

September 14, 2016

BY HAND DELIVERY AND ELECTRONIC MAIL

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

**RE: Docket 4637 - Revised Electric Pension Adjustment Factor Filing
For the Twelve-Month Period Ending March 31, 2016**

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed ten copies of the Company's responses to the first set of data requests issued by the Rhode Island Division of Public Utilities and Carriers in the above-referenced docket.

Thank you for your attention to this filing. If you have any questions, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 4637 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

September 14, 2016

Date

**Docket No. 4637 National Grid's Electric 2016 Pension Adjustment Factor
Service List as of 8/5/16**

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The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4637
2016 Electric Pension Adjustment Factor Filing
Responses to the Division's First Set of Data Requests
Issued on August 24, 2016

Division 1-1

Request:

Please provide Revised Schedule WRR-1 in Excel spreadsheet format.

Response:

Please see attachment DIV-1-1 (ELEC) for the excel version of Revised Schedule WRR-1.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4637
2016 Electric Pension Adjustment Factor Filing
Responses to the Division's First Set of Data Requests
Issued on August 24, 2016

Division 1-2

Request:

Referring to Revised Schedule WRR-1, Page 1, please provide supporting documentation for the Current Year actual Pension Expense Direct, Current Year actual Service Company Allocated Pension Expense, and Current Year actual Affiliated Allocated Pension Expense.

Response:

Please see Attachment DIV 1-2 (ELEC) for the supporting documentation as follows:

- Current year actual pension expense direct: Column (d), line 15 and Column (g), line 15;
- Service Company allocated pension expense: Column (d), line 16 and Column (g), line 16;
and
- Affiliated allocated pension expense: Column (d), line 17 and Column (g), line 17.

The Narragansett Electric Company
d/b/a National Grid
Pension Costs - BI 4505
FY 2016

Pension Costs charged to Narragansett Electric Company - (ELEC)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
L03 Cost Type G/L Account - Key Receiving Segment - Key	Pensions (Multiple Items)	Sum of CAPEX - Amount	Sum of COR - Amount	Sum of OPEX - Amount	Sum of Other Balance Sheet - Amount	Total CapEx	Total OpEx	Total Amount
1	Row Labels	7,506,387.96	983,869.63	13,388,954.06	322,528.39	8,812,785.98	13,388,954.06	22,201,740.04
2	Narragansett Electric Co							
3	Boston Gas Company		938.94	938.94		-	938.94	938.94
4	Brooklyn Union Gas-KEDNY	23.61	3,858.46	3,858.46		23.61	3,858.46	3,882.07
5	Colonial Gas Company	528.86	220.34	220.34		528.86	220.34	749.20
6	KS Gas East Corp-KEDLI		2,158.32	2,158.32		-	2,158.32	2,158.32
7	Massachusetts Electric Co	155,914.59	24,179.45	164,301.59	231.29	180,325.33	164,301.59	344,626.92
8	Nantucket Electric Co	129.95	33.59	348.79		163.54	348.79	512.33
9	Narragansett Electric Co	4,042,019.53	886,731.28	4,979,658.79	134,338.24	5,063,089.05	4,979,658.79	10,042,747.84
10	NG Engineering Svcs, LLC			14,587.49		-	14,587.49	14,587.49
11	NG LNG LP Regulated Entity			4.02		-	4.02	4.02
12	NGUSA Service Company	3,176,513.67	63,693.65	8,008,904.76	176,917.07	3,417,124.39	8,008,904.76	11,426,029.15
13	Niagara Mohawk Power Corp	131,257.76	9,231.66	213,972.54	11,041.78	151,531.20	213,972.54	365,503.75
14	Grand Total	7,506,387.96	983,869.63	13,388,954.06	322,528.39	8,812,785.98	13,388,954.06	22,201,740.04
15	Direct	4,042,019.53	886,731.28	4,979,658.79	134,338.24	5,063,089.05	4,979,658.79	10,042,747.84
16	NGrid ServCo	3,176,513.67	63,693.65	8,008,904.76	176,917.07	3,417,124.39	8,008,904.76	11,426,029.15
17	Affiliates	287,854.77	33,444.70	400,390.50	11,273.07	332,572.54	400,390.50	732,963.04

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4637
2016 Electric Pension Adjustment Factor Filing
Responses to the Division's First Set of Data Requests
Issued on August 24, 2016

Division 1-3

Request:

Referring to Revised Schedule WRR-1, Page 2, please provide supporting documentation for the Current Year actual PBOP Expense Direct, Current Year actual Service Company Allocated PBOP Expense, and Current Year actual Affiliated Allocated PBOP Expense.

