

March 7, 2017

BY HAND DELIVERY AND ELECTRONIC MAIL

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

RE: Docket 4682 – Proposed FY 2018 Electric Infrastructure, Safety, and Reliability Plan Revised Revenue Requirement and Bill Impact

Dear Ms. Massaro:

I have enclosed 10 copies of National Grid's¹ revised revenue requirement and bill impact for its Fiscal Year (FY) 2018 Electric Infrastructure, Safety, and Reliability Plan (Electric ISR Plan or Plan), as reflected in the enclosed Revised Section 5: Attachment 1S and Revised Sections 6 (Rate Design) and 7 (Bill Impacts). In National Grid's Electric ISR Plan filing dated December 21, 2016, the Company indicated that it would submit an updated revenue requirement to reflect the actual net operating loss (NOL) deferred taxes generated for FY 2016 based on the Company's December 2016 federal income tax return, which the Company filed after it filed the Plan with the PUC.

The updated revenue requirement is \$26,837,179, reflecting incremental revenues of \$386,048 (vs. the original revenue requirement of \$26,451,131). Please see Revised Section 5: Attachment 1S, page 1, line 19 for the updated revenue requirement. As reflected in Revised Section 5: Attachment 1S, page 1, line 18, the updated total capital investment component of the revenue requirement is \$16.5 million (vs. the original total capital investment component amount of \$16.1 million). This update to the revenue requirement has resulted in an increase to the proposed CapEx factors.

For the average residential customer using 500 kilowatt hours per month, implementation of the proposed revised ISR factors will result in a decrease of \$0.05, or approximately 0.1%; this is a reduction from the previously proposed decrease of \$0.09.

Luly E. Massaro, Commission Clerk
Docket 4682 – Electric ISR FY2018 - Revised Revenue Requirement
March 7, 2017
Page 2 of 2

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

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 4682 Service List
Leo Wold, Esq.
Steve Scialabba, Division
Greg Booth, Division

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

March 7, 2017

Date

Docket No. 4682 National Grid's Electric Infrastructure, Safety and Reliability Plan FY 2018 - Service List as of 2/27/17

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File an original & ten copies w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov ; Cynthia.WilsonFrias@puc.ri.gov ; Alan.nault@puc.ri.gov ; Todd.bianco@puc.ri.gov ;	401-780-2107

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Annual Revenue Requirement Summary

Line No.		As Approved		
		Fiscal Year 2017 (a)	Fiscal Year 2018 (b)	Fiscal Year 2019 (c)
Operation and Maintenance (O&M) Expenses:				
1	Current Year Vegetation Management (VM)	\$8,719,042	\$9,400,000	
2	Current Year Inspection & Maintenance (I&M)	\$1,291,750	\$1,069,800	
3	Electric Contact Voltage expenses included in RIPUC Docket No. 4323	(\$163,749)	(\$163,749)	
4	Total O&M Expense Component of Revenue Requirement	\$9,847,043	\$10,306,051	
Capital Investment:				
5	Actual Revenue Requirement on Incremental FY 2012 Capital included in ISR Rate Base	\$441,364	\$268,500	\$268,929
6	Actual Revenue Requirement on Incremental FY 2013 Capital included in ISR Rate Base	(\$1,042,177)	(\$1,074,896)	(\$1,019,664)
7	Actual Revenue Requirement on Incremental FY 2014 Capital included in ISR Rate Base	\$959,924	\$706,927	\$659,372
8	Actual Revenue Requirement on FY 2015 Capital included in ISR Rate Base	\$3,559,643	\$3,758,934	\$3,566,424
9	Actual Revenue Requirement on FY 2016 Capital included in ISR Rate Base	\$5,428,148	\$3,967,711	\$3,815,781
10	Forecasted Annual Revenue Requirement on FY 2017 Capital included in ISR Rate Base	\$2,711,630	\$4,415,399	\$4,209,003
11	Forecasted Annual Revenue Requirement on FY 2018 Capital included in ISR Rate Base	\$0	\$2,267,653	\$4,172,061
12	Subtotal	\$12,058,532	\$14,310,230	\$15,671,906
13	FY 2017 Property Tax Recovery Adjustment	\$5,798,249		
14	FY 2018 Property Tax Recovery Adjustment		\$3,906,950	
15	True-Up for FY 2012 through FY 2016 Transmission - Related Net Operating Losses ("NOL")		(\$1,125,115)	
16	True-Up for FY 2013 through FY 2016 Work Order Write Off Adjustment: Capital Investment		(\$560,347)	
17	True-Up for FY 2013 through FY 2016 Work Order Write Off Adjustment: Property Tax		(\$589)	
18	Total Capital Investment Component of Revenue Requirement	\$17,856,781	\$16,531,128	
19	Total Fiscal Year Revenue Requirement	\$27,703,824	\$26,837,179	
20	Total Updated Fiscal Year Rate Adjustment		(\$866,645)	

Column (a) - as Approved per RIPUC Docket No. 4539

Column (b)

- 1 Vegetation Management per Section 3, Page 5 of 5, Chart 2
- 2 Inspection & Maintenance per Section 4, Page 3 of 3, Chart 1
- 4 Line 1 + Line 2 + Line 3
- 5 Page 14 of 26, Line 30
- 6 Page 12 of 26, Line 32
- 7 Page 10 of 26, Line 32
- 8 Page 8 of 26, Line 32
- 9 Page 6 of 26, Line 32
- 10 Page 4 of 26, Line 31
- 11 Page 2 of 26, Line 32
- 12 Sum of Lines 5 through 11
- 14 Page 19 of 26, Line 97
- 15 Page 23 of 26, Line 12
- 16 Page 24 of 26, Line 10
- 17 Page 18 of 26, Line 62b
- 18 Sum of Lines 12 through 17
- 19 Sum of Lines 4 + 18
- 20 Current Year Line 19 - Prior Year Line 19

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2018 Revenue Requirement on FY 2018 Actual Incremental Capital Investment

Line No.			Fiscal Year	Fiscal Year
			2018 (a)	2019 (b)
<u>Capital Investment Allowance</u>				
1	Non-Discretionary Capital	Section 2, Page 27 of 27, Chart 11	\$32,731,000	\$0
<u>Discretionary Capital</u>				
2	Lesser of Actual Cumulative Non-Discretionary Capital Additions or Spending, or Approved Spending	Section 2, Page 27 of 27, Chart 11	\$42,112,000	\$0
3	Total Allowed Capital Included in Rate Base	Line 1 + Line 2	\$74,843,000	\$0
<u>Depreciable Net Capital Included in Rate Base</u>				
4	Total Allowed Capital Included in Rate Base in Current Year	Line 3	\$74,843,000	\$0
5	Retirements	Line 4 * 21.99%	\$16,457,400	\$0
6	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$58,385,600	\$58,385,600
<u>Change in Net Capital Included in Rate Base</u>				
7	Capital Included in Rate Base	Line 3	\$74,843,000	\$0
8	Depreciation Expense	Per Settlement Agreement Docket No. 4323, excluding General Plant	\$43,031,774	\$0
9	Incremental Capital Amount	Column (a) = Line 7 - Line 8; Column (b) = Prior Year Line 9	\$31,811,226	\$31,811,226
10	Cost of Removal	Section 2, Page 27 of 27, Chart 11	\$9,646,000	\$9,646,000
11	Total Net Plant in Service	Line 9 + Line 10	\$41,457,226	\$41,457,226
<u>Deferred Tax Calculation:</u>				
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4323	3.40%	3.40%
13	Vintage Year Tax Depreciation:			
14	2018 Spend	Page 3 of 26, Line 21	\$57,010,767	\$2,193,014
15	Cumulative Tax Depreciation	Prior Year Line 15 + Current Year Line 14	\$57,010,767	\$59,203,781
16	Book Depreciation	Column (a) = Line 6 * Line 12 * 50% ; Column (b) = Line 6 * Line 12	\$992,555	\$1,985,110
17	Cumulative Book Depreciation	Prior Year Line 17 + Current Year Line 16	\$992,555	\$2,977,666
18	Cumulative Book / Tax Timer	Line 15 - Line 17	\$56,018,212	\$56,226,115
19	Effective Tax Rate		35.00%	35.00%
20	Deferred Tax Reserve	Line 18 * Line 19	\$19,606,374	\$19,679,140
21	Less: FY 2018 Federal NOL	Page 21 of 26, Line 12(n)	\$0	\$0
22	Less: Proration Adjustment	Col (a) = Page 25 of 26, Line 40; Col (b) = Page 26 of 26, Line 40	(\$5,486,704)	(\$39,506)
23	Net Deferred Tax Reserve	Sum of Lines 20 through 22	\$14,119,670	\$19,639,634
<u>Rate Base Calculation:</u>				
24	Cumulative Incremental Capital Included in Rate Base	Line 11	\$41,457,226	\$41,457,226
25	Accumulated Depreciation	-Line 17	(\$992,555)	(\$2,977,666)
26	Deferred Tax Reserve	-Line 23	(\$14,119,670)	(\$19,639,634)
27	Year End Rate Base	Sum of Lines 24 through 26	\$26,345,000	\$18,839,926
<u>Revenue Requirement Calculation:</u>				
28	Average Rate Base	Column (a) = Current Year Line 27 ÷ 2; Column (b) = (Prior Year Line 27 + Current Year Line 27) ÷ 2	\$13,172,500	\$22,592,463
29	Pre-Tax ROR		9.68%	9.68%
30	Return and Taxes	Line 28 * Line 29	\$1,275,098	\$2,186,950
31	Book Depreciation	Line 16	\$992,555	\$1,985,110
32	Annual Revenue Requirement	Line 30 + Line 31	\$2,267,653	\$4,172,061

1/ Based on three year average FY 2016, FY 2015, and FY 2014 actual retirements as a percent of capital investment

2/ Weighted Average Cost of Capital as approved in R.I.P.U.C. Docket No. 4323

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	4.96%	2.48%		2.48%
Short Term Debt	0.76%	0.79%	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%
	<u>100.00%</u>		<u>7.17%</u>	<u>2.51%</u>	<u>9.68%</u>

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of Tax Depreciation and Repairs Deduction on FY2018 Incremental Capital Investments

Line No.			Fiscal Year	Fiscal Year
			2018	2019
			(a)	(b)
<u>Capital Repairs Deduction</u>				
1	Plant Additions	Page 2 of 26, Line 3	\$74,843,000	
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 23.38%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$17,498,293	
<u>Bonus Depreciation</u>				
4	Plant Additions	Line 1	\$74,843,000	
5	Less Capital Repairs Deduction	Line 3	\$17,498,293	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$57,344,707	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	99.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$56,771,260	
9	Bonus Depreciation Rate (April 2017 - December 2017)	1 * 75% * 50%	37.50%	
10	Bonus Depreciation Rate (January 2018 - March 2018)	1 * 25% * 40%	10.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	47.50%	
12	Bonus Depreciation	Line 8 * Line 11	\$26,966,349	
<u>Remaining Tax Depreciation</u>				
13	Plant Additions	Line 1	\$74,843,000	
14	Less Capital Repairs Deduction	Line 3	\$17,498,293	
15	Less Bonus Depreciation	Line 12	\$26,966,349	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$30,378,358	\$30,378,358
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$1,139,188	\$2,193,014
19	FY18 Loss incurred due to retirements	Per Tax Department	2/ \$1,760,937	
20	Cost of Removal	Page 2 of 26, Line 10	\$9,646,000	
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$57,010,767	\$2,193,014

1/ Capital Repairs percentage is based on a three year average 2013, 2014, and 2015 of electric property qualifying for the repairs deduction as a percentage of total annual plant additions.

2/ FY 2018 estimated tax loss on retirements is based on FY 2016 actuals (Page 7 of 26, Line 19).

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2018 Revenue Requirement on FY 2017 Actual Incremental Capital Investment

Line No.		Fiscal Year 2017 (a)	Fiscal Year 2018 (b)	Fiscal Year 2019 (c)	
Capital Additions Allowance					
<i>Non-Discretionary Capital</i>					
1	Non-Discretionary Additions	Per RIPUC Docket No. 4592	\$31,396,000	\$0	\$0
<i>Discretionary Capital</i>					
2	Lesser of Actual Cumulative Discretionary Capital Additions or Spending, or Approved Spending	Per RIPUC Docket No. 4592	\$47,082,000	\$0	\$0
3	Total Allowed Capital Included in Rate Base	Line 1 + Line 2	\$78,478,000	\$0	\$0
Depreciable Net Capital Included in Rate Base					
4	Total Allowed Capital Included in Rate Base in Current Year	Line 3	\$78,478,000	\$0	\$0
5	Retirements	Line 4 * 20.44%	1/ \$16,040,903	\$0	\$0
6	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$62,437,097	\$62,437,097	\$62,437,097
Change in Net Capital Included in Rate Base					
7	Capital Included in Rate Base	Line 3	\$78,478,000	\$0	\$0
8	Depreciation Expense	Per Settlement Agreement Docket No. 4323, excluding General Plant	\$43,031,774	\$0	\$0
9	Incremental Depreciable Amount	Column (a) = Line 7 - Line 8; Column (b) = Prior Year Line 9	\$35,446,226	\$35,446,226	\$35,446,226
10	Total Cost of Removal	Per Company's books	\$9,800,000	\$9,800,000	\$9,800,000
11	Total Net Plant in Service	Line 9 + Line 10	\$45,246,226	\$45,246,226	\$45,246,226
Deferred Tax Calculation:					
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4323	3.40%	3.40%	3.40%
13	Tax Depreciation	Page 5 of 26, Line 21	\$60,552,688	\$2,211,545	\$2,045,503
14	Cumulative Tax Depreciation	Prior Year Line 14 + Current Year Line 13	\$60,552,688	\$62,764,233	\$64,809,736
15	Book Depreciation	Column (a) = Line 6 * Line 12 * 50%; Column (b) = Line 6 * Line 12	\$1,061,431	\$2,122,861	\$2,122,861
16	Cumulative Book Depreciation	Prior Year Line 16 + Current Year Line 15	\$1,061,431	\$3,184,292	\$5,307,153
17	Cumulative Book / Tax Timer	Line 14 - Line 16	\$59,491,257	\$59,579,941	\$59,502,583
18	Effective Tax Rate		35.00%	35.00%	35.00%
19	Deferred Tax Reserve	Line 17 * Line 18	\$20,821,940	\$20,852,979	\$20,825,904
20	Less: FY 2017 Federal NOL	Page 21 of 26, Line 12(m)	(\$1,388,912)	(\$1,388,912)	(\$1,388,912)
21	Less: Proration Adjustment	Col (b) = Page 25 of 26, Line 40; Col (c) = Page 26 of 26, Line 40	\$0	(\$16,852)	\$14,700
22	Net Deferred Tax Reserve	Sum of Lines 19 through 21	\$19,433,028	\$19,447,215	\$19,451,691
Rate Base Calculation:					
23	Cumulative Incremental Capital Included in Rate Base	Line 11	\$45,246,226	\$45,246,226	\$45,246,226
24	Accumulated Depreciation	-Line 16	(\$1,061,431)	(\$3,184,292)	(\$5,307,153)
25	Deferred Tax Reserve	-Line 22	(\$19,433,028)	(\$19,447,215)	(\$19,451,691)
26	Year End Rate Base	Sum of Lines 23 through 25	\$24,751,768	\$22,614,719	\$20,487,382
Revenue Requirement Calculation:					
27	Average Rate Base	Column (a) = Current Year Line 27 ÷ 2; Column (b) = (Prior Year Line 27 + Current Year Line 27) ÷ 2	\$12,375,884	\$23,683,244	\$21,551,051
28	Pre-Tax ROR		2/ 9.68%	9.68%	9.68%
29	Return and Taxes	Line 27 * Line 28	\$1,197,986	\$2,292,538	\$2,086,142
30	Book Depreciation	Line 15	\$1,061,431	\$2,122,861	\$2,122,861
31	Annual Revenue Requirement	Line 29 + Line 30	\$2,259,417	\$4,415,399	\$4,209,003

1/ Based on FY2015 actual retirements as a percent of capital investment

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

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	4.96%	2.48%		2.48%
Short Term Debt	0.76%	0.79%	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%		7.17%	2.51%	9.68%

**The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of Tax Depreciation and Repairs Deduction on FY2017 Incremental Capital Investments**

Line No.			Fiscal Year <u>2017</u> (a)	Fiscal Year <u>2018</u> (b)	Fiscal Year <u>2019</u> (c)
	<u>Capital Repairs Deduction</u>				
1	Plant Additions	Page 4 of 26, Line 3	\$78,478,000		
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 22.70%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$17,814,506		
	<u>Bonus Depreciation</u>				
4	Plant Additions	Line 1	\$78,478,000		
5	Less Capital Repairs Deduction	Line 3	\$17,814,506		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$60,663,494		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	99.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$60,056,859		
9	Bonus Depreciation Rate (April 2016 - December 2016)	1 * 75% * 50%	37.50%		
10	Bonus Depreciation Rate (January 2017 - March 2017)	1 * 25% * 50%	12.50%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	50.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$30,028,430		
	<u>Remaining Tax Depreciation</u>				
13	Plant Additions	Line 1	\$78,478,000		
14	Less Capital Repairs Deductions	Line 3	\$17,814,506		
15	Less Bonus Depreciation	Line 12	\$30,028,430		
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$30,635,064	\$30,635,064	\$30,635,064
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$1,148,815	\$2,211,545	\$2,045,503
19	FY17 Loss incurred due to retirements	Per Tax Department	2/ \$1,760,937		
20	Cost of Removal	Page 4 of 26, Line 10	\$9,800,000		
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$60,552,688	\$2,211,545	\$2,045,503

1/ Capital Repairs percentage is based on a three year average, 2012, 2013 and 2014 of electric property qualifying for the repairs deduction as a percentage of total annual plant additions.

2/ FY 2017 estimated tax loss on retirements is based on FY 2016 actuals (Page 7 of 26, Line 19).

