a small gas leak and not due to an unauthorized use by Customer 16. Therefore, in December 2015, the Company credited Customer 16 for those curtailment charges originally billed in June 2014. Attachment DIV 5-4 provides the details for the curtailment amounts returned to Customer 16.

b. The customer numbers are assigned to accounts and do not change in the annual DAC filings. The customer number assignment for this customer is Customer 16 in the last three DAC filings.

Assigned Customer #	Curtailment Date	Curtailment Use (ccf)	Curtailment Use (therm)	Curtailment Use Billed[1] (therm)	Pipeline	Daily Index (per Dth)	Penalty Multiplier	Curtailment Rate (per therm)	Curtailment Amount
(a)	(b)	(c1)	(c2) = (c1) x 1.034	(c) = (c2) x 1.0378	(d)	(e)	(f)	(g) = (e) x (f) / 10	(h) = (c) x (g)
16	12/31/2013	16	17	17	AGT	$24.76	5	$12.38	$212.56
16	1/1/2014	13	13	14	AGT	$19.18	5	$9.59	$133.78
16	1/2/2014	56	58	60	AGT	$19.18	5	$9.59	$576.29
16	1/3/2014	86	89	92	AGT	$29.26	5	$14.63	$1,350.13
16	1/4/2014	27	28	29	AGT	$16.16	5	$8.08	$234.10
16	1/6/2014	17	18	18	AGT	$16.16	5	$8.08	$147.40
16	1/7/2014	82	85	88	AGT	$35.80	5	$17.90	$1,575.07
16	1/8/2014	7	7	8	AGT	$25.45	5	$12.72	$95.55
16	1/21/2014	34	35	36	AGT	$23.63	5	$11.81	$430.89
16	1/22/2014	68	70	73	AGT	$55.54	5	$27.77	$2,026.37
16	1/23/2014	72	74	77	AGT	$75.48	5	$37.74	$2,915.87
16	1/24/2014	55	57	59	AGT	$35.50	5	$17.75	$1,047.60
16	1/25/2014	7	7	8	AGT	$43.70	5	$21.85	$164.13
16	1/26/2014	10	10	11	AGT	$43.70	5	$21.85	$234.47
16	1/27/2014	10	10	11	AGT	$43.70	5	$21.85	$234.47
16	1/28/2014	24	25	26	AGT	$73.03	5	$36.51	$940.28
16	1/29/2014	27	28	29	AGT	$29.63	5	$14.81	$429.09
			632	656					$12,748.06
16	2/6/2014	10	10	11	AGT	$25.97	5	$12.98	$139.29
16	2/7/2014	7	7	8	AGT	$23.83	5	$11.91	$89.46
16	2/8/2014	6	6	6	AGT	$23.02	5	$11.51	$74.11
16	2/9/2014	11	11	12	AGT	$23.02	5	$11.51	$135.86
16	2/10/2014	27	28	29	AGT	$23.02	5	$11.51	$333.48
16	2/11/2014	44	45	47	AGT	$27.76	5	$13.88	$655.35
16	2/12/2014	7	7	8	AGT	$23.22	5	$11.61	$87.21
16	2/26/2014	17	18	18	AGT	$28.28	5	$14.14	$257.95
16	2/27/2014	33	34	35	AGT	$29.66	5	$14.83	$525.16
16	2/28/2014	27	28	29	AGT	$30.85	5	$15.42	$446.77
16	3/1/2014	3	3	3	AGT	$31.98	5	$15.99	$51.48
16	3/3/2014	30	31	32	AGT	$31.98	5	$15.99	$514.76
16	3/5/2014	7	7	8	AGT	$28.71	5	$14.36	$107.87
			237	246					$3,418.74

[1] With Line Loss factor of 3.78%.

Division 5-5

Request:

Re: Schedule SLN-6, pages 4-5, please verify that during the period April 2015 through March 2016:

a. Only 11 customers had revenue subject to margin sharing;

b. Only 2 of the 11 customers for which revenue was subject to sharing those customers were billed under the Company's Non-Firm Sales Service, Rate 60.

Response:

Please see Attachment DIV 5-5, Line 3 for the total number of customers subject to margin sharing, which is 11 customers. Line 1 identifies the number of non-firm sales (Rate 60) customers (two customers) and Line 2 representing the number of non-firm transportation customers (nine customers). Please note that in November and December 2015, a residential customer was miscoded as a Rate 60 customer, which was corrected by January 2016.

Narragansett Gas Company
Rhode Island
Classified Sales

Line No.		Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
1	**Sub Total Non-Firm Sales (Special Contracts)**	2	2	2	2	2	2	2	3	3	2	2	2
2	**Sub Total Non-Firm Transportation**	9	9	9	9	9	9	9	9	9	9	9	9
3	**Total Non-Firm**	**11**	**11**	**11**	**11**	**11**	**11**	**11**	**12**	**12**	**11**	**11**	**11**

Line 1: November 2015 - December 2015 a residential customer was misclassed under Non-Firm Sales. The billing system was corrected as of January 2016.

Division 5-6

Request:

Re: Schedule SLN-6, pages 4-5, please identify each customer for whom revenues were subject to margin sharing during the period April 2015 through March 2016 that has migrated from non-firm to firm service subsequent to March 2016.

Response:

One non-firm customer is currently going through Chapter 7 bankruptcy proceedings and is no longer using gas.

Division 5-7

Request:

Re: Schedule SLN-6, please verify that:

a. A viable competitive market exists in Rhode Island for the provision of gas supply service to non-firm customers;

b. Any credit worthy non-firm customer served presently served under Rate 60 should be able to obtain multiple quotes for gas supply service from competitive suppliers if such quotes are sought.

Response:

a. The Company believes that a fairly competitive market exists in Rhode Island. There are only five certified marketers providing gas service in the Company's service territory. Under non-firm sales service, Rate 60, the Company currently supplies gas to only two customers.

b. The Company is not privy to quotes the two customers receiving service on Rate 60 are able to obtain for gas supply service from competitive suppliers. Therefore, the Company cannot verify that as long as these customers are credit worthy, they may be able to obtain multiple quotes from competitive suppliers if such quotes are sought. The Company can, however, confirm that there are only two third parties that maintain firm primary point capacity to the Company's citygates, as obtained from the Index of Customers on both the Algonquin and Tennessee Pipelines. The two suppliers are Direct Energy Business Marketing, LLC (Direct) and GDF Suez Gas NA LLC (GDF Suez). Direct maintains 35,455 dekatherms per day to the Dey Street citgyate in Providence, and GDF maintains 1,000 dekatherms per day to the Bristol/Warren citygate. No third party maintains primary point capacity to any of the Company's Tennessee Pipeline meter stations.