

February 24, 2016

BY HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4590 - Proposed FY 2017 Gas Infrastructure, Safety, and Reliability Plan
Response to Post-Hearing Data Request**

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed ten (10) copies of the Company's response to the Post-Hearing Data Request issued by the Public Utilities Commission in the above-referenced docket.

Thank you for your attention to this transmittal. If you have any questions, please contact me at (401) 784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4590 Service List
Leo Wold, Esq.
Steve Scialabba, Division

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 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.

Joanne M. Scanlon

February 26, 2016
Date

Docket No. 4590 - National Grid's FY 2017 Gas Infrastructure, Safety and Reliability (ISR) Plan - Service List 11/27/15

Name/Address	E-mail Distribution	Phone
Jennifer Brooks Hutchinson, Esq. National Grid. 280 Melrose St. Providence, RI 02907	jennifer.hutchinson@nationalgrid.com ; celia.obrien@nationalgrid.com ; Joanne.scanlon@nationalgrid.com ; John.nestor@nationalgrid.com ;	
David Iseler Melissa Little National Grid	David.Iseler@nationalgrid.com ; Melissa.Little@nationalgrid.com ; Suhila.NouriNutile@nationalgrid.com ;	
Leo Wold, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	Lwold@riag.ri.gov ; Steve.scialabba@dpuc.ri.gov ; James.lanni@dpuc.ri.gov ; John.spirito@dpuc.ri.gov ; Don.ledversis@dpuc.ri.gov ; dmacrae@riag.ri.gov ; jmunoz@riag.ri.gov ;	401-222-2424
David Effron Berkshire Consulting 12 Pond Path North Hampton, NH 03862-2243	Djeffron@aol.com ;	603-964-6526
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 ; Todd.bianco@puc.ri.gov ; Patricia.Lucarelli@puc.ri.gov ; Sharon.ColbyCamara@puc.ri.gov ;	401-780-2107
Christopher Kearns, OER	Christopher.Kearns@energy.ri.gov ; Danny.Musher@energy.ri.gov ; Nicholas.ucci@energy.ri.gov ;	

COMM-1

Request:

Please provide the bill impact to all rate classes of applying the additional \$1.9 million to the revenue requirement caused by the NOL. With this calculation please include the impact of any other NOL effects, such as the FY2015 vintage amount of approximately \$900,000 addressed by Melissa Little in her testimony on February 11, 2016.

Response:

In Attachment COMM-1-1, the Company has provided the FY 2017 ISR bill impacts including the additional increase of \$1.9 million resulting from the FY 2015 NOL. For the average residential heating customer utilizing 846 therms a year, the bill impact is an annual increase of \$29.37, or 2.6%. This represents an annual increase of \$5.78, or 0.5%, over the bill impact for the same residential heating customer previously filed on November 24, 2015 in Section 4, Attachment 2, Page 1, which was an annual increase of \$23.59, or 2.1%.

At the hearing, Company witness Melissa Little testified regarding the impact of the FY 2015 NOL on the FY 2015 ISR Plan and referenced an approximate \$900,000 adjustment. To further clarify Ms. Little's testimony, the Company is providing Attachment COMM-1-2 which summarizes the increases in revenue requirement resulting from the FY 2012 through FY 2015 NOLs. Page 2 of this attachment indicates when the revenue increase from the various NOL adjustments have been or will be recovered, either through the ISR factors taking effect on April 1 or through the ISR reconciliation factors taking effect on November 1. As shown on page 2, the Company will recover a \$965,000 increase to the FY 2015 revenue requirement associated with the FY 2015 NOL as part of the reconciliation of the FY 2016 ISR Plan (line 5, column (d)). Page 2 reflects the \$1,930,157 increase to the FY 2017 revenue requirement associated with the FY 2015 NOL, which would be recovered through the ISR factors illustrated in Attachment COMM-1-2 for the FY 2017 ISR Plan and would be effective on April 1, 2016 (line 7, column (c)), and which is reflected in the bill impacts presented in Attachment COMM-1-1 as described above. Any NOL offset included in ISR rate base is capped at the amount of deferred tax benefits generated in each ISR-year revenue requirement. This test is presented on Page 3 of Attachment COMM-1-2.

Line No.

	FY 2017 Revenue Requirement	Rate Class	Rate Base Allocator (%)	Allocation to Rate Class (\$)	Throughput (dth)	CapEx Factor (dth)	CapEx Factor (therm)	O&M Allocation (therm)	Total ISR Factor (therm)	Uncollectible %	ISR Factor (therm)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	\$23,085,294										
2	\$1,930,157										
3	\$25,015,451										
4	\$571,000										
5		Res-NH	3.73%	\$933,329	680,857	\$1.3708	\$0.1370	\$0.0014	\$0.1384	3.18%	\$0.1429
6		Res-H	61.56%	\$15,399,048	18,618,817	\$0.8270	\$0.0827	\$0.0014	\$0.0841	3.18%	\$0.0868
7		Small	8.19%	\$2,048,021	2,744,538	\$0.7462	\$0.0746	\$0.0014	\$0.0760	3.18%	\$0.0784
8		Medium	13.58%	\$3,397,931	6,208,427	\$0.5473	\$0.0547	\$0.0014	\$0.0561	3.18%	\$0.0579
9		Large LL	6.04%	\$1,510,178	2,976,064	\$0.5074	\$0.0507	\$0.0014	\$0.0521	3.18%	\$0.0538
10		Large HL	2.35%	\$588,946	1,217,231	\$0.4838	\$0.0483	\$0.0014	\$0.0497	3.18%	\$0.0513
11		XL-LL	0.77%	\$192,351	1,289,288	\$0.1491	\$0.0149	\$0.0014	\$0.0163	3.18%	\$0.0168
12		XL-HL	3.78%	\$945,647	6,070,062	\$0.1557	\$0.0155	\$0.0014	\$0.0169	3.18%	\$0.0174
13		Total	100.00%	\$25,015,451	39,805,284						

