

January 31, 2020

BY HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4996 - Proposed FY 2021 Gas Infrastructure, Safety, and Reliability Plan
Motion for Leave to Amend**

Dear Ms. Massaro:

Pursuant to Rule 810-RICR-00-00-1.12(A) (Rule 1.3(A)) of the Rhode Island Public Utilities Commission's Rules of Practice and Procedure, I have enclosed 10 copies of National Grid's¹ Motion for Leave to Amend the Proposed FY 2021 Gas Infrastructure, Safety, and Reliability Plan (Gas ISR Plan).

The proposed amendments to the Company's December 20, 2019 Gas ISR Plan consist of the enclosed: (1) Supplemental Pre-filed Testimony; (2) Revised Revenue Requirements; and (3) Revised Rate Design and Bill Impacts. The purpose of the proposed amendments is to replace projected figures used in the original December 20, 2019 filing with actual figures derived from the final FY 2019 federal income tax return of National Grid USA. Additionally, the Company is withdrawing its heat decarbonization proposal from the Gas ISR Plan.² As a result of these changes, the incremental fiscal year rate adjustment increased by \$406,789.

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

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

² After discussion with the Division, the Company is exploring alternative means of implementing this program.

Luly Massaro, Commission Clerk
Docket 4996 – FY 2021 Gas ISR Plan
January 31, 2020
Page 2 of 2

Enclosures

cc: Docket 4996 Service List
Christy Hetherington, Esq.
Al Mancini, Division
John Bell, Division
Rod Walker, 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.

Leticia Pimentel

Leticia C. Pimentel

January 31, 2020

Date

Docket No. 4996 - National Grid's FY 2021 Gas Infrastructure, Safety and Reliability (ISR) Plan - Service List 1/7/2020

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**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
RHODE ISLAND PUBLIC UTILITIES COMMISSION**

Gas Infrastructure, Safety and Reliability)
(ISR) Plan - Fiscal Year 2021)

Docket No. 4996

**THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID'S
MOTION FOR LEAVE TO AMEND**

Pursuant to the Rhode Island Public Utilities Commission's (PUC) Rules of Practice and Procedure, 810-RICR-00-00-1.12(A) (Rule 1.12(A)), National Grid¹ hereby requests leave to amend its Gas Infrastructure, Safety and Reliability (ISR) Plan for Fiscal Year (FY) 2021 first filed with the PUC on December 20, 2019. Specifically, the proposed amendments to the Gas ISR Plan for FY 2021 consist of: (1) Revised Revenue Requirements; (2) Revised Rate Design and Bill Impacts; and (3) Supplemental Pre-filed Testimony.

As grounds for this Motion, the Company states that National Grid USA filed its consolidated Fiscal Year (FY) 2019 federal income tax return in December 2019. Consequently, the Company is replacing the projected figures used at the time the Gas ISR Plan was prepared with actual figures derived from the final FY 2019 tax return. The Company now seeks to revise the FY 2019 capital repairs deduction rate, tax loss on retirements and Net Operating Loss (NOL) utilization. The revised FY 2021 revenue requirement also reflects updated estimates of FY 2020 and FY 2021 NOL utilization.

In addition to the proposed amendments resulting from the completion of National Grid USA's FY 2019 federal income tax return, the revised FY 2021 revenue requirement has been reduced by \$1 million to remove operation and maintenance expense associated with the heat

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

decarbonization studies originally proposed in the Company's Gas ISR Plan. After discussion between the Company and the Division, the Company has decided to withdraw its heat decarbonization proposal from the Gas ISR Plan and is currently exploring alternative means of implementing this proposal.

For these reasons, the Company respectfully requests that the PUC grant the Company's Motion for Leave to Amend its Gas ISR Plan for FY 2021 pursuant to PUC Rule 1.12(A).

Respectfully submitted,

**THE NARRAGANSETT ELECTRIC
COMPANY d/b/a NATIONAL GRID**

By its attorney,



Raquel J. Webster, RI Bar # 9064
National Grid
40 Sylvan Road
Waltham, MA 02451
(781) 907-2121

Date: January 31, 2020

**THE NARRAGANSETT GAS COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4996
RE: FY 2021 GAS INFRASTRUCTURE,
SAFETY, AND RELIABILITY PLAN
WITNESS: MELISSA A. LITTLE**

SUPPLEMENTAL DIRECT TESTIMONY

OF

MELISSA A. LITTLE

January 31, 2020

1 **Q. What is the purpose of this supplemental filing?**

2 A. National Grid USA filed its consolidated Fiscal Year (FY) 2019 federal income tax return
3 in December 2019. As a result, the Company is now revising its FY 2021 Gas ISR Plan
4 revenue requirement to reflect actual FY 2019 tax information based on the tax return as
5 filed, specifically the FY 2019 capital repairs deduction rate, tax loss on retirements and
6 Net Operating Loss (NOL) utilization. The revised FY 2021 revenue requirement also
7 reflects updated estimates of FY 2020 and FY 2021 NOL utilization

8
9 In addition, the revised FY 2021 revenue requirement has been reduced by \$1 million to
10 remove operation and maintenance expense associated with the heat decarbonization
11 studies originally proposed by the Company in its December submittal. After discussion
12 between the Company and the Division, the Company has subsequently decided to
13 withdraw its heat decarbonization proposal.

14
15 **Q. What is the net impact to the total FY 2021 Gas ISR Plan revenue requirement as**
16 **compared to the revenue requirement submitted to the Commission on December**
17 **20, 2019?**

18 A. The revisions summarized above result in a revised total FY 2021 Gas ISR Plan revenue
19 requirement of \$22,761,529 shown on Page 1, Line 10 which represents a \$406,789
20 increase from the FY 2021 revenue requirement of \$22,354,740 filed in December 2019.

21
22 **Q. Are you sponsoring a revised revenue requirement schedule with this supplemental**

A. Yes. I am sponsoring the following revised attachment:

Q. What is the impact of the actual FY 2019 capital repair rate and tax loss on retirements?

The calculation of tax depreciation on FY 2019 investment is shown on Page 6. In the Company's December filing, the FY 2019 capital repairs rate of 71.49 percent on Line 2 was estimated based on a three-year average of FY 2014, FY 2015, and FY 2016 actual capital repairs rates, which were the most recent actual results available when the FY 2019 ISR plan was filed. The actual FY 2019 capital repairs rate is 85.18 percent. The increase in the capital repairs rate causes an increase in cumulative book to tax depreciation timing differences which in turn increases accumulated deferred income taxes. The actual FY 2019 tax loss on retirements shown on Line 19 is \$375,698, a \$137,070 increase from the estimated FY 2019 tax loss on retirement of \$238,628 included in the December filing. The increase in tax loss on retirements also increases the cumulative book to tax depreciation timing difference on FY 2019 investment. In total, the cumulative book to tax depreciation timing difference increased by \$48,650 in FY 2021, which in turn increases accumulated deferred income taxes, which reduce rate base. Therefore, the impact on the FY 2021 revenue requirement is a decrease of approximately \$800.

1 **Q. What are the factors affecting NOL utilization?**

2 A. As National Grid USA (NGUSA) files a consolidated income tax return, NOL or NOL
3 utilization is determined by taxable income on a consolidated basis. NOL utilization is
4 first calculated for the whole NGUSA group and then allocated to the individual
5 operating companies. When estimating NOL utilization, the most recent NGUSA
6 business plan is utilized to calculate the estimated consolidated taxable income. Major
7 factors that can affect that estimate are: (1) assumptions used to build the business plan
8 including projections of capital spending and operating costs; (2) the NOL vintage year to
9 be utilized, which can impact the allocation to the individual operating companies; and
10 (3) changes in or clarifications to IRS regulations.

11
12 The estimated FY 2019 NOL Utilization included in the December filing was based on a
13 previous business plan, assumed no tax deductions related to bonus depreciation, and
14 assumed a different allocation of NOL utilization across the NGUSA group compared to
15 the actual FY 2019 NOL utilization. Overall, the NGUSA group taxable income in FY
16 2019 decreased by more than \$315 million from prior estimates, mainly due to bonus
17 depreciation deductions not anticipated at the time prior estimates were derived. Based
18 on the Company's previous interpretation of the Tax Cuts and Jobs Act, no bonus
19 depreciation deduction was planned for tax years after FY 2018. However, to align with
20 industry practice, the Company subsequently revised its interpretation on the bonus
21 depreciation regulations and included deductions for bonus depreciation on its FY 2019
22 tax return for projects started before September 28, 2017 and placed in service by March

1 31, 2019.

2
3 **Q. What is the impact of the actual FY 2019 NOL utilization?**

4 A. As shown on Page 15 at Line 10, the Company's total actual FY 2019 NOL utilization
5 was \$1.1 million compared to the estimated FY 2019 NOL utilization submitted in
6 December of \$16.5 million, a \$15.4 million decrease. As NOL utilization serves to
7 increase accumulated deferred income taxes which reduce rate base, the decrease in NOL
8 utilization ultimately increases the FY 2021 revenue requirement by \$1.3 million.

9
10 **Q. What is the impact of the updated FY 2020 and FY 2021 NOL utilization?**

11 A. With the actual FY 2019 income tax return and most recent business plan, the Company
12 is now able to refine its estimated taxable income for both FY 2020 and FY 2021, and
13 therefore the estimated NOL utilization for those tax years as well. On Page 15 at Line
14 10, the estimated FY 2020 NOL utilization has decreased by \$2.6 million to \$2.4 million
15 compared with the original estimate assumed in FY 2020 Gas ISR Plan of \$5.0 million.
16 The estimated FY 2021 NOL utilization increased by \$2.6 million compared to zero NOL
17 utilization originally estimated for FY 2021 in the December filing. As a result, the FY
18 2021 revenue requirement on FY 2020 ISR investment increased by \$0.2 million, and the
19 FY 2021 revenue requirement on FY 2021 ISR investment decreased by \$0.1 million
20 compared to the FY 2021 revenue requirement filed in December.

21
22 **Q. Please summarize the change in the FY 2021 Gas ISR Plan revenue requirement**

compared to the December submittal.