Response:

Please see Attachment DIV 1-3 (ELEC) for supporting documentation as follows:

- Current year actual PBOP expense direct: Column (d), line 15 and Column (g), line 15;
- Service Company allocated PBOP expense: Column (d), line 16 and Column (g), line 16; and
- Affiliated allocated PBOP expense: Column (d), line 17 and Column (g), line 17.

The Narragansett Electric Company
d/b/a National Grid
PBOP Costs - BI 4505
FY 2016

PBOP Costs charged to Narragansett Electric Company - (ELEC)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
	LO3 Cost Type G/L Account - Key Receiving Segment - Key	OPEB (Multiple Items) (Multiple Items)	Sum of CAPEX - Amount	Sum of COR - Amount	Sum of OPEX - Amount	Sum of Other Balance Sheet - Amount	Total CapEx	Total OpEx	Total Amount
1	Row Labels								
2	Narragansett Electric Co	2,814,424.63	362,421.47	4,991,796.95	127,707.62	3,304,553.71	4,991,796.95	8,296,350.66	
3	Boston Gas Company			325.69		-	325.69	325.69	
4	Brooklyn Union Gas-KEDNY	6.69		1,139.45		6.69	1,139.45	1,146.14	
5	Colonial Gas Company	127.66		51.16		127.66	51.16	178.82	
6	KS Gas East Corp-KEDLI			1,832.76		-	1,832.76	1,832.76	
7	Massachusetts Electric Co	32,872.21	5,382.05	34,762.48	47.77	38,302.03	34,762.48	73,064.51	
8	Nantucket Electric Co	77.97	20.15	174.95		98.12	174.95	273.07	
9	Narragansett Electric Co	1,470,531.93	322,602.76	1,811,655.58	48,873.76	1,842,008.44	1,811,655.58	3,653,664.02	
10	NG Engineering Svcs, LLC			9,449.84		-	9,449.84	9,449.84	
11	NG LNG LP RegulatedEntity			1.82		-	1.82	1.82	
12	NGUSA Service Company	1,131,833.40	22,809.99	2,844,215.50	63,310.03	1,217,953.42	2,844,215.50	4,062,168.92	
13	Niagara Mohawk Power Corp	178,974.78	11,606.51	288,187.72	15,476.06	206,057.35	288,187.72	494,245.06	
14	Grand Total	2,814,424.63	362,421.47	4,991,796.95	127,707.62	3,304,553.71	4,991,796.95	8,296,350.66	
15	Direct	1,470,531.93	322,602.76	1,811,655.58	48,873.76	1,842,008.44	1,811,655.58	3,653,664.02	
16	NGrid ServCo	1,131,833.40	22,809.99	2,844,215.50	63,310.03	1,217,953.42	2,844,215.50	4,062,168.92	
17	Affiliate	212,059.30	17,008.71	335,925.87	15,523.83	244,591.85	335,925.87	580,517.72	

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4637
2016 Electric Pension Adjustment Factor Filing
Responses to the Division's First Set of Data Requests
Issued on August 24, 2016

Division 1-4

Request:

Referring to Revised Schedule WRR-1, Page 3, please reconcile the Direct Pension Capitalized Amount of \$567,647 for the March 2015 quarter to the Direct Pension Capitalized Amount of \$1,255,008 for the March 2015 quarter on Schedule WRR-1, Page 3, in Docket No. 4518.

Response:

On October 13, 2015, the Company submitted a revised Schedule WRR-1 for Docket No. 4518. Please see Attachment DIV-1-4 (ELEC) for the revised Schedule WRR-1 for Docket No. 4518, which reflects the Direct Pension Capitalized Amount of \$567,647.

**Narragansett Electric - Electric Operations
Pension Costs
12 Months Ended March 31, 2015**

<u>Line No.</u>		<u>April 2014 thru March 2015</u>
1	<u>Rate Allowance:</u>	
2	National Grid - RI Electric Pension Costs Allowance ¹	\$4,100,051
3	National Grid - Service Company Allocated Pension Costs Allowance	\$3,623,508
4	Total Pension Costs	\$7,723,559
5	<u>Expense Reconciliation:</u>	
6	Current Year actual Pension Expense Direct	\$2,804,825
7	Current Year actual Service Company Allocated Pension Expense	\$6,006,439
8	Current Year actual Affiliated Allocated Pension Expense	\$156,459
9	Total Current Year Pension Expense	\$8,967,724
10	Rate Allowance	\$7,723,559
11	Current Year Pension Expense Reconciliation	\$1,244,165
12	Prior Year Pension Expense Reconciliation	\$623,723
13	Total Pension Expense Reconciliation	\$1,867,888
14	Funding Carrying Charge	\$0