(a) Line 1: Proposed Capital Revenue Requirement & Forecasted Annual Property Tax Recovery Mechanism (Section 3, Attachment 1, Page 1, Line 8 + Line 9 filed November 24, 2015)

(a) Line 2: Revenue requirement due to NOL (Attachment COMM-1-1, Page 1, Line 7, Column (g))

(a) Line 3: Line 1 + Line 2

(a) Line 4: Proposed O&M (Section 3, Attachment 1, Page 1, Line 1 filed November 24, 2015)

(c) Docket 4323, RI 2012 Rate Case

(d) Column (a) Line 3 * Column (c)

(e) Page 2, Column (m), Line 9

(f) Column (d) / Column (e), truncated to 4 decimal places

(g) Column (d) / (Column (e)*10), truncated to 4 decimal places

(h) Column (a) Line 4 / (Column (e) Line 13 * 10)

(i) Column (g) + Column (h)

(j) Docket 4323, RI 2012 Rate Case

(k) Column (i) / (1- Column (j)), truncated to 4 decimal places

**National Grid - RI Gas
Infrastructure, Safety, and Reliability (ISR) Filing
Bill Impact Analysis with Various Levels of Consumption:**

Line No.	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:										
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET				
(1)																
(2)																
(3)																
(4)																
(5)	550	\$822.93	\$803.85	\$19.08	2.4%	\$0.00	\$0.00	\$0.00	\$18.51	\$0.00	\$0.00	\$0.57				
(6)	608	\$891.35	\$870.22	\$21.13	2.4%	\$0.00	\$0.00	\$0.00	\$20.50	\$0.00	\$0.00	\$0.63				
(7)	667	\$960.81	\$937.62	\$23.19	2.5%	\$0.00	\$0.00	\$0.00	\$22.49	\$0.00	\$0.00	\$0.70				
(8)	727	\$1,030.45	\$1,005.19	\$25.26	2.5%	\$0.00	\$0.00	\$0.00	\$24.50	\$0.00	\$0.00	\$0.76				
(9)	788	\$1,098.12	\$1,070.74	\$27.38	2.6%	\$0.00	\$0.00	\$0.00	\$26.56	\$0.00	\$0.00	\$0.82				
(10)	846	\$1,161.16	\$1,131.79	\$29.37	2.6%	\$0.00	\$0.00	\$0.00	\$28.49	\$0.00	\$0.00	\$0.88				
(11)	904	\$1,224.36	\$1,192.94	\$31.42	2.6%	\$0.00	\$0.00	\$0.00	\$30.48	\$0.00	\$0.00	\$0.94				
(12)	966	\$1,291.70	\$1,258.16	\$33.55	2.7%	\$0.00	\$0.00	\$0.00	\$32.54	\$0.00	\$0.00	\$1.01				
(13)	1,023	\$1,353.51	\$1,317.97	\$35.54	2.7%	\$0.00	\$0.00	\$0.00	\$34.47	\$0.00	\$0.00	\$1.07				
(14)	1,081	\$1,415.53	\$1,377.97	\$37.56	2.7%	\$0.00	\$0.00	\$0.00	\$36.43	\$0.00	\$0.00	\$1.13				
(15)	1,145	\$1,483.08	\$1,443.29	\$39.78	2.8%	\$0.00	\$0.00	\$0.00	\$38.59	\$0.00	\$0.00	\$1.19				

Residential Heating Low Income:

Line No.	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:										
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET				
(16)																
(17)																
(18)																
(19)																
(20)	550	\$780.44	\$761.36	\$19.08	2.5%	\$0.00	\$0.00	\$0.00	\$18.51	\$0.00	\$0.00	\$0.57				
(21)	608	\$846.12	\$824.99	\$21.13	2.6%	\$0.00	\$0.00	\$0.00	\$20.50	\$0.00	\$0.00	\$0.63				
(22)	667	\$912.80	\$889.62	\$23.19	2.6%	\$0.00	\$0.00	\$0.00	\$22.49	\$0.00	\$0.00	\$0.70				
(23)	727	\$979.72	\$954.47	\$25.26	2.6%	\$0.00	\$0.00	\$0.00	\$24.50	\$0.00	\$0.00	\$0.76				
(24)	788	\$1,044.94	\$1,017.56	\$27.38	2.7%	\$0.00	\$0.00	\$0.00	\$26.56	\$0.00	\$0.00	\$0.82				
(25)	846	\$1,105.76	\$1,076.39	\$29.37	2.7%	\$0.00	\$0.00	\$0.00	\$28.49	\$0.00	\$0.00	\$0.88				
(26)	904	\$1,166.76	\$1,135.34	\$31.42	2.8%	\$0.00	\$0.00	\$0.00	\$30.48	\$0.00	\$0.00	\$0.94				
(27)	966	\$1,231.75	\$1,198.20	\$33.55	2.8%	\$0.00	\$0.00	\$0.00	\$32.54	\$0.00	\$0.00	\$1.01				
(28)	1,023	\$1,291.41	\$1,255.87	\$35.54	2.8%	\$0.00	\$0.00	\$0.00	\$34.47	\$0.00	\$0.00	\$1.07				
(29)	1,081	\$1,351.32	\$1,313.77	\$37.56	2.9%	\$0.00	\$0.00	\$0.00	\$36.43	\$0.00	\$0.00	\$1.13				
(30)	1,145	\$1,416.64	\$1,376.86	\$39.78	2.9%	\$0.00	\$0.00	\$0.00	\$38.59	\$0.00	\$0.00	\$1.19				

Note: Bill impacts are based on rates approved and currently in effect as of November 1, 2015.

National Grid - RI Gas
Infrastructure, Safety, and Reliability (ISR) Filing
Bill Impact Analysis with Various Levels of Consumption:

Line
No.

Residential Non-Heating:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(31)															
(32)															
(33)															
(34)															
(35)	140	\$338.54	\$329.30	\$9.24	2.8%	\$0.00	\$0.00	\$8.96	\$0.00	\$0.00	\$0.00	\$0.28			
(36)	155	\$356.57	\$346.36	\$10.21	2.9%	\$0.00	\$0.00	\$9.90	\$0.00	\$0.00	\$0.00	\$0.31			
(37)	171	\$375.90	\$364.64	\$11.26	3.1%	\$0.00	\$0.00	\$10.92	\$0.00	\$0.00	\$0.00	\$0.34			
(38)	184	\$391.49	\$379.37	\$12.11	3.2%	\$0.00	\$0.00	\$11.75	\$0.00	\$0.00	\$0.00	\$0.36			
(39)	198	\$408.36	\$395.35	\$13.01	3.3%	\$0.00	\$0.00	\$12.62	\$0.00	\$0.00	\$0.00	\$0.39			
(40)	214	\$427.25	\$413.20	\$14.05	3.4%	\$0.00	\$0.00	\$13.63	\$0.00	\$0.00	\$0.00	\$0.42			
(41)	228	\$444.51	\$429.51	\$15.00	3.5%	\$0.00	\$0.00	\$14.55	\$0.00	\$0.00	\$0.00	\$0.45			
(42)	244	\$463.81	\$447.75	\$16.06	3.6%	\$0.00	\$0.00	\$15.58	\$0.00	\$0.00	\$0.00	\$0.48			
(43)	258	\$480.70	\$463.74	\$16.96	3.7%	\$0.00	\$0.00	\$16.45	\$0.00	\$0.00	\$0.00	\$0.51			
(44)	275	\$501.12	\$483.05	\$18.07	3.7%	\$0.00	\$0.00	\$17.53	\$0.00	\$0.00	\$0.00	\$0.54			
(45)	288	\$516.82	\$497.87	\$18.95	3.8%	\$0.00	\$0.00	\$18.38	\$0.00	\$0.00	\$0.00	\$0.57			

Residential Non-Heating Low Income:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(46)															
(47)															
(48)															
(49)															
(50)	140	\$316.12	\$306.88	\$9.24	3.0%	\$0.00	\$0.00	\$8.96	\$0.00	\$0.00	\$0.00	\$0.28			
(51)	155	\$333.47	\$323.27	\$10.21	3.2%	\$0.00	\$0.00	\$9.90	\$0.00	\$0.00	\$0.00	\$0.31			
(52)	171	\$352.08	\$340.82	\$11.26	3.3%	\$0.00	\$0.00	\$10.92	\$0.00	\$0.00	\$0.00	\$0.34			
(53)	184	\$367.08	\$354.96	\$12.11	3.4%	\$0.00	\$0.00	\$11.75	\$0.00	\$0.00	\$0.00	\$0.36			
(54)	198	\$383.32	\$370.31	\$13.01	3.5%	\$0.00	\$0.00	\$12.62	\$0.00	\$0.00	\$0.00	\$0.39			
(55)	214	\$401.50	\$387.45	\$14.05	3.6%	\$0.00	\$0.00	\$13.63	\$0.00	\$0.00	\$0.00	\$0.42			
(56)	228	\$418.10	\$403.10	\$15.00	3.7%	\$0.00	\$0.00	\$14.55	\$0.00	\$0.00	\$0.00	\$0.45			
(57)	244	\$436.69	\$420.63	\$16.06	3.8%	\$0.00	\$0.00	\$15.58	\$0.00	\$0.00	\$0.00	\$0.48			
(58)	258	\$452.94	\$435.98	\$16.96	3.9%	\$0.00	\$0.00	\$16.45	\$0.00	\$0.00	\$0.00	\$0.51			
(59)	275	\$472.59	\$454.52	\$18.07	4.0%	\$0.00	\$0.00	\$17.53	\$0.00	\$0.00	\$0.00	\$0.54			
(60)	288	\$487.70	\$468.76	\$18.95	4.0%	\$0.00	\$0.00	\$18.38	\$0.00	\$0.00	\$0.00	\$0.57			

Note: Bill impacts are based on rates approved and currently in effect as of November 1, 2015.