A. The total change in FY 2021 Gas ISR Plan revenue requirement is summarized in the chart below, compiled from Page 1 of both the original Section 3, Attachment 1 and Revised Section 3 Attachment 1R:

FY 2021 Gas ISR Plan Revenue Requirement	Initial Filing December 2019 (a)	Revised January 2020 (b)	Increase/ (decrease) (c)=(b)-(a)
Forecasted Gas Infrastructure, Safety, and Reliability O&M Expenses	\$1,000,000	\$0	(\$1,000,000)
Actual Revenue Requirement on FY 2018 Incremental Capital Included in ISR Rate Base	\$676,445	\$676,445	(\$0)
Actual Revenue Requirement on FY 2019 Incremental Capital Included in ISR Rate Base	(\$1,002,387)	\$292,352	\$1,294,739
Forecasted Revenue Requirement on FY 2020 Capital Included in ISR Rate Base	\$9,333,206	\$9,556,813	\$223,607
Forecasted Revenue Requirement on FY 2021 Capital Included in ISR Rate Base	<u>\$7,636,309</u>	<u>\$7,524,753</u>	<u>(\$111,556)</u>
Total Capital Investment Revenue Requirement	\$16,643,573	\$18,050,363	\$1,406,790
FY 2021 Property Tax Recovery Adjustment	<u>\$4,711,167</u>	<u>\$4,711,167</u>	<u>\$0</u>
Total Capital Investment Component of Revenue Requirement	<u>\$21,354,740</u>	<u>\$22,761,529</u>	<u>\$1,406,789</u>
Total Fiscal Year Revenue Requirement	<u>\$22,354,740</u>	<u>\$22,761,529</u>	<u>\$406,789</u>
Incremental Fiscal Year Rate Adjustment	<u>\$15,880,020</u>	<u>\$16,286,809</u>	\$406,789

Q. Does this conclude your supplemental testimony?

A. Yes.

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Annual Revenue Requirement Summary**

Line No.		Approved Fiscal Year 2020 (a)	Fiscal Year 2021 (b)	Fiscal Year 2022 (c)
	Operation and Maintenance Expenses			
1	Forecasted Gas Infrastructure, Safety, and Reliability O&M Expenses	\$0	\$0	\$0
	Capital Investment:			
2	Actual Revenue Requirement on FY 2018 Incremental Capital Included in ISR Rate Base	\$663,731	\$676,445	\$690,881
3	Actual Revenue Requirement on FY 2019 Incremental Capital Included in ISR Rate Base	(\$666,404)	\$292,352	\$291,583
4	Forecasted Revenue Requirement on FY 2020 Capital Included in ISR Rate Base	\$4,123,711	\$9,556,813	\$9,305,647
5	Forecasted Revenue Requirement on FY 2021 Capital Included in ISR Rate Base		\$7,524,753	\$14,875,217
6	Total Capital Investment Revenue Requirement	<u>\$4,121,038</u>	<u>\$18,050,363</u>	<u>\$25,163,328</u>
7	FY 2020 Property Tax Recovery Adjustment	\$2,353,682		
8	FY 2021 Property Tax Recovery Adjustment		\$4,711,167	
9	Total Capital Investment Component of Revenue Requirement	<u>\$6,474,720</u>	<u>\$22,761,529</u>	<u>\$25,163,328</u>
10	Total Fiscal Year Revenue Requirement	<u>\$6,474,720</u>	<u>\$22,761,529</u>	<u>\$25,163,328</u>
11	Incremental Fiscal Year Rate Adjustment		\$16,286,809	

Column Notes:

(a) RIPUC Docket No. 4916, Revised Section 3, Attachment 1R, Page 1 of 19

Line Notes for Columns (b) and (c):

- 1 Section 2, Table 1
- 2 Page 2 of 22, Line 30, Col. (d) and Col. (e)
- 3 Page 5 of 22, Line 29, Col. (c), and Col. (d)
- 4 Page 8 of 22, Line 29, Col. (b), and Col. (c)
- 5 Page 12 of 22, Line 29, Col. (a), and Col. (b)
- 6 Sum of Lines 2 through Line 5
- 8 , Line 63, Column (k) \times 1,000
- 9 Sum of Line 6 through Line 8
- 10 Line 1 + Line 9
- 11 Line 10 Col (b) - Line 10 Col (a)

The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Computation of Revenue Requirement on FY 2018 Actual Incremental Gas Capital Investment

Line No.			Fiscal Year 2018 (a)	Fiscal Year 2019 (b)	Fiscal Year 2020 (c)	Fiscal Year 2021 (d)	Fiscal Year 2022 (e)
	Depreciable Net Capital Included in ISR Rate Base						
1	Total Allowed Capital Included in ISR Rate Base in Current Year	Page 15 of 22, Line 3, Col (a)	\$4,632,718	\$0	\$0	\$0	\$0
2	Retirements	Page 15 of 22, Line 9, Col (a)	\$12,059,428	\$0	\$0	\$0	\$0
3	Net Depreciable Capital Included in ISR Rate Base	Year 1 = Line 1 - Line 2; then = Prior Year Line 3	(\$7,426,710)	(\$7,426,710)	(\$7,426,710)	(\$7,426,710)	(\$7,426,710)
	Change in Net Capital Included in ISR Rate Base						
4	Capital Included in ISR Rate Base	Line 1	\$4,632,718	\$0	\$0	\$0	\$0
5	Depreciation Expense		\$0	\$0	\$0	\$0	\$0
6	Incremental Capital Amount	Year 1 = Line 4 - Line 5; then = Prior Year Line 6	\$4,632,718	\$4,632,718	\$4,632,718	\$4,632,718	\$4,632,718
7	Cost of Removal	Page 15 of 22, Line 6, Col (a)	\$1,941,168	\$1,941,168	\$1,941,168	\$1,941,168	\$1,941,168
8	Net Plant Amount	Line 6 + Line 7	\$6,573,886	\$6,573,886	\$6,573,886	\$6,573,886	\$6,573,886
	Deferred Tax Calculation:						
9	Composite Book Depreciation Rate	1/	3.38%	3.15%	2.99%	2.99%	2.99%
10	Tax Depreciation	Year 1=Page 3 of 22, Line 24, Col (a); then = Page 3 of 22, Col (d)	\$7,820,728	\$21,720	\$20,089	\$18,585	\$17,189
11	Cumulative Tax Depreciation	Year 1 = Line 10; then = Prior Year Line 11 + Current Year Line 10	\$7,820,728	\$7,842,448	\$7,862,538	\$7,881,123	\$7,898,312
12	Book Depreciation	Year 1= Line 3 × Line 9 × 50%; then = Line 3 × Line 9	(\$125,511)	(\$234,127)	(\$222,059)	(\$222,059)	(\$222,059)
13	Cumulative Book Depreciation	Year 1 = Line 12; then = Prior Year Line 13 + Current Year Line 12	(\$125,511)	(\$359,638)	(\$581,697)	(\$803,756)	(\$1,025,814)
14	Cumulative Book / Tax Timer	Line 11 - Line 13	\$7,946,239	\$8,202,087	\$8,444,235	\$8,684,878	\$8,924,126
15	Effective Tax Rate	2/	21.00%	21.00%	21.00%	21.00%	21.00%
16	Deferred Tax Reserve	Line 14 × Line 15	\$1,668,710	\$1,722,438	\$1,773,289	\$1,823,824	\$1,874,066
17	Less: FY 2018 Federal NOL	-Page 21 of 22, Line 10, Col (e)	(\$6,051,855)	(\$6,051,855)	(\$6,051,855)	(\$6,051,855)	(\$6,051,855)
		(Line 14 × 31.55% blended FY18 tax rate) - Line 16; then = Prior Year					
18	Excess Deferred Tax	Line 18	\$838,328	\$838,328	\$838,328	\$838,328	\$838,328
19	Net Deferred Tax Reserve before Proration Adjustment	Line 16 + Line 17 + Line 18	(\$3,544,817)	(\$3,491,089)	(\$3,440,238)	(\$3,389,703)	(\$3,339,461)
	ISR Rate Base Calculation:						
20	Cumulative Incremental Capital Included in ISR Rate Base	Line 8	\$6,573,886	\$6,573,886	\$6,573,886	\$6,573,886	\$6,573,886
21	Accumulated Depreciation	- Line 13	\$125,511	\$359,638	\$581,697	\$803,756	\$1,025,814
22	Deferred Tax Reserve	- Line 19	\$3,544,817	\$3,491,089	\$3,440,238	\$3,389,703	\$3,339,461
23	Year End Rate Base before Deferred Tax Proration	Sum of Lines 20 through 22	\$10,244,214	\$10,424,613	\$10,595,821	\$10,767,344	\$10,939,161
	Revenue Requirement Calculation:						
24	Average Rate Base before Deferred Tax Proration Adjustment	Year 1 = 0; then Average of (Prior + Current Year Line 23)				\$10,681,583	\$10,853,253
25	Proration Adjustment	Year 1 and 2 =0; then = Page 4 of 22, Line 41, Col (j), Col (k) and Col (l)				\$2,169	\$2,157
26	Average ISR Rate Base after Deferred Tax Proration	Line 24 + Line 25				\$10,683,752	\$10,855,409
27	Pre-Tax ROR	Page 22 of 22, Line 30, Column (e)				8.41%	8.41%
28	Return and Taxes	Line 26 × Line 27				\$898,504	\$912,940
29	Book Depreciation	Year 1 = N/A; then = Line 12				(\$222,059)	(\$222,059)
30	Annual Revenue Requirement	Sum of Lines 28 through 29	N/A	N/A	N/A	\$676,445	\$690,881

1/ 3.38%, Composite Book Depreciation Rate approved per RIPUC Docket No. 4323, in effect until Aug 31, 2018
2.99%, Composite Book Depreciation Rate approved per RIPUC Docket No. 4770, effective on Sep 1, 2018
FY 19 Composite Book Depreciation Rate = 3.38% × 5 / 12 + 2.99% × 7 / 12
2/ The Federal Income Tax rate changed from 35% to 21% on January 1, 2018 per the Tax Cuts and Jobs Act of 2017

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Tax Depreciation and Repairs Deduction on FY 2018 Incremental Capital Investment**

Line No.			Fiscal Year 2018 (a)	(b)	(c)	(d)	(e)
Capital Repairs Deduction							
1	Plant Additions	Page 2 of 22, Line 1	\$4,632,718	<div style="border: 1px solid black; padding: 5px;"> 20 Year MACRS Depreciation MACRS basis: \$300,875 <div style="display: flex; justify-content: space-between;"> Annual Cumulative </div> Fiscal Year </div>			
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 85.43%				
3	Capital Repairs Deduction	Line 1 × Line 2	\$3,957,731				
4	Bonus Depreciation						
5	Plant Additions	Line 1	\$4,632,718	2018	3.75%	\$11,283	\$7,820,728
6	Less Capital Repairs Deduction	Line 3	\$3,957,731	2019	7.22%	\$21,720	\$7,842,448
7	Plant Additions Net of Capital Repairs Deduction	Line 5 - Line 6	\$674,987	2020	6.68%	\$20,089	\$7,862,538
8	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	2021	6.18%	\$18,585	\$7,881,123
9	Plant Eligible for Bonus Depreciation	Line 7 × Line 8	\$674,987	2022	5.71%	\$17,189	\$7,898,312
10	Bonus depreciation 100% category	100% × 15.86%	2/ 15.86%	2023	5.29%	\$15,901	\$7,914,213
11	Bonus depreciation 50% category	50% × 58.05%	2/ 29.03%	2024	4.89%	\$14,707	\$7,928,920
12	Bonus depreciation 40% category	40% × 26.35%	2/ 10.54%	2025	4.52%	\$13,606	\$7,942,525
13	Bonus Depreciation Rate (October 2017 - March 2018)	1 × 50% × 0%	2/ 0.00%	2026	4.46%	\$13,425	\$7,955,950
14	Total Bonus Depreciation Rate	Line 10 + Line 11 + Line 12 + Line 13	55.43%	2027	4.46%	\$13,422	\$7,969,372
15	Bonus Depreciation	Line 9 × Line 14	\$374,112	2028	4.46%	\$13,425	\$7,982,797
Remaining Tax Depreciation							
16	Plant Additions	Line 1	\$4,632,718	2029	4.46%	\$13,422	\$7,996,219
17	Less Capital Repairs Deduction	Line 3	\$3,957,731	2030	4.46%	\$13,425	\$8,009,644
18	Less Bonus Depreciation	Line 15	\$374,112	2031	4.46%	\$13,422	\$8,023,066
19	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 16 - Line 17 - Line 18	\$300,875	2032	4.46%	\$13,425	\$8,036,491
20	20 YR MACRS Tax Depreciation Rates	IRS Publication 946	3.75%	2033	4.46%	\$13,422	\$8,049,913
21	Remaining Tax Depreciation	Line 19 × Line 20	\$11,283	2034	4.46%	\$13,425	\$8,063,338
22	FY18 tax (gain)/loss on retirements	Per Tax Department	3/ \$1,536,434	2035	4.46%	\$13,422	\$8,076,761
23	Cost of Removal	Page 2 of 22, Line 7	\$1,941,168	2036	4.46%	\$13,425	\$8,090,186
24	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 15, 21, 22 & 23	\$7,820,728	2037	4.46%	\$13,422	\$8,103,608
				2038	2.23%	\$6,713	\$8,110,320
					100.00%	\$300,875	