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2018 Revenue Requirement on FY 2016 Actual Incremental Capital Investment

Line No.			Fiscal Year 2016 (a)	Fiscal Year 2017 (b)	Fiscal Year 2018 (c)	Fiscal Year 2019 (d)
Capital Investment Allowance						
1	Non-Discretionary Capital	Per RIPUC Docket No. 4539	\$35,964,438	\$0	\$0	\$0
1a	Work Order Write Off Adjustment	Per Company's books	\$672,272	\$0	\$0	\$0
Discretionary Capital						
2	Lesser of Actual Cumulative Non-Discretionary Capital Additions or Spending, or Approved Spending	Per RIPUC Docket No. 4539	\$35,488,464	\$0	\$0	\$0
2a	Work Order Write Off Adjustment	Per Company's books	(\$121,728)	\$0	\$0	\$0
3	Total Allowed Capital Included in Rate Base	Line 1 + Line 1a + Line 2 + Line 2a	\$72,003,445	\$0	\$0	\$0
Depreciable Net Capital Included in Rate Base						
4	Total Allowed Capital Included in Rate Base in Current Year	Line 3	\$72,003,445	\$0	\$0	\$0
5	Retirements		1/ \$28,489,814	\$0	\$0	\$0
6	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$43,513,631	\$43,513,631	\$43,513,631	\$43,513,631
Change in Net Capital Included in Rate Base						
7	Capital Included in Rate Base	Line 3	\$72,003,445	\$0	\$0	\$0
8	Depreciation Expense	Per Settlement Agreement Docket No. 4323, excluding General Plant	\$43,031,774	\$0	\$0	\$0
9	Incremental Capital Amount	Column (a) = Line 7 - Line 8; Column (b) = Prior Year Line 9	\$28,971,671	\$28,971,671	\$28,971,671	\$28,971,671
10	Cost of Removal		2/ \$8,192,983	\$8,192,983	\$8,192,983	\$8,192,983
10a	Work Order Write Off Adjustment	Per Company's books	(\$19,884)	(\$19,884)	(\$19,884)	(\$19,884)
11	Total Net Plant in Service	Line 9 + Line 10 + Line 10a	\$37,144,770	\$37,144,770	\$37,144,770	\$37,144,770
Deferred Tax Calculation:						
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4323	3.40%	3.40%	3.40%	3.40%
13	Vintage Year Tax Depreciation:					
14	2016 Spend	Page 7 of 26, Line 21	\$54,883,892	\$2,029,089	\$1,876,746	\$1,736,208
15	Cumulative Tax Depreciation	Prior Year Line 15 + Current Year Line 14	\$54,883,892	\$56,912,981	\$58,789,727	\$60,525,935
16	Book Depreciation	Column (a) = Line 6 * Line 12 * 50%; Column (b) = Line 6 * Line 12	\$739,732	\$1,479,463	\$1,479,463	\$1,479,463
17	Cumulative Book Depreciation	Prior Year Line 17 + Current Year Line 16	\$739,732	\$2,219,195	\$3,698,659	\$5,178,122
18	Cumulative Book / Tax Timer	Line 15 - Line 17	\$54,144,160	\$54,693,786	\$55,091,068	\$55,347,813
19	Effective Tax Rate		35.00%	35.00%	35.00%	35.00%
20	Deferred Tax Reserve	Line 18 * Line 19	\$18,950,456	\$19,142,825	\$19,281,874	\$19,371,734
21	Less: FY 2016 Federal NOL	Page 21 of 26, Line 12(I)	(\$10,693,796)	(\$10,693,796)	(\$10,693,796)	(\$10,693,796)
22	Less: Proration Adjustment	Col = Page 25 of 26, Line 40; Col = Page 26 of 26, Line 40	\$0	\$0	(\$75,493)	(\$48,787)
23	Net Deferred Tax Reserve	Sum of Lines 20 through 22	\$8,256,660	\$8,449,029	\$8,512,585	\$8,629,151
Rate Base Calculation:						
24	Cumulative Incremental Capital Included in Rate Base	Line 11	\$37,144,770	\$37,144,770	\$37,144,770	\$37,144,770
25	Accumulated Depreciation	-Line 17	(\$739,732)	(\$2,219,195)	(\$3,698,659)	(\$5,178,122)
26	Deferred Tax Reserve	-Line 23	(\$8,256,660)	(\$8,449,029)	(\$8,512,585)	(\$8,629,151)
27	Year End Rate Base	Sum of Lines 24 through 26	\$28,148,378	\$26,476,546	\$24,933,526	\$23,337,497
Revenue Requirement Calculation:						
28	Average Rate Base	Column (a) = Current Year Line 27 ÷ 2; Column (b) = (Prior Year Line 27 + Current Year Line 27) ÷ 2	\$14,074,189	\$27,312,462	\$25,705,036	\$24,135,512
29	Pre-Tax ROR		3/ 9.68%	9.68%	9.68%	9.68%
30	Return and Taxes	Line 28 * Line 29	\$1,362,382	\$2,643,846	\$2,488,247	\$2,336,318
31	Book Depreciation	Line 16	\$739,732	\$1,479,463	\$1,479,463	\$1,479,463
32	Annual Revenue Requirement	Line 30 + Line 31	\$2,102,113	\$4,123,310	\$3,967,711	\$3,815,781
33	As Approved in RIPUC Docket No. 4539		\$2,048,986	\$4,017,908	\$3,864,033	\$3,713,798
34	Transmission-related NOL adjustment		(\$169,161)	(\$338,321)	(\$338,321)	(\$338,321)
34a	True-Up to reflect actual NOL deferred taxes generated for FY 2016		\$193,024	\$386,048	\$386,048	\$386,048
35	Work Order Write Off Adjustment		\$29,263	\$57,675	\$55,951	\$54,256

1/ Actual Retirements

2/ Actual Cost of Removal

3/ Weighted Average Cost of Capital as approved in R.I.P.U.C. Docket No. 4323

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	4.96%	2.48%		2.48%
Short Term Debt	0.76%	0.79%	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%		7.17%	2.51%	9.68%

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of Tax Depreciation and Repairs Deduction on FY2016 Incremental Capital Investments

Line No.			Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year
			2016 (a)	2017 (a)	2018 (a)	2019 (a)
<u>Capital Repairs Deduction</u>						
1	Plant Additions	Page 6 of 26, Line 3	\$72,003,445			
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 22.70%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$16,344,782			
<u>Bonus Depreciation</u>						
4	Plant Additions	Line 1	\$72,003,445			
5	Less Capital Repairs Deduction	Line 3	\$16,344,782			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$55,658,663			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	99.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$55,102,076			
9	Bonus Depreciation Rate (April 2015 - December 2015)	1 * 75% * 50%	37.50%			
10	Bonus Depreciation Rate (January 2016 - March 2016)	1 * 25% * 50%	12.50%			
11	Total Bonus Depreciation Rate	Line 9 + Line 10	50.00%			
12	Bonus Depreciation	Line 8 * Line 11	\$27,551,038			
<u>Remaining Tax Depreciation</u>						
13	Plant Additions	Line 1	\$72,003,445			
14	Less Capital Repairs Deduction	Line 3	\$16,344,782			
15	Less Bonus Depreciation	Line 12	\$27,551,038			
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$28,107,625	\$28,107,625	\$28,107,625	\$28,107,625
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%	6.177%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$1,054,036	\$2,029,089	\$1,876,746	\$1,736,208
19	FY16 Loss incurred due to retirements	Per Tax Department	\$1,760,937			
20	Cost of Removal	Page 6 of 26, Line 10 + Line 10a	\$8,173,099			
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$54,883,892	\$2,029,089	\$1,876,746	\$1,736,208

1/ Capital Repairs percentage is based on a three year average 2012, 2013, and 2014 of electric property qualifying for the repairs deduction as a percentage of total annual plant additions.

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2018 Revenue Requirement on FY 2015 Actual Incremental Capital Investment

Line No.			Fiscal Year 2015 (a)	Fiscal Year 2016 (b)	Fiscal Year 2017 (c)	Fiscal Year 2018 (d)	Fiscal Year 2019 (e)
Capital Investment Allowance							
1	Non-Discretionary Capital	Per RIPUC Docket No. 4473	\$22,246,664	\$0	\$0	\$0	\$0
1a	Work Order Write Off Adjustment	Per Company's books	\$ (268,138)				
Discretionary Capital							
2	Lesser of Actual Cumulative Non-Discretionary Capital Additions or Spending, or Approved Spending	Per RIPUC Docket No. 4473	\$54,410,377	\$0	\$0	\$0	\$0
2a	Work Order Write Off Adjustment	Per Company's books	\$ (48,499)				
3	Total Allowed Capital Included in Rate Base	Line 1 + Line 1a + Line 2 + Line 2a	\$76,340,403	\$0	\$0	\$0	\$0
Depreciable Net Capital Included in Rate Base							
4	Total Allowed Capital Included in Rate Base in Current Year	Line 3	\$76,340,403	\$0	\$0	\$0	\$0
5	Retirements	1/	\$15,666,095	\$0	\$0	\$0	\$0
6	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$60,674,308	\$60,674,308	\$60,674,308	\$60,674,308	\$60,674,308
Change in Net Capital Included in Rate Base							
7	Capital Included in Rate Base	Line 3	\$76,340,403	\$0	\$0	\$0	\$0
8	Depreciation Expense	Per Settlement Agreement Docket No. 4323, excluding General Plant	\$43,031,774	\$0	\$0	\$0	\$0
9	Incremental Capital Amount	Column (a) = Line 7 - Line 8; Column (b) = Prior Year Line 9	\$33,308,629	\$33,308,629	\$33,308,629	\$33,308,629	\$33,308,629
10	Cost of Removal	Docket No. 4473 FY 15 Reconciliation, Att. JHP-1, Page 4, Table 2	\$6,988,398	\$6,988,398	\$6,988,398	\$6,988,398	\$6,988,398
10a	Work Order Write Off Adjustment	Per Company's books	\$22,398	\$22,398	\$22,398	\$22,398	\$22,398
11	Total Net Plant in Service	Line 9 + Line 10 + Line 10a	\$40,319,425	\$40,319,425	\$40,319,425	\$40,319,425	\$40,319,425
Deferred Tax Calculation:							
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4323	3.40%	3.40%	3.40%	3.40%	3.40%
13	Vintage Year Tax Depreciation:						
14	2015 Spend	Page 9 of 26, Line 22	\$71,871,022	\$2,120,892	\$1,961,656	\$1,814,760	\$1,678,440
15	Cumulative Tax Depreciation	Prior Year Line 15 + Current Year Line 14	\$71,871,022	\$73,991,914	\$75,953,570	\$77,768,330	\$79,446,770
16	Book Depreciation	Column (a) = Line 6 * Line 12 * 50%; Column (b) = Line 6 * Line 12	\$1,031,463	\$2,062,926	\$2,062,926	\$2,062,926	\$2,062,926
17	Cumulative Book Depreciation	Prior Year Line 17 + Current Year Line 16	\$1,031,463	\$3,094,390	\$5,157,316	\$7,220,243	\$9,283,169
18	Cumulative Book / Tax Timer	Line 15 - Line 17	\$70,839,559	\$70,897,524	\$70,796,254	\$70,548,087	\$70,163,601
19	Effective Tax Rate		35.00%	35.00%	35.00%	35.00%	35.00%
20	Deferred Tax Reserve	Line 18 * Line 19	\$24,793,846	\$24,814,134	\$24,778,689	\$24,691,831	\$24,557,260
21	Less: FY 2015 Federal NOL	Page 21 of 26, Line 12(k)	(\$8,148,936)	(\$8,148,936)	(\$8,148,936)	(\$8,148,936)	(\$8,148,936)
22	Less: Proration Adjustment	Col (d) = Page 25 of 26, Line 40; Col (e) = Page 26 of 26, Line 40	\$0	\$0	\$0	\$47,157	\$73,061
23	Net Deferred Tax Reserve	Sum of Lines 20 through 22	\$16,644,909	\$16,665,197	\$16,629,752	\$16,590,051	\$16,481,385
Rate Base Calculation:							
24	Cumulative Incremental Capital Included in Rate Base	Line 11	\$40,319,425	\$40,319,425	\$40,319,425	\$40,319,425	\$40,319,425
25	Accumulated Depreciation	-Line 17	(\$1,031,463)	(\$3,094,390)	(\$5,157,316)	(\$7,220,243)	(\$9,283,169)
26	Deferred Tax Reserve	-Line 23	(\$16,644,909)	(\$16,665,197)	(\$16,629,752)	(\$16,590,051)	(\$16,481,385)
27	Year End Rate Base	Sum of Lines 24 through 26	\$22,643,053	\$20,559,839	\$18,532,357	\$16,509,131	\$14,554,871
Revenue Requirement Calculation:							
28	Average Rate Base	Column (a) = Current Year Line 27 ÷ 2; Column (b) = (Prior Year Line 27 + Current Year Line 27) ÷ 2	\$11,321,526	\$21,601,446	\$19,546,098	\$17,520,744	\$15,532,001
29	Pre-Tax ROR		9.68%	9.68%	9.68%	9.68%	9.68%
30	Return and Taxes	Line 28 * Line 29	\$1,095,924	\$2,091,020	\$1,892,062	\$1,696,008	\$1,503,498
31	Book Depreciation	Line 16	\$1,031,463	\$2,062,926	\$2,062,926	\$2,062,926	\$2,062,926
32	Annual Revenue Requirement	Line 30 + Line 31	\$2,127,387	\$4,153,946	\$3,954,989	\$3,758,934	\$3,566,424
33	As Approved in RIPUC Docket No. 4539		\$2,335,465	\$4,569,615	\$4,369,693	\$4,172,667	\$3,979,199
34	Transmission-related NOL adjustment		(\$191,621)	(\$383,242)	(\$383,242)	(\$383,242)	(\$383,242)
35	Work Order Write Off Adjustment		(\$16,457)	(\$32,427)	(\$31,462)	(\$30,490)	(\$29,532)
1/	Actual Retirements						
2/	Actual Cost of Removal						
3/	Weighted Average Cost of Capital as approved in R.I.P.U.C. Docket No. 4323						
		Ratio	Rate	Rate	Taxes	Return	
	Long Term Debt	49.95%	4.96%	2.48%		2.48%	
	Short Term Debt	0.76%	0.79%	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%		7.17%	2.51%	9.68%	

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of Tax Depreciation and Repairs Deduction on FY2015 Incremental Capital Investments

Line No.			Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year
			2015 (a)	2016 (b)	2017 (c)	2018 (d)	2019 (e)
<u>Capital Repairs Deduction</u>							
1	Plant Additions	Page 8 of 26, Line 3	\$76,340,403				
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 23.10%				
3	Capital Repairs Deduction	Line 1 * Line 2	\$17,634,633				
<u>Bonus Depreciation</u>							
4	Plant Additions	Line 1	\$76,340,403				
5	Less Capital Repairs Deduction	Line 3	\$17,634,633				
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$58,705,770				
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	99.91%				
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$58,652,935				
9	Bonus Depreciation Rate (April 2014 - December 2014)	1 * 75% * 50%	37.50%				
10	Bonus Depreciation Rate (January 2015 - March 2015)	1 * 25% * 50%	12.50%				
11	Total Bonus Depreciation Rate	Line 9 + Line 10	50.00%				
12	Bonus Depreciation	Line 8 * Line 11	\$29,326,468				
<u>Remaining Tax Depreciation</u>							
13	Plant Additions	Line 1	\$76,340,403				
14	Less Capital Repairs Deduction	Line 3	\$17,634,633				
15	Less Bonus Depreciation	Line 12	\$29,326,468				
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$29,379,302	\$29,379,302	\$29,379,302	\$29,379,302	\$29,379,302
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%	6.177%	5.713%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$1,101,724	\$2,120,892	\$1,961,656	\$1,814,760	\$ 1,678,440
19	481(a) adjustment for partial retirements	Per Tax Department	\$14,395,754				
20	FY15 Loss incurred due to retirements	Per Tax Department	\$2,401,647				
21	Cost of Removal	Page 8 of 26, Line 10 + Line 10a	\$7,010,796				
22	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, 20, and 21	\$71,871,022	\$2,120,892	\$1,961,656	\$1,814,760	\$1,678,440

1/ Capital Repairs percentage is based on the actual results of the FY 2015 tax return.