National Grid - RI Gas
Infrastructure, Safety, and Reliability (ISR) Filing
Bill Impact Analysis with Various Levels of Consumption:

Line
No.

C & I Small:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:								
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET		
(61)														
(62)														
(63)														
(64)														
(65)	880	\$1,329.21	\$1,305.48	\$23.73	1.8%	\$0.00	\$0.00	\$23.02	\$0.00	\$0.00	\$0.00	\$0.71		
(66)	973	\$1,426.19	\$1,399.90	\$26.29	1.9%	\$0.00	\$0.00	\$25.50	\$0.00	\$0.00	\$0.00	\$0.79		
(67)	1,067	\$1,523.43	\$1,494.58	\$28.86	1.9%	\$0.00	\$0.00	\$27.99	\$0.00	\$0.00	\$0.00	\$0.87		
(68)	1,162	\$1,619.27	\$1,587.89	\$31.38	2.0%	\$0.00	\$0.00	\$30.44	\$0.00	\$0.00	\$0.00	\$0.94		
(69)	1,258	\$1,710.39	\$1,676.42	\$33.97	2.0%	\$0.00	\$0.00	\$32.95	\$0.00	\$0.00	\$0.00	\$1.02		
(70)	1,352	\$1,798.53	\$1,762.02	\$36.52	2.1%	\$0.00	\$0.00	\$35.42	\$0.00	\$0.00	\$0.00	\$1.10		
(71)	1,446	\$1,887.44	\$1,848.39	\$39.05	2.1%	\$0.00	\$0.00	\$37.88	\$0.00	\$0.00	\$0.00	\$1.17		
(72)	1,542	\$1,977.55	\$1,935.92	\$41.63	2.2%	\$0.00	\$0.00	\$40.38	\$0.00	\$0.00	\$0.00	\$1.25		
(73)	1,635	\$2,065.00	\$2,020.85	\$44.14	2.2%	\$0.00	\$0.00	\$42.82	\$0.00	\$0.00	\$0.00	\$1.32		
(74)	1,730	\$2,153.28	\$2,106.56	\$46.72	2.2%	\$0.00	\$0.00	\$45.32	\$0.00	\$0.00	\$0.00	\$1.40		
(75)	1,825	\$2,241.57	\$2,192.26	\$49.31	2.2%	\$0.00	\$0.00	\$47.83	\$0.00	\$0.00	\$0.00	\$1.48		

C & I Medium:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:								
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET		
(76)														
(77)														
(78)														
(79)														
(80)	7,941	\$8,337.55	\$8,211.49	\$126.06	1.5%	\$0.00	\$0.00	\$122.28	\$0.00	\$0.00	\$0.00	\$3.78		
(81)	8,796	\$9,141.43	\$9,001.78	\$139.65	1.6%	\$0.00	\$0.00	\$135.46	\$0.00	\$0.00	\$0.00	\$4.19		
(82)	9,650	\$9,943.81	\$9,790.62	\$153.19	1.6%	\$0.00	\$0.00	\$148.59	\$0.00	\$0.00	\$0.00	\$4.60		
(83)	10,505	\$10,747.69	\$10,580.92	\$166.77	1.6%	\$0.00	\$0.00	\$161.77	\$0.00	\$0.00	\$0.00	\$5.00		
(84)	11,361	\$11,551.83	\$11,371.49	\$180.34	1.6%	\$0.00	\$0.00	\$174.93	\$0.00	\$0.00	\$0.00	\$5.41		
(85)	12,217	\$12,356.22	\$12,162.27	\$193.95	1.6%	\$0.00	\$0.00	\$188.13	\$0.00	\$0.00	\$0.00	\$5.82		
(86)	13,073	\$13,160.63	\$12,953.08	\$207.55	1.6%	\$0.00	\$0.00	\$201.32	\$0.00	\$0.00	\$0.00	\$6.23		
(87)	13,928	\$13,963.91	\$13,742.81	\$221.10	1.6%	\$0.00	\$0.00	\$214.47	\$0.00	\$0.00	\$0.00	\$6.63		
(88)	14,782	\$14,766.93	\$14,532.27	\$234.66	1.6%	\$0.00	\$0.00	\$227.62	\$0.00	\$0.00	\$0.00	\$7.04		
(89)	15,637	\$15,570.21	\$15,321.98	\$248.23	1.6%	\$0.00	\$0.00	\$240.78	\$0.00	\$0.00	\$0.00	\$7.45		
(90)	16,492	\$16,374.09	\$16,112.30	\$261.79	1.6%	\$0.00	\$0.00	\$253.94	\$0.00	\$0.00	\$0.00	\$7.85		

Note: Bill impacts are based on rates approved and currently in effect as of November 1, 2015.