1/ Capital Repairs percentage is based on the actual results of the FY 2018 tax return.
2/ Percent of Plant Eligible for Bonus Depreciation is the actual result of FY2018 tax return
3/ Actual Loss for FY2018

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Net Deferred Tax Reserve Proration on FY 2018 Incremental Capital Investment**

Line No.	Deferred Tax Subject to Proration		(a) FY20	(b) FY21	(c) FY22
		Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 4 Col (a); then = Page 2 of 22, Line 12, Col (d) and Col (e)			
1	Book Depreciation		(\$222,059)	(\$222,059)	(\$222,059)
2	Bonus Depreciation		\$0	\$0	\$0
		Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 4 Col (a); then = -Page 3 of 22, Col (d)			
3	Remaining MACRS Tax Depreciation		(\$20,089)	(\$18,585)	(\$17,189)
4	FY18 tax (gain)/loss on retirements		\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4	(\$242,148)	(\$240,644)	(\$239,248)
6	Effective Tax Rate		21%	21%	21%
7	Deferred Tax Reserve	Line 5 × Line 6	(\$50,851)	(\$50,535)	(\$50,242)
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction				
9	Cost of Removal				
10	Book/Tax Depreciation Timing Difference at 3/31/2017				
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10			
12	Effective Tax Rate				
13	Deferred Tax Reserve	Line 11 × Line 12			
14	Total Deferred Tax Reserve	Line 7 + Line 13	(\$50,851)	(\$50,535)	(\$50,242)
15	Net Operating Loss		\$0	\$0	\$0
16	Net Deferred Tax Reserve	Line 14 + Line 15	(\$50,851)	(\$50,535)	(\$50,242)
	Allocation of FY 2018 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	Line 5	(\$242,148)	(\$240,644)	(\$239,248)
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11	\$0	\$0	\$0
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18	(\$242,148)	(\$240,644)	(\$239,248)
20	Total FY 2018 Federal NOL		\$0	\$0	\$0
21	Allocated FY 2018 Federal NOL Not Subject to Proration	(Line 18 ÷ Line 19) × Line 20	\$0	\$0	\$0
22	Allocated FY 2018 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20	\$0	\$0	\$0
23	Effective Tax Rate		21%	21%	21%
24	Deferred Tax Benefit subject to proration	Line 22 × Line 23	\$0	\$0	\$0
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24	(\$50,851)	(\$50,535)	(\$50,242)
	Proration Calculation	(h) Number of Days in Month (i) Proration Percentage	(j) FY20	(k) FY21	(l) FY22
26	April	30 91.78%	(\$3,889)	(\$3,865)	(\$3,843)
27	May	31 83.29%	(\$3,529)	(\$3,507)	(\$3,487)
28	June	30 75.07%	(\$3,181)	(\$3,161)	(\$3,143)
29	July	31 66.58%	(\$2,821)	(\$2,804)	(\$2,787)
30	August	31 58.08%	(\$2,461)	(\$2,446)	(\$2,432)
31	September	30 49.86%	(\$2,113)	(\$2,100)	(\$2,088)
32	October	31 41.37%	(\$1,753)	(\$1,742)	(\$1,732)
33	November	30 33.15%	(\$1,405)	(\$1,396)	(\$1,388)
34	December	31 24.66%	(\$1,045)	(\$1,038)	(\$1,032)
35	January	31 16.16%	(\$685)	(\$681)	(\$677)
36	February	28 8.49%	(\$360)	(\$358)	(\$356)
37	March	31 0.00%	\$0	\$0	\$0
38	Total	365	(\$23,243)	(\$23,098)	(\$22,964)
39	Deferred Tax Without Proration	Line 25	(\$50,851)	(\$50,535)	(\$50,242)
40	Average Deferred Tax without Proration	Line 39 × 50%	(\$25,426)	(\$25,268)	(\$25,121)
41	Proration Adjustment	Line 38 - Line 40	\$2,183	\$2,169	\$2,157

Column Notes:

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

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Computation of Revenue Requirement on FY 2019 Actual Incremental Gas Capital Investment**

Line No.			Fiscal Year 2019 (a)	Fiscal Year 2020 (b)	Fiscal Year 2021 (c)	Fiscal Year 2022 (d)
<u>Depreciable Net Capital Included in ISR Rate Base</u>						
1	Total Allowed Capital Included in ISR Rate Base in Current Year	Page 15 of 22, Line 3, Col (b)	(\$914,000)	\$0	\$0	\$0
2	Retirements	Page 15 of 22, Line 9, Col (b)	(\$1,368,021)	\$0	\$0	\$0
3	Net Depreciable Capital Included in ISR Rate Base	Year 1 = Line 1 - Line 2; then = Prior Year Line 3	\$454,021	\$454,021	\$454,021	\$454,021
<u>Change in Net Capital Included in ISR Rate Base</u>						
4	Capital Included in ISR Rate Base	Line 1	(\$914,000)	\$0	\$0	\$0
5	Depreciation Expense		\$0	\$0	\$0	\$0
6	Incremental Capital Amount	Year 1 = Line 4 - Line 5; then = Prior Year Line 6	(\$914,000)	(\$914,000)	(\$914,000)	(\$914,000)
7	Cost of Removal	Page 15 of 22, Line 6, Col (b)	\$5,626,564	\$5,626,564	\$5,626,564	\$5,626,564
8	Net Plant Amount	Line 6 + Line 7	\$4,712,564	\$4,712,564	\$4,712,564	\$4,712,564
<u>Deferred Tax Calculation:</u>						
9	Composite Book Depreciation Rate	As Approved in RIPUC Docket No. 4323 & 4770	1/	3.15%	2.99%	2.99%
10	Tax Depreciation					
11	Cumulative Tax Depreciation	Year 1 = Page 6 of 22, Line 21, Col (a); then = Page 6 of 22, Col (d) Year 1 = Line 10; then = Prior Year Line 11 + Current Year Line 10	\$5,200,130 \$5,200,130	(\$8,390) \$5,191,739	(\$7,760) \$5,183,979	(\$7,179) \$5,176,799
12	Book Depreciation	Year 1 = Line 3 × Line 9 × 50%; then = Line 3 × Line 9	\$7,157	\$13,575	\$13,575	\$13,575
13	Cumulative Book Depreciation	Year 1 = Line 12; then = Prior Year Line 13 + Current Year Line 12	\$7,157	\$20,732	\$34,307	\$47,883
14	Cumulative Book / Tax Timer	Line 11 - Line 13	\$5,192,973	\$5,171,007	\$5,149,671	\$5,128,917
15	Effective Tax Rate		21.00%	21.00%	21.00%	21.00%
16	Deferred Tax Reserve	Line 14 × Line 15	\$1,090,524	\$1,085,911	\$1,081,431	\$1,077,072
17	Add: FY 2019 Federal NOL incremental utilization	Page 15 of 22, Line 12, Col (b)	\$286,350	\$286,350	\$286,350	\$286,350
18	Net Deferred Tax Reserve before Proration Adjustment	Line 16 + Line 17	\$1,376,874	\$1,372,261	\$1,367,781	\$1,363,422
<u>ISR Rate Base Calculation:</u>						
19	Cumulative Incremental Capital Included in ISR Rate Base	Line 8	\$4,712,564	\$4,712,564	\$4,712,564	\$4,712,564
20	Accumulated Depreciation	- Line 13	(\$7,157)	(\$20,732)	(\$34,307)	(\$47,883)
21	Deferred Tax Reserve	- Line 18	(\$1,376,874)	(\$1,372,261)	(\$1,367,781)	(\$1,363,422)
22	Year End Rate Base before Deferred Tax Proration	Sum of Lines 19 through 21	\$3,328,533	\$3,319,570	\$3,310,475	\$3,301,259
<u>Revenue Requirement Calculation:</u>						
23	Average Rate Base before Deferred Tax Proration Adjustment	Year 1 = Current Year Line 22 ÷ 2; then = (Prior Year Line 22 + Current Year Line 22) ÷ 2			\$3,315,023	\$3,305,867
24	Proration Adjustment	Year 1 = 0; then = Page 7 of 22, Line 41, Col (j), Col (k) and Col (l)			(\$192)	(\$187)
25	Average ISR Rate Base after Deferred Tax Proration	Line 23 + Line 24			\$3,314,831	\$3,305,680
26	Pre-Tax ROR	Page 22 of 22, Line 30, Column (e)			8.41%	8.41%
27	Return and Taxes	Line 25 × Line 26			\$278,777	\$278,008
28	Book Depreciation	Line 12			\$13,575	\$13,575
29	Annual Revenue Requirement	Sum of Lines 27 through 28	N/A	N/A	\$292,352	\$291,583

1/ 3.38%, Composite Book Depreciation Rate approved per RIPUC Docket No. 4323, in effect until Aug 31, 2018
2.99%, Composite Book Depreciation Rate approved per RIPUC Docket No. 4770, effective on Sep 1, 2018
FY 19 Composite Book Depreciation Rate = 3.38% × 5 / 12 + 2.99% × 7 / 12

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Tax Depreciation and Repairs Deduction on FY 2019 Incremental Capital Investment**