Line Notes:

- 2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 26 (k) less line 24 (k)
- 3 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 26 (l) thru 26 (n)
- 4 Line 2 plus Line 3
- 6-8 Per Company Books
- 10 Line 4
- 11 Line 9 minus Line 10
- 12 Docket No. 4518 Schedule WRR-1 page 2 of 8 line 14(a). The net pension and OPEB under recovery in Docket No. 4518 was too small to generate a rate impact, and the PUC approved the Company's proposal to carry forward the FY 2014 reconciliation balances into the pension and OPEB reconciliation filing for the 12 months ended March 31, 2015.
- 13 Line 11 plus Line 12
- 14 Minus Page 3 of 4 Line 26 (f)

¹ Pension rate allowance for purposes of this reconciliation excludes the 10-year recovery of pension and OPEB costs from Docket No. 3617 of \$2,511,132. This recovery ended on December 31, 2013. The amount of amortization of these pension and OPEB costs is also excluded from the expense amount shown on Line 6 above.

**Narragansett Electric - Electric Operations
Other Post Employment Benefits (OPEB) Costs
12 Months Ended March 31, 2015**

<u>Line No.</u>		<u>April 2014 thru March 2015</u>
1	<u>Rate Allowance</u>	
2	National Grid - RI Electric OPEB Costs Allowance	\$1,813,275
3	National Grid - Service Company Allocated OPEB Costs Allowance	\$1,728,301
4	Total OPEB Costs	\$3,541,576
5	<u>Expense Reconciliation</u>	
6	Current Year actual OPEB Expense Direct	\$748,638
7	Current Year actual Service Company Allocated OPEB Expense	\$2,209,551
8	Current Year actual Affiliated Allocated OPEB Expense	\$110,898
9	Total Current Year OPEB Expense	\$3,069,087
10	Rate Allowance	\$3,541,576
11	Current Year OPEB Expense Reconciliation	(\$472,489)
12	Prior Year OPEB Expense Reconciliation	(503,518)
13	Total OPEB Expense Reconciliation	(\$976,007)
14	Funding Carrying Charge	\$0

Line Notes:

- 2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71 line 1(e)
- 3 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71 sum of lines 2(e) through 5(e)
- 4 Line 2 plus Line 3
- 6-8 Per Company Books
- 10 Line 4
- 11 Line 9 minus Line 10
- 12 Docket No. 4518 Schedule WRR-1 page 2 of 8 line 14(a). The net pension and OPEB under recovery in Docket No. 4518 was too small to generate a rate impact, and the PUC approved the Company's proposal to carry forward the FY 2014 reconciliation balances into the pension and OPEB reconciliation filing for the 12 months ended March 31, 2015.
- 13 Line 11 plus Line 12
- 14 Minus Page 4 of 4 Line 25(f)

**Narragansett Electric - Electric Operations
Pension Funding Carrying Charges-quarterly
12 Months Ended March 31, 2015**

	(a) Dkt 4323	(b) Mar-2014	(c) Jun-2014	(d) Sep-2014	(e) Dec-2014	(f) Mar-2015
Customer Funding						
1 Base Rate Recovery:						
2 Direct	\$4,100,051	\$1,025,013	\$1,025,013	\$1,025,013	\$1,025,013	\$1,025,013
3 Servco	\$3,623,508	\$905,877	\$905,877	\$905,877	\$905,877	\$905,877
Recovery of Pension and OPEB per						
4 R.I.P.U.C Docket No. 3617	\$2,511,132	\$0	\$0	\$0	\$0	\$0
5						
6 PAM Surcharge Recovery:		\$0	\$0	\$0	\$0	\$0
7 Pension Capitalized Amount:						
8 Direct		\$721,486	\$743,187	\$807,707	\$793,273	\$567,647
9 Servco/Other Affiliates		\$469,981	\$645,238	\$588,262	\$695,972	\$712,817
10						
11 Total Customer Funding:		\$3,122,357	\$3,319,315	\$3,326,859	\$3,420,135	\$3,211,353
12						
13 Company Contributions¹		Jun-2014	Sep-2014	Dec-2014	Mar-2015	Jun-2015
14 Pension		\$1,845,250	\$1,845,250	\$3,690,500	\$0	\$3,510,000
15						
16 Service Company Allocated Costs		\$1,375,858	\$1,551,115	\$1,494,139	\$1,601,849	\$1,618,694
17 Total Contributions		\$3,221,108	\$3,396,365	\$5,184,639	\$1,601,849	\$5,128,694
18						
19 Under/(Over) Funding		(\$98,751)	(\$77,050)	(\$1,857,780)	\$1,818,286	(\$1,917,341)
20						
21 Cumulative Under/(Over) Funding		(\$1,500,440)	(\$1,577,490)	(\$3,435,270)	(\$1,616,984)	(\$3,534,324)
22 Five Quarter Average						(\$2,332,901)
23						
24 Base for Carrying Charge (greater of line 22 or zero)						\$0
25 Pre-tax WACC						9.68%
26 Carrying Charge						\$0