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2018 Revenue Requirement on FY 2014 Actual Incremental Capital Investment

Line No.		Fiscal Year 2014 (a)	Fiscal Year 2015 (b)	Fiscal Year 2016 (c)	Fiscal Year 2017 (d)	Fiscal Year 2018 (e)	Fiscal Year 2019 (f)
Capital Investment Allowance							
1	Non-Discretionary Capital						
1a	Work Order Write Off Adjustment	Per RIPUC Docket No. 4382 Per Company's books	\$6,923,860 (\$472,942)	\$0	\$0	\$0	\$0
Discretionary Capital							
2	Lesser of Actual Cumulative Non-Discretionary Capital Additions or Spending, or Approved Spending						
2a	Work Order Write Off Adjustment	Per RIPUC Docket No. 4382 Per Company's books	\$6,400,406 (\$8,965)	\$0	\$0	\$0	\$0
3	Total Allowed Capital Included in Rate Base	Line 1 + Line 1a + Line 2 + Line 2a	\$12,842,359	\$0	\$0	\$0	\$0
Depreciable Net Capital Included in Rate Base							
4	Total Allowed Capital Included in Rate Base in Current Year	Line 3	\$12,842,359	\$0	\$0	\$0	\$0
5	Retirements	Page 16 of 26, Line 9(c)	1/ (\$4,165,367)	\$0	\$0	\$0	\$0
6	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$17,007,726	17,007,726	17,007,726	17,007,726	17,007,726
Change in Net Capital Included in Rate Base							
7	Capital Included in Rate Base	Line 3	\$12,842,359	\$0	\$0	\$0	\$0
8	Depreciation Expense	Per Settlement Agreement Docket No. 4323, excluding General Plant	2/ \$7,173,397	\$0	\$0	\$0	\$0
9	Incremental Capital Amount	Column (a) = Line 7 - Line 8; Column (b) = Prior Year Line 9	\$5,668,962	\$5,668,962	\$5,668,962	\$5,668,962	\$5,668,962
10	Total Cost of Removal	Page 16 of 26, Line 6(c)	(\$887,841)	(\$887,841)	(\$887,841)	(\$887,841)	(\$887,841)
10a	Work Order Write Off Adjustment	Per Company's books	(\$37,062)	(\$37,062)	(\$37,062)	(\$37,062)	(\$37,062)
11	Total Net Plant in Service	Line 9 + Line 10 + Line 10a	\$4,744,059	\$4,744,059	\$4,744,059	\$4,744,059	\$4,744,059
Deferred Tax Calculation:							
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4323	3.40%	3.40%	3.40%	3.40%	3.40%
13	Vintage Year Tax Depreciation:						
14	2014 Spend	Page 11 of 26, Line 20	\$7,826,326	\$306,845	\$283,808	\$262,555	\$224,640
15	Cumulative Tax Depreciation	Prior Year Line 15 + Current Year Line 14	\$7,826,326	\$8,133,171	\$8,416,979	\$8,679,534	\$8,922,366
16	Book Depreciation	Column (a) = Line 6 * Line 12 * 50%; Column (b) = Line 6 * Line 12	\$289,131	\$578,263	\$578,263	\$578,263	\$578,263
17	Cumulative Book Depreciation	Prior Year Line 17 + Current Year Line 16	\$289,131	\$867,394	\$1,445,657	\$2,023,919	\$2,602,182
18	Cumulative Book / Tax Timer	Line 15 - Line 17	\$7,537,194	\$7,265,777	\$6,971,322	\$6,655,614	\$6,320,184
19	Effective Tax Rate		35.00%	35.00%	35.00%	35.00%	35.00%
20	Deferred Tax Reserve	Line 18 * Line 19	\$2,638,018	\$2,543,022	\$2,439,963	\$2,329,465	\$2,212,064
21	Less: FY 2014 Federal NOL	Page 21 of 26, Line 12(j)	(\$1,200,808)	(\$1,200,808)	(\$1,200,808)	(\$1,200,808)	(\$1,200,808)
22	Less: Proration Adjustment	Col (e) = Page 25 of 26, Line 40; Col (f) = Page 26 of 26, Line 40	\$0	\$0	\$0	\$63,739	\$67,196
23	Net Deferred Tax Reserve	Sum of Lines 20 through 22	\$1,437,210	\$1,342,214	\$1,239,155	\$1,128,657	\$1,074,996
Rate Base Calculation:							
24	Cumulative Incremental Capital Included in Rate Base	Line 11	\$4,744,059	\$4,744,059	\$4,744,059	\$4,744,059	\$4,744,059
25	Accumulated Depreciation	-Line 17	(\$289,131)	(\$867,394)	(\$1,445,657)	(\$2,023,919)	(\$3,180,445)
26	Deferred Tax Reserve	-Line 23	(\$1,437,210)	(\$1,342,214)	(\$1,239,155)	(\$1,128,657)	(\$954,685)
27	Year End Rate Base	Sum of Lines 24 through 26	\$3,017,717	\$2,534,451	\$2,059,247	\$1,591,482	\$1,066,881
Revenue Requirement Calculation:							
28	Average Rate Base	Col (a) = Line 27 * 23.23%; Col (b) = (Prior Year Line 27 + Current Year Line 27)/2	3/ \$670,654	\$2,776,084	\$2,296,849	\$1,825,365	\$1,329,182
29	Pre-Tax ROR		4/ 9.68%	9.68%	9.68%	9.68%	9.68%
30	Return and Taxes	Line 28 * Line 29	\$64,919	\$268,725	\$222,335	\$176,695	\$128,665
31	Book Depreciation	Line 16	\$289,131	\$578,263	\$578,263	\$578,263	\$578,263
32	Annual Revenue Requirement	Line 30 + Line 31	\$354,051	\$846,988	\$800,598	\$754,958	\$706,927
33	As Approved in RIPUC Docket No. 4539		\$373,851	\$900,001	\$852,205	\$805,187	\$755,737
34	Transmission-related NOL adjustment		\$0	\$0	\$0	\$0	\$0
35	Work Order Write Off Adjustment		(\$19,800)	(\$53,014)	(\$51,607)	(\$50,229)	(\$48,810)

1/ Actual Retirements

2/ Depreciation Expense has been prorated for 2 months (February - March 2014)

3/ 23.23% per RIPUC Docket No. 4382 (FY 2014 Elec ISR reconciliation), Attachment WRR-1-Revised, Page 12.

4/ Weighted Average Cost of Capital as approved in RIPUC Docket No. 4323

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	4.96%	2.48%		
Short Term Debt	0.76%	0.79%	0.01%		
Preferred Stock	0.15%	4.50%	0.01%		
Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
	100.00%		7.17%	2.51%	9.68%

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of Tax Depreciation and Repairs Deduction on FY2014 Incremental Capital Investments

Line No.			Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year
			2014	2015	2016	2017	2018	2019
			(a)	(b)	(c)	(d)	(e)	(f)
	<u>Capital Repairs Deduction</u>							
1	Plant Additions	Page 10 of 26, Line 3	\$12,842,359					
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 34.46%					
3	Capital Repairs Deduction	Line 1 * Line 2	\$4,425,477					
	<u>Bonus Depreciation</u>							
4	Plant Additions	Line 1	\$12,842,359					
5	Less Capital Repairs Deduction	Line 3	\$4,425,477					
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$8,416,882					
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	99.00%					
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$8,332,713					
9	Bonus Depreciation Rate (April 2013 - December 2013)	1 * 75% * 50%	37.50%					
10	Bonus Depreciation Rate (January 2014 - March 2014)	1 * 25% * 50%	12.50%					
11	Total Bonus Depreciation Rate	Line 9 + Line 10	50.00%					
12	Bonus Depreciation	Line 8 * Line 11	\$4,166,357					
	<u>Remaining Tax Depreciation</u>							
13	Plant Additions	Line 1	\$12,842,359					
14	Less Capital Repairs Deduction	Line 3	\$4,425,477					
15	Less Bonus Depreciation	Line 12	\$4,166,357					
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$4,250,525	\$4,250,525	\$4,250,525	\$4,250,525	\$4,250,525	\$4,250,525
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%	6.177%	5.713%	5.285%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$159,395	\$ 306,845	\$ 283,808	\$262,555	\$242,832	\$224,640
19	Cost of Removal	Page 10 of 26, Line 10 + Line 10a	(\$924,903)					
20	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18 and 19	\$7,826,326	\$306,845	\$283,808	\$262,555	\$242,832	\$224,640

1/ Capital Repairs percentage is based on the FY 2014 tax return.

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2018 Revenue Requirement on FY 2013 Actual Incremental Capital Investment

Line No.		Fiscal Year 2013 (a)	Fiscal Year 2014 (b)	Fiscal Year 2015 (c)	Fiscal Year 2016 (d)	Fiscal Year 2017 (e)	Fiscal Year 2018 (f)	Fiscal Year 2019 (g)
Capital Additions Allowance								
<i>Non-Discretionary Capital</i>								
1	Non-Discretionary Additions	Per RIPUC Docket No. 4307	(\$5,184,396)	\$0	\$0	\$0	\$0	\$0
1a	Work Order Write Off Adjustment	Per Company's books	(\$576,955)	\$0	\$0	\$0	\$0	\$0
<i>Discretionary Capital</i>								
2	Lesser of Actual Discretionary Capital Additions or Spending or Approved Spending	Per RIPUC Docket No. 4307	(\$1,850,463)	\$0	\$0	\$0	\$0	\$0
2a	Work Order Write Off Adjustment	Per Company's books	(\$207,197)	\$0	\$0	\$0	\$0	\$0
3	Total Allowed Capital Included in Rate Base in Current Year	Line 1 + Line 1a + Line 2 + Line 2a	(\$7,819,012)	\$0	\$0	\$0	\$0	\$0
Depreciable Net Capital Included in Rate Base								
4	Total Allowed Capital Included in Rate Base in Current Year	Line 3	(\$7,819,012)	\$0	\$0	\$0	\$0	\$0
5	Retirements		\$5,838,935	\$0	\$0	\$0	\$0	\$0
6	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Columns (b), (c), & (d) = Prior Year Line 6	(\$13,657,947)	(\$13,657,947)	(\$13,657,947)	(\$13,657,947)	(\$13,657,947)	(\$13,657,947)
Change in Net Capital Included in Rate Base								
7	Capital Included in Rate Base	Line 3	(\$7,819,012)	\$0	\$0	\$0	\$0	\$0
8	Depreciation Expense	As approved per R.I.P.U.C. Docket No. 4065, excluding general plant	\$0	\$0	\$0	\$0	\$0	\$0
9	Incremental Capital Amount	Column (a) = Line 7 - Line 8; Columns (b), (c) & (d) = Prior Year Line 9	(\$7,819,012)	(\$7,819,012)	(\$7,819,012)	(\$7,819,012)	(\$7,819,012)	(\$7,819,012)
10	Total Cost of Removal		(\$1,895,059)	(\$1,895,059)	(\$1,895,059)	(\$1,895,059)	(\$1,895,059)	(\$1,895,059)
10a	Work Order Write Off Adjustment	Per Company's books	(\$106,751)	(\$106,751)	(\$106,751)	(\$106,751)	(\$106,751)	(\$106,751)
11	Total Net Plant in Service	Line 9 + Line 10 + Line 10a	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)
Deferred Tax Calculation:								
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4065	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%
13	Tax Depreciation	Page 13 of 26, Line 20	(\$6,531,672)	(\$246,695)	(\$228,173)	(\$211,087)	(\$195,230)	(\$180,604)
14	Cumulative Tax Depreciation	Prior Year Line 13 + Current Year Line 14	(\$6,531,672)	(\$6,778,367)	(\$7,006,540)	(\$7,217,627)	(\$7,412,857)	(\$7,593,461)
15	Book Depreciation	Column (a) = Line 6 * Line 12 * 50%; Columns (b), (c) & (d) = Line 6 * Line 12	(\$232,185)	(\$464,370)	(\$464,370)	(\$464,370)	(\$464,370)	(\$464,370)
16	Cumulative Book Depreciation	Prior Year Line 16 + Current Year Line 15	(\$232,185)	(\$696,555)	(\$1,160,925)	(\$1,625,296)	(\$2,089,666)	(\$2,554,036)
17	Cumulative Book / Tax Timer	Line 14 - Line 16	(\$6,299,487)	(\$6,081,812)	(\$5,845,615)	(\$5,592,331)	(\$5,323,191)	(\$5,039,425)
18	Effective Tax Rate		35.00%	35.00%	35.00%	35.00%	35.00%	35.00%
19	Deferred Tax Reserve	Line 17 * Line 18	(\$2,204,820)	(\$2,128,634)	(\$2,045,965)	(\$1,957,316)	(\$1,863,117)	(\$1,763,799)
20	Less: FY 2013 Federal NOL	Page 21 of 26, Line 12(i)	(\$2,342,381)	(\$2,342,381)	(\$2,342,381)	(\$2,342,381)	(\$2,342,381)	(\$2,342,381)
21	Less: Proration Adjustment	Col (a) through (f) = n/a; Col (g) = Page 25 of 26, Line 40; Col (h) = Page 26 of 26, Line 40	\$0	\$0	\$0	\$0	(\$53,922)	(\$56,500)
22	Net Deferred Tax Reserve	Sum of Lines 19 through 21	(\$4,547,202)	(\$4,471,016)	(\$4,388,347)	(\$4,299,697)	(\$4,205,498)	(\$4,160,102)
Rate Base Calculation:								
23	Cumulative Incremental Capital Included in Rate Base	Line 11	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)	(\$9,820,822)
24	Accumulated Depreciation	-Line 16	\$232,185	\$696,555	\$1,160,925	\$1,625,296	\$2,089,666	\$2,554,036
25	Deferred Tax Reserve	-Line 22	\$4,547,202	\$4,471,016	\$4,388,347	\$4,299,697	\$4,205,498	\$4,160,102
26	Year End Rate Base	Sum of Lines 23 through 25	(\$5,041,435)	(\$4,653,251)	(\$4,271,550)	(\$3,895,829)	(\$3,525,658)	(\$3,106,684)
Revenue Requirement Calculation:								
27	Average Rate Base	Column (a) = Current Year Line 26 ÷ 2; Column (b) = (Prior Year Line 26 + Current Year Line 26) ÷ 2	(\$2,520,717)	(\$4,847,343)	(\$4,462,400)	(\$4,083,689)	(\$3,710,743)	(\$3,316,171)
28	Pre-Tax ROR		9.84%	9.68%	9.68%	9.68%	9.68%	9.68%
29	Return and Taxes	Line 27 * Line 28	(\$248,039)	(\$469,223)	(\$431,960)	(\$395,301)	(\$359,200)	(\$321,005)
30	Book Depreciation	Line 15	(\$232,185)	(\$464,370)	(\$464,370)	(\$464,370)	(\$464,370)	(\$464,370)
31	Property Taxes	Year 1 = \$0, then Prior Year (Line 11 - Line 16) * Current Year Effective Property Tax rate	\$0	(\$350,952)	(\$374,039)	(\$324,300)	(\$335,967)	(\$289,520)
32	Annual Revenue Requirement	Sum of Lines 29 through 31	(\$480,224)	(\$1,284,545)	(\$1,270,370)	(\$1,183,971)	(\$1,159,537)	(\$1,074,896)
33	FY 2013 Revenue Requirement as reconciled through the FY 2016 Reconciliation Filing RIPUC Docket No. 4539		(\$433,148)	(\$1,160,601)	(\$1,133,816)	(\$1,075,239)	(\$1,042,296)	(\$963,881)
34	Transmission-related NOL adjustment		\$0	\$0	\$0	\$0	\$0	\$0
35	Work Order Write Off Adjustment		(\$47,076)	(\$123,944)	(\$136,554)	(\$108,732)	(\$117,241)	(\$107,656)
1/ Weighted Average Cost of Capital as approved in R.I.P.U.C. Docket No. 4323								
		Ratio	Rate	Rate	Taxes	Return		
	Long Term Debt	49.95%	4.96%	2.48%		2.48%		
	Short Term Debt	0.76%	0.79%	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%		7.17%	2.51%	9.68%		
2/ FY 2018 effective property tax rate of 3.75% per Page 19 of 26, Line 72(h)								

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of Tax Depreciation and Repairs Deduction on FY2013 Incremental Capital Investments

		Fiscal Year 2013 (a)	Fiscal Year 2014 (b)	Fiscal Year 2015 (c)	Fiscal Year 2016 (d)	Fiscal Year 2017 (e)	Fiscal Year 2018 (f)	Fiscal Year 2019 (g)
<u>Capital Repairs Deduction</u>								
1	Plant Additions	Page 12 of 26, Line 3						
2	Capital Repairs Deduction Rate	1/						
3	Capital Repairs Deduction	Line 1 * Line 2						
<u>Bonus Depreciation</u>								
4	Plant Additions	Line 1						
5	Less Capital Repairs Deduction	Line 3						
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5						
7	Percent of Plant Eligible for Bonus Depreciation							
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7						
9	Bonus Depreciation Rate (April 2012 - December 2012)	1 * 75% * 50%						
10	Bonus Depreciation Rate (January 2013 - March 2013)	1 * 25% * 50%						
11	Total Bonus Depreciation Rate	Line 9 + Line 10						
12	Bonus Depreciation	Line 8 * Line 11						
<u>Remaining Tax Depreciation</u>								
13	Plant Additions	Line 1						
14	Less Capital Repairs Deduction	Line 3						
15	Less Bonus Depreciation	Line 12						
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15						
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946						
18	Remaining Tax Depreciation	Line 16 * Line 17						
19	Cost of Removal	Page 12 of 26, Line 10 + Line 10a						
20	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19						

1/ Capital Repairs percentage is based on the FY 2013 tax return.

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2018 Revenue Requirement on FY 2012 Actual Incremental Capital Investment

Line No.		Fiscal Year 2012 (a)	Fiscal Year 2013 (b)	Fiscal Year 2014 (c)	Fiscal Year 2015 (d)	Fiscal Year 2016 (e)	Fiscal Year 2017 (f)	Fiscal Year 2018 (g)	Fiscal Year 2019 (h)
Capital Additions Allowance									
1	Non-Discretionary Capital Non-Discretionary	Per RIPUC Docket No. 4218	(\$4,019,686)	\$0	\$0	\$0	\$0	\$0	\$0
2	Discretionary Capital Lesser of Actual Discretionary Capital Additions or Spending or Approved Spending	Per RIPUC Docket No. 4218	\$4,163,942	\$0	\$0	\$0	\$0	\$0	\$0
3	Total Allowed Capital Included in Rate Base	Line 1 + Line 2	\$144,256	\$0	\$0	\$0	\$0	\$0	\$0
Depreciable Net Capital Included in Rate Base									
4	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 3	\$144,256	\$0	\$0	\$0	\$0	\$0	\$0
5			\$19,938	\$0	\$0	\$0	\$0	\$0	\$0
6	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Columns (b) through (h) = Prior Year Line 6	\$124,318	\$124,318	\$124,318	\$124,318	\$124,318	\$124,318	\$124,318
Change in Net Capital Included in Rate Base									
7	Incremental Capital Amount	Column (a) = Line 4, Columns (b) through (h) = Prior Year Line 7	\$144,256	\$144,256	\$144,256	\$144,256	\$144,256	\$144,256	\$144,256
8	Cost of Removal		(\$771,131)	(\$771,131)	(\$771,131)	(\$771,131)	(\$771,131)	(\$771,131)	(\$771,131)
9	Total Net Plant in Service	Line 7 + Line 8	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)
Deferred Tax Calculation:									
10	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4065	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%
11	Tax Depreciation	Page 15 of 26, Line 20	(\$654,965)	\$2,107	\$1,949	\$1,803	\$1,667	\$1,542	\$1,427
12	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	(\$654,965)	(\$652,858)	(\$650,909)	(\$649,107)	(\$647,439)	(\$645,897)	(\$644,471)
13	Book Depreciation	Column (a) = -Line 6 * Line 10 * 50%; Columns (b) through (h) = Line 6 * Line 10	(\$2,113)	(\$4,227)	(\$4,227)	(\$4,227)	(\$4,227)	(\$4,227)	(\$4,227)
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	(\$2,113)	(\$6,340)	(\$10,567)	(\$14,794)	(\$19,021)	(\$23,247)	(\$27,474)
15	Cumulative Book / Tax Timer	Line 12 - Line 14	(\$652,852)	(\$646,518)	(\$640,342)	(\$634,313)	(\$628,419)	(\$622,650)	(\$616,996)
16	Effective Tax Rate		35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%
17	Deferred Tax Reserve	Line 15 * Line 16	(\$228,498)	(\$226,281)	(\$224,120)	(\$222,009)	(\$219,947)	(\$217,927)	(\$215,949)
18	Less: FY 2013 Federal NOL	Page 21 of 26, Line 12(h)	(\$3,434,992)	(\$3,434,992)	(\$3,434,992)	(\$3,434,992)	(\$3,434,992)	(\$3,434,992)	(\$3,434,992)
19	Less: Proration Adjustment	Col (a) through (f) = n/a; Col (g) = Page 25 of 26, Line 40; Col (h) = Page 26 of 26, Line 40	\$0	\$0	\$0	\$0	\$0	(\$1,074)	(\$1,054)
20	Net Deferred Tax Reserve	Sum of Lines 17 through 19	(\$3,663,490)	(\$3,661,274)	(\$3,659,112)	(\$3,657,002)	(\$3,654,939)	(\$3,652,920)	(\$3,650,054)
Rate Base Calculation:									
21	Cumulative Incremental Capital Included in Rate Base	Line 9	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)	(\$626,875)
22	Accumulated Depreciation	-Line 14	\$2,113	\$6,340	\$10,567	\$14,794	\$19,021	\$23,247	\$27,474
23	Deferred Tax Reserve	-Line 20	\$3,663,490	\$3,661,274	\$3,659,112	\$3,657,002	\$3,654,939	\$3,652,920	\$3,650,054
24	Year End Rate Base	Sum of Lines 21 through 23	\$3,038,729	\$3,040,739	\$3,042,804	\$3,044,921	\$3,047,085	\$3,049,292	\$3,051,615
Revenue Requirement Calculation:									
25	Average Rate Base	(Prior Year Line 24 + Current Year Line 24) ÷ 2	\$1,519,364	\$3,039,734	\$3,041,771	\$3,043,862	\$3,046,003	\$3,048,188	\$3,050,953
26	Pre-Tax ROR		9.30%	9.84%	9.68%	9.68%	9.68%	9.68%	9.68%
27	Return and Taxes	Line 25 * Line 26	\$141,301	\$299,110	\$294,443	\$294,646	\$294,853	\$295,065	\$295,332
28	Book Depreciation	Line 13	(\$2,113)	(\$4,227)	(\$4,227)	(\$4,227)	(\$4,227)	(\$4,227)	(\$4,227)
29	Property Taxes	Year 1 = \$0, then Prior Year (Line 9 - Line 14) * Current Year Effective Property Tax rate	\$0	(\$21,523)	(\$22,710)	(\$24,344)	(\$23,626)	(\$24,918)	(\$22,605)
30	Annual Revenue Requirement	Sum of Lines 27 through 29	\$139,188	\$273,360	\$267,506	\$266,075	\$267,000	\$265,920	\$268,500
31	FY 2012 Revenue Requirement as reconciled through the FY 2016 Reconciliation Filing RIPUC Docket No. 4539		\$179,897	\$359,506	\$352,252	\$350,820	\$351,745	\$350,665	\$353,245
32	Transmission-related NOL adjustment		(\$40,709)	(\$86,146)	(\$84,746)	(\$84,745)	(\$84,745)	(\$84,745)	(\$84,745)