Line No.			Fiscal Year 2019 (a)	(b)	(c)	(d)	(e)
1	Capital Repairs Deduction						
2	Plant Additions	Page 5 of 22, Line 1	(\$914,000)				
3	Capital Repairs Deduction Rate	Per Tax Department	1/ 85.18%				
3	Capital Repairs Deduction	Line 1 × Line 2	(\$778,545)				
				MACRS basis: (\$116,227)			
					Annual	Cumulative	
	Bonus Depreciation			Fiscal Year			
4	Plant Additions	Line 1	(\$914,000)	2019	3.75%	(\$4,359)	\$5,200,130
5	Less Capital Repairs Deduction	Line 3	(\$778,545)	2020	7.22%	(\$8,390)	\$5,191,739
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	(\$135,455)	2021	6.68%	(\$7,760)	\$5,183,979
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	2022	6.18%	(\$7,179)	\$5,176,799
8	Plant Eligible for Bonus Depreciation	Line 6 × Line 7	(\$135,455)	2023	5.71%	(\$6,640)	\$5,170,159
9	Bonus Depreciation Rate (30% Eligible)	1 × 30% × 11.65%	3.50%	2024	5.29%	(\$6,143)	\$5,164,017
10	Bonus Depreciation Rate (40% Eligible)	1 × 40% × 26.75%	10.70%	2025	4.89%	(\$5,681)	\$5,158,335
11	Total Bonus Depreciation Rate	Line 9 + Line 10	14.20%	2026	4.52%	(\$5,256)	\$5,153,080
12	Bonus Depreciation	Line 8 × Line 11	(\$19,228)	2027	4.46%	(\$5,186)	\$5,147,894
				2028	4.46%	(\$5,185)	\$5,142,709
				2029	4.46%	(\$5,186)	\$5,137,523
	Remaining Tax Depreciation			2030	4.46%	(\$5,185)	\$5,132,338
13	Plant Additions	Line 1	(\$914,000)	2031	4.46%	(\$5,186)	\$5,127,152
14	Less Capital Repairs Deduction	Line 3	(\$778,545)	2032	4.46%	(\$5,185)	\$5,121,967
15	Less Bonus Depreciation	Line 12	(\$19,228)	2033	4.46%	(\$5,186)	\$5,116,781
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	(\$116,227)	2034	4.46%	(\$5,185)	\$5,111,596
17	20 YR MACRS Tax Depreciation Rates	IRS Publication 946	3.75%	2035	4.46%	(\$5,186)	\$5,106,410
18	Remaining Tax Depreciation	Line 16 × Line 17	(\$4,359)	2036	4.46%	(\$5,185)	\$5,101,225
				2037	4.46%	(\$5,186)	\$5,096,039
19	FY19 tax (gain)/loss on retirements	Per Tax Department	2/ \$375,698	2038	4.46%	(\$5,185)	\$5,090,854
20	Cost of Removal	Page 5 of 22, Line 7	\$5,626,564	2039	2.23%	(\$2,593)	\$5,088,261
					100.00%	(\$116,227)	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19 & 20	\$5,200,130				

1/ Capital Repairs percentage is FY19 actual from Tax Department
2/ Actual Loss for FY2019

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Net Deferred Tax Reserve Proration on FY 2019 Incremental Capital Investment**

Line No.	Deferred Tax Subject to Proration		(a) FY20	(b) FY21	(b) FY22
		Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 7 Col (a); then = Page 5 of 22, Line 12 ,Col (c) and Col (d)			
1	Book Depreciation		\$162,791	\$13,575	\$13,575
2	Bonus Depreciation		\$0	\$0	\$0
		Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 7 Col (a); then = Page 6 of 22, Col (d)			
3	Remaining MACRS Tax Depreciation		(\$156,315)	\$7,760	\$7,179
4	FY19 tax (gain)/loss on retirements		\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4	\$6,476	\$21,336	\$20,755
6	Effective Tax Rate		21%	21%	21%
7	Deferred Tax Reserve	Line 5 × Line 6	\$1,360	\$4,480	\$4,358
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction				
9	Cost of Removal				
10	Book/Tax Depreciation Timing Difference at 3/31/2019				
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10	\$0	\$0	\$0
12	Effective Tax Rate		21%	21%	21%
13	Deferred Tax Reserve	Line 11 × Line 12	\$0	\$0	\$0
14	Total Deferred Tax Reserve	Line 7 + Line 13	\$1,360	\$4,480	\$4,358
15	Net Operating Loss		\$0	\$0	\$0
16	Net Deferred Tax Reserve	Line 14 + Line 15	\$1,360	\$4,480	\$4,358
	Allocation of FY 2019 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	Line 5	\$6,476	\$21,336	\$20,755
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11	\$0	\$0	\$0
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18	\$6,476	\$21,336	\$20,755
20	Total FY 2019 Federal NOL		\$0	\$0	\$0
21	Allocated FY 2019 Federal NOL Not Subject to Proration	(Line 18 ÷ Line 19) × Line 20	\$0	\$0	\$0
22	Allocated FY 2019 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20	\$0	\$0	\$0
23	Effective Tax Rate		21%	21%	21%
24	Deferred Tax Benefit subject to proration	Line 22 × Line 23	\$0	\$0	\$0
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24	\$1,360	\$4,480	\$4,358
		(h) (i) (j) (k) (l)			
	Proration Calculation	Number of Days in Month Proration Percentage	FY20	FY21	FY22
26	April	30 91.78%	\$104	\$343	\$333
27	May	31 83.29%	\$94	\$311	\$303
28	June	30 75.07%	\$85	\$280	\$273
29	July	31 66.58%	\$75	\$249	\$242
30	August	31 58.08%	\$66	\$217	\$211
31	September	30 49.86%	\$57	\$186	\$181
32	October	31 41.37%	\$47	\$154	\$150
33	November	30 33.15%	\$38	\$124	\$120
34	December	31 24.66%	\$28	\$92	\$90
35	January	31 16.16%	\$18	\$60	\$59
36	February	28 8.49%	\$10	\$32	\$31
37	March	31 0.00%	\$0	\$0	\$0
38	Total	365	\$622	\$2,048	\$1,992
39	Deferred Tax Without Proration	Line 25	\$1,360	\$4,480	\$4,358
40	Average Deferred Tax without Proration	Line 39 × 50%	\$680	\$2,240	\$2,179
41	Proration Adjustment	Line 38 - Line 40	(\$58)	(\$192)	(\$187)

lumn Notes:

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

The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Computation of Revenue Requirement on FY 2020 Forecasted Incremental Gas Capital Investment

Line No.			Fiscal Year 2020 (a)	Fiscal Year 2021 (b)	Fiscal Year 2022 (c)
<u>Depreciable Net Capital Included in ISR Rate Base</u>					
1	Total Allowed Capital Included in ISR Rate Base in Current Year	Page 15 of 22 , Line 3 ,Col (c)	\$115,727,842	\$0	\$0
2	Retirements	Page 15 of 22 , Line 9 ,Col (c)	1/ \$10,634,424	\$0	\$0
3	Net Depreciable Capital Included in ISR Rate Base	Year 1 = Line 1 - Line 2; then = Prior Year Line 3	\$105,093,417	\$105,093,417	\$105,093,417
<u>Change in Net Capital Included in ISR Rate Base</u>					
4	Capital Included in ISR Rate Base	Line 1	\$115,727,842	\$0	\$0
5	Depreciation Expense	, Line 72(c)	\$23,534,853	\$0	\$0
6	Incremental Capital Amount	Year 1 = Line 4 - Line 5; then = Prior Year Line 6	\$92,192,989	\$92,192,989	\$92,192,989
7	Cost of Removal	Page 15 of 22 , Line 6 ,Col (c)	\$4,804,530	\$4,804,530	\$4,804,530
8	Net Plant Amount	Line 6 + Line 7	\$96,997,519	\$96,997,519	\$96,997,519
<u>Deferred Tax Calculation:</u>					
9	Composite Book Depreciation Rate	Page 16 of 22, Line 86(e)	1/ 2.99%	2.99%	2.99%
10	Tax Depreciation	Year 1 =Page 9 of 22, Line 21, Col (a); then =Page 9 of 22, Col (d)	\$88,746,670	\$2,485,973	\$2,299,327
11	Cumulative Tax Depreciation	Year 1 = Line 10; then = Prior Year Line 11 + Current Year Line 10	\$88,746,670	\$91,232,643	\$93,531,971
12	Book Depreciation	Year 1 = Line 3 × Line 9 × 50% ; then = Line 3 × Line 9	\$1,571,147	\$3,142,293	\$3,142,293
13	Cumulative Book Depreciation	Year 1 = Line 12; then = Prior Year Line 13 + Current Year Line 12	\$1,571,147	\$4,713,440	\$7,855,733
14	Cumulative Book / Tax Timer	Line 11 - Line 13	\$87,175,524	\$86,519,204	\$85,676,238
15	Effective Tax Rate		21.00%	21.00%	21.00%
16	Deferred Tax Reserve	Line 14 × Line 15	\$18,306,860	\$18,169,033	\$17,992,010
17	Add: FY 2020 Federal NOL utilization	Page 15 of 22, Line 12, Col (c)	(\$661,020)	(\$661,020)	(\$661,020)
18	Net Deferred Tax Reserve before Proration Adjustment	Line 16 + Line 17	\$17,645,840	\$17,508,013	\$17,330,990
<u>ISR Rate Base Calculation:</u>					
19	Cumulative Incremental Capital Included in ISR Rate Base	Line 8	\$96,997,519	\$96,997,519	\$96,997,519
20	Accumulated Depreciation	- Line 13	(\$1,571,147)	(\$4,713,440)	(\$7,855,733)
21	Deferred Tax Reserve	- Line 18	(\$17,645,840)	(\$17,508,013)	(\$17,330,990)
22	Year End Rate Base before Deferred Tax Proration	Sum of Lines 19 through 21	\$77,780,532	\$74,776,066	\$71,810,796
<u>Revenue Requirement Calculation:</u>					
23	Average Rate Base before Deferred Tax Proration Adjustment	Year 1 = Line 22 × Page 11 of 22, Line 16; then = Average of (Prior Year Line 22 + Current Year Line 22/2)		\$76,278,299	\$73,293,431
24	Proration Adjustment	Page 10 of 22, Line 41, Cols (j), (k) and (l)		(\$5,774)	(\$7,416)
25	Average ISR Rate Base after Deferred Tax Proration	Line 23 + Line 24		\$76,272,525	\$73,286,015
26	Pre-Tax ROR	Page 22 of 22, Line 30, Column (e)		8.41%	8.41%
27	Return and Taxes	Line 25 × Line 26		\$6,414,519	\$6,163,354
28	Book Depreciation	Line 12		\$3,142,293	\$3,142,293
29	Annual Revenue Requirement	Sum of Lines 27 through 28	N/A	\$9,556,813	\$9,305,647

1/ 2.99%, Composite Book Depreciation Rate of Distribution Plant approved per RIPUC Docket No. 4770, effective on Sep 1, 2018

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Tax Depreciation and Repairs Deduction on FY 2020 Incremental Capital Investments**