Company Contributions¹-This amount represents dollars funded in the subsequent quarter

Line Notes

- 2(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 1(e)
- 2(b)-2(f) Line 2(a) divided by 12 times 3
- 3(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 2(e) thru 5(e)
- 3(b)-3(f) Line 3(a) divided by 12 times 3
- 4(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 24(p)
- 6(e)-6(f) Previous Year's Reconciliation divided by 3
- 8(b)-8(f) Per Company Books
- 9(b)-9(f) Per Company Books
- 10(b)-10(f) Page 5 of 6, Line 13(a)-26(a)
- 9(c)-9(b) Page 7 of 8, (Line 6(b) plus Line 6(d)) divided by 4
- 11 Sum of Line 2 through Line 9
- 14 Per Company Books
- 16 Line 3 plus Line 9
- 17 Sum of line 14 through line 16
- 19 Line 11 minus line 17
- 21 Current year line 19 plus prior year line 21
- 22 Average of column (b) through column (f)
- 24 If line 22 is greater than zero, line 22 if not, zero
- 25 Docket No. 4323
- 26 Line 24 times line 25

Narragansett Electric - Electric Operations
OPEB Funding - Carrying Charges-quarterly
12 Months Ended March 31, 2015

	(a)	(b)	(c)	(d)	(e)	(f)
	Dkt 4323	Mar-2014	Jun-2014	Sep-2014	Dec-2014	Mar-2015
Customer Funding						
1 Base Rate Recovery:						
2 Direct	\$1,813,275	\$453,319	\$453,319	\$453,319	\$453,319	\$453,319
3 Servco	\$1,728,301	\$432,075	\$432,075	\$432,075	\$432,075	\$432,075
4						
5 PAM Surcharge Recovery:		\$0	\$0	\$0	\$0	\$0
6 OPEB Capitalized Amount:						
7 Direct		\$163,970	\$199,568	\$217,814	\$214,129	\$152,669
8 Servco/Other Affiliates		\$176,411	\$230,474	\$277,898	\$357,296	\$262,200
9						
10 Total Customer Funding:		1,225,775	1,315,436	1,381,106	1,456,819	1,300,263
11						
12 Company Contributions¹		Jun-2014	Sep-2014	Dec-2014	Mar-2015	Jun-2015
13						
14 OPEB		\$425,365	\$422,750	\$422,750	\$422,750	\$443,250
15 ServCo/Other Affiliates Allocated Costs		\$608,486	\$662,549	\$709,973	\$789,371	\$694,275
16		\$1,033,852	\$1,085,299	\$1,132,723	\$1,212,121	\$1,137,525
17						
18 Under/(Over) Funding		\$191,923	\$230,137	\$248,383	\$244,698	\$162,738
19						
20 Cumulative Funding Under/(Over) Funding		(\$507,755)	(\$277,619)	(\$29,236)	\$215,462	\$378,200
21 Five Quarter Average						(\$44,190)
22						
23 Base for Carrying Charge (greater of line 22 or zero)						\$0
24 Pre-tax WACC						9.68%
25 Carrying Charge						\$0

Company Contributions¹- This amount represents dollars funded in the subsequent quarter

Line Notes

- 2(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 1(e)
- 2(b)-2(f) Line 2(a) divided by 12 times 3
- 3(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 2(e) thru 5(e)
- 3(b)-3(f) Line 3(a) divided by 12 times 3
- 4(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 24(p)
- 5(e)-5(f) Previous Year's Reconciliation divided by 3
- 7(b)-7(f) Per Company Books
- 8(b)-8(f) Per Company Books
- 10 Sum of Line 2 through Line 8
- 14 Per Company Books
- 15 Line 3 plus Line 8
- 16 Sum of line 14 through line 15
- 18 Line 10 minus line 16
- 20 Current year line 18 plus prior year line 20
- 21 Average of column (b) through column (f)
- 23 If line 21 is greater than zero, line 21 if not, zero
- 24 Docket No. 4323
- 25 Line 23 times line 24