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

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	4.96%	2.48%		2.48%
Short Term Debt	0.76%	0.79%	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%		7.17%	2.51%	9.68%

2/ FY 2018 effective property tax rate of 3.75% per Page 19 of 26, Line 72(h)

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of Tax Depreciation and Repairs Deduction on FY2012 Incremental Capital Investments

Line No.			Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	
			2012	2013	2014	2015	2016	2017	2018	2019
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
<u>Capital Repairs Deduction</u>										
1	Plant Additions	Page 14 of 26, Line 3	\$144,256							
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 21.05%							
3	Capital Repairs Deduction	Line 1 * Line 2	\$30,366							
<u>Bonus Depreciation</u>										
4	Plant Additions	Line 1	\$144,256							
5	Less Capital Repairs Deduction	Line 3	\$30,366							
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$113,890							
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	2/ 85.00%							
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$96,807							
9	Bonus Depreciation Rate (April 2011 - December 2011)	1 * 75% * 100%	75.00%							
10	Bonus Depreciation Rate (January 2012 - March 2012)	1 * 25% * 50%	12.50%							
11	Total Bonus Depreciation Rate	Line 9 + Line 10	87.50%							
12	Bonus Depreciation	Line 8 * Line 11	\$84,706							
<u>Remaining Tax Depreciation</u>										
13	Plant Additions	Line 1	\$144,256							
14	Less Capital Repairs Deduction	Line 3	\$30,366							
15	Less Bonus Depreciation	Line 12	\$84,706							
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$29,184	\$29,184	\$29,184	\$29,184	\$29,184	\$29,184	\$29,184	\$29,184
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%	6.177%	5.713%	5.285%	4.888%	4.522%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$1,094	\$2,107	\$1,949	\$1,803	\$1,667	\$1,542	\$1,427	\$1,320
19	Cost of Removal	Page 14 of 26, Line 8	(\$771,131)							
20	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19	(\$654,965)	\$2,107	\$1,949	\$1,803	\$1,667	\$1,542	\$1,427	\$1,320

1/ Per Docket 4307 FY 2013 Electric ISR Reconciliation Filing at Attachment WRR-1, Page 8, Line 2

2/ Since not all property additions qualify for bonus depreciation and because a project must be started after the beginning of the bonus period, January 1, 2008, an estimate of 85% is used rather than 100%.

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2012 - 2014 Incremental Capital Investment Summary

Line No.		Actual Fiscal Year <u>2012</u> (a)	Actual Fiscal Year <u>2013</u> (b)	Fiscal Year <u>2014</u> (c)	
<u>Capital Investment</u>					
1	ISR - Eligible Capital Investment	Col (a) =FY 2012 ISR Reconciliation Filing Docket No. 4218; Col (b) = FY 2013 ISR Reconciliation Filing Docket No. 4307; Col (c) = FY 2014 ISR Reconciliation Filing Docket No. 4382	\$48,946,456	\$44,331,141	\$56,129,551
1a	Work Order Write Off Adjustment	Per Company's books	\$0	(\$784,153)	(\$481,907)
2	ISR - Eligible Capital Additions included in Rate Base per R.I.P.U.C. Docket No. 4323	Schedule MDL-3-ELEC Page 53, Docket No. 4323; Col (a)= Line Note 1(a); Col (b)= Line Note 2(b); Col (c)= Line Note 3(e)	\$48,802,200	\$51,366,341	\$42,805,284
3	Incremental ISR Capital Investment	Line 1 + Line 1a - Line 2	\$144,256	(\$7,819,353)	\$12,842,360
<u>Cost of Removal</u>					
4	ISR - Eligible Cost of Removal	Col (a) =FY 2012 ISR Reconciliation Filing Docket No. 4218; Col (b)= FY 2013 Reconciliation Filing Docket No. 4307; Col (c) = FY 2014 ISR Reconciliation Filing Docket No. 4382	\$5,807,869	5,179,941	\$5,007,992
4a	Work Order Write Off Adjustment	Per Company's books	\$0	(\$106,751)	(\$37,062)
5	ISR - Eligible Cost of Removal in Rate Base per R.I.P.U.C. Docket No. 4323	Workpaper MDL-19-ELEC Page 2, Docket No. 4323; Col (a)= Line Note 1(a); Col (b)= Line Note 2(b); Line Note 3(e)	\$6,579,000	\$7,075,000	\$5,895,833
6	Incremental Cost of Removal	Line 4 + Line 4a - Line 5	(\$771,131)	(\$2,001,810)	(\$924,903)
<u>Retirements</u>					
7	ISR - Eligible Retirements/Actual	Col (a)= FY 2012 ISR Reconciliation Filing Docket No. 4218; Col (b) = FY 2013 ISR Reconciliation Filing Docket No. 4307; Col (c) = FY 2014 ISR Reconciliation Filing Docket No. 4382	\$7,740,446	\$14,255,714	\$3,299,874
8	ISR - Eligible Retirements/Estimated	Col (a)= FY 2012 ISR Proposal Filing Docket No. 4218; Col (b)= FY 2013 ISR Proposal Filing Docket No. 4307; Col (c) = Line 2 (c) * 17.44% Retirement rate per Docket 4323 (Workpaper MDL-19-ELEC Page 3)	\$7,720,508	\$8,416,779	\$7,465,242
9	Incremental Retirements	Line 7 - Line 8	\$19,938	\$5,838,935	(\$4,165,367)

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
FY 2016 Capital Investment

Line No.	<u>Discretionary Capital</u>	Docket No. 4473 FY15 Reconciliation Att. AST-1 Page 12, Line 4	<u>Actuals</u> (a)
1	Cumulative FY 2015 Discretionary Capital ADDITIONS		\$123,541,880
2	FY 2016 Discretionary Capital ADDITIONS	Attachment JHP-1, Page 3, Table 1	\$35,488,464
3	Cumulative Actual Discretionary Capital Additions	Line 1 + Line 2	<u>\$159,030,344</u>
4	Cumulative FY 2015 Discretionary Capital SPENDING	Docket No. 4473 FY15 Reconciliation Att. AST-1 Page 12, Line 7	\$144,500,411
5	FY 2016 Discretionary Capital SPENDING	Attachment JHP-1, Page 5, Table 3	\$47,556,053
6	Cumulative Actual Discretionary Capital Spending	Line 4 + Line 5	<u>\$192,056,464</u>
			As Approved in Docket No. 4539
7	Cumulative FY 2015 Approved Discretionary Capital SPENDING	Docket No. 4473 FY15 Reconciliation Att. AST-1 Page 12, Line 10	\$127,736,150
8	FY 2016 Approved Discretionary Capital SPENDING	Docket No. 4539 FY16 Proposal, Section 2, Page 45, Chart 11	\$46,476,000
9	Cumulative Actual Approved Discretionary Capital Spending	Line 7 + Line 8	<u>\$174,212,150</u>
			Total Allowed
10	Cumulative Allowed Discretionary Capital Included in Rate Base	Lesser of Line 3, Line 6, or Line 9	\$159,030,344
11	Prior Year Cumulative Allowed Discretionary Capital Included in Rate Base	Docket No. 4473 FY15 Reconciliation Filing Att. AST-1, Page 12, Line 11	\$123,541,880
12	Total Allowed Discretionary Capital Included in Rate Base Current Year	Line 10 - Line 11	<u>\$35,488,464</u>

The Narragansett Electric Company
d/b/a National Grid
FY 2018 ISR Property Tax Recovery Adjustment
(000s)

Line	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	<u>RY End</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2014</u>			
1	Plant In Service	\$1,358,470	\$9,275	\$1,885	\$11,160		\$550	\$1,370,180			
2											
3	Accumulated Depr	\$611,570				\$7,498	\$550	\$618,789			
4											
5	Net Plant	\$746,900						\$751,391			
6											
7	Property Tax Expense	\$29,743						\$27,502			
8											
9	Effective Prop tax Rate	3.98%						3.66%			
10											
11											
12	Effective tax Rate Calculation	<u>End of FY 2014</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2015</u>		
13											
14	Plant In Service	\$1,370,180	\$76,340	\$5,801	\$82,141		(\$15,666)	\$1,436,655			
15											
16	Accumulated Depr	\$618,789				\$46,514	(\$15,666)	\$642,649			
17											
18	Net Plant	\$751,391						\$794,006			
19											
20	Property Tax Expense	\$27,502						\$32,549			
21											
22	Effective Prop tax Rate	3.66%						4.10%			
23											
24	Effective tax Rate Calculation	<u>End of FY 2015</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2016</u>		
25											
26	Plant In Service	\$1,436,655	\$72,003	\$17,773	\$89,777		(\$28,490)	\$1,497,942			
27											
28	Accumulated Depr	\$642,649				\$48,686	(\$28,490)	\$654,652			
29											
30	Net Plant	\$794,006						\$843,290			
31											
32	Property Tax Expense	\$32,549						\$31,580			
33											
34	Effective Prop tax Rate	4.10%						3.74%			
35											
36											
37	Property Tax Recovery Calculation										
38		<u>Cumulative Incre. ISR Prop. Tax for FY14</u>			<u>Cumulative Incre. ISR Prop. Tax for FY15</u>			<u>Cumulative Incre. ISR Prop. Tax for FY16</u>			
39			^{2 mos}								
40	ISR Additions		\$9,275				\$76,340		\$72,003		
41	Book Depreciation: base allowance on ISR eligible plant		(\$7,173)				(\$43,032)		(\$43,032)		
42	Book Depreciation: current year ISR additions		(\$324)				(\$1,031)		(\$740)		
43	COR		\$828				\$6,988		\$8,193		
44											
45	Net Plant Additions		\$2,605				\$39,266		\$36,425		
46											
47	RY Effective Tax Rate		3.98%				3.98%		3.98%		
48	ISR Property Tax Recovery on FY 2014 vintage investment			\$104				\$102		\$89	
49	ISR Property Tax Recovery on FY 2015 vintage investment							\$1,564		\$1,523	
50	ISR Property Tax Recovery on FY 2016 vintage investment									\$1,451	
51											
52											
53	ISR Year Effective Tax Rate	3.66%				4.10%		3.74%			
54	RY Effective Tax Rate	3.98%	-0.32%			3.98%	0.12%	3.98%	-0.24%		
55	RY Effective Tax Rate 2 mos for FY 2014		-0.05%								
56	RY Net Plant times 2 mo rate	\$746,900	-0.05%	(\$401)		\$746,900 * 0.12%	\$875	\$746,900 * -0.24%		(\$1,773)	
57	FY 2014 Net Adds times ISR Year Effective Tax rate	\$2,605	-0.32%	(\$8)		\$2,568 * 0.12%	\$3	\$2,234 * -0.24%		(\$5)	
58	FY 2015 Net Adds times ISR Year Effective Tax rate					\$39,266 * 0.12%	\$46	\$38,234 * -0.24%		(\$91)	
59	FY 2016 Net Adds times ISR Year Effective Tax rate							\$36,425 * -0.24%		(\$86)	
60	Total Property Tax due to rate differential			(\$409)				\$924		(\$1,869)	
61											
62	Total ISR Property Tax Recovery			(\$306)				\$2,590		\$1,193	
62a	As Approved in RIPUC Docket No. 4539			(\$304)				\$2,590		\$1,192	
62b	Work Order Write Off Adjustment			(2)			(0)			2	

The Narragansett Electric Company
d/b/a National Grid
FY 2018 ISR Property Tax Recovery Adjustment (continued)
(000s)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Effective tax Rate Calculation	End of FY 2016	ISR Additions	Non-ISR Add's	Total Add's	Bk Depr (1)	Retirements	COR	End of FY 2017
63 Plant In Service	\$1,497,942	\$78,478	\$3,550	\$82,028		(\$16,041)		\$1,563,929
64 Accumulated Depr	\$654,652				\$50,850	(\$16,041)	(\$9,800)	\$679,661
65 Net Plant	\$843,290							\$884,268
66 Property Tax Expense	\$31,580							\$36,250
67 Effective Prop tax Rate	3.74%							4.10%
Effective tax Rate Calculation	End of FY 2017	ISR Additions	Non-ISR Add's	Total Add's	Bk Depr (1)	Retirements	COR	End of FY 2018
68 Plant In Service	\$1,563,929	\$74,843	\$3,100	\$77,943		(\$16,457)		\$1,625,415
69 Accumulated Depr	\$679,661				\$53,017	(\$16,457)	(\$9,646)	\$706,575
70 Net Plant	\$884,268							\$918,840
71 Property Tax Expense	\$36,250							\$34,409
72 Effective Prop tax Rate	4.10%							3.74%
Property Tax Recovery Calculation								
	Cumulative Increm. ISR Prop. Tax for FY17				Cumulative Increm. ISR Prop. Tax for FY18			
73 ISR Additions		\$78,478				\$74,843		
74 Book Depreciation: base allowance on ISR eligible plant		(\$43,032)				(\$43,032)		
75 Book Depreciation: current year ISR additions		(\$1,061)				(\$993)		
76 COR		\$9,800				\$9,646		
77								
78 Net Plant Additions		\$44,185				\$40,465		
79								
80 RY Effective Tax Rate		3.98%				3.98%		
81 ISR Property Tax Recovery on FY 2014 vintage investment			\$76					\$62
82 ISR Property Tax Recovery on FY 2015 vintage investment			\$1,440					\$1,358
83 ISR Property Tax Recovery on FY 2016 vintage investment			\$1,392					\$1,333
84 ISR Property Tax Recovery on FY 2017 vintage investment			\$1,760					\$1,675
85 ISR Property Tax Recovery on FY 2018 vintage investment								\$1,611
86 ISR Year Effective Tax Rate	4.10%					3.74%		
87 RY Effective Tax Rate	3.98%	0.12%				3.98%	-0.24%	
88 RY Effective Tax Rate 2 mos for FY 2014								
89 RY Net Plant times 2 mo rate	\$746,900	* 0.12%	\$875			\$746,900	* -0.24%	(\$1,773)
90 FY 2014 Net Adds times ISR Year Effective Tax rate	\$1,900	* 0.12%	\$2			\$1,566	* -0.24%	(\$4)
91 FY 2015 Net Adds times ISR Year Effective Tax rate	\$36,171	* 0.12%	\$42			\$34,108	* -0.24%	(\$81)
92 FY 2016 Net Adds times ISR Year Effective Tax rate	\$34,945	* 0.12%	\$41			\$33,466	* -0.24%	(\$79)
93 FY 2017 Net Adds times ISR Year Effective Tax rate	\$44,185	* 0.12%	\$52			\$42,062	* -0.24%	(\$100)
94 FY 2018 Net Adds times ISR Year Effective Tax rate						\$40,465	* -0.24%	(\$96)
95 Total Property Tax due to rate differential			\$1,013					(\$2,133)
96								
97 Total ISR Property Tax Recovery			\$5,680					\$3,907

The Narragansett Electric Company
d/b/a National Grid
FY 2018 ISR Property Tax Recovery Adjustment (continued)
(000s)

Line Notes

1(a)-9(a) Per Rate Year cost of service
1(b) - 9(h) Per FY 2014 Electric ISR Reconciliation Filing per Docket 4382
14(a)-22(h) Per FY 2015 Electric ISR Reconciliation Filing per Docket 4473
26(a)-34(h) Per FY 2016 Electric ISR Reconciliation Filing per Docket 4539
40(a) - 62(c) Per FY 2014 Electric ISR Reconciliation Filing per Docket 4382
40(e)-62(g) Per FY 2015 Electric ISR Reconciliation Filing per Docket 4473
40(i)-62(k) Per FY 2016 Electric ISR Reconciliation Filing per Docket 4539
63(a) - 67(h) Per FY 2017 Electric ISR Compliance Filing per Docket 4592
68(a) Per Line 63(h)
68(b) Per Page 3 of 26, Line 1
68(c) FY 2018 forecasted in service amount
68(d) Line 68(b) + Line 68(c)
68(f) Per Page 2 of 26, Line 5
68(h) Line 68(a) + Line 68(d) +Line 68(f)
69(a) Per Line 64(h)
69(e) Rate Year depr allowance of \$44,986 * (Line 1(d)+1(f)* comp depr rate of 3.40%) + (Line 14(d)+14(f)* comp depr rate of 3.40%) + (Line 26(d)+26(f)*comp depr rate of 3.40%) + (Line 63(d)+63(f)*comp depr rate of 3.40%) + (Line 68(d) +68(f)*comp depr rate of 3.40%*50%)
69(f) Line 68(f)
69(g) Per Page 2 of 26, Line 10
69(h) Line 69(a) + Line 69(e) + Line 69(f) + Line 69(g)
71(a) Line 66(h)
71(h) Line 70(h) * Line 72(h)
72(a) Line 67(h)
72(h) Line 34(h); effective tax rate per FY 2016 Electric ISR Reconciliation Filing per Docket 4539