					Fiscal Year	0.14400				
Line No.					<u>2020</u>					
					(a)	(b)	(c)	(d)	(e)	
1	Capital Repairs Deduction									
2	Plant Additions	Page 8 of 22, Line 1			\$115,727,842	20 Year MACRS Depreciation				
3	Capital Repairs Deduction Rate	Per Tax Department	1/		68.90%					
3	Capital Repairs Deduction	Line 1 × Line 2			\$79,736,483	MACRS basis:	\$34,436,532			
						Annual	Cumulative			
	Bonus Depreciation					Fiscal Year				
4	Plant Additions	Line 1			\$115,727,842	2020	3.75%	\$1,291,370	\$88,746,670	
5	Less Capital Repairs Deduction	Line 3			\$79,736,483	2021	7.22%	\$2,485,973	\$91,232,643	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5			\$35,991,359	2022	6.68%	\$2,299,327	\$93,531,971	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department			100.00%	2023	6.18%	\$2,127,145	\$95,659,115	
8	Plant Eligible for Bonus Depreciation	Line 6 × Line 7			\$35,991,359	2024	5.71%	\$1,967,359	\$97,626,474	
9	Bonus Depreciation Rate 30%	14.4% × 30%			4.32%	2025	5.29%	\$1,819,971	\$99,446,445	
10	Bonus Depreciation Rate 0%				0.00%	2026	4.89%	\$1,683,258	\$101,129,703	
11	Total Bonus Depreciation Rate	Line 9 + Line 10			4.32%	2027	4.52%	\$1,557,220	\$102,686,923	
12	Bonus Depreciation	Line 8 × Line 11			\$1,554,827	2028	4.46%	\$1,536,558	\$104,223,481	
	Remaining Tax Depreciation					2029	4.46%	\$1,536,214	\$105,759,694	
13	Plant Additions	Line 1			\$115,727,842	2030	4.46%	\$1,536,558	\$107,296,252	
14	Less Capital Repairs Deduction	Line 3			\$79,736,483	2031	4.46%	\$1,536,214	\$108,832,466	
15	Less Bonus Depreciation	Line 12			\$1,554,827	2032	4.46%	\$1,536,558	\$110,369,024	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15			\$34,436,532	2033	4.46%	\$1,536,214	\$111,905,238	
17	20 YR MACRS Tax Depreciation Rates	IRS Publication 946			3.75%	2034	4.46%	\$1,536,558	\$113,441,796	
18	Remaining Tax Depreciation	Line 16 × Line 17			\$1,291,370	2035	4.46%	\$1,536,214	\$114,978,010	
19	FY20 tax (gain)/loss on retirements	Per Tax Department	2/		\$1,359,460	2036	4.46%	\$1,536,558	\$116,514,568	
20	Cost of Removal	Page 8 of 22, Line 7			\$4,804,530	2037	4.46%	\$1,536,214	\$118,050,781	
						2038	4.46%	\$1,536,558	\$119,587,339	
						2039	4.46%	\$1,536,214	\$121,123,553	
						2040	2.23%	\$768,279	\$121,891,832	
						100.00%		\$34,436,532		
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19 & 20			\$88,746,670					

1/ FY 2020 estimated capital repair deduction is based on FY 2018 estimate
2/ FY 2020 estimated tax loss on retirements is based on FY 2018 estimate

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Net Deferred Tax Reserve Proration on FY 2020 Incremental Capital Investments**

Line No.	Deferred Tax Subject to Proration		(a) FY20	(b) FY21	(c) FY22
		Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 10 Col (a); then = Page 8 of 22, Line 12 Col (b) and Col (c)			
1	Book Depreciation		\$1,571,147	\$3,142,293	\$3,142,293
2	Bonus Depreciation		\$0	\$0	\$0
3	Remaining MACRS Tax Depreciation	Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 10 Col (a); then = Page 9 of 22, Col (d)	(\$1,349,676)	(\$2,485,973)	(\$2,299,327)
4	FY20 tax (gain)/loss on retirements	Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 10 Col (a); then = 0	(\$1,359,460)	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4	(\$1,137,989)	\$656,320	\$842,966
6	Effective Tax Rate		21%	21%	21%
7	Deferred Tax Reserve	Line 5 × Line 6	(\$238,978)	\$137,827	\$177,023
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 10 Col (a); then = 0	(\$79,736,483)		
9	Cost of Removal	Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 10 Col (a); then = 0	(\$4,804,530)		
10	Book/Tax Depreciation Timing Difference at 3/31/2020				
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10	(\$84,541,013)		
12	Effective Tax Rate		21%		
13	Deferred Tax Reserve	Line 11 × Line 12	(\$17,753,613)		
14	Total Deferred Tax Reserve	Line 7 + Line 13	(\$17,992,590)	\$137,827	\$177,023
15	Net Operating Loss				
16	Net Deferred Tax Reserve	Line 14 + Line 15	(\$17,992,590)	\$137,827	\$177,023
17	Allocation of FY 2018 Estimated Federal NOL				
18	Cumulative Book/Tax Timer Subject to Proration	Line 5	(\$1,137,989)	\$656,320	\$842,966
19	Cumulative Book/Tax Timer Not Subject to Proration	Line 11	(\$84,541,013)	\$0	\$0
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18	(\$85,679,002)	\$656,320	\$842,966
20	Total FY 2020 Federal NOL	Year 1 = Docket no. 4916, R.S. 3, Att. 1R, page 10 Col (a); then = 0	(\$9,513,316)		
21	Allocated FY 2020 Federal NOL Not Subject to Proration	(Line 18 ÷ Line 19) × Line 20	(\$9,386,960)		
22	Allocated FY 2020 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20	(\$126,356)		
23	Effective Tax Rate		21%		
24	Deferred Tax Benefit subject to proration	Line 22 × Line 23	(\$26,535)		
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24	(\$265,512)	\$137,827	\$177,023
		(h) (i) (j) (k) (l)			
		Number of Days in			
	Proration Calculation	Month Proration Percentage	FY20	FY21	FY22
26	April	30 91.80%	(\$10,772)	\$10,544	\$13,543
27	May	31 83.33%	(\$9,779)	\$9,571	\$12,293
28	June	30 75.14%	(\$8,817)	\$8,630	\$11,084
29	July	31 66.67%	(\$7,823)	\$7,657	\$9,835
30	August	31 58.20%	(\$6,829)	\$6,684	\$8,585
31	September	30 50.00%	(\$14,774)	\$5,743	\$7,376
32	October	31 41.53%	(\$12,272)	\$4,770	\$6,126
33	November	30 33.33%	(\$9,850)	\$3,829	\$4,917
34	December	31 24.86%	(\$7,347)	\$2,856	\$3,668
35	January	31 16.39%	(\$4,844)	\$1,883	\$2,418
36	February	29 8.47%	(\$2,503)	\$973	\$1,249
37	March	31 0.00%	\$0	\$0	\$0
38	Total	366	(\$95,609)	\$63,139	\$81,095
39	Deferred Tax Without Proration	Line 25	(\$265,512)	\$137,827	\$177,023
40	Average Deferred Tax without Proration	Year 1: Line 39 × Page 11 of 22, Line 16; then = Line 39 × 0.5	(\$106,789)	\$68,914	\$88,511
41	Proration Adjustment	Line 38 - Line 40	\$11,181	(\$5,774)	(\$7,416)

Column Notes:

- (i) Sum of remaining days in the year (Col (h)) divided by 365
(j) Current Year Line 25 × Page 11 of 22, Col (f) × Current Month Col (i)
(k) & (l) Current Year Line 25 ÷ 12 × Current Month Col (i)

The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
ISR Additions April through August 2020

Line No.	Month No.	Month	FY 2020 ISR Additions (a)	In Rates (b)	Not In Rates (c) = (a) - (b)	Weight for Days (d)	Weighted Average (e) = (d) × (c)	Weight for Investment (f) = (e) ÷ Total(e)
1								
2	1	Apr-19	\$12,879,299	\$7,764,750	\$5,114,549	0.958	\$4,901,443	4.42%
3	2	May-19	\$12,879,299	\$7,764,750	\$5,114,549	0.875	\$4,475,231	4.42%
4	3	Jun-19	\$12,879,299	\$7,764,750	\$5,114,549	0.792	\$4,049,018	4.42%
5	4	Jul-19	\$12,879,299	\$7,764,750	\$5,114,549	0.708	\$3,622,806	4.42%
6	5	Aug-19	\$12,879,299	\$7,764,750	\$5,114,549	0.625	\$3,196,593	4.42%
7	6	Sep-19	\$12,879,299	\$0	\$12,879,299	0.542	\$6,976,287	11.13%
8	7	Oct-19	\$12,879,299	\$0	\$12,879,299	0.458	\$5,903,012	11.13%
9	8	Nov-19	\$12,879,299	\$0	\$12,879,299	0.375	\$4,829,737	11.13%
10	9	Dec-19	\$12,879,299	\$0	\$12,879,299	0.292	\$3,756,462	11.13%
11	10	Jan-20	\$12,879,299	\$0	\$12,879,299	0.208	\$2,683,187	11.13%
12	11	Feb-20	\$12,879,299	\$0	\$12,879,299	0.125	\$1,609,912	11.13%
13	12	Mar-20	\$12,879,299	\$0	\$12,879,299	0.042	\$536,637	11.13%
14	Total		\$154,551,592	\$38,823,750	\$115,727,842		\$46,540,327	100.00%
15	Total Additions September 2019 through March 2020				\$90,155,095			
16	FY 2020 Weighted Average Incremental Rate Base Percentage						40.22%	

Column (a)=Page 15 of 22 , Line 1 ,Col (c)
Column (b)=Page 15 of 22 , Line 2 ,Col (c)
Column (d) = (12.5 - Month No.) ÷ 12
Line 15 = Sum of Lines 7(c) through 13(c)
Line 16 = Line 14(e)/Line 14(c)

The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Computation of Revenue Requirement on FY 2021 Forecasted Incremental Gas Capital Investment

Line No.			Fiscal Year 2021 (a)	Fiscal Year 2022 (b)
<u>Depreciable Net Capital Included in ISR Rate Base</u>				
1	Total Allowed Capital Included in ISR Rate Base in Current Year	Page 15 of 22, Line 3, Col (d)	\$179,664,487	\$0
2	Retirements	Page 15 of 22, Line 9, Col (d)	1/ \$23,555,237	\$0
3	Net Depreciable Capital Included in ISR Rate Base	Year 1 = Line 1 - Line 2; then = Prior Year Line 3	\$156,109,250	\$156,109,250
<u>Change in Net Capital Included in ISR Rate Base</u>				
4	Capital Included in ISR Rate Base	Line 1	\$179,664,487	\$0
5	Depreciation Expense	, Line 78(c)	\$40,700,587	\$0
6	Incremental Capital Amount	Year 1 = Line 4 - Line 5; then = Prior Year Line 6	\$138,963,900	\$138,963,900
7	Cost of Removal	Page 15 of 22, Line 6, Col (d)	\$17,833,998	\$17,833,998
8	Net Plant Amount	Line 6 + Line 7	\$156,797,898	\$156,797,898
<u>Deferred Tax Calculation:</u>				
9	Composite Book Depreciation Rate	Page 16 of 22, Line 86(e)	1/ 2.99%	2.99%
10	Tax Depreciation	Year 1 = Page 13 of 22, Line 21, Col (a); then = Page 13 of 22, Col (d)	\$173,600,482	\$1,909,181
11	Cumulative Tax Depreciation	Year 1 = Line 10; then = Prior Year Line 11 + Current Year Line 10	\$173,600,482	\$175,509,663
12	Book Depreciation	Year 1 = Line 3 × Line 9 × 50%; then = Line 3 × Line 9	\$2,333,833	\$4,667,667
13	Cumulative Book Depreciation	Year 1 = Line 12; then = Prior Year Line 13 + Current Year Line 12	\$2,333,833	\$7,001,500
14	Cumulative Book / Tax Timer	Line 11 - Line 13	\$171,266,649	\$168,508,163
15	Effective Tax Rate		21.00%	21.00%
16	Deferred Tax Reserve	Line 14 × Line 15	\$35,965,996	\$35,386,714
17	Add: FY 2021 Federal NOL utilization	Page 15 of 22, Line 12, Col (d)	(\$4,944,950)	(\$4,944,950)
18	Net Deferred Tax Reserve before Proration Adjustment	Line 16 + Line 17	\$31,021,046	\$30,441,764
<u>ISR Rate Base Calculation:</u>				
19	Cumulative Incremental Capital Included in ISR Rate Base	Line 8	\$156,797,898	\$156,797,898
20	Accumulated Depreciation	- Line 13	(\$2,333,833)	(\$7,001,500)
21	Deferred Tax Reserve	- Line 18	(\$31,021,046)	(\$30,441,764)
22	Year End Rate Base before Deferred Tax Proration	Sum of Lines 19 through 21	\$123,443,019	\$119,354,634
<u>Revenue Requirement Calculation:</u>				
23	Average Rate Base before Deferred Tax Proration Adjustment	Year 1 = Current Year Line 22 ÷ 2; then = (Prior Year Line 22 + Current Year Line 22) ÷ 2	\$61,721,509	\$121,398,826
24	Proration Adjustment	Page 14 of 22, Line 41, Col (j) and Col (k)	\$1,670	(\$24,864)
25	Average ISR Rate Base after Deferred Tax Proration	Line 23 + Line 24	\$61,723,179	\$121,373,962
26	Pre-Tax ROR	Page 22 of 22, Line 30, Column (e)	8.41%	8.41%
27	Return and Taxes	Line 25 × Line 26	\$5,190,919	\$10,207,550
28	Book Depreciation	Line 12	\$2,333,833	\$4,667,667
29	Annual Revenue Requirement	Sum of Lines 27 through 28	\$7,524,753	\$14,875,217