Z:\2015 neco\Pensions\Pricing\Revised Pricing Schedules\Schedule WRR-3 Revised, PAF Calc Final.xls\PAF

Calculation of Pension/PBOP Adjustment Factor

(1) Pension Prior Year Regulatory Expense Reconciliation	\$623,723
(2) PBOP Prior Year Regulatory Expense Reconciliation	(\$503,518)
(3) Pension Current Year Regulatory Expense Reconciliation	\$1,244,165
(4) PBOP Current Year Regulatory Expense Reconciliation	(\$472,489)
(5) Pension Funding Carrying Charge	\$0
(6) <u>PBOP Funding Carrying Charge</u>	<u>\$0</u>
(7) Pension/PBOP Under-Recovery Amount	\$891,881
(8) Forecasted kWhs - November 1, 2015 through September 30, 2016	<u>7,031,263,358</u>
(9) Proposed Pension/PBOF Adjustment Factor for November 1, 2015	\$0.00012

Line Descriptions:

- (1) per Schedule WRR-1 Revised Page 1 Line (12)
- (2) per Schedule WRR-1 Revised Page 2 Line (12)
- (3) per Schedule WRR-1 Revised Page 1 Line (11)
- (4) per Schedule WRR-1 Revised Page 2 Line (11)
- (5) per Schedule WRR-1 Revised Page 1 Line (14)
- (6) per Schedule WRR-1 Revised Page 2 Line (14)
- (7) Line (1) + Line (2) + Line (3) + Line (4) + Line (5) + Line (6)
- (8) per Company forecast
- (9) Line (7) ÷ Line (8), truncated to 5 decimal places

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4637
2016 Electric Pension Adjustment Factor Filing
Attachment DIV-1-4-1 (ELEC)
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The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4518
Pension Adjustment Mechanism Filing
Schedule WRR-4 Revised
October 13, 2015
Page 1 of 18

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-16 Rate Customers

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
150	\$34.05	\$16.26	\$17.79	\$34.07	\$16.26	\$17.81	\$0.02	0.1%	13.7%
300	\$61.96	\$32.52	\$29.44	\$62.00	\$32.52	\$29.48	\$0.04	0.1%	17.5%
400	\$80.55	\$43.35	\$37.20	\$80.60	\$43.35	\$37.25	\$0.05	0.1%	11.8%
500	\$99.15	\$54.19	\$44.96	\$99.22	\$54.19	\$45.03	\$0.07	0.1%	10.8%
600	\$117.76	\$65.03	\$52.73	\$117.84	\$65.03	\$52.81	\$0.08	0.1%	9.4%
700	\$136.36	\$75.87	\$60.49	\$136.45	\$75.87	\$60.58	\$0.09	0.1%	7.7%
1,200	\$229.37	\$130.06	\$99.31	\$229.52	\$130.06	\$99.46	\$0.15	0.1%	15.0%
2,000	\$378.19	\$216.77	\$161.42	\$378.44	\$216.77	\$161.67	\$0.25	0.1%	14.1%

Present Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (1)	kWh x	\$0.04091
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Proposed Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (2)	kWh x	\$0.04103
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4637
2016 Electric Pension Adjustment Factor Filing
Attachment DIV-1-4-1 (ELEC)
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The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4518
Pension Adjustment Mechanism Filing
Schedule WRR-4 Revised
October 13, 2015
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Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-60 Rate Customers

Monthly kWh	Present Rates Standard			Proposed Rates Standard			Increase/(Decrease)		Percentage of Customers
	Total	Offer	Delivery	Total	Offer	Delivery	Amount	% of Total	
150	\$26.74	\$16.26	\$10.48	\$26.76	\$16.26	\$10.50	\$0.02	0.1%	10.7%
300	\$52.54	\$32.52	\$20.02	\$52.58	\$32.52	\$20.06	\$0.04	0.1%	23.2%
400	\$69.73	\$43.35	\$26.38	\$69.78	\$43.35	\$26.43	\$0.05	0.1%	14.9%
500	\$86.93	\$54.19	\$32.74	\$87.00	\$54.19	\$32.81	\$0.07	0.1%	12.2%
600	\$104.13	\$65.03	\$39.10	\$104.21	\$65.03	\$39.18	\$0.08	0.1%	9.6%
700	\$121.33	\$75.87	\$45.46	\$121.42	\$75.87	\$45.55	\$0.09	0.1%	7.3%
1,200	\$207.32	\$130.06	\$77.26	\$207.48	\$130.06	\$77.42	\$0.16	0.1%	12.3%
2,000	\$344.92	\$216.77	\$128.15	\$345.17	\$216.77	\$128.40	\$0.25	0.1%	9.8%