National Grid - RI Gas
Infrastructure, Safety, and Reliability (ISR) Filing
Bill Impact Analysis with Various Levels of Consumption:

Line
No.

C & ILLF Large:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(91)															
(92)															
(93)															
(94)															
(95)	41,066	\$42,347.71	\$41,488.29	\$859.42	2.1%	\$0.00	\$0.00	\$833.64	\$0.00	\$0.00	\$0.00	\$25.78			
(96)	45,488	\$46,673.62	\$45,721.64	\$951.98	2.1%	\$0.00	\$0.00	\$923.42	\$0.00	\$0.00	\$0.00	\$28.56			
(97)	49,910	\$50,999.55	\$49,955.08	\$1,044.46	2.1%	\$0.00	\$0.00	\$1,013.13	\$0.00	\$0.00	\$0.00	\$31.33			
(98)	54,334	\$55,327.24	\$54,190.14	\$1,137.09	2.1%	\$0.00	\$0.00	\$1,102.98	\$0.00	\$0.00	\$0.00	\$34.11			
(99)	58,757	\$59,654.01	\$58,424.37	\$1,229.64	2.1%	\$0.00	\$0.00	\$1,192.75	\$0.00	\$0.00	\$0.00	\$36.89			
(100)	63,179	\$63,980.12	\$62,657.93	\$1,322.19	2.1%	\$0.00	\$0.00	\$1,282.52	\$0.00	\$0.00	\$0.00	\$39.67			
(101)	67,600	\$68,305.05	\$66,890.35	\$1,414.70	2.1%	\$0.00	\$0.00	\$1,372.26	\$0.00	\$0.00	\$0.00	\$42.44			
(102)	72,023	\$72,631.85	\$71,124.57	\$1,507.28	2.1%	\$0.00	\$0.00	\$1,462.06	\$0.00	\$0.00	\$0.00	\$45.22			
(103)	76,447	\$76,960.09	\$75,360.22	\$1,599.88	2.1%	\$0.00	\$0.00	\$1,551.88	\$0.00	\$0.00	\$0.00	\$48.00			
(104)	80,870	\$81,286.90	\$79,594.45	\$1,692.44	2.1%	\$0.00	\$0.00	\$1,641.67	\$0.00	\$0.00	\$0.00	\$50.77			
(105)	85,292	\$85,612.85	\$83,827.87	\$1,784.98	2.1%	\$0.00	\$0.00	\$1,731.43	\$0.00	\$0.00	\$0.00	\$53.55			

C & IHLF Large:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(106)															
(107)															
(108)															
(109)															
(110)	50,411	\$45,570.17	\$44,613.91	\$956.26	2.1%	\$0.00	\$0.00	\$927.57	\$0.00	\$0.00	\$0.00	\$28.69			
(111)	55,841	\$50,244.52	\$49,185.26	\$1,059.26	2.2%	\$0.00	\$0.00	\$1,027.48	\$0.00	\$0.00	\$0.00	\$31.78			
(112)	61,273	\$54,920.42	\$53,758.12	\$1,162.30	2.2%	\$0.00	\$0.00	\$1,127.43	\$0.00	\$0.00	\$0.00	\$34.87			
(113)	66,699	\$59,591.78	\$58,326.55	\$1,265.23	2.2%	\$0.00	\$0.00	\$1,227.27	\$0.00	\$0.00	\$0.00	\$37.96			
(114)	72,129	\$64,266.16	\$62,897.91	\$1,368.25	2.2%	\$0.00	\$0.00	\$1,327.20	\$0.00	\$0.00	\$0.00	\$41.05			
(115)	77,558	\$68,939.73	\$67,468.52	\$1,471.22	2.2%	\$0.00	\$0.00	\$1,427.08	\$0.00	\$0.00	\$0.00	\$44.14			
(116)	82,989	\$73,614.13	\$72,039.89	\$1,574.24	2.2%	\$0.00	\$0.00	\$1,527.01	\$0.00	\$0.00	\$0.00	\$47.23			
(117)	88,416	\$78,286.19	\$76,609.05	\$1,677.14	2.2%	\$0.00	\$0.00	\$1,626.83	\$0.00	\$0.00	\$0.00	\$50.31			
(118)	93,847	\$82,961.35	\$81,181.16	\$1,780.19	2.2%	\$0.00	\$0.00	\$1,726.78	\$0.00	\$0.00	\$0.00	\$53.41			
(119)	99,275	\$87,634.20	\$85,751.05	\$1,883.15	2.2%	\$0.00	\$0.00	\$1,826.66	\$0.00	\$0.00	\$0.00	\$56.49			
(120)	104,705	\$92,308.61	\$90,322.40	\$1,986.21	2.2%	\$0.00	\$0.00	\$1,926.62	\$0.00	\$0.00	\$0.00	\$59.99			

Note: Bill impacts are based on rates approved and currently in effect as of November 1, 2015.

National Grid - RI Gas
Infrastructure, Safety, and Reliability (ISR) Filing
Bill Impact Analysis with Various Levels of Consumption:

Line
No.