1/ 2.99%, Composite Book Depreciation Rate approved per RIPUC Docket No. 4770, effective on Sep 1, 2018

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Tax Depreciation and Repairs Deduction on FY 2021 Incremental Capital Investments**

Line No.			Fiscal Year 2021 (a)	(b)	(c)	(d)	(e)
Capital Repairs Deduction							
1	Plant Additions	Page 12 of 22, Line 1	\$179,664,487	20 Year MACRS Depreciation			
2	Capital Repairs Deduction Rate	Per Tax Department	1/ 85.28%				
3	Capital Repairs Deduction	Line 1 × Line 2	\$153,217,875				
				MACRS basis:	\$26,446,612		
					Annual	Cumulative	
Bonus Depreciation				Fiscal Year			
4	Plant Additions	Line 1	\$179,664,487	2021	3.75%	\$991,748	\$173,600,482
5	Less Capital Repairs Deduction	Line 3	\$153,217,875	2022	7.22%	\$1,909,181	\$175,509,663
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$26,446,612	2023	6.68%	\$1,765,840	\$177,275,503
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	0.00%	2024	6.18%	\$1,633,607	\$178,909,110
8	Plant Eligible for Bonus Depreciation	Line 6 × Line 7	\$0	2025	5.71%	\$1,510,895	\$180,420,005
9	Bonus Depreciation Rate ()	Per Tax Department	0.00%	2026	5.29%	\$1,397,703	\$181,817,709
10	Bonus Depreciation Rate ()	Per Tax Department	0.00%	2027	4.89%	\$1,292,710	\$183,110,419
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	2028	4.52%	\$1,195,916	\$184,306,335
12	Bonus Depreciation	Line 8 × Line 11	\$0	2029	4.46%	\$1,180,048	\$185,486,383
				2030	4.46%	\$1,179,783	\$186,666,166
				2031	4.46%	\$1,180,048	\$187,846,214
Remaining Tax Depreciation				2032	4.46%	\$1,179,783	\$189,025,997
13	Plant Additions	Line 1	\$179,664,487	2033	4.46%	\$1,180,048	\$190,206,045
14	Less Capital Repairs Deduction	Line 3	\$153,217,875	2034	4.46%	\$1,179,783	\$191,385,828
15	Less Bonus Depreciation	Line 12	\$0	2035	4.46%	\$1,180,048	\$192,565,876
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$26,446,612	2036	4.46%	\$1,179,783	\$193,745,660
17	20 YR MACRS Tax Depreciation Rates	IRS Publication 946	3.75%	2037	4.46%	\$1,180,048	\$194,925,707
18	Remaining Tax Depreciation	Line 16 × Line 17	\$991,748	2038	4.46%	\$1,179,783	\$196,105,491
				2039	4.46%	\$1,180,048	\$197,285,539
19	FY21 tax (gain)/loss on retirements	Per Tax Department	2/ 1,556,861	2040	4.46%	\$1,179,783	\$198,465,322
20	Cost of Removal	Page 12 of 22, Line 7	\$17,833,998	2041	2.23%	\$590,024	\$199,055,346
				100.00%		\$26,446,612	
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19 & 20	\$173,600,482				

- 1/ Capital Repairs percentage is based on a three-year average of FYs 2017, 2018 and 2019 capital repairs rates.
2/ FY 2021 estimated tax loss on retirements is tax department estimate

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Net Deferred Tax Reserve Proration on FY 2021 Incremental Capital Investments**

Line No.	Deferred Tax Subject to Proration		(a) FY21	(b) FY22
		Page 12 of 22 , Line 12 ,Col (a), Col (b) and Col		
1	Book Depreciation		\$2,333,833	\$4,667,667
2	Bonus Depreciation	Page 13 of 22 , Line 12 ,Col (a)	\$0	\$0
		Year 1= - Page 13 of 22, Line 18, Col (a); then = - Page 13 of 22, Col (d)		
3	Remaining MACRS Tax Depreciation		(\$991,748)	(\$1,909,181)
4	FY21 tax (gain)/loss on retirements	Page 13 of 22 , Line 19 ,Col (a)	(\$1,556,861)	\$0
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4	(\$214,776)	\$2,758,486
6	Effective Tax Rate		21%	21%
7	Deferred Tax Reserve	Line 5 × Line 6	(\$45,103)	\$579,282
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction	Page 13 of 22 , Line 3 ,Col (a)	(\$153,217,875)	
9	Cost of Removal	Page 12 of 22 , Line 7 ,Col (a)	(\$17,833,998)	
10	Book/Tax Depreciation Timing Difference at 3/31/2021			
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10	(\$171,051,873)	
12	Effective Tax Rate		21%	
13	Deferred Tax Reserve	Line 11 × Line 12	(\$35,920,893)	
14	Total Deferred Tax Reserve	Line 7 + Line 13	(\$35,965,996)	\$579,282
15	Net Operating Loss	- Page 12 of 22 , Line 17 ,Col (a)	\$4,944,950	
16	Net Deferred Tax Reserve	Line 14 + Line 15	(\$31,021,046)	\$579,282
	Allocation of FY 2021 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration	Line 5	(\$214,776)	\$2,758,486
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11	(\$171,051,873)	\$0
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18	(\$171,266,649)	\$2,758,486
20	Total FY 2021 Federal NOL	- Page 12 of 22 , Line 17 ,Col (a)÷21%	\$23,547,380	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Line 19) × Line 20	\$23,517,851	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20	\$29,529	
23	Effective Tax Rate		21%	
24	Deferred Tax Benefit subject to proration	Line 22 × Line 23	\$6,201	
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24	(\$38,902)	\$579,282
		(h) (i) (j) (k)		
		Number of Days in		
	Proration Calculation	Month Proration Percentage	FY21	FY22
26	April	30 91.78%	(\$2,975)	\$44,306
27	May	31 83.29%	(\$2,700)	\$40,206
28	June	30 75.07%	(\$2,434)	\$36,238
29	July	31 66.58%	(\$2,158)	\$32,138
30	August	31 58.08%	(\$1,883)	\$28,038
31	September	30 49.86%	(\$1,616)	\$24,071
32	October	31 41.37%	(\$1,341)	\$19,971
33	November	30 33.15%	(\$1,075)	\$16,003
34	December	31 24.66%	(\$799)	\$11,903
35	January	31 16.16%	(\$524)	\$7,803
36	February	28 8.49%	(\$275)	\$4,100
37	March	31 0.00%	\$0	\$0
38	Total	365	(\$17,781)	\$264,777
39	Deferred Tax Without Proration	Line 25	(\$38,902)	\$579,282
40	Average Deferred Tax without Proration	Line 39 × 0.5	(\$19,451)	\$289,641
41	Proration Adjustment	Line 38 - Line 40	\$1,670	(\$24,864)

Column Notes:

- (i) Sum of remaining days in the year (Col (h)) divided by 365
(j) & (k) Current Year Line 25 ÷ 12 × Current Month Col (i)

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
FY 2018 - FY 2021 Incremental Capital Investment Summary**

Line No.			Actual Fiscal Year 2018 (a)	Actual Fiscal Year 2019 (b)	Plan Fiscal Year 2020 (c)	Plan Fiscal Year 2021 (d)
<u>Capital Investment</u>						
1	ISR-eligible Capital Investment	Col (a)=Docket No. 4678 FY18 Reconciliation Filing; Col (b)=Docket No. 4781 FY19 Reconciliation Filing; Col (c)=Docket No. 4916 FY20 Plan Filing; Col(d)=Section 2, Table 1	\$97,809,718	\$92,263,000	\$154,551,592	\$179,664,487
2	ISR-eligible Capital Additions included in Rate Base per RIPUC Docket No. 4770	Docket No. 4770 Schedule MAL-11-Gas Page 5, Col (a)=Lines 1(a) + 1(b); Col(b)=Lines 1(c) + 1(d); Col(c)=Line 1(e)	\$93,177,000	\$93,177,000	\$38,823,750	\$0
3	Incremental ISR Capital Investment	Line 1 - Line 2	\$4,632,718	(\$914,000)	\$115,727,842	\$179,664,487
<u>Cost of Removal</u>						
4	ISR-eligible Cost of Removal	Col (a) Docket No. 4678 FY 2018 ISR Reconciliation Filing; Col (b) Docket No. 4781 FY 2019 ISR Reconciliation Filing; Col (c) Docket No. 4916 FY20 Plan Filing; Col(d)=Section 2, Table 1	\$8,603,224	\$11,583,085	\$7,910,408	\$18,947,513
5	ISR-eligible Cost of Removal in Rate Base per RIPUC Docket No. 4770	Schedule 6-GAS, Docket No. 4770: Col(a)=[P1]L23+L42×7÷12+Docket 4678 Page 2, Line 7×3÷12; Col(b)=[P1]L42×5÷12+[P2]L18×7÷12; Col (c)=[P2]L18×5÷12+L39×7÷12; Col (d) = [P2] L39×5÷12+L60×7÷12	\$6,662,056	\$5,956,522	\$3,105,878	\$1,113,515
6	Incremental Cost of Removal	Line 4 - Line 5	\$1,941,168	\$5,626,564	\$4,804,530	\$17,833,998
<u>Retirements</u>						
7	ISR-eligible Retirements	Col (a) Docket No. 4678 FY 2018 ISR Reconciliation Filing; Col (b) Docket No. 4781 FY 2019 ISR Reconciliation Filing; Col (c) Docket No. 4916 FY20 Plan Filing; Col(d)=FY21 Planned Investment x 3-year average actual retirement rate FY17 - FY19	\$24,056,661	\$6,531,844	\$14,753,610	\$25,032,042
8	ISR-eligible Retirements per RIPUC Docket No. 4770	Schedule 6-GAS, Docket No. 4770: Col(a)=[P1]L24+L43×7÷12+ Docket 4678 Page 2, Line 2×3÷12; Col(b)=[P1]L43×5÷12+[P2]L19×7÷12 Col (c)=[P2]L19×5÷12+L40×7÷12; Col (d) = [P2]L40×5÷12+L61×7÷12	\$11,997,233	\$7,899,865	\$4,119,186	\$1,476,805
9	Incremental Retirements	Line 7 - Line 8	\$12,059,428	(\$1,368,021)	\$10,634,424	\$23,555,237
<u>(NOL)/ NOL Utilization</u>						
10	ISR (NOL)/NOL Utilization Per ISR	Page 21 of 22, Line 10	(\$6,051,855)	\$1,091,119	\$2,402,039	\$2,653,232
11	ISR NOL Utilization Per Docket 4770	Schedule 11-Gas Page 11, Docket No. 4770: Col (a)= L40×5÷12; Col (b) = L40×5÷12+L48×7÷12; Col (c) = P11,L48×5÷12+P12,L39×7÷12; Col (d) = P12,L39×5÷12+P12,L49×7÷12	\$0	\$804,769	\$3,063,059	\$7,598,182
12	Incremental (NOL)/NOL Utilization	Line 10 - Line 11	(\$6,051,855)	\$286,350	(\$661,020)	(\$4,944,950)

Note: The FY21 non-growth ISR capital investment of \$198,612,000 is the sum of Line 1 and Line 4.