Line Notes

73(a) - 97(c) Per FY 2017 Electric ISR Compliance Filing per Docket 4592
73(f) Line 68(b)
74(f) Per Page 2 of 26, Line 8
75(f) Per Page 2 of 26, Line 16
76(f) Per Line 69(g)
78(f) Sum of Lines 73 through 76
80(f) Line 9(a)
81(h) Line 80(f) * Line 90(f)
82(h) Line 80(f) * Line 91(f)
83(h) Line 80(f) * Line 92(f)
84(h) Line 80(f) * Line 93(f)
85(h) Line 80(f) * Line 94(f)
86(f) Line 72(h)
87(f) Line 9(a)
87(g) Line 86(f) - Line 87(f)
89(f) Line 5(a)
90(f) Line 90(a) - ((Line 40(b)+Line 1(f))*3.40%)
91(f) Line 91(a) - ((Line 40(f)+Line 14(f))*3.40%)
92(f) Line 92(a) - ((Line 40(j)+Line 26(f))*3.40%)
93(f) Line 93(a) - ((Line 73(b)+Line 63(f))*3.40%)
94(f) Line 78(f)
89(g)-94(g) Line 87(g)
89(h)-94(h) Lines 89(f) through 94(f), Col (f) * Col (g)
95(h) Sum of Lines 89(h) through 94(h)
97(h) Sum of Lines 81(h) through 85(h) + Line 95(h)

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Deferred Income Tax ("DIT") Provisions and Net Operating Losses ("NOL")

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
								CY 2011	CY 2012	Jan-2013	Feb 13 - Jan 14			
								\$15,856,458	\$5,546,827	\$521,151	(\$1,967,911)			
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
1 Total Base Rate Plant DIT Provision														
2 Total Base Rate Plant DIT Provision								\$13,279,050	\$4,353,286	(\$1,639,926)	\$0	\$0	\$0	\$0
3 Incremental FY 12	(\$228,498)	(\$226,281)	(\$224,120)	(\$222,009)	(\$219,947)	(\$217,927)	(\$215,949)	(\$228,498)	\$2,217	\$2,161	\$2,110	\$2,063	\$2,019	\$1,979
4 Incremental FY 13		(\$2,013,121)	(\$1,937,607)	(\$2,045,965)	(\$1,957,316)	(\$1,863,117)	(\$1,763,799)			\$75,514	(\$108,358)	\$88,649	\$94,199	\$99,318
5 Incremental FY 14			\$2,763,058	\$2,543,022	\$2,439,963	\$2,329,465	\$2,212,064		(\$2,013,121)	\$2,763,058	(\$220,036)	(\$103,059)	(\$110,498)	(\$117,401)
6 FY 2015				\$24,793,846	\$24,814,134	\$24,778,689	\$24,691,831				\$24,793,846	\$20,288	(\$35,445)	(\$86,858)
7 FY 2016					\$18,950,456	\$19,142,825	\$19,281,874					\$18,950,456	\$192,369	\$139,049
8 FY 2017						\$20,821,940	\$20,852,979						\$20,821,940	\$31,039
9 FY 2018							\$19,606,374							\$19,606,374
10 TOTAL Plant DIT Provision	(\$228,498)	(\$2,239,403)	\$601,331	\$25,068,893	\$44,027,290	\$64,991,874	\$84,665,375	\$13,050,552	\$2,342,381	\$1,200,808	\$24,467,561	\$18,958,397	\$20,964,585	\$19,673,500
11 Distribution-related NOL								\$3,434,992	\$8,552,548	\$13,179,356	\$8,148,936	\$10,693,796	\$1,388,912	\$0
12 Lesser of Distribution-related NOL or DIT Provision								\$3,434,992	\$2,342,381	\$1,200,808	\$8,148,936	\$10,693,796	\$1,388,912	\$0
13 Total NOL								\$4,310,461	\$11,442,811	\$19,452,677	\$12,108,052	\$16,267,471	\$2,073,004	\$0
14 NOL recovered in transmission rates								\$875,468	\$2,890,262	\$6,273,321	\$3,959,116	\$5,573,675	\$684,091	\$0
15 Distribution-related NOL								\$3,434,992	\$8,552,548	\$13,179,356	\$8,148,936	\$10,693,796	\$1,388,912	\$0

1(h) Per Dkt 4323 Compliance filing Attachment 1, Page 64 of 71, Line 19(e) less Line 19(a)
1(i)-(k) Per Dkt 4323 Compliance filing Attachment 1, Page 70 of 71, Lines 32, 42, and 48
3(a)-9(g) ADIT per vintage year ISR revenue requirement calculations
3(h) -9(n) Year over year change in ADIT shown in Cols (a) through (e)
10 Sum of Lines 2 through 9
11 Line 15
12 Lesser of Line 10 or 11
13 Per Tax Department
14 Quarterly average transmission plant allocator per Integrated Facilities Agreement (IFA) * Line 13
15 Line 13 - Line 14

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
True-Up for FY 2012 through FY 2018 Net Operating Losses ("NOL")

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	Revenue Requirement Year						
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
1 Return on Rate Base	9.30%	9.84%	9.68%	9.68%	9.68%	9.68%	9.68%
	Vintage Capital Investment Year						
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
2 Lesser of NOL or DIT Provision	\$ 3,434,992	\$ 2,342,381	\$ 1,200,808	\$ 8,148,936	\$ 10,693,796	\$ 1,388,912	\$ -

Revenue Requirement Increase due to NOL

	Revenue Requirement Year						
Vintage Capital Investment Year	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
3 FY 2012	\$ 159,727	\$ 338,003	\$ 332,507	\$ 332,507	\$ 332,507	\$ 332,507	\$ 332,507
4 FY 2013	\$ -	\$ 115,245	\$ 226,743	\$ 226,743	\$ 226,743	\$ 226,743	\$ 226,743
5 FY 2014	\$ -	\$ -	\$ 25,833	\$ 116,238	\$ 116,238	\$ 116,238	\$ 116,238
6 FY 2015	\$ -	\$ -	\$ -	\$ 394,409	\$ 788,817	\$ 788,817	\$ 788,817
7 FY 2016	\$ -	\$ -	\$ -	\$ -	\$ 517,580	\$ 1,035,159	\$ 1,035,159
8 FY 2017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,223	\$ 134,447
9 FY 2018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10 TOTAL	\$ 159,727	\$ 453,248	\$ 585,082	\$ 1,069,897	\$ 1,981,885	\$ 2,566,688	\$ 2,633,911

1(a) Per Docket No. 4065

1(b)-(c) Per vintage year revenue requirement calculations at Page 12 of 26, and Page 10 of 26, respectively

2 Per Page 21 of 26, Line 12

3 Line 2(a) * Line 1(a) * 50%; Line 2(a) * Line 1(b); Line 2(a) * Line 1(c); Line 2(a) * Line 1(d); Line 2(a) * Line 1(e)

4 Line 2(b) * Line 1(b) * 50%; Line 2(b) * Line 1(c); Line 2(b) * Line 1(d); Line 2(b) * Line 1(e)

5 Line 2(c) * Line 1(c) * 23.23%; Line 2(c) * Line 1(d); Line 2(c) * Line 1(e)

6 Line 2(d) * Line 1(d) * 50%; Line 2(d) * Line 1(e); Line 2(d) * Line 1(f); Line 2(d) * Line 1(g)

7 Line 2(e) * Line 1(e) * 50%; Line 2(e) * Line 1(f); Line 2(e) * Line 1(g)

8 Line 2(f) * Line 1(f) * 50%; Line 2(f) * Line 1(g)

9 Line 2(g) * Line 1(g) * 50%

10 Sum of Lines 3 through 9

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
True-Up for FY 2012 through FY 2016 Transmission - Related Net Operating Losses ("NOL")

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
1 Return on Rate Base	9.30%	9.84%	9.68%	9.68%	9.68%	9.68%	9.68%
Vintage Capital Investment Year							
2 Lesser of total NOL or DIT Provision (as previously filed)	\$ 4,310,461	\$ 2,342,381	\$ 1,200,808	\$ 12,108,052	\$ 10,200,749	\$ 2,073,004	\$ -
2a Lesser of Distribution-related NOL or DIT Provision	\$ 3,434,992	\$ 2,342,381	\$ 1,200,808	\$ 8,148,936	\$ 6,705,697	\$ 1,388,912	\$ -
3 Transmission-related NOL adjustment	\$ (875,469)	\$ 0	\$ 0	\$ (3,959,116)	\$ (3,495,052)	\$ (684,092)	\$ -

Revenue Requirement Increase due to NOL

	Revenue Requirement Year						
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
4 FY 2012	\$ (40,709)	\$ (86,146)	\$ (84,745)	\$ (84,745)	\$ (84,745)	\$ (84,745)	\$ (84,745)
5 FY 2013	\$ -	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
6 FY 2014	\$ -	\$ -	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
7 FY 2015	\$ -	\$ -	\$ -	\$ (191,621)	\$ (383,242)	\$ (383,242)	\$ (383,242)
8 FY 2016	\$ -	\$ -	\$ -	\$ -	\$ (169,161)	\$ (338,321)	\$ (338,321)
9 FY 2017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (33,110)	\$ (66,220)
10 FY 2018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11 TOTAL	\$ (40,709)	\$ (86,146)	\$ (84,745)	\$ (276,367)	\$ (637,148)	\$ (839,419)	\$ (872,529)
12 Total FY 2012 through FY 2016 revenue requirement impact					\$ (1,125,115)		

- 1 Per Docket No. 4065
- 2 Per Docket No. 4539
- 2a Per Page 21 of 26, Line 12; Line 2a(e) = Line 2(e) * Quarterly average transmission plant allocator per Integrated Facilities Agreement (IFA)
- 3 Line 2a - Line 2
- 4 Line 3(a) * Line 1(a) * 50%; Line 3(a) * Line 1(b); Line 3(a) * Line 1(c); Line 3(a) * Line 1(d); Line 3(a) * Line 1(e); Line 3(a) * Line 1(f); Line 3(a) * Line 1(g)
- 5 Line 3(b) * Line 3(b) * 50%; Line 3(b) * Line 1(c); Line 3(b) * Line 1(d); Line 3(b) * Line 1(e); Line 3(b) * Line 1(f); Line 3(b) * Line 1(g)
- 6 Line 3(c) * Line 1(c) * 22.22%; Line 3(c) * Line 1(d); Line 3(c) * Line 1(e); Line 3(c) * Line 1(f); Line 3(c) * Line 1(g)
- 7 Line 3(d) * Line 1(d) * 50%; Line 3(d) * Line 1(e); Line 3(d) * Line 1(f); Line 3(d) * Line 1(g)
- 8 Line 3(e) * Line 1(e) * 50%; Line 3(e) * Line 1(f); Line 3(e) * Line 1(g)
- 9 Line 3(f) * Line 1(f) * 50%; Line 3(f) * Line 1(g)
- 10 Line 3(g) * Line 1(g) * 50%
- 11 Sum of Lines 4 through 10
- 12 Line 11(a) + Line 11(b) + Line 11(c) + Line 11(d) + Line 11(e)

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
True-Up for FY 2013 through FY 2016 Work Order Write Off Adjustment

	(a)	(b)	(c) Vintage Capital Investment Year		(d)	(e)	(f)
	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	
1 Total Net Plant in Service (as previously filed)	\$ (8,929,918)	\$ 5,263,028	\$ 40,613,665	\$ 36,614,111	\$ 45,246,226	\$ 41,457,226	
1a Total Net Plant in Service	\$ (9,820,822)	\$ 4,744,059	\$ 40,319,425	\$ 37,144,770	\$ 45,246,226	\$ 41,457,226	
2 Work Order Write Off Adjustment	\$ (890,904)	\$ (518,969)	\$ (294,240)	\$ 530,659	\$ -	\$ -	

Revenue Requirement Decrease due to Work Order Write Off Adjustment

	Vintage Capital Investment Year		Revenue Requirement Year			
	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
3 FY 2013	\$ (47,076)	\$ (123,944)	\$ (136,554)	\$ (108,732)	\$ (117,241)	\$ (111,015)
4 FY 2014	\$ -	\$ (19,800)	\$ (53,014)	\$ (51,607)	\$ (50,229)	\$ (48,810)
5 FY 2015	\$ -	\$ -	\$ (16,457)	\$ (32,427)	\$ (31,462)	\$ (30,490)
6 FY 2016	\$ -	\$ -	\$ -	\$ 29,263	\$ 57,675	\$ 55,951
7 FY 2017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8 FY 2018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9 TOTAL	\$ (47,076)	\$ (143,744)	\$ (206,024)	\$ (163,502)	\$ (141,257)	\$ (134,363)
10 Total FY 2013 through FY 2016 revenue requirement impact						\$ (560,347)

- 1 Per Docket No. 4539
- 1(a) Per FY 2013 through FY 2016 Total Net Plant in Service reflected in the vintage year revenue requirement calculations
- 2 Line 1a - Line 1
- 3 Col (a) through Col (f) = Page 12 of 26 , Line 35
- 4 Col (a) through Col (f) = Page 10 of 26 , Line 35
- 5 Col (a) through Col (f) = Page 8 of 26 , Line 35
- 6 Col (a) through Col (f) = Page 6 of 26 , Line 35
- 9 Sum of Lines 3 through 8
- 10 Line 9(a) + Line 9(b) + Line 9(c) + Line 9(d)

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of FY 2018 Net Deferred Tax Reserve Proration

Line No.	Deferred Tax Subject to Proration		(a)=Sum of (b) through (h)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
			Total	Vintage Year 2018	Vintage Year 2017	Vintage Year 2016	Vintage Year 2015	Vintage Year 2014	Vintage Year 2013	Vintage Year 2012		
1	Book Depreciation	Col (b) = Page 2 of 26, Line 16; Col (c) = Page 4 of 26, Line 15; Col (d) = Page 6 of 26, Line 16; Col (e) = Page 8 of 26, Line 16; Col (f) = Page 10 of 26, Line 16; Col (g) = Page 12 of 26, Line 15; Col (h) = Page 14 of 26, Line 13		\$6,767,472	\$992,555	\$2,122,861	\$1,479,463	\$2,062,926	\$578,263	(\$464,370)	(\$4,227)	
2	Bonus Depreciation	Page 3 of 26, Line 12	(\$26,966,349)	(\$26,966,349)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3	Remaining MACRS Tax Depreciation	Col (b) = Page 3 of 26, Line 18; Col (c) = Page 5 of 26, Line 18; Col (d) = Page 7 of 26, Line 18; Col (e) = Page 9 of 26, Line 18; Col (f) = Page 11 of 26, Line 18; Col (g) = Page 13 of 26, Line 18; Col (h) = Page 15 of 26, Line 18		(\$7,105,894)	(\$1,139,188)	(\$2,211,545)	(\$1,876,746)	(\$1,814,760)	(242,832)	\$180,604	(\$1,427)	
4	FY18 tax (gain)/loss on retirements	Page 3 of 26, Line 19	(\$1,760,937)	(\$1,760,937)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4	(\$29,065,708)	(\$28,873,919)	(\$88,684)	(\$397,283)	\$248,166	\$335,430	(\$283,766)	(\$5,653)	(\$5,653)	
6	Effective Tax Rate		35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	
7	Deferred Tax Reserve	Line 5 * Line 6	(\$10,172,998)	(\$10,105,872)	(\$31,039)	(\$139,049)	\$86,858	\$117,401	(\$99,318)	(\$1,979)	(\$1,979)	
Deferred Tax Not Subject to Proration												
8	Capital Repairs Deduction	Page 3 of 26, Line 3	(\$17,498,293)	(\$17,498,293)								
9	Cost of Removal	Page 3 of 26, Line 20	(\$9,646,000)	(\$9,646,000)								
10	Book/Tax Depreciation Timing Difference at 3/31/2017		\$0	\$0								
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10	(\$27,144,293)	(\$27,144,293)								
12	Effective Tax Rate		35.00%	35.00%								
13	Deferred Tax Reserve	Line 11 * Line 12	(\$9,500,503)	(\$9,500,503)								
14	Total Deferred Tax Reserve	Line 7 + Line 13	(\$19,673,500)	(\$19,606,374)	(\$31,039)	(\$139,049)	\$86,858	\$117,401	(\$99,318)	(\$1,979)	(\$1,979)	
15	Net Operating Loss	Page 2 of 26, Line 21	\$0	\$0								
16	Net Deferred Tax Reserve	Line 14 + Line 15	(\$19,673,500)	(\$19,606,374)	(\$31,039)	(\$139,049)	\$86,858	\$117,401	(\$99,318)	(\$1,979)	(\$1,979)	
Allocation of FY 2018 Estimated Federal NOL												
17	Cumulative Book/Tax Timer Subject to Proration	Col (b) = Line 5	(\$28,873,919)	(\$28,873,919)								
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11	(\$27,144,293)	(\$27,144,293)								
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18	(\$56,018,212)	(\$56,018,212)								
20	Total FY 2018 Federal NOL	(Page 2 of 26, Line 21) / 35%	\$0	\$0								
21	Allocated FY 2018 Federal NOL Not Subject to Proration	(Line 18 / Line 19) * Line 20	\$0	\$0								
22	Allocated FY 2018 Federal NOL Subject to Proration	(Line 17 / Line 19) * Line 20	\$0	\$0								
23	Effective Tax Rate		35.00%	35.00%								
24	Deferred Tax Benefit subject to proration	Line 22 * Line 23	\$0	\$0								
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24	(\$10,172,998)	(\$10,105,872)	(\$31,039)	(\$139,049)	\$86,858	\$117,401	(\$99,318)	(\$1,979)	(\$1,979)	
Proration Calculation												
			(i)	(j)								
			<u>Number of Days in</u>		(k)= Sum of (l) through (r)							
	<u>Month</u>	<u>Proration Percentage</u>			(l)	(m)	(n)	(o)	(p)	(q)	(r)	
26	April 2017	30	91.78%		(\$778,072)	(\$772,938)	(\$2,374)	(\$10,635)	\$6,643	\$8,979	(\$7,596)	(\$151)
27	May 2017	31	83.29%		(\$706,071)	(\$701,412)	(\$2,154)	(\$9,651)	\$6,029	\$8,148	(\$6,893)	(\$137)
28	June 2017	30	75.07%		(\$636,393)	(\$632,194)	(\$1,942)	(\$8,698)	\$5,434	\$7,344	(\$6,213)	(\$124)
29	July 2017	31	66.58%		(\$564,392)	(\$560,668)	(\$1,722)	(\$7,714)	\$4,819	\$6,513	(\$5,510)	(\$110)
30	August 2017	31	58.08%		(\$492,392)	(\$489,143)	(\$1,502)	(\$6,730)	\$4,204	\$5,682	(\$4,807)	(\$96)
31	September 2017	30	49.86%		(\$422,714)	(\$419,924)	(\$1,290)	(\$5,778)	\$3,609	\$4,878	(\$4,127)	(\$82)
32	October 2017	31	41.37%		(\$350,713)	(\$348,399)	(\$1,070)	(\$4,794)	\$2,994	\$4,047	(\$3,424)	(\$68)
33	November 2017	30	33.15%		(\$281,035)	(\$279,180)	(\$857)	(\$3,841)	\$2,400	\$3,243	(\$2,744)	(\$55)
34	December 2017	31	24.66%		(\$209,034)	(\$207,655)	(\$638)	(\$2,857)	\$1,785	\$2,412	(\$2,041)	(\$41)
35	January 2018	31	16.16%		(\$137,034)	(\$136,129)	(\$418)	(\$1,873)	\$1,170	\$1,581	(\$1,338)	(\$27)
36	February 2018	28	8.49%		(\$72,001)	(\$71,526)	(\$220)	(\$984)	\$615	\$831	(\$703)	(\$14)
37	March 2018	31	0.00%		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38	Total	365			(\$4,649,850)	(\$4,619,168)	(\$14,187)	(\$63,556)	\$39,701	\$53,661	(\$45,396)	(\$904)
39	Deferred Tax Without Proration	Line 25			(\$10,172,998)	(\$10,105,872)	(\$31,039)	(\$139,049)	\$86,858	\$117,401	(\$99,318)	(\$1,979)
40	Proration Adjustment	Line 38 - Line 39			\$5,523,148	\$5,486,704	\$16,852	\$75,493	(\$47,157)	(\$63,739)	\$53,922	\$1,074