C & ILLF Extra-Large:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(121)															
(122)															
(123)															
(124)															
(125)	174,357	\$141,314.90	\$140,631.88	\$683.02	0.5%	\$0.00	\$0.00	\$0.00	\$662.53	\$0.00	\$0.00	\$0.00	\$0.00	\$20.49	
(126)	193,136	\$155,967.49	\$155,210.89	\$756.61	0.5%	\$0.00	\$0.00	\$0.00	\$733.91	\$0.00	\$0.00	\$0.00	\$0.00	\$22.70	
(127)	211,912	\$170,618.02	\$169,787.86	\$830.15	0.5%	\$0.00	\$0.00	\$0.00	\$805.25	\$0.00	\$0.00	\$0.00	\$0.00	\$24.90	
(128)	230,688	\$185,269.16	\$184,365.45	\$903.71	0.5%	\$0.00	\$0.00	\$0.00	\$876.60	\$0.00	\$0.00	\$0.00	\$0.00	\$27.11	
(129)	249,466	\$199,921.11	\$198,943.83	\$977.28	0.5%	\$0.00	\$0.00	\$0.00	\$947.96	\$0.00	\$0.00	\$0.00	\$0.00	\$29.32	
(130)	268,243	\$214,572.23	\$213,521.39	\$1,050.85	0.5%	\$0.00	\$0.00	\$0.00	\$1,019.32	\$0.00	\$0.00	\$0.00	\$0.00	\$31.53	
(131)	287,018	\$229,222.21	\$228,097.81	\$1,124.40	0.5%	\$0.00	\$0.00	\$0.00	\$1,090.67	\$0.00	\$0.00	\$0.00	\$0.00	\$33.73	
(132)	305,796	\$243,874.77	\$242,676.82	\$1,197.95	0.5%	\$0.00	\$0.00	\$0.00	\$1,162.01	\$0.00	\$0.00	\$0.00	\$0.00	\$35.94	
(133)	324,573	\$258,525.97	\$257,254.47	\$1,271.49	0.5%	\$0.00	\$0.00	\$0.00	\$1,233.35	\$0.00	\$0.00	\$0.00	\$0.00	\$38.14	
(134)	343,350	\$273,177.17	\$271,832.08	\$1,345.09	0.5%	\$0.00	\$0.00	\$0.00	\$1,304.74	\$0.00	\$0.00	\$0.00	\$0.00	\$40.35	
(135)	362,127	\$287,828.45	\$286,409.80	\$1,418.65	0.5%	\$0.00	\$0.00	\$0.00	\$1,376.09	\$0.00	\$0.00	\$0.00	\$0.00	\$42.56	

C & IHLF Extra-Large:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(136)															
(137)															
(138)															
(139)															
(140)	447,421	\$330,931.17	\$328,809.37	\$2,121.80	0.6%	\$0.00	\$0.00	\$0.00	\$2,058.15	\$0.00	\$0.00	\$0.00	\$0.00	\$63.65	
(141)	495,605	\$366,002.52	\$363,652.22	\$2,350.30	0.6%	\$0.00	\$0.00	\$0.00	\$2,279.79	\$0.00	\$0.00	\$0.00	\$0.00	\$70.51	
(142)	543,789	\$401,074.74	\$398,495.93	\$2,578.80	0.6%	\$0.00	\$0.00	\$0.00	\$2,501.44	\$0.00	\$0.00	\$0.00	\$0.00	\$77.36	
(143)	591,972	\$436,145.38	\$433,338.10	\$2,807.28	0.6%	\$0.00	\$0.00	\$0.00	\$2,723.06	\$0.00	\$0.00	\$0.00	\$0.00	\$84.22	
(144)	640,155	\$471,216.13	\$468,180.35	\$3,035.78	0.6%	\$0.00	\$0.00	\$0.00	\$2,944.71	\$0.00	\$0.00	\$0.00	\$0.00	\$91.07	
(145)	688,340	\$506,288.65	\$503,024.35	\$3,264.30	0.6%	\$0.00	\$0.00	\$0.00	\$3,166.37	\$0.00	\$0.00	\$0.00	\$0.00	\$97.93	
(146)	736,523	\$541,359.66	\$537,866.87	\$3,492.79	0.6%	\$0.00	\$0.00	\$0.00	\$3,388.01	\$0.00	\$0.00	\$0.00	\$0.00	\$104.78	
(147)	784,708	\$576,431.73	\$572,710.43	\$3,721.30	0.6%	\$0.00	\$0.00	\$0.00	\$3,609.66	\$0.00	\$0.00	\$0.00	\$0.00	\$111.64	
(148)	832,891	\$611,503.22	\$607,553.43	\$3,949.78	0.7%	\$0.00	\$0.00	\$0.00	\$3,831.29	\$0.00	\$0.00	\$0.00	\$0.00	\$118.49	
(149)	881,074	\$646,573.98	\$642,395.68	\$4,178.30	0.7%	\$0.00	\$0.00	\$0.00	\$4,052.95	\$0.00	\$0.00	\$0.00	\$0.00	\$125.35	
(150)	929,259	\$681,646.75	\$677,239.98	\$4,406.77	0.7%	\$0.00	\$0.00	\$0.00	\$4,274.57	\$0.00	\$0.00	\$0.00	\$0.00	\$132.20	

Note: Bill impacts are based on rates approved and currently in effect as of November 1, 2015.