Present Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (1)	kWh x	\$0.02744
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Proposed Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (2)	kWh x	\$0.02756
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

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Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to C-06 Rate Customers

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
250	\$52.50	\$23.40	\$29.10	\$52.53	\$23.40	\$29.13	\$0.03	0.1%	35.2%
500	\$93.56	\$46.80	\$46.76	\$93.62	\$46.80	\$46.82	\$0.06	0.1%	17.0%
1,000	\$175.66	\$93.59	\$82.07	\$175.79	\$93.59	\$82.20	\$0.13	0.1%	19.0%
1,500	\$257.78	\$140.39	\$117.39	\$257.96	\$140.39	\$117.57	\$0.18	0.1%	9.8%
2,000	\$339.89	\$187.19	\$152.70	\$340.14	\$187.19	\$152.95	\$0.25	0.1%	19.1%

Present Rates

Proposed Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.26
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02072
Distribution Energy Charge (1)	kWh x	\$0.03694
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Customer Charge		\$10.00
RE Growth Factor		\$0.26
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02072
Distribution Energy Charge (2)	kWh x	\$0.03706
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	4,000	\$744.68	\$374.38	\$370.30	\$745.18	\$374.38	\$370.80	\$0.50	0.1%
50	10,000	\$1,727.49	\$935.94	\$791.55	\$1,728.74	\$935.94	\$792.80	\$1.25	0.1%
100	20,000	\$3,365.52	\$1,871.88	\$1,493.64	\$3,368.01	\$1,871.88	\$1,496.13	\$2.49	0.1%
150	30,000	\$5,003.53	\$2,807.81	\$2,195.72	\$5,007.28	\$2,807.81	\$2,199.47	\$3.75	0.1%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00707
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00719
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	6,000	\$986.34	\$561.56	\$424.78	\$987.09	\$561.56	\$425.53	\$0.75	0.1%
50	15,000	\$2,331.66	\$1,403.91	\$927.75	\$2,333.53	\$1,403.91	\$929.62	\$1.87	0.1%
100	30,000	\$4,573.84	\$2,807.81	\$1,766.03	\$4,577.59	\$2,807.81	\$1,769.78	\$3.75	0.1%
150	45,000	\$6,816.03	\$4,211.72	\$2,604.31	\$6,821.66	\$4,211.72	\$2,609.94	\$5.63	0.1%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00707
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00719
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	8,000	\$1,228.01	\$748.75	\$479.26	\$1,229.01	\$748.75	\$480.26	\$1.00	0.1%
50	20,000	\$2,935.83	\$1,871.88	\$1,063.95	\$2,938.33	\$1,871.88	\$1,066.45	\$2.50	0.1%
100	40,000	\$5,782.18	\$3,743.75	\$2,038.43	\$5,787.17	\$3,743.75	\$2,043.42	\$4.99	0.1%
150	60,000	\$8,628.54	\$5,615.63	\$3,012.91	\$8,636.03	\$5,615.63	\$3,020.40	\$7.49	0.1%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00707
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00719
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

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Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	10,000	\$1,469.68	\$935.94	\$533.74	\$1,470.93	\$935.94	\$534.99	\$1.25	0.1%
50	25,000	\$3,539.99	\$2,339.84	\$1,200.15	\$3,543.11	\$2,339.84	\$1,203.27	\$3.12	0.1%
100	50,000	\$6,990.51	\$4,679.69	\$2,310.82	\$6,996.76	\$4,679.69	\$2,317.07	\$6.25	0.1%
150	75,000	\$10,441.03	\$7,019.53	\$3,421.50	\$10,450.40	\$7,019.53	\$3,430.87	\$9.37	0.1%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00707
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00719
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

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Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	12,000	\$1,711.35	\$1,123.13	\$588.22	\$1,712.85	\$1,123.13	\$589.72	\$1.50	0.1%
50	30,000	\$4,144.15	\$2,807.81	\$1,336.34	\$4,147.90	\$2,807.81	\$1,340.09	\$3.75	0.1%
100	60,000	\$8,198.85	\$5,615.63	\$2,583.22	\$8,206.35	\$5,615.63	\$2,590.72	\$7.50	0.1%
150	90,000	\$12,253.53	\$8,423.44	\$3,830.09	\$12,264.78	\$8,423.44	\$3,841.34	\$11.25	0.1%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00707
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00719
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