The Narragansett Electric Company d/b/a National Grid ISR Depreciation Expense per Rate Case RIPUC Docket No. 4770								
Account No.		Account Title	Test Year June 30, 2017 (a)	I/ ARO Adjustment (b)	Adjustments June 30, 2017 (c)	Adjusted Balance (d) = (a) + (b) + (c)	Proposed Rate (e)	Depreciation Expense (f) = (d) x (e)
		Intangible Plant						
1	302.00	Franchises And Consents	\$213,499	\$0	\$0	\$213,499	0.00%	\$0
2	303.00	Misc. Intangible Plant	\$25,427	\$0	\$0	\$25,427	0.00%	\$0
3	303.01	Misc. Int Cap Software	\$19,833,570	\$0	\$9,991,374	\$29,824,944	0.00%	\$0
4								
5		Total Intangible Plant	\$20,072,496	\$0	\$9,991,374	\$30,063,870		\$0
6								
7		Production Plant						
8								
9	304.00	Production Land Land Rights	\$364,912	\$0	\$0	\$364,912	0.00%	\$0
10	305.00	Prod. Structures & Improvements	\$2,693,397	\$0	\$0	\$2,693,397	15.05%	\$405,356
11	307.00	Production Other Power	\$46,159	\$0	\$0	\$46,159	7.16%	\$3,305
12	311.00	Production LNG Equipme	\$3,167,445	\$0	\$0	\$3,167,445	11.40%	\$361,089
13	320.00	Prod. Other Equipment	\$1,106,368	\$0	\$0	\$1,106,368	6.69%	\$74,016
14								
15		Total Production Plant	\$7,378,281	\$0	\$0	\$7,378,281		\$843,766
16								
17		Storage Plant						
18								
19	360.00	Stor Land & Land Rights	\$261,151	\$0	\$0	\$261,151	0.00%	\$0
20	361.03	Storage Structures Improvements	\$3,385,049	\$0	\$0	\$3,385,049	0.99%	\$33,512
21	362.04	Storage Gas Holders	\$4,606,338	\$0	\$0	\$4,606,338	0.04%	\$1,843
22	363.00	Stor. Purification Equipment	\$13,891,210	\$0	\$0	\$13,891,210	3.37%	\$468,134
23								
24		Total Storage Plant	\$22,143,748	\$0	\$0	\$22,143,748		\$503,488
25								
26		Distribution Plant						
27								
28	374.00	Dist. Land & Land Rights	\$956,717	\$0	\$0	\$956,717	0.00%	\$0
29	375.00	Gas Dist Station Structure	\$10,642,632	\$0	\$0	\$10,642,632	1.15%	\$122,390
30	376.00	Distribution Mains	\$46,080,760	\$0	\$0	\$46,080,760	3.61%	\$1,663,515
31	376.03	Dist. River Crossing Main	\$695,165	\$0	\$0	\$695,165	3.61%	\$25,095
32	376.04	Mains - Steel And Other - SI	\$4,190	\$0	\$0	\$4,190	0.00%	\$0
33	376.06	Dist. District Regulator	\$14,213,837	\$0	\$0	\$14,213,837	3.61%	\$513,120
34	376.11	Gas Mains Steel	\$57,759,572	\$0	\$0	\$57,759,572	3.31%	\$1,908,954
35	376.12	Gas Mains Plastic	\$382,797,443	\$0	\$0	\$382,797,443	2.70%	\$10,316,391
36	376.13	Gas Mains Cast Iron	\$5,556,209	\$0	\$0	\$5,556,209	8.39%	\$465,888
37	376.14	Gas Mains Valves	\$222,104	\$0	\$0	\$222,104	3.61%	\$8,018
38	376.15	Propane Lines	\$0	\$0	\$0	\$0	3.61%	\$0
39	376.16	Dist. Cathodic Protect	\$1,569,576	\$0	\$0	\$1,569,576	3.61%	\$56,662
40	376.17	Dist. Joint Seals	\$63,067,055	\$0	\$0	\$63,067,055	4.63%	\$2,920,005
41	377.00	T&D Compressor Sta Equipment	\$248,656	\$0	\$0	\$248,656	1.07%	\$2,661
42	377.62	I/ 5360-Tanks ARO	\$299	(\$299)	\$0	\$0	0.00%	\$0
43	378.10	Gas Measur & Reg Sta Equipment	\$19,586,255	\$0	\$0	\$19,586,255	2.08%	\$407,394
44	378.55	Gas M&Reg Sta Eqp RTU	\$372,772	\$0	\$0	\$372,772	6.35%	\$23,671
45	379.00	Dist. Measur. Reg. Gs	\$11,033,164	\$0	\$0	\$11,033,164	2.22%	\$244,936
46	379.01	Dist. Meas. Reg. Gs Eq	\$1,399,586	\$0	\$0	\$1,399,586	0.00%	\$0
47	380.00	Gas Services All Sizes	\$331,205,854	\$0	\$0	\$331,205,854	3.05%	\$10,101,779
48	381.10	Sml Meter& Reg Bare Co	\$26,829,565	\$0	\$0	\$26,829,565	1.76%	\$472,200
49	381.30	Lrg Meter& Reg Bare Co	\$15,779,214	\$0	\$0	\$15,779,214	1.76%	\$277,714
50	381.40	Meters	\$9,332,227	\$0	\$0	\$9,332,227	0.96%	\$89,589
51	382.00	Meter Installations	\$675,201	\$0	\$0	\$675,201	3.66%	\$24,712
52	382.20	Sml Meter& Reg Installation	\$43,145,998	\$0	\$0	\$43,145,998	3.66%	\$1,579,144
53	382.30	Lrg Meter&Reg Installation	\$2,524,025	\$0	\$0	\$2,524,025	3.66%	\$92,379
54	383.00	Dist. House Regulators	\$937,222	\$0	\$0	\$937,222	0.67%	\$6,279
55	384.00	T&D Gas Reg Installs	\$1,216,551	\$0	\$0	\$1,216,551	1.56%	\$18,978
56	385.00	Industrial Measuring And Regulating Station Equipment	\$540,187	\$0	\$0	\$540,187	4.18%	\$22,580
57	385.01	Industrial Measuring And Regulating Station Equipment	\$255,921	\$0	\$0	\$255,921	0.00%	\$0
58	386.00	Other Property On Customer Premises	\$271,765	\$0	\$0	\$271,765	0.23%	\$625
59	386.02	Dist. Consumer Prem Equipment	\$110,131	\$0	\$0	\$110,131	0.00%	\$0
60	387.00	Dist. Other Equipment	\$930,079	\$0	\$0	\$930,079	2.15%	\$19,997
61	388.00	I/ ARO	\$5,736,827	(\$5,736,827)	\$0	\$0	0.00%	\$0
62								
63		Total Distribution Plant	\$1,055,696,761	(\$5,737,126)	\$0	\$1,049,959,635	2.99%	\$31,384,677
64								
65		General Plant						
66								
67	389.01	General Plant Land Lan	\$285,357	\$0	\$0	\$285,357	0.00%	\$0
68	390.00	Structures And Improvements	\$7,094,532	\$0	\$0	\$7,094,532	3.12%	\$221,349
69	391.01	Gas Office Furniture & Fixture	\$274,719	\$0	\$0	\$274,719	6.67%	\$18,324
70	394.00	General Plant Tools Shop (Fully Dep)	\$26,487	\$0	\$0	\$26,487	0.00%	\$0
71	394.00	General Plant Tools Shop	\$5,513,613	\$0	\$0	\$5,513,613	5.00%	\$275,681
72	395.00	General Plant Laboratory	\$221,565	\$0	\$0	\$221,565	6.67%	\$14,778
73	397.30	Communication Radio Site Specific	\$387,650	\$0	\$0	\$387,650	5.00%	\$19,383
74	397.42	Communication Equip Tel Site	\$63,481	\$0	\$0	\$63,481	20.00%	\$12,696
75	398.10	Miscellaneous Equipment (Fully Dep)	\$1,341,386	\$0	\$0	\$1,341,386	0.00%	\$0
76	398.10	Miscellaneous Equipment	\$2,789,499	\$0	\$0	\$2,789,499	6.67%	\$186,060
77	399.10	I/ ARO	\$342,146	(\$342,146)	\$0	\$0	0.00%	\$0
78								
79		Total General Plant	\$18,340,436	(\$342,146)	\$0	\$17,998,289	4.16%	\$748,271
80								
81		Grand Total - All Categories	\$1,123,631,722	(\$6,079,273)	\$9,991,374	\$1,127,543,823	3.05%	\$33,480,202
82							2.97%	
83		Other Utility Plant Assets						
84			Line 63		Total Distribution Plant	\$1,049,959,635	2.99%	\$31,384,677
85			Line 73 + Line 74		Communication Equipment	\$451,132	7.11%	\$32,079
86					Total ISR Tangible Plant	\$1,050,410,767	2.99%	\$31,416,756
Non ISR Assets						\$77,133,057		

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC Docket Nos. 4770/4780
Compliance Attachment 2
Schedule 6-GAS
Page 1 of 5

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Gas
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

The Narragansett Electric Company
d/b/a National Grid
Gas ISR Depreciation Expense