Column Notes:

- (j) Sum of remaining days in the year (Col (i)) = 365
- (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

The Narragansett Electric Company
d/b/a National Grid
Electric Infrastructure, Safety, and Reliability (ISR) Plan
Calculation of FY 2019 Net Deferred Tax Reserve Proration

Line No.			(a)=Sum of (b) through (h)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
			Total	Vintage Year 2018	Vintage Year 2017	Vintage Year 2016	Vintage Year 2015	Vintage Year 2014	Vintage Year 2013	Vintage Year 2012	
	Deferred Tax Subject to Proration										
1	Book Depreciation	Col (b) = Page 2 of 26, Line 16; Col (c) = Page 4 of 26, Line 15; Col (d) = Page 6 of 26, Line 16; Col (e) = Page 8 of 26, Line 16; Col (f) = Page 10 of 26, Line 16; Col (g) = Page 12 of 26, Line 15; Col (h) = Page 14 of 26, Line 13	\$7,760,027	\$1,985,110	\$2,122,861	\$1,479,463	\$2,062,926	\$578,263	(\$464,370)	(\$4,227)	
2	Bonus Depreciation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3	Remaining MACRS Tax Depreciation	Col (b) = Page 3 of 26, Line 18; Col (c) = Page 5 of 26, Line 18; Col (d) = Page 7 of 26, Line 18; Col (e) = Page 9 of 26, Line 18; Col (f) = Page 11 of 26, Line 18; Col (g) = Page 13 of 26, Line 18; Col (h) = Page 15 of 26, Line 18	(\$7,712,088)	(\$2,193,014)	(\$2,045,503)	(\$1,736,208)	(\$1,678,440)	(\$224,640)	\$167,038	(\$1,320)	
4	FY18 tax (gain)/loss on retirements		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4	\$47,940	(\$207,904)	\$77,358	(\$256,745)	\$384,486	\$353,622	(\$297,333)	(\$5,547)	
6	Effective Tax Rate		35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	
7	Deferred Tax Reserve	Line 5 * Line 6	\$16,779	(\$72,766)	\$27,075	(\$89,861)	\$134,570	\$123,768	(\$104,066)	(\$1,941)	
	Deferred Tax Not Subject to Proration										
8	Capital Repairs Deduction		\$0	\$0							
9	Cost of Removal		\$0	\$0							
10	Book/Tax Depreciation Timing Difference at 3/31/2017		\$0	\$0							
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10	\$0	\$0							
12	Effective Tax Rate		35.00%	35.00%							
13	Deferred Tax Reserve	Line 11 * Line 12	\$0	\$0							
14	Total Deferred Tax Reserve	Line 7 + Line 13	\$16,779	(\$72,766)	\$27,075	(\$89,861)	\$134,570	\$123,768	(\$104,066)	(\$1,941)	
15	Net Operating Loss		\$0	\$0							
16	Net Deferred Tax Reserve	Line 14 + Line 15	\$16,779	(\$72,766)	\$27,075	(\$89,861)	\$134,570	\$123,768	(\$104,066)	(\$1,941)	
	Allocation of FY 2018 Estimated Federal NOL										
17	Cumulative Book/Tax Timer Subject to Proration	Col (b) = Line 5	(\$207,904)	(\$207,904)							
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11	\$0	\$0							
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18	(\$207,904)	(\$207,904)							
20	Total FY 2018 Federal NOL		\$0	\$0							
21	Allocated FY 2018 Federal NOL Not Subject to Proration	(Line 18 / Line 19) * Line 20	\$0	\$0							
22	Allocated FY 2018 Federal NOL Subject to Proration	(Line 17 / Line 19) * Line 20	\$0	\$0							
23	Effective Tax Rate		35.00%	35.00%							
24	Deferred Tax Benefit subject to proration	Line 22 * Line 23	\$0	\$0							
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24	\$16,779	(\$72,766)	\$27,075	(\$89,861)	\$134,570	\$123,768	(\$104,066)	(\$1,941)	
		(i) (j)									
	Proration Calculation										
		<u>Number of Days in Month</u>	<u>Proration Percentage</u>	(k)= Sum of (l) through (r)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
26	April 2017	30	91.78%	\$1,283	(\$5,565)	\$2,071	(\$6,873)	\$10,292	\$9,466	(\$7,959)	(\$148)
27	May 2017	31	83.29%	\$1,165	(\$5,050)	\$1,879	(\$6,237)	\$9,340	\$8,590	(\$7,223)	(\$135)
28	June 2017	30	75.07%	\$1,050	(\$4,552)	\$1,694	(\$5,621)	\$8,418	\$7,743	(\$6,510)	(\$121)
29	July 2017	31	66.58%	\$931	(\$4,037)	\$1,502	(\$4,985)	\$7,466	\$6,867	(\$5,774)	(\$108)
30	August 2017	31	58.08%	\$812	(\$3,522)	\$1,310	(\$4,349)	\$6,513	\$5,991	(\$5,037)	(\$94)
31	September 2017	30	49.86%	\$697	(\$3,024)	\$1,125	(\$3,734)	\$5,592	\$5,143	(\$4,324)	(\$81)
32	October 2017	31	41.37%	\$578	(\$2,509)	\$933	(\$3,098)	\$4,639	\$4,267	(\$3,588)	(\$67)
33	November 2017	30	33.15%	\$464	(\$2,010)	\$748	(\$2,482)	\$3,718	\$3,419	(\$2,875)	(\$54)
34	December 2017	31	24.66%	\$345	(\$1,495)	\$556	(\$1,846)	\$2,765	\$2,543	(\$2,138)	(\$40)
35	January 2018	31	16.16%	\$226	(\$980)	\$365	(\$1,210)	\$1,813	\$1,667	(\$1,402)	(\$26)
36	February 2018	28	8.49%	\$119	(\$515)	\$192	(\$636)	\$952	\$876	(\$737)	(\$14)
37	March 2018	31	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38	Total	365		\$7,669	(\$33,260)	\$12,376	(\$41,073)	\$61,509	\$56,572	(\$47,566)	(\$887)
39	Deferred Tax Without Proration	Line 25	\$16,779	(\$72,766)	\$27,075	(\$89,861)	\$134,570	\$123,768	(\$104,066)	(\$1,941)	
40	Proration Adjustment	Line 38 - Line 39	(\$9,110)	\$39,506	(\$14,700)	\$48,787	(\$73,061)	(\$67,196)	\$56,500	\$1,054	

Column Notes:

- (j) Sum of remaining days in the year (Col (i)) - 365
- (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

The Narragansett Electric Company
Infrastructure, Safety and Reliability Plan Factors Calculations - Summary
Summary of Proposed Factors
(for the 12 months beginning April 1, 2017)

	Residential <u>A16 / A60</u> (a)	Small Commercial & Industrial <u>C-06</u> (b)	General Commercial & Industrial <u>G-02</u> (c)	Large Demand <u>B32</u> (d)	Large Demand <u>G32</u> (e)	Optional Large Demand <u>B62</u> (f)	Optional Large Demand <u>G62</u> (g)	Street Lighting <u>S05/S06/S10/S14</u> (h)	Electric Propulsion <u>X-01</u> (i)
(1) O&M Factor per kWh	\$0.00163	\$0.00169	\$0.00122	\$0.00079	\$0.00079	n/a	n/a	\$0.01273	\$0.00123
(2) O&M Factor per kW	n/a	n/a	n/a	\$0.04	n/a	\$0.03	\$0.36	n/a	n/a
(3) CapEx kWh Charge	\$0.00288	\$0.00269	n/a	n/a	n/a	n/a	n/a	\$0.01422	\$0.00217
(4) CapEx kW Charge	n/a	n/a	\$0.67	\$0.07	\$0.71	\$0.06	\$0.55	n/a	n/a
Supplemental Service CapEx kW (5) Charge - Back-up Rates	n/a	n/a	n/a	\$0.71	n/a	\$0.55	n/a	n/a	n/a
(6) Base Distribution kW Charge - Back-up Rates	n/a	n/a	n/a	\$0.70	n/a	\$0.30	n/a	n/a	n/a

- (1) Page 2, Line (6); Column (d) applicable to supplemental kWh deliveries only
- (2) Column (d) per Page 4, Column (a), Line (4), applicable to backup service only
Column (f) per Page 4, Column (b), Line (4)
Column (g) per Page 2, Column (f), Line (8)
- (3) Page 3, Line (6)
- (4) Columns (c), (e) and (g) per Page 3, Line (8)
Column (d) per Page 4, Column (a), Line (6), applicable to backup service only
Column (f) per Page 4, Column (b), Line (6)
- (5) Demand charges for Supplemental Service Only
Equivalent to Column (e), Line (4) for Rate Class B-32
Equivalent to Column (g), Line (4) for Rate Class B-62
- (6) Column (d) per Page 4, Column (a), Line (8), applicable to backup service only
Column (f) per Page 4, Column (b), Line (8)

The Narragansett Electric Company
FY18 Proposed Operations & Maintenance Factors
(for the 12 months beginning April 1, 2017)

	<u>Total</u>	<u>Residential</u>	<u>Small</u>	<u>General</u>	<u>Large Demand</u>	<u>Optional Large</u>	<u>Street Lighting</u>	<u>Electric</u>
	<u>(a)</u>	<u>A16 / A60</u>	<u>Commercial & Industrial C-06</u>	<u>Commercial & Industrial G-02</u>	<u>B32 / G32</u>	<u>Demand B62 / G62</u>	<u>S05/S06/S10/S14</u>	<u>Propulsion X-01</u>
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
(1) FY2018 Forecasted Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense	\$10,306,051							
(2) Operating & Maintenance Expense - Rate Year Allowance (\$000s)	\$35,640	\$17,115	\$3,503	\$5,508	\$5,438	\$1,306	\$2,668	\$102
(3) Percentage of Total	100.00%	48.02%	9.83%	15.45%	15.26%	3.66%	7.49%	0.29%
(4) Allocated Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense	\$10,306,051	\$4,949,160	\$1,012,966	\$1,592,753	\$1,572,511	\$377,657	\$771,508	\$29,495
(5) Forecasted kWh - April 2017 through March 2018	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	431,021,320	60,569,751	23,878,126
(6) Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense Charge per kWh		\$0.00163	\$0.00169	\$0.00122	\$0.00079	n/a	\$0.01273	\$0.00123
(7) Forecasted kW - April 2017 through March 2018						1,037,528		
(8) Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense Charge per kW		n/a	n/a	n/a	n/a	\$0.36	n/a	n/a

- (1) per Revised Section 5: Attachment 1S, page 1, line 4, column (b)
- (2) per R.I.P.U.C. 4323, Compliance Attachment 3A, (Schedule HSG-1), page 4, line 72
- (3) Line (2) ÷ Line (2) Total Column
- (4) Line (1) Total Column x Line (3)
- (5) per Company forecasts
- (6) Line (4) ÷ Line (5), truncated to 5 decimal places
- (7) per Company forecasts
- (8) Line (4) ÷ Line (7), truncated to 2 decimal places

The Narragansett Electric Company
FY18 Proposed CapEx Factors
(for the 12 months beginning April 1, 2017)

	<u>Total</u>	<u>Residential</u>	<u>Small</u>	<u>General</u>	<u>Large Demand</u>	<u>Optional Large</u>	<u>Street Lighting</u>	<u>Electric</u>
	<u>(a)</u>	<u>A16 / A60</u>	<u>Commercial &</u>	<u>Commercial &</u>	<u>B32 / G32</u>	<u>Demand</u>	<u>S05/S06/S10/S14</u>	<u>Propulsion</u>
		<u>(b)</u>	<u>Industrial</u>	<u>Industrial</u>	<u>(e)</u>	<u>B62 / G62</u>	<u>(g)</u>	<u>X-01</u>
			<u>C-06</u>	<u>G-02</u>		<u>(f)</u>		<u>(h)</u>
			<u>(c)</u>	<u>(d)</u>				
(1) Proposed FY2018 Capital Investment Component of Revenue Requirement	\$16,531,128							
(2) Total Rate Base (\$000s)	\$561,738	\$296,490	\$54,542	\$82,460	\$77,651	\$19,545	\$29,286	\$1,764
(3) Percentage of Total	100.00%	52.78%	9.71%	14.68%	13.82%	3.48%	5.21%	0.31%
(4) Allocated Proposed Revenue Requirement	\$16,531,128	\$8,725,259	\$1,605,094	\$2,426,678	\$2,285,161	\$575,183	\$861,854	\$51,900
(5) Forecasted kWh - April 2017 through March 2018	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	431,021,320	60,569,751	23,878,126
(6) Proposed CapEx Factor - kWh charge		\$0.00288	\$0.00269	n/a	n/a	n/a	\$0.01422	\$0.00217
(7) Forecasted kW - April 2017 through March 2018				3,595,715	3,204,270	1,037,528		
(8) Proposed CapEx Factor - kW Charge		n/a	n/a	\$0.67	\$0.71	\$0.55	n/a	n/a

- (1) per Revised Section 5: Attachment 1S, page 1, Line (18), Column (b)
 - (2) per R.I.P.U.C. 4323, Compliance Attachment 3A, (Schedule HSG-1), Page 2, Line (10)
 - (3) Line (2) ÷ Line (2) Total Column
 - (4) Line (1) Total Column x Line (3)
 - (5) per Company forecasts
 - (6) For non demand-based rate classes, Line (4) ÷ Line (5), truncated to 5 decimal places
 - (7) per Company forecasts
 - (8) For demand-based rate classes, Line (4) ÷ Line (7), truncated to 2 decimal places
- Note: charges apply to kW>10 for rate class G-02 and kW>200 for rate class B32/G32

The Narragansett Electric Company
Calculation of Operations & Maintenance and CapEx Factors and Base Distribution Charge for Back-up Service Rates

	Large Demand <u>B32</u> (a)	Optional Large Demand <u>B62</u> (b)
<u>Operations & Maintenance Factors</u>		
(1) Allocated Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense	\$1,572,511	\$377,657
(2) Forecasted kW - April 2017 through March 2018	3,204,270	1,037,528
Vegetation Management (VM) and Inspection & Maintenance (I&M) O&M Expense Charge per kW	\$0.49	\$0.36
(3) Charge per kW	\$0.49	\$0.36
(4) Discounted O&M kW Factor effective 4/01/2017	\$0.04	\$0.03
<u>CapEx Factors</u>		
(5) Proposed CapEx kW Factor Charge effective 4/01/2017	\$0.71	\$0.55
(6) Discounted CapEx kW Factor Charge effective 4/1/2017	\$0.07	\$0.06
<u>Base Distribution Charge</u>		
(7) Base Distribution kW Charge (before 90% discount) per most recent rate case	\$6.96	\$2.99
(8) Discounted Base Distribution kW Factor Charge effective 4/1/2017	\$0.70	\$0.30
(9) Sum of O&M and CapEx Factors and Base Distribution Charge for Back-up Service Rates	\$0.81	\$0.39

- (1) Page 2, Line (4)
- (2) per Company Forecasts
- (3) Line (1) ÷ Line (2), truncated to 2 decimal places
- (4) Line (3) x .10, truncated to two decimal places
- (5) Page 3, Line (8)
- (6) Line (5) x .10, truncated to two decimal places
- (7) per R.I.P.U.C. 4323 Compliance Attachment 3D, (Schedule JAL-4), Page 5, Line (36) and Page 6, Line (14), Column (b)
- (8) Line (7) x .10, truncated to two decimal places
- (9) Line (4) + Line (6) + Line (8)