The Narragansett Electric Company
d/b/a National Grid
FY 2017 Gas ISR Plan Revenue Requirement
Revenue Requirement Impact of Vintage FY 2012 through FY 2015 Net Operating Losses ("NOL")

	(a)	(b)	(c)	(d)	(e)	(f)	
	Revenue Requirement Year						
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	
1	Return on Rate Base	11.41%	11.18%	10.05%	10.05%	10.05%	10.05%
	Vintage Capital Investment Year						
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	
2	Lesser of NOL or DIT Provision	\$ 6,268,061	\$ 6,136,520	\$ 18,024,218	\$ 19,205,538	TBD	TBD
							(h)=(d)+(e)+(f)+(g)
	(a)	(b)	(c)	(d)=(a)+(b)+(c)	(e)	(f)	(g)
	Revenue Requirement Year						
	FY 2012	FY 2013	FY 2014	Subtotal	FY 2015	FY 2016	FY 2017
3	Vintage Capital Investment Year						TOTAL
3	FY 2012	\$ 357,593	\$ 700,769	\$ 629,940	\$ 1,688,302	\$ 629,940	\$ 629,940
4	FY 2013	\$ -	\$ 343,031	\$ 616,720	\$ 959,752	\$ 616,720	\$ 616,720
5	FY 2014	\$ -	\$ -	\$ 888,311	\$ 888,311	\$ 1,811,434	\$ 1,811,434
6	Subtotal - Revenue requirement impact associated with vintage FY 2012 through FY 2014 NOL	\$ 357,593	\$ 1,043,801	\$ 2,134,971	\$ 3,536,365	\$ 3,058,094	\$ 3,058,094
7	FY 2015				\$ 965,078	\$ 1,930,157	\$ 1,930,157
8	TOTAL - Revenue requirement impact associated with vintage FY 2012 through FY 2015 NOL	\$ 357,593	\$ 1,043,801	\$ 2,134,971	\$ 3,536,365	\$ 4,023,173	\$ 4,988,251
							\$ 17,536,039

Line Notes:

- 1 Col (a) - per Docket 4219, Attachment WRR-1 at Page 2; Col (b) - per Docket 4306, Attachment WRR-1 at Page 2; Cols(c)-(f) - per Docket 4323.
- 2 Per Page 3, Line 10
- 3 Cols (a)-(c) : Line 2(a) * Line 1(a) * 50%; Line 2(a) * Line 1(b); Line 2(a) * Line 1(c). Cols (e)-(g): Line 2(a) * Line 1(d); Line 2(a) * Line 1(e); Line 2(a) * Line 1(f)
- 4 Cols (b)-(c): Line 2(b) * Line 1(b) * 50%; Line 2(b) * Line 1(c). Cols (e)-(g): Line 2(b) * Line 1(d); Line 2(b) * Line 1(e); Line 2(b) * Line 1(f)
- 5 Col (c) =

a) NOL applied to FY 2014 ISR DIT	\$ 6,444,262	RIPUC Docket No. 4474, Attachment MAL-1, Page 4 of 17, Line 17
b) FY 2014 ISR weighted average additions rate	32.34%	RIPUC Docket No. 4474, Attachment MAL-1, Page 16 of 17, Line 16
c) FY 2014 ISR weighted average NOL	\$ 2,083,939	Line (a) * Line (b)
d) FY 2014 Rate of Return	10.05%	Line 1(c) above
e) FY 2014 Return on weighted average ISR NOL	\$ 209,436	Line (c) * Line (d)
f) NOL applied to base rate deferred tax provision	\$ 11,579,956	Page 2, Line 10(h) less Line (a) above
g) FY 2014 weighted average base rate DIT rate	58.33%	RIPUC Docket No. 4474, Attachment MAL-1, Page 17 of 17, Line 15
h) FY 2014 base rate weighted average NOL	\$ 6,754,974	Line (f) * Line (g)
i) FY 2014 Rate of Return	10.05%	Line 1
j) FY 2014 Return on weighted average base rate NOL	\$ 678,875	Line (h) * Line (i)
k) Total FY 2014 NOL impact on vintage FY 2014 investment	\$ 888,311	Line (e) + Line (j)
- 5 cont. Col (e)-(g) = Line 2(c) * Line 1(d); Line 2(c) * Line 1(e); Line 2(c) * Line 1(f)
- 6 Sum of Lines 3 through 5
- 7 Col (e)-(g): Line 2(d) * Line 1(d) * 50%; Line 2(d) * Line 1(e); Line 2(d) * Line 1(f)
- 8 Line 6 + Line 7

The Narragansett Electric Company
d/b/a National Grid
FY 2017 Gas ISR Plan Revenue Requirement

Recovery of Approved and Revised Revenue Requirement Impacts Associated with Vintage FY 2012 through FY 2015 Net Operating Losses ("NOL")