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Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	40,000	\$5,388.66	\$2,686.67	\$2,701.99	\$5,393.66	\$2,686.67	\$2,706.99	\$5.00	0.1%
750	150,000	\$20,140.11	\$10,075.00	\$10,065.11	\$20,158.86	\$10,075.00	\$10,083.86	\$18.75	0.1%
1,000	200,000	\$26,845.32	\$13,433.33	\$13,411.99	\$26,870.32	\$13,433.33	\$13,436.99	\$25.00	0.1%
1,500	300,000	\$40,255.74	\$20,150.00	\$20,105.74	\$40,293.24	\$20,150.00	\$20,143.24	\$37.50	0.1%
2,500	500,000	\$67,076.57	\$33,583.33	\$33,493.24	\$67,139.07	\$33,583.33	\$33,555.74	\$62.50	0.1%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00732
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00744
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	60,000	\$7,289.49	\$4,030.00	\$3,259.49	\$7,296.99	\$4,030.00	\$3,266.99	\$7.50	0.1%
750	225,000	\$27,268.24	\$15,112.50	\$12,155.74	\$27,296.36	\$15,112.50	\$12,183.86	\$28.12	0.1%
1,000	300,000	\$36,349.49	\$20,150.00	\$16,199.49	\$36,386.99	\$20,150.00	\$16,236.99	\$37.50	0.1%
1,500	450,000	\$54,511.99	\$30,225.00	\$24,286.99	\$54,568.24	\$30,225.00	\$24,343.24	\$56.25	0.1%
2,500	750,000	\$90,836.99	\$50,375.00	\$40,461.99	\$90,930.74	\$50,375.00	\$40,555.74	\$93.75	0.1%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00732
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00744
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

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Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	80,000	\$9,190.32	\$5,373.33	\$3,816.99	\$9,200.32	\$5,373.33	\$3,826.99	\$10.00	0.1%
750	300,000	\$34,396.36	\$20,150.00	\$14,246.36	\$34,433.86	\$20,150.00	\$14,283.86	\$37.50	0.1%
1,000	400,000	\$45,853.66	\$26,866.67	\$18,986.99	\$45,903.66	\$26,866.67	\$19,036.99	\$50.00	0.1%
1,500	600,000	\$68,768.24	\$40,300.00	\$28,468.24	\$68,843.24	\$40,300.00	\$28,543.24	\$75.00	0.1%
2,500	1,000,000	\$114,597.41	\$67,166.67	\$47,430.74	\$114,722.41	\$67,166.67	\$47,555.74	\$125.00	0.1%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00732
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00744
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	100,000	\$11,091.16	\$6,716.67	\$4,374.49	\$11,103.66	\$6,716.67	\$4,386.99	\$12.50	0.1%
750	375,000	\$41,524.49	\$25,187.50	\$16,336.99	\$41,571.36	\$25,187.50	\$16,383.86	\$46.87	0.1%
1,000	500,000	\$55,357.82	\$33,583.33	\$21,774.49	\$55,420.32	\$33,583.33	\$21,836.99	\$62.50	0.1%
1,500	750,000	\$83,024.49	\$50,375.00	\$32,649.49	\$83,118.24	\$50,375.00	\$32,743.24	\$93.75	0.1%
2,500	1,250,000	\$138,357.82	\$83,958.33	\$54,399.49	\$138,514.07	\$83,958.33	\$54,555.74	\$156.25	0.1%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00732
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00744
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	120,000	\$12,991.99	\$8,060.00	\$4,931.99	\$13,006.99	\$8,060.00	\$4,946.99	\$15.00	0.1%
750	450,000	\$48,652.61	\$30,225.00	\$18,427.61	\$48,708.86	\$30,225.00	\$18,483.86	\$56.25	0.1%
1,000	600,000	\$64,861.99	\$40,300.00	\$24,561.99	\$64,936.99	\$40,300.00	\$24,636.99	\$75.00	0.1%
1,500	900,000	\$97,280.74	\$60,450.00	\$36,830.74	\$97,393.24	\$60,450.00	\$36,943.24	\$112.50	0.1%
2,500	1,500,000	\$162,118.24	\$100,750.00	\$61,368.24	\$162,305.74	\$100,750.00	\$61,555.74	\$187.50	0.1%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00732
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00744
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	600,000	\$94,195.63	\$40,300.00	\$53,895.63	\$94,270.62	\$40,300.00	\$53,970.62	\$74.99	0.1%
5,000	1,000,000	\$144,945.63	\$67,166.67	\$77,778.96	\$145,070.63	\$67,166.67	\$77,903.96	\$125.00	0.1%
7,500	1,500,000	\$208,383.13	\$100,750.00	\$107,633.13	\$208,570.62	\$100,750.00	\$107,820.62	\$187.49	0.1%
10,000	2,000,000	\$271,820.62	\$134,333.33	\$137,487.29	\$272,070.62	\$134,333.33	\$137,737.29	\$250.00	0.1%
20,000	4,000,000	\$525,570.63	\$268,666.67	\$256,903.96	\$526,070.63	\$268,666.67	\$257,403.96	\$500.00	0.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00091
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00103
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