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				
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total		% of Total Bill			
															Delivery	SOS	GET
150	\$19.16	\$12.27	\$1.31	\$32.74	\$19.14	\$12.27	\$1.31	\$32.72	(\$0.02)	\$0.00	\$0.00	(\$0.02)	0.0%	0.0%	-0.1%	-0.1%	13.7%
300	\$32.29	\$24.54	\$2.37	\$59.20	\$32.26	\$24.54	\$2.37	\$59.17	(\$0.03)	\$0.00	\$0.00	(\$0.03)	0.0%	0.0%	-0.1%	-0.1%	17.5%
400	\$41.04	\$32.72	\$3.07	\$76.83	\$41.00	\$32.72	\$3.07	\$76.79	(\$0.04)	\$0.00	\$0.00	(\$0.04)	0.0%	0.0%	-0.1%	-0.1%	11.8%
500	\$49.80	\$40.90	\$3.78	\$94.48	\$49.75	\$40.90	\$3.78	\$94.43	(\$0.05)	\$0.00	\$0.00	(\$0.05)	0.0%	0.0%	-0.1%	-0.1%	10.8%
600	\$58.55	\$49.07	\$4.48	\$112.10	\$58.49	\$49.07	\$4.48	\$112.04	(\$0.06)	\$0.00	\$0.00	(\$0.06)	0.0%	0.0%	-0.1%	-0.1%	9.4%
700	\$67.30	\$57.25	\$5.19	\$129.74	\$67.23	\$57.25	\$5.19	\$129.67	(\$0.07)	\$0.00	\$0.00	(\$0.07)	0.0%	0.0%	-0.1%	-0.1%	7.7%
1,200	\$111.07	\$98.15	\$8.72	\$217.94	\$110.95	\$98.15	\$8.71	\$217.81	(\$0.12)	\$0.00	(\$0.01)	(\$0.13)	0.0%	0.0%	-0.1%	-0.1%	15.0%
2,000	\$181.09	\$163.58	\$14.56	\$359.03	\$180.89	\$163.58	\$14.35	\$358.82	(\$0.20)	\$0.00	(\$0.01)	(\$0.21)	0.0%	0.0%	-0.1%	-0.1%	14.1%

Proposed Rates

	Present Rates	Proposed Rates
Customer Charge	\$5.00	\$5.00
RE Growth Factor	\$0.22	\$0.22
LIHEAP Charge	\$0.81	\$0.81
Transmission Energy Charge	kWh x \$0.02705	\$0.02705
Distribution Energy Charge	kWh x \$0.04278	\$0.04268 (2)
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08179	\$0.08179

Note (1): includes the current CapEx Factor of 0.307¢/kWh and the current O&M Factor of 0.154¢/kWh

Note (2): includes the revised proposed CapEx Factor of 0.288¢/kWh and the proposed O&M Factor of 0.163¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-60 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)				Percentage of Customers				
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total		% of Total Bill			
														Delivery	SOS	GET	Total
150	\$12.14	\$12.27	\$1.02	\$25.43	\$12.12	\$12.27	\$1.02	\$25.41	(\$0.02)	\$0.00	\$0.00	(\$0.02)	-0.1%	0.0%	0.0%	-0.1%	13.7%
300	\$23.25	\$24.54	\$1.99	\$49.78	\$23.22	\$24.54	\$1.99	\$49.75	(\$0.03)	\$0.00	\$0.00	(\$0.03)	-0.1%	0.0%	0.0%	-0.1%	17.5%
400	\$30.65	\$32.72	\$2.64	\$66.01	\$30.61	\$32.72	\$2.64	\$65.97	(\$0.04)	\$0.00	\$0.00	(\$0.04)	-0.1%	0.0%	0.0%	-0.1%	11.8%
500	\$38.06	\$40.90	\$3.29	\$82.25	\$38.01	\$40.90	\$3.29	\$82.20	(\$0.05)	\$0.00	\$0.00	(\$0.05)	-0.1%	0.0%	0.0%	-0.1%	10.8%
600	\$45.47	\$49.07	\$3.94	\$98.48	\$45.41	\$49.07	\$3.94	\$98.42	(\$0.06)	\$0.00	\$0.00	(\$0.06)	-0.1%	0.0%	0.0%	-0.1%	9.4%
700	\$52.87	\$57.25	\$4.59	\$114.71	\$52.80	\$57.25	\$4.59	\$114.64	(\$0.07)	\$0.00	\$0.00	(\$0.07)	-0.1%	0.0%	0.0%	-0.1%	7.7%
1,200	\$89.90	\$98.15	\$7.84	\$195.89	\$89.78	\$98.15	\$7.83	\$195.76	(\$0.12)	\$0.00	(\$0.01)	(\$0.13)	-0.1%	0.0%	0.0%	-0.1%	15.0%
2,000	\$149.15	\$163.58	\$13.03	\$325.76	\$148.95	\$163.58	\$13.02	\$325.55	(\$0.20)	\$0.00	(\$0.01)	(\$0.21)	-0.1%	0.0%	0.0%	-0.1%	14.1%

Proposed Rates

	Delivery	SOS	GET	Total
Customer Charge	\$0.00			\$0.00
RE Growth Factor	\$0.22			\$0.22
LIHEAP Charge	\$0.81			\$0.81
Transmission Energy Charge	kWh x		\$0.02705	
Distribution Energy Charge	kWh x		\$0.02921	
Transition Energy Charge	kWh x		(\$0.00058)	
Energy Efficiency Program Charge	kWh x		\$0.01154	
Renewable Energy Distribution Charge	kWh x		\$0.00674	
Gross Earnings Tax		4%		
Standard Offer Charge	kWh x		\$0.08179	

Present Rates

	Delivery	SOS	GET	Total
Customer Charge	\$0.00			\$0.00
RE Growth Factor	\$0.22			\$0.22
LIHEAP Charge	\$0.81			\$0.81
Transmission Energy Charge	kWh x		\$0.02705	
Distribution Energy Charge	kWh x		\$0.02931	
Transition Energy Charge	kWh x		(\$0.00058)	
Energy Efficiency Program Charge	kWh x		\$0.01154	
Renewable Energy Distribution Charge	kWh x		\$0.00674	
Gross Earnings Tax		4%		
Standard Offer Charge	kWh x		\$0.08179	

Note (1): includes the current CapEx Factor of 0.307¢/kWh and the current O&M Factor of 0.154¢/kWh

Note (2): includes the revised proposed CapEx Factor of 0.288¢/kWh and the proposed O&M Factor of 0.163¢/kWh

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		
	Delivery	SOS	GET	Total		Delivery	SOS	GET	Total		Delivery	SOS	GET	Total	%		%	
																		\$
250	\$31.54	\$20.99	\$2.19	\$54.72		\$31.52	\$20.99	\$2.19	\$54.70		(\$0.02)	\$0.00	\$0.00	(\$0.02)	0.0%	0.0%	0.0%	35.2%
500	\$52.01	\$41.98	\$3.92	\$97.91		\$51.96	\$41.98	\$3.91	\$97.85		(\$0.05)	(\$0.01)	(\$0.01)	(\$0.06)	-0.1%	0.0%	0.0%	17.0%
1,000	\$92.95	\$83.96	\$7.37	\$184.28		\$92.85	\$83.96	\$7.37	\$184.18		(\$0.10)	\$0.00	\$0.00	(\$0.10)	-0.1%	0.0%	0.0%	19.0%
1,500	\$133.89	\$125.94	\$10.83	\$270.66		\$133.74	\$125.94	\$10.82	\$270.50		(\$0.15)	(\$0.01)	(\$0.01)	(\$0.16)	-0.1%	0.0%	0.0%	9.8%
2,000	\$174.83	\$167.92	\$14.28	\$357.03		\$174.63	\$167.92	\$14.27	\$356.82		(\$0.20)	(\$0.01)	(\$0.01)	(\$0.21)	-0.1%	0.0%	0.0%	19.1%

Present Rates

Customer Charge	\$10.00																			
RE Growth Factor	\$0.26																			
LHHEAP Charge	\$0.81																			
Transmission Energy Charge	kWh x	\$0.02566																		
Distribution Energy Charge	kWh x	\$0.03852																		
Transition Energy Charge	kWh x	(\$0.00058)																		
Energy Efficiency Program Charge	kWh x	\$0.01154																		
Renewable Energy Distribution Charge	kWh x	\$0.00674																		
Gross Earnings Tax			4%																	
Standard Offer Charge				\$0.08396																

Proposed Rates

Customer Charge	\$10.00																			
RE Growth Factor	\$0.26																			
LHHEAP Charge	\$0.81																			
Transmission Energy Charge	kWh x	\$0.02566																		
Distribution Energy Charge	kWh x	\$0.03852																		
Transition Energy Charge	kWh x	(\$0.00058)																		
Energy Efficiency Program Charge	kWh x	\$0.01154																		
Renewable Energy Distribution Charge	kWh x	\$0.00674																		
Gross Earnings Tax			4%																	
Standard Offer Charge				\$0.08396																

Note (1): includes the current CapEx Factor of 0.288¢/kWh and the current O&M Factor of 0.160¢/kWh

Note (2): includes the revised proposed CapEx Factor of 0.269¢/kWh and the proposed O&M Factor of 0.169¢/kWh

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

Hours Use: 200

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
20	\$408.51	\$335.84	\$31.01	\$775.36	\$408.31	\$335.84	\$31.01	\$775.16	(\$0.20)	\$0.00	\$0.00	(\$0.20)
50	\$897.57	\$839.60	\$72.38	\$1,809.55	\$896.17	\$839.60	\$72.32	\$1,808.09	(\$1.40)	\$0.00	(\$0.06)	(\$1.46)
100	\$1,712.67	\$1,679.20	\$141.33	\$3,533.20	\$1,709.27	\$1,679.20	\$141.19	\$3,529.66	(\$3.40)	\$0.00	(\$0.14)	(\$3.54)
150	\$2,527.77	\$2,518.80	\$210.27	\$5,256.84	\$2,522.37	\$2,518.80	\$210.05	\$5,251.22	(\$5.40)	\$0.00	(\$0.22)	(\$5.62)

	Present Rates	Proposed Rates
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$2.46	\$2.46
LJHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kWh x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kWh x \$5.58	\$5.52 (1)
Distribution Energy Charge	kWh x \$0.00728	\$0.00738 (3)
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058) (4)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current CapEx Factor of 0.73¢
Note (2): includes the revised proposed CapEx Factor of 0.67¢
Note (3): includes the current O&M Factor of 0.117¢/kWh
Note (4): includes the proposed O&M Factor of 0.122¢/kWh

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

Hours Use: 300

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)					
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	% of Total Bill	
													Delivery	SOS
20	\$479.83	\$503.76	\$40.98	\$1,024.57	\$479.83	\$503.76	\$40.98	\$1,024.57	\$0.00	\$0.00	\$0.00	\$0.00	0.0%	0.0%
50	\$1,075.87	\$1,259.40	\$97.30	\$2,432.57	\$1,074.97	\$1,259.40	\$97.27	\$2,431.64	(\$0.90)	\$0.00	(\$0.03)	(\$0.93)	0.0%	0.0%
100	\$2,069.27	\$2,518.80	\$191.17	\$4,779.24	\$2,066.87	\$2,518.80	\$191.07	\$4,776.74	(\$2.40)	\$0.00	(\$0.10)	(\$2.50)	-0.1%	0.0%
150	\$3,062.67	\$3,778.20	\$285.04	\$7,125.91	\$3,058.77	\$3,778.20	\$284.87	\$7,121.84	(\$3.90)	\$0.00	(\$0.17)	(\$4.07)	-0.1%	0.0%

	Present Rates	Proposed Rates
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$2.46	\$2.46
LHHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.52 (2)
Distribution Energy Charge	kWh x \$0.00728	\$0.00738 (4)
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current CapEx Factor of 0.73¢

Note (2): includes the revised proposed CapEx Factor of 0.67¢

Note (3): includes the current O&M Factor of 0.117¢/kWh

Note (4): includes the proposed O&M Factor of 0.122¢/kWh

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

Hours Use: 400

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)							
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$		% of Total Bill					
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	\$551.15	\$671.68	\$50.95	\$1,273.78	\$551.35	\$671.68	\$50.96	\$1,273.99	\$0.20	\$0.00	\$0.01	\$0.21	0.0%	0.0%	0.0%	0.0%
50	\$1,254.17	\$1,679.20	\$122.22	\$3,055.59	\$1,253.77	\$1,679.20	\$122.21	\$3,055.18	(\$0.40)	\$0.00	(\$0.01)	(\$0.41)	0.0%	0.0%	0.0%	0.0%
100	\$2,425.87	\$3,358.40	\$241.01	\$6,025.28	\$2,424.47	\$3,358.40	\$240.95	\$6,023.82	(\$1.40)	\$0.00	(\$0.06)	(\$1.46)	0.0%	0.0%	0.0%	0.0%
150	\$3,597.57	\$5,037.60	\$359.80	\$8,994.97	\$3,595.17	\$5,037.60	\$359.70	\$8,992.47	(\$2.40)	\$0.00	(\$0.10)	(\$2.50)	0.0%	0.0%	0.0%	0.0%

	Present Rates	Proposed Rates
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$2.46	\$2.46
LHHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.52 (2)
Distribution Energy Charge	kWh x \$0.00738	\$0.00738 (4)
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current CapEx Factor of 0.73¢

Note (2): includes the revised proposed CapEx Factor of 0.67¢

Note (3): includes the current O&M Factor of 0.117¢/kWh

Note (4): includes the proposed O&M Factor of 0.122¢/kWh

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

Hours Use: 500

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
20	\$622.47	\$839.60	\$60.92	\$1,522.99	\$622.87	\$839.60	\$60.94	\$1,523.41	\$0.40	\$0.00	\$0.02	\$0.42
50	\$1,432.47	\$2,099.00	\$147.14	\$3,678.61	\$1,432.57	\$2,099.00	\$147.15	\$3,678.72	\$0.10	\$0.00	\$0.01	\$0.11
100	\$2,782.47	\$4,198.00	\$290.85	\$7,271.32	\$2,782.07	\$4,198.00	\$290.84	\$7,270.91	(\$0.40)	\$0.00	(\$0.01)	(\$0.41)
150	\$4,132.47	\$6,297.00	\$434.56	\$10,864.03	\$4,131.57	\$6,297.00	\$434.52	\$10,863.09	(\$0.90)	\$0.00	(\$0.04)	(\$0.94)

	Present Rates	Proposed Rates
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$2.46	\$2.46
LJHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kWh x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kWh x \$5.58	\$5.52 (2)
Distribution Energy Charge	kWh x \$0.00728	\$0.00738 (4)
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current CapEx Factor of 0.73¢

Note (2): includes the revised proposed CapEx Factor of 0.67¢

Note (3): includes the current O&M Factor of 0.117¢/kWh

Note (4): includes the proposed O&M Factor of 0.122¢/kWh

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

Hours Use: 600

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)					
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	% of Total Bill	
													Delivery	SOS
20	\$693.79	\$1,007.52	\$70.89	\$1,772.20	\$694.39	\$1,007.52	\$70.91	\$1,772.82	\$0.60	\$0.00	\$0.02	\$0.62	0.0%	0.0%
50	\$1,610.77	\$2,518.80	\$172.07	\$4,301.64	\$1,611.37	\$2,518.80	\$172.09	\$4,302.26	\$0.60	\$0.00	\$0.02	\$0.62	0.0%	0.0%
100	\$3,139.07	\$5,037.60	\$340.69	\$8,517.36	\$3,139.67	\$5,037.60	\$340.72	\$8,517.99	\$0.60	\$0.00	\$0.03	\$0.63	0.0%	0.0%
150	\$4,667.37	\$7,556.40	\$509.32	\$12,733.09	\$4,667.97	\$7,556.40	\$509.35	\$12,733.72	\$0.60	\$0.00	\$0.03	\$0.63	0.0%	0.0%

Proposed Rates

Present Rates

Customer Charge		\$135.00		\$135.00
RE Growth Factor		\$2.46		\$2.46
LHEAP Charge		\$0.81		\$0.81
Transmission Demand Charge		\$3.59		\$3.59
Transmission Energy Charge		\$0.01068		\$0.01068
Distribution Demand Charge-xcs 10 kW		\$5.58	(1)	\$5.52 (2)
Distribution Energy Charge		\$0.00728	(3)	\$0.00738 (4)
Transition Energy Charge		(\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge		\$0.01154		\$0.01154
Renewable Energy Distribution Charge		\$0.00674		\$0.00674
Gross Earnings Tax		4%		4%
Standard Offer Charge		\$0.08396		\$0.08396

Note (1): includes the current CapEx Factor of 0.73¢

Note (2): includes the revised proposed CapEx Factor of 0.67¢

Note (3): includes the current O&M Factor of 0.117¢/kWh

Note (4): includes the proposed O&M Factor of 0.122¢/kWh

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

Hours Use: 200

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
200	\$3,071.59	\$2,999.60	\$252.97	\$6,324.16	\$3,073.99	\$2,999.60	\$253.07	\$6,326.66	\$2.40	\$0.00	\$0.10	\$2.50
750	\$11,640.59	\$11,248.50	\$953.71	\$23,842.80	\$11,633.09	\$11,248.50	\$953.40	\$23,834.99	(\$7.50)	\$0.00	(\$0.31)	(\$7.81)
1,000	\$15,535.59	\$14,998.00	\$1,272.23	\$31,805.82	\$15,523.59	\$14,998.00	\$1,271.73	\$31,793.32	(\$12.00)	\$0.00	(\$0.50)	(\$12.50)
1,500	\$23,325.59	\$22,497.00	\$1,909.27	\$47,731.86	\$23,304.59	\$22,497.00	\$1,908.40	\$47,709.99	(\$21.00)	\$0.00	(\$0.87)	(\$21.87)
2,500	\$38,905.59	\$37,495.00	\$3,183.36	\$79,583.95	\$38,866.59	\$37,495.00	\$3,181.73	\$79,543.32	(\$39.00)	\$0.00	(\$1.63)	(\$40.63)

Proposed Rates

Present Rates

Customer Charge		\$825.00	
RE Growth Factor		\$17.78	
LIHEAP Charge		\$0.81	
Transmission Demand Charge		\$3.97	
Transmission Energy Charge	kW x	\$0.01047	
Distribution Demand Charge-xcs 10 kW	kWh x	\$4.44	(1)
Distribution Energy Charge	kWh x	\$0.00768	(3)
Transition Energy Charge	kWh x	(\$0.00058)	
Energy Efficiency Program Charge	kWh x	\$0.01154	
Renewable Energy Distribution Charge	kWh x	\$0.00674	
Gross Earnings Tax		4%	
Standard Offer Charge	kWh x	\$0.07499	

Note (1): includes the current CapEx Factor of 0.74¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.71¢/kW