	(a)	(b)	(c)	(d)	(e)	(f)
	FY 2016	FY 2015	FY 2017	FY 2016	FY 2017	TOTAL
	<u>Plan</u>	<u>Reconciliation</u>	<u>Plan</u>	<u>Reconciliation</u>	<u>Reconciliation</u>	<u>TOTAL</u>
	Apr 1, 2015 - Mar 31, 2016	Nov 1, 2015 - Oct 31, 2016	Apr 1, 2016 - Mar 31, 2017	Nov 1, 2016 - Oct 31, 2017	Nov 1, 2017 - Oct 31, 2018	
Rates Effective						
<u>Vintage FY 2012 through FY 2014 NOL</u>						
1	FY 2012 through FY 2014 revenue requirement	\$1,178,788		\$1,178,788	\$1,178,789	\$3,536,365
2	FY 2015 revenue requirement	\$3,058,094				\$3,058,094
3	FY 2016 revenue requirement	\$3,058,094				\$3,058,094
4	FY 2017 revenue requirement		\$3,058,094			\$3,058,094
<u>Vintage FY 2015 NOL</u>						
5	FY 2015 revenue requirement			\$965,078		\$965,078
6	FY 2016 revenue requirement			\$1,930,157		\$1,930,157
7	FY 2017 revenue requirement		\$1,930,157			\$1,930,157
<u>Vintage FY 2016 NOL</u>						
8	FY 2016 revenue requirement				TBD	TBD
9	FY 2017 revenue requirement				TBD	TBD
10	Total	\$3,058,094	\$4,236,882	\$4,988,251	\$4,074,023	\$1,178,789
						\$17,536,039

Line Notes:

- 1-2 Per RIPUC Docket 4474
- 3 Per RIPUC Docket 4540
- 4 Per RIPUC Docket 4590
- 5-6 Per Page 1, Line 7(d) & 7(e)
- 7 Per Page 1, Line 7(f). Recovery period shown is as proposed by the Company.
- 8-9 NOL impact is unknown until the Company files its FY 2016 tax return in December 2016.
- 10 Sum of Lines 1 through 9

The Narragansett Electric Company
d/b/a National Grid
FY 2017 Gas ISR Plan Revenue Requirement
Deferred Income Tax ("DIT") Provisions and Net Operating Losses ("NOL")

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
						CY 2011	CY 2012	Jan-2013	Feb 13 - Jan 14	
1 Total Base Rate Plant DIT Provision						\$ 16,572,023	\$ 19,058,494	\$ 1,700,343	\$ 13,893,167	
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
2 Total Base Rate Plant DIT Provision						\$17,193,641	\$18,309,741	\$11,577,639	\$0	\$0
3 Incremental FY 12	\$1,121,846	\$1,080,717	\$1,038,476	\$995,209	\$950,991	\$1,121,846	(\$41,129)	(\$42,241)	(\$43,267)	(\$44,218)
4 Incremental FY 13	\$0	(\$734,732)	(\$690,174)	(\$645,408)	(\$600,451)	\$0	(\$734,732)	\$44,558	\$44,766	\$44,957
5 Incremental FY 14	\$0	\$0	\$6,444,262	\$6,266,976	\$6,084,229	\$0	\$0	\$6,444,262	(\$177,286)	(\$182,747)
6 FY 2015	\$0	\$0	\$0	\$21,522,102	\$21,086,976	\$0	\$0	\$0	\$21,522,102	(\$435,126)
7 FY 2016	\$0	\$0	\$0	\$0	\$18,984,844	\$0	\$0	\$0	\$0	\$18,984,844
8 TOTAL Plant DIT Provision	\$ 1,121,846	\$ 345,985	\$ 6,792,564	\$ 28,138,879	\$ 46,506,589	\$ 18,315,487	\$ 17,533,880	\$ 18,024,218	\$ 21,346,315	\$ 18,367,710
9 NOL						\$ 6,268,061	\$ 6,136,520	\$ 23,775,494	\$ 19,205,538	TBD
10 Lesser of NOL or DIT Provision						\$ 6,268,061	\$ 6,136,520	\$ 18,024,218	\$ 19,205,538	TBD

Column Notes:

Cols (a)-(c) & (f)-(h) - per Docket 4590 Exhibit 1-DGI, Section 3, Attachment 1, Page 18 of 20

Line Notes:

- 1(f) Per Dkt 4323 Compliance filing Attachment 6, Page 59 of 65, Line 18(e) less Line 18(a)
- 1(g)-1(i) Per Dkt 4323 Compliance filing Attachment 6, Page 64 of 65, Lines 32, 38, and 44
- 2 Col (f)= Line 1(f) * 75% + Line 1(g) * 25% ; Col (g)= Line 1(g) * 75% + Line 1(h) + Line 1(i) * 2/12ths; Col (h) = Line 1(i) * 10/12ths
- 3(d)-7(e) Cumulative DIT per vintage year ISR revenue requirement calculations (Docket 4590 Exhibit 1-DGI, Sec 3 Attachment 1, Pages 4 and 6 of 20)
- 3(i) -7(j) Year over year change in cumulative DIT shown in Cols (a) through (e)
- 8 Sum of Lines 2 through 7
- 9 Per Tax dept
- 10 Lesser of Line 8 or Line 9