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Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	900,000	\$121,695.63	\$60,450.00	\$61,245.63	\$121,808.12	\$60,450.00	\$61,358.12	\$112.49	0.1%
5,000	1,500,000	\$190,778.96	\$100,750.00	\$90,028.96	\$190,966.46	\$100,750.00	\$90,216.46	\$187.50	0.1%
7,500	2,250,000	\$277,133.13	\$151,125.00	\$126,008.13	\$277,414.37	\$151,125.00	\$126,289.37	\$281.24	0.1%
10,000	3,000,000	\$363,487.29	\$201,500.00	\$161,987.29	\$363,862.29	\$201,500.00	\$162,362.29	\$375.00	0.1%
20,000	6,000,000	\$708,903.96	\$403,000.00	\$305,903.96	\$709,653.96	\$403,000.00	\$306,653.96	\$750.00	0.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00091
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00103
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

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Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,200,000	\$149,195.63	\$80,600.00	\$68,595.63	\$149,345.62	\$80,600.00	\$68,745.62	\$149.99	0.1%
5,000	2,000,000	\$236,612.29	\$134,333.33	\$102,278.96	\$236,862.29	\$134,333.33	\$102,528.96	\$250.00	0.1%
7,500	3,000,000	\$345,883.13	\$201,500.00	\$144,383.13	\$346,258.12	\$201,500.00	\$144,758.12	\$374.99	0.1%
10,000	4,000,000	\$455,153.96	\$268,666.67	\$186,487.29	\$455,653.96	\$268,666.67	\$186,987.29	\$500.00	0.1%
20,000	8,000,000	\$892,237.29	\$537,333.33	\$354,903.96	\$893,237.29	\$537,333.33	\$355,903.96	\$1,000.00	0.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00091
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00103
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,500,000	\$176,695.63	\$100,750.00	\$75,945.63	\$176,883.12	\$100,750.00	\$76,133.12	\$187.49	0.1%
5,000	2,500,000	\$282,445.63	\$167,916.67	\$114,528.96	\$282,758.13	\$167,916.67	\$114,841.46	\$312.50	0.1%
7,500	3,750,000	\$414,633.13	\$251,875.00	\$162,758.13	\$415,101.87	\$251,875.00	\$163,226.87	\$468.74	0.1%
10,000	5,000,000	\$546,820.62	\$335,833.33	\$210,987.29	\$547,445.62	\$335,833.33	\$211,612.29	\$625.00	0.1%
20,000	10,000,000	\$1,075,570.63	\$671,666.67	\$403,903.96	\$1,076,820.63	\$671,666.67	\$405,153.96	\$1,250.00	0.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00091
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00103
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,800,000	\$204,195.63	\$120,900.00	\$83,295.63	\$204,420.62	\$120,900.00	\$83,520.62	\$224.99	0.1%
5,000	3,000,000	\$328,278.96	\$201,500.00	\$126,778.96	\$328,653.96	\$201,500.00	\$127,153.96	\$375.00	0.1%
7,500	4,500,000	\$483,383.13	\$302,250.00	\$181,133.13	\$483,945.62	\$302,250.00	\$181,695.62	\$562.49	0.1%
10,000	6,000,000	\$638,487.29	\$403,000.00	\$235,487.29	\$639,237.29	\$403,000.00	\$236,237.29	\$750.00	0.1%
20,000	12,000,000	\$1,258,903.96	\$806,000.00	\$452,903.96	\$1,260,403.96	\$806,000.00	\$454,403.96	\$1,500.00	0.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00091
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00103
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.012¢/kWh

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4637
2016 Electric Pension Adjustment Factor Filing
Responses to the Division's First Set of Data Requests
Issued on August 24, 2016

Division 1-5

Request:

Referring to Revised Schedule WRR-1, Page 4, please reconcile the Direct PBOP Capitalized Amount of \$152,669 for the March 2015 quarter to the Direct Pension Capitalized Amount of \$281,066 for the March 2015 quarter on Schedule WRR-1, Page 4, in Docket No. 4518.

Response:

On October 13, 2015, the Company submitted a revised Schedule WRR-1 for Docket No. 4518. 2015. Please see Attachment DIV-1-4 (ELEC) for the revised Schedule WRR-1 for Docket No. 4518, which reflects the Direct PBOP Capitalized Amount of \$152,669.