Note (3): includes the current O&M Factor of 0.073¢/kWh

Note (4): includes the proposed O&M Factor of 0.079¢/kWh

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

Hours Use: 300

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
200	\$3,788.59	\$4,499.40	\$345.33	\$8,633.32	\$3,792.19	\$4,499.40	\$345.48	\$8,637.07	\$3.60	\$0.00	\$0.15	\$3.75
750	\$14,329.34	\$16,872.75	\$1,300.09	\$32,502.18	\$14,326.34	\$16,872.75	\$1,299.96	\$32,499.05	(\$3.00)	\$0.00	(\$0.13)	(\$3.13)
1,000	\$19,120.59	\$22,497.00	\$1,734.07	\$43,351.66	\$19,114.59	\$22,497.00	\$1,733.82	\$43,345.41	(\$6.00)	\$0.00	(\$0.25)	(\$6.25)
1,500	\$28,703.09	\$33,745.50	\$2,602.02	\$65,050.61	\$28,691.09	\$33,745.50	\$2,601.52	\$65,038.11	(\$12.00)	\$0.00	(\$0.50)	(\$12.50)
2,500	\$47,868.09	\$56,242.50	\$4,337.94	\$108,448.53	\$47,844.09	\$56,242.50	\$4,336.94	\$108,423.53	(\$24.00)	\$0.00	(\$1.00)	(\$25.00)

	Present Rates	Proposed Rates
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$17.78	\$17.78
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	\$3.97	\$3.97
Transmission Energy Charge	\$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	\$4.44	\$4.41 (2)
Distribution Energy Charge	\$0.00768	\$0.00774 (4)
Energy Efficiency Program Charge	(\$0.00058)	(\$0.00058)
Renewable Energy Distribution Charge	\$0.01154	\$0.01154
Gross Earnings Tax	\$0.00674	\$0.00674
Standard Offer Charge	4%	4%
	\$0.07499	\$0.07499

Note (1): includes the current CapEx Factor of 0.74¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.71¢/kW

Note (3): includes the current O&M Factor of 0.073¢/kWh

Note (4): includes the proposed O&M Factor of 0.079¢/kWh

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

Hours Use: 400

Monthly Power kW	Monthly Power kWh	Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total				
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$				
200	80,000	\$4,505.59	\$5,999.20	\$437.70	\$10,942.49	\$4,510.39	\$5,999.20	\$437.90	\$10,947.49	\$4.80	\$0.00	\$0.20	\$5.00	0.0%	0.0%	0.0%	0.0%
750	300,000	\$17,018.09	\$22,497.00	\$1,646.46	\$41,161.55	\$17,019.59	\$22,497.00	\$1,646.52	\$41,163.11	\$1.50	\$0.00	\$0.06	\$1.56	0.0%	0.0%	0.0%	0.0%
1,000	400,000	\$22,705.59	\$29,996.00	\$2,195.90	\$54,897.49	\$22,705.59	\$29,996.00	\$2,195.90	\$54,897.49	\$0.00	\$0.00	\$0.00	\$0.00	0.0%	0.0%	0.0%	0.0%
1,500	600,000	\$34,080.59	\$44,994.00	\$3,294.77	\$82,369.36	\$34,077.59	\$44,994.00	\$3,294.65	\$82,366.24	(\$3.00)	\$0.00	(\$0.12)	(\$3.12)	0.0%	0.0%	0.0%	0.0%
2,500	1,000,000	\$56,830.59	\$74,990.00	\$5,492.52	\$137,313.11	\$56,821.59	\$74,990.00	\$5,492.15	\$137,303.74	(\$9.00)	\$0.00	(\$0.37)	(\$9.37)	0.0%	0.0%	0.0%	0.0%

Proposed Rates

	Present Rates	Proposed Rates
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$17.78	\$17.78
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	\$3.97	\$3.97
Transmission Energy Charge	\$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	\$4.44	\$4.41 (1)
Distribution Energy Charge	\$0.00768	\$0.00774 (3)
Transition Energy Charge	(\$0.00058)	(\$0.00058) (4)
Energy Efficiency Program Charge	\$0.01154	\$0.01154
Renewable Energy Distribution Charge	\$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	\$0.07499	\$0.07499

Note (1): includes the current CapEx Factor of 0.74¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.71¢/kW

Note (3): includes the current O&M Factor of 0.073¢/kWh

Note (4): includes the proposed O&M Factor of 0.079¢/kWh

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

Hours Use: 500

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
200	\$5,222.59	\$7,499.00	\$530.07	\$13,251.66	\$5,228.59	\$7,499.00	\$530.32	\$13,257.91	\$6.00	\$0.00	\$0.25	\$6.25
750	\$19,706.84	\$28,121.25	\$1,992.84	\$49,820.93	\$19,712.84	\$28,121.25	\$1,993.09	\$49,827.18	\$6.00	\$0.00	\$0.25	\$6.25
1,000	\$26,290.59	\$37,495.00	\$2,657.73	\$66,443.32	\$26,296.59	\$37,495.00	\$2,657.98	\$66,449.57	\$6.00	\$0.00	\$0.25	\$6.25
1,500	\$39,458.09	\$56,242.50	\$3,987.52	\$99,688.11	\$39,464.09	\$56,242.50	\$3,987.77	\$99,694.36	\$6.00	\$0.00	\$0.25	\$6.25
2,500	\$65,793.09	\$93,737.50	\$6,647.11	\$166,177.70	\$65,799.09	\$93,737.50	\$6,647.36	\$166,183.95	\$6.00	\$0.00	\$0.25	\$6.25

Proposed Rates

Present Rates

Customer Charge	\$825.00	
RE Growth Factor	\$17.78	
LIHEAP Charge	\$0.81	
Transmission Demand Charge	\$3.97	
Transmission Energy Charge	\$0.01047	kW x
Distribution Demand Charge-xcs 10 kW	\$4.44	kWh x
Distribution Energy Charge	\$0.00768	kW x
Transition Energy Charge	(\$0.00058)	kWh x
Energy Efficiency Program Charge	\$0.01154	kWh x
Renewable Energy Distribution Charge	\$0.00674	kWh x
Gross Earnings Tax	4%	
Standard Offer Charge	\$0.07499	kWh x

Note (1): includes the current CapEx Factor of 0.74¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.71¢/kW

Note (3): includes the current O&M Factor of 0.073¢/kWh

Note (4): includes the proposed O&M Factor of 0.079¢/kWh

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

Hours Use: 600

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)							
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	\$5,939.59	\$8,998.80	\$622.43	\$15,560.82	\$5,946.79	\$8,998.80	\$622.73	\$15,568.32	\$7.20	\$0.00	\$0.30	\$7.50	0.0%	0.0%	0.0%	0.0%
750	\$22,395.59	\$33,745.50	\$2,339.21	\$58,480.30	\$22,406.09	\$33,745.50	\$2,339.65	\$58,491.24	\$10.50	\$0.00	\$0.44	\$10.94	0.0%	0.0%	0.0%	0.0%
1,000	\$29,875.59	\$44,994.00	\$3,119.57	\$77,989.16	\$29,887.59	\$44,994.00	\$3,120.07	\$78,001.66	\$12.00	\$0.00	\$0.50	\$12.50	0.0%	0.0%	0.0%	0.0%
1,500	\$44,835.59	\$67,491.00	\$4,680.27	\$117,006.86	\$44,850.59	\$67,491.00	\$4,680.90	\$117,022.49	\$15.00	\$0.00	\$0.63	\$15.63	0.0%	0.0%	0.0%	0.0%
2,500	\$74,755.59	\$112,485.00	\$7,801.69	\$195,042.28	\$74,776.59	\$112,485.00	\$7,802.57	\$195,064.16	\$21.00	\$0.00	\$0.88	\$21.88	0.0%	0.0%	0.0%	0.0%

Present Rates

Customer Charge	\$825.00	
RE Growth Factor	\$17.78	
LIHEAP Charge	\$0.81	
Transmission Demand Charge	\$3.97	
Transmission Energy Charge	\$0.01047	kW x
Distribution Demand Charge-xcs 10 kW	\$4.44	kWh x
Distribution Energy Charge	\$0.00768	kW x
Transition Energy Charge	(\$0.00058)	kWh x
Energy Efficiency Program Charge	\$0.01154	kWh x
Renewable Energy Distribution Charge	\$0.00674	kWh x
Gross Earnings Tax	4%	
Standard Offer Charge	\$0.07499	kWh x

Proposed Rates

Customer Charge	\$825.00	
RE Growth Factor	\$17.78	
LIHEAP Charge	\$0.81	
Transmission Demand Charge	\$3.97	
Transmission Energy Charge	\$0.01047	
Distribution Demand Charge-xcs 10 kW	\$4.41	(2)
Distribution Energy Charge	\$0.00774	(4)
Transition Energy Charge	(\$0.00058)	
Energy Efficiency Program Charge	\$0.01154	
Renewable Energy Distribution Charge	\$0.00674	
Gross Earnings Tax	4%	
Standard Offer Charge	\$0.07499	

Note (1): includes the current CapEx Factor of 0.74¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.71¢/kW

Note (3): includes the current O&M Factor of 0.073¢/kWh

Note (4): includes the proposed O&M Factor of 0.079¢/kWh

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

Hours Use: 200

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)							
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total				
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$				
3,000	\$58,327.88	\$44,994.00	\$4,305.08	\$107,626.96	\$58,597.88	\$44,994.00	\$4,316.33	\$107,908.21	\$270.00	\$0.00	\$11.25	\$281.25	0.3%	0.0%	0.0%	0.3%
5,000	\$85,647.88	\$74,990.00	\$6,693.25	\$167,331.13	\$86,097.88	\$74,990.00	\$6,712.00	\$167,799.88	\$450.00	\$0.00	\$18.75	\$468.75	0.3%	0.0%	0.0%	0.3%
7,500	\$119,797.88	\$112,485.00	\$9,678.45	\$241,961.33	\$120,472.88	\$112,485.00	\$9,706.58	\$242,664.46	\$675.00	\$0.00	\$28.13	\$703.13	0.3%	0.0%	0.0%	0.3%
10,000	\$153,947.88	\$149,980.00	\$12,663.66	\$316,591.54	\$154,847.88	\$149,980.00	\$12,701.16	\$317,529.04	\$900.00	\$0.00	\$37.50	\$937.50	0.3%	0.0%	0.0%	0.3%
20,000	\$290,547.88	\$299,960.00	\$24,604.50	\$615,112.38	\$292,347.88	\$299,960.00	\$24,679.50	\$616,987.38	\$1,800.00	\$0.00	\$75.00	\$1,875.00	0.3%	0.0%	0.0%	0.3%

	Present Rates	Proposed Rates
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$347.07	\$347.07
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	\$3.22	\$3.22
Transmission Energy Charge	\$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 kW	\$3.81	\$3.90
Distribution Energy Charge	\$0.00167	\$0.00167
Transition Energy Charge	(\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	\$0.01154	\$0.01154
Renewable Energy Distribution Charge	\$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	\$0.07499	\$0.07499

Note (1): includes the current CapEx Factor of 0.52¢/kW and the current O&M Factor of 0.30¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.55¢/kW and the proposed O&M Factor of 0.36¢/kW

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

Hours Use: 300

Monthly Power kW	Present Rates					Proposed Rates					Increase (Decrease)						
	Delivery	SOS	GET	Total		Delivery	SOS	GET	Total		Delivery	SOS	GET	Total			
	\$68,272.88	\$67,491.00	\$5,656.83	\$141,420.71		\$68,542.88	\$67,491.00	\$5,668.08	\$141,701.96		\$270.00	\$0.00	\$11.25	\$281.25			
3,000											\$450.00	\$0.00	\$18.75	\$468.75	0.2%	0.0%	0.2%
5,000											\$675.00	\$0.00	\$28.12	\$703.12	0.2%	0.0%	0.2%
7,500											\$900.00	\$0.00	\$37.50	\$937.50	0.2%	0.0%	0.2%
10,000											\$1,800.00	\$0.00	\$75.00	\$1,875.00	0.2%	0.0%	0.2%
20,000											\$3,600.00	\$0.00	\$150.00	\$3,750.00	0.2%	0.0%	0.2%

	Present Rates	Proposed Rates
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$347.07	\$347.07
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	\$3.22	\$3.22
Transmission Energy Charge	\$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 kW	\$3.81	\$3.90 (2)
Distribution Energy Charge	\$0.00167	\$0.00167
Transition Energy Charge	(\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	\$0.01154	\$0.01154
Renewable Energy Distribution Charge	\$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	\$0.07499	\$0.07499

Note (1): includes the current CapEx Factor of 0.52¢/kW and the current O&M Factor of 0.30¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.55¢/kW and the proposed O&M Factor of 0.36¢/kW

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

Hours Use: 400

Monthly Power kW	Present Rates					Proposed Rates					Increase (Decrease)						
	Delivery	SOS	GET	Total	Total	Delivery	SOS	GET	Total	Total	Delivery	SOS	GET	Total			
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
3,000	\$78,217.88	\$89,988.00	\$7,008.58	\$175,214.46	\$175,495.71	\$78,487.88	\$89,988.00	\$7,019.83	\$175,495.71	\$281.25	\$0.00	\$11.25	\$281.25	0.2%	0.0%	0.0%	0.2%
5,000	\$118,797.88	\$149,980.00	\$11,199.08	\$279,976.96	\$280,445.71	\$119,247.88	\$149,980.00	\$11,217.83	\$280,445.71	\$468.75	\$0.00	\$18.75	\$468.75	0.2%	0.0%	0.0%	0.2%
7,500	\$169,522.88	\$224,970.00	\$16,437.20	\$410,930.08	\$411,633.21	\$170,197.88	\$224,970.00	\$16,465.33	\$411,633.21	\$703.13	\$0.00	\$28.13	\$703.13	0.2%	0.0%	0.0%	0.2%
10,000	\$220,247.88	\$299,960.00	\$21,675.33	\$541,883.21	\$542,820.71	\$221,147.88	\$299,960.00	\$21,712.83	\$542,820.71	\$937.50	\$0.00	\$37.50	\$937.50	0.2%	0.0%	0.0%	0.2%
20,000	\$423,147.88	\$599,920.00	\$42,627.83	\$1,065,695.71	\$1,067,570.71	\$424,947.88	\$599,920.00	\$42,702.83	\$1,067,570.71	\$1,875.00	\$0.00	\$75.00	\$1,875.00	0.2%	0.0%	0.0%	0.2%

Proposed Rates

Present Rates

	Proposed Rates	Present Rates
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$347.07	\$347.07
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	\$3.22	\$3.22
Transmission Energy Charge	\$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 KW	\$3.90	\$3.81
Distribution Energy Charge	\$0.00167	\$0.00167
Transition Energy Charge	(\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	\$0.01154	\$0.01154
Renewable Energy Distribution Charge	\$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	\$0.07499	\$0.07499

Note (1): includes the current CapEx Factor of 0.52¢/kW and the current O&M Factor of 0.30¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.55¢/kW and the proposed O&M Factor of 0.36¢/kW

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

Hours Use: 500

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
3,000	\$88,162.88	\$112,485.00	\$8,360.33	\$209,008.21	\$88,432.88	\$112,485.00	\$8,371.58	\$209,289.46	\$270.00	\$0.00	\$11.25	\$281.25
5,000	\$135,372.88	\$187,475.00	\$13,452.00	\$336,299.88	\$135,822.88	\$187,475.00	\$13,470.75	\$336,768.63	\$450.00	\$0.00	\$18.75	\$468.75
7,500	\$194,385.38	\$281,212.50	\$19,816.58	\$495,414.46	\$195,060.38	\$281,212.50	\$19,844.70	\$496,117.58	\$675.00	\$0.00	\$28.12	\$703.12
10,000	\$253,397.88	\$374,950.00	\$26,181.16	\$654,529.04	\$254,297.88	\$374,950.00	\$26,218.66	\$655,466.54	\$900.00	\$0.00	\$37.50	\$937.50
20,000	\$489,447.88	\$749,900.00	\$51,639.50	\$1,290,987.38	\$491,247.88	\$749,900.00	\$51,714.50	\$1,292,862.38	\$1,800.00	\$0.00	\$75.00	\$1,875.00

	Present Rates	Proposed Rates
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$347.07	\$347.07
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.22	\$3.22
Transmission Energy Charge	kWh x \$0.01378	\$0.01378
Distribution Demand Charge-xes 10 kW	kW x \$3.81	\$3.90 (2)
Distribution Energy Charge	kWh x \$0.00167	\$0.00167
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current CapEx Factor of 0.52¢/kW and the current O&M Factor of 0.30¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.55¢/kW and the proposed O&M Factor of 0.36¢/kW

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

Hours Use: 600

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	\$98,107.88	\$134,982.00	\$9,712.08	\$242,801.96	\$98,377.88	\$134,982.00	\$9,723.33	\$243,083.21	\$270.00	\$0.00	\$11.25	\$281.25
5,000	\$151,947.88	\$224,970.00	\$15,704.91	\$392,622.79	\$152,397.88	\$224,970.00	\$15,723.66	\$393,091.54	\$450.00	\$0.00	\$18.75	\$468.75
7,500	\$219,247.88	\$337,455.00	\$23,195.95	\$579,898.83	\$219,922.88	\$337,455.00	\$23,224.08	\$580,601.96	\$675.00	\$0.00	\$28.13	\$703.13
10,000	\$286,547.88	\$449,940.00	\$30,687.00	\$767,174.88	\$287,447.88	\$449,940.00	\$30,724.50	\$768,112.38	\$900.00	\$0.00	\$37.50	\$937.50
20,000	\$555,747.88	\$899,880.00	\$60,651.16	\$1,516,279.04	\$557,547.88	\$899,880.00	\$60,726.16	\$1,518,154.04	\$1,800.00	\$0.00	\$75.00	\$1,875.00

	Present Rates	Proposed Rates
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$347.07	\$347.07
LHHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	\$3.22	\$3.22
Transmission Energy Charge	\$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 kW	\$3.81	\$3.90 (2)
Distribution Energy Charge	\$0.00167	\$0.00167
Transition Energy Charge	(\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	\$0.01154	\$0.01154
Renewable Energy Distribution Charge	\$0.00674	\$0.00674

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.07499

Note (1): includes the current CapEx Factor of 0.52¢/kW and the current O&M Factor of 0.30¢/kW

Note (2): includes the revised proposed CapEx Factor of 0.55¢/kW and the proposed O&M Factor of 0.36¢/kW