Line No	Description	Reference	Amount	Less non-ISR eligible	
				Plant	ISR Amount
			(a)	(b)	(c)
1	Total Company Rate Year Depreciation	Sum of Page 2, Line 16 and Line 17	\$39,136,909		
2	Total Company Test Year Depreciation	Per Company Books	\$33,311,851		
3	Less: Reserve adjustments	Page 4, Line 29, Col (b) + Col (c)	(\$15,649)		
4	Adjusted Total Company Test Year Depreciation Expense	Line 2 + Line 3	\$33,296,202		
5	Depreciation Expense Adjustment	Line 1 - Line 4	\$5,840,707		
6					
7			Per Book		
8	Test Year Depreciation Expense 12 Months Ended 06/30/17:		Amount		
9	Total Gas Utility Plant 06/30/17	Page 4, Line 27, Col (d)	\$1,405,994,678	(\$77,133,057)	\$1,328,861,622
10	Less Non Depreciable Plant	Sum of Page 3, Line 5, Col (d) and Page 4, Line 25, Col (e)	(\$308,514,725)		(\$308,514,725)
11	Depreciable Utility Plant 06/30/17	Line 9 + Line 10	\$1,097,479,953	(\$77,133,057)	\$1,020,346,897
12					
13	Plus: Added Plant 2 Mos Ended 08/31/17	Schedule 11-GAS, Page 3, Line 4	\$19,592,266		\$19,592,266
14	Less: Retired Plant 2 Months Ended 08/31/17	1/ Line 13 x Retirement Rate	(\$1,345,989)		(\$1,345,989)
15	Depreciable Utility Plant 08/31/17	Line 11 + Line 13 + Line 14	\$1,115,726,231	(\$77,133,057)	\$1,020,346,897
16					
17	Average Depreciable Plant for Year Ended 08/31/17	(Line 11 + Line 15)/2	\$1,106,603,092		\$1,106,603,092
18					
19	Composite Book Rate %	As Approved in RIPUC Docket No. 4323	3.38%		
20					
21	Book Depreciation Reserve 06/30/17	Page 5, Line 72, Col (d)	\$357,576,825		\$357,576,825
22	Plus: Book Depreciation Expense	Line 17 x Line 19	\$6,233,864		\$6,233,864
23	Less: Net Cost of Removal/(Salvage)	2/ Line 13 x Cost of Removal Rate	(\$1,014,879)		(\$1,014,879)
24	Less: Retired Plant	Line 14	(\$1,345,989)		(\$1,345,989)
25	Book Depreciation Reserve 08/31/17	Sum of Line 21 through Line 24	\$361,449,821		
26					
27	Depreciation Expense 12 Months Ended 08/31/18				
28	Total Utility Plant 08/31/17	Line 9 + Line 13 + Line 14	\$1,424,240,956	(\$77,133,057)	\$1,347,107,900
29	Less Non Depreciable Plant	Line 10	(\$308,514,725)		(\$308,514,725)
30	Depreciable Utility Plant 08/31/17	Line 28 + Line 29	\$1,115,726,231		\$1,038,593,175
31					
32	Plus: Plant Added in 12 Months Ended 08/31/18	Schedule 11-GAS, Page 3, Line 11	\$115,710,016		\$115,710,016
33	Less: Plant Retired in 12 Months Ended 08/31/18	Line 32 x Retirement rate	(\$7,949,278)		(\$7,949,278)
34	Depreciable Utility Plant 08/31/18	Sum of Line 30 through Line 33	\$1,223,486,969		\$1,146,353,912
35					
36	Average Depreciable Plant for 12 Months Ended 08/31/18	(Line 30 + Line 34)/2	\$1,169,606,600		\$1,092,473,543
37					
38	Composite Book Rate %	As Approved in RIPUC Docket No. 4323	3.38%		3.38%
39					
40	Book Depreciation Reserve 08/31/17	Line 25	\$361,449,821		
41	Plus: Book Depreciation 08/31/18	Line 36 x Line 38	\$39,532,703		\$36,925,606
42	Less: Net Cost of Removal/(Salvage)	Line 32 x Cost of Removal Rate	(\$5,993,779)		
43	Less: Retired Plant	Line 33	(\$7,949,278)		
44	Book Depreciation Reserve 08/31/18	Sum of Line 40 through Line 43	\$387,039,467		
1/	3 year average retirement over plant addition in service FY 15 ~ FY17		6.87%	Retirements	
2/	3 year average Cost of Removal over plant addition in service FY 15 ~ FY17		5.18%	COR	

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket Nos. 4770/4780 Compliance Attachment 2 Schedule 6-GAS Page 2 of 5					
The Narragansett Electric Company d/b/a National Grid Depreciation Expense - Gas For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2021					
Line No	Description	Reference	Amount (a)	Less non-ISR eligible	
				Plant (b)	ISR Amount (c)
1	Rate Year Depreciation Expense 12 Months Ended 08/31/19:				
2	Total Utility Plant 08/31/18	Page 1, Line 28 + Line 32 + Line 33	\$1,532,001,694	(\$77,133,057)	\$1,454,868,637
3	Less Non-Depreciable Plant	Page 1, Line 10	(\$308,514,725)		(\$308,514,725)
4	Depreciable Utility Plant 08/31/18	Line 2 + Line 3	\$1,223,486,969		\$1,146,353,912
5					
6	Plus: Added Plant 12 Months Ended 08/31/19	Schedule 11-GAS, Page 3, Line 35	\$114,477,000	(\$1,348,000)	\$113,129,000
7	Less: Depreciable Retired Plant	1/ Line 6 x Retirement rate	(\$7,864,570)	\$92,608	(\$7,771,962)
8					
9	Depreciable Utility Plant 08/31/19	Sum of Line 4 through Line 7	\$1,330,099,399	(\$78,388,449)	\$1,251,710,950
10					
11	Average Depreciable Plant for Rate Year Ended 08/31/19	(Line 4 + Line 9)/2	\$1,276,793,184		\$1,199,032,431
12					
13	Proposed Composite Rate %	Page 4, Line 17, Col (e)	3.05%		2.99%
14					
15	Book Depreciation Reserve 08/31/18	Page 1, Line 44	\$387,039,467		\$0
16	Plus: Book Depreciation Expense	Line 11 x Line 13	\$38,950,409		\$35,851,070
17	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-GAS, Part VI, Page 6	\$186,500		\$186,500
18	Less: Net Cost of Removal(Salvage)	2/ Line 6 x Cost of Removal Rate	(\$5,929,909)		\$0
19	Less: Retired Plant	Line 7	(\$7,864,570)		\$0
20	Book Depreciation Reserve 08/31/15	Sum of Line 15 through Line 1 ⁴	\$412,381,898		\$36,037,570
21					
22	Rate Year Depreciation Expense 12 Months Ended 08/31/20:				
23	Total Utility Plant 08/31/19	Line 2 + Line 6 + Line 7	\$1,638,614,124	(\$78,388,449)	\$1,560,225,675
24	Less Non-Depreciable Plant	Page 1, Line 10	(\$308,514,725)		(\$308,514,725)
25	Depreciable Utility Plant 08/31/15	Line 23 + Line 24	\$1,330,099,399		\$1,251,710,950
26					
27	Plus: Added Plant 12 Months Ended 08/31/20	Schedule 11-GAS, Page 5, Line 11(i)	\$21,017,630	(\$750,000)	\$20,267,630
28	Less: Depreciable Retired Plant	1/ Line 27 x Retirement rate	(\$1,443,911)	\$51,525	(\$1,392,386)
29					\$0
30	Depreciable Utility Plant 08/31/20	Sum of Line 25 through Line 28	\$1,349,673,118	(\$79,086,924)	\$1,270,586,194
31					
32	Average Depreciable Plant for Rate Year Ended 08/31/20	(Line 25 + Line 30)/2	\$1,339,886,258		\$1,261,148,572
33					
34	Proposed Composite Rate %	Page 4, Line 17, Col (e)	3.05%		2.99%
35					
36	Book Depreciation Reserve 08/31/20	Line 20	\$412,381,898		\$0
37	Plus: Book Depreciation Expense	Line 32 x Line 34	\$40,875,154		\$37,708,342
38	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-GAS, Part VI, Page 6	\$186,500		\$186,500
39	Less: Net Cost of Removal(Salvage)	2/ Line 27 x Cost of Removal Rate	(\$1,088,713)		\$0
40	Less: Retired Plant	Line 28	(\$1,443,911)		\$0
41	Book Depreciation Reserve 08/31/20	Sum of Line 36 through Line 40	\$450,910,927		\$37,894,842
42					
43	Rate Year Depreciation Expense 12 Months Ended 08/31/21:				
44	Total Utility Plant 08/31/20	Line 23 + Line 27 + Line 28	\$1,658,187,843	(\$79,086,924)	\$1,579,100,919
45	Less Non-Depreciable Plant	Page 1, Line 10	(\$308,514,725)		(\$308,514,725)
46	Depreciable Utility Plant 08/31/20	Line 44 + Line 45	\$1,349,673,118		\$1,270,586,194
47					
48	Plus: Added Plant 12 Months Ended 08/31/21	Schedule 11-GAS, Page 5, Line 11(i)	\$21,838,436	(\$750,000)	\$21,088,436
49	Less: Depreciable Retired Plant	1/ Line 48 x Retirement rate	(\$1,500,301)	\$51,525	(\$1,448,776)
50					
51	Depreciable Utility Plant 08/31/21	Sum of Line 46 through Line 49	\$1,370,011,253	(\$79,785,399)	\$1,290,225,854
52					
53	Average Depreciable Plant for Rate Year Ended 08/31/21	(Line 46 + Line 51)/2	\$1,359,842,185		\$1,280,406,024
54					
55	Proposed Composite Rate %	Page 4, Line 17, Col (e)	3.05%		2.99%
56					
57	Book Depreciation Reserve 08/31/20	Line 41	\$450,910,927		\$0
58	Plus: Book Depreciation Expense	Line 53 x Line 55	\$41,483,938		\$38,284,140
59	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-GAS, Part VI, Page 6	\$186,500		\$186,500
60	Less: Net Cost of Removal(Salvage)	2/ Line 48 x Cost of Removal Rate	(\$1,131,231)		\$0
61	Less: Retired Plant	Line 49	(\$1,500,301)		\$0
62	Book Depreciation Reserve 08/31/21	Sum of Line 57 through Line 61	\$489,949,834		\$38,470,640
63					
64	1/ 3 year average retirement over plant addition in service FY 15 ~ FY17	0.0687 Retirements			
65	2/ 3 year average Cost of Removal over plant addition in service FY 15 ~ FY17	0.0518 COR			
66					
67	Book Depreciation RY2	Line 37 (a) + Line 38 (b)			\$41,061,654
68	Less: General Plant Depreciation (assuming add=retirement)	Page 10, Line 79(f)			(\$748,271)
69	Plus: Comm Equipment Depreciation	Page 10, Line 73 + Line 74			\$32,079
70	Total				\$40,345,462
71	7 Months				x7/12
72	FY 2020 Depreciation Expense				\$23,534,853
73					
74	Book Depreciation RY3	Line 58 (a) + Line 59 (b)			\$41,670,438
75	Less: General Plant Depreciation	Page 10, Line 79(f)			(\$748,271)
76	Plus: Comm Equipment Depreciation	Page 10, Line 73 + Line 74			\$32,079
77	Total				\$40,954,247
78	FY 2021 Depreciation Expense	5 Months of RY 2 and 7 Months of RY 3			\$40,700,587

The Narragansett Electric Company
d/b/a National Grid
FY 2021 ISR Property Tax Recovery Adjustment
(000s)

Line	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	<u>End of FY 2018</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk. Depr. (I)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2019</u>
1	\$1,195,705	\$92,263	\$24,845	\$117,108		(\$6,844)		\$1,305,969
2	\$414,713				\$40,858	(\$6,844)	(\$6,123)	\$442,604
3	\$780,992							\$863,364
4	\$22,678							\$23,283
5	2.90%							2.70%
	<u>End of FY 2019</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk. Depr. (I)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2020</u>
6	\$1,305,969	\$154,552	\$19,341	\$173,893		(\$14,754)		\$1,465,108
7	\$442,604				\$41,650	(\$14,754)	(\$7,910)	\$461,590
8	\$863,364							\$1,003,518
9	\$23,283							\$28,640
10	2.70%							2.85%
	<u>End of FY 2020</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk. Depr. (I)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2021</u>
11	\$1,465,108	\$179,664	\$24,845	\$204,509		(\$25,032)		\$1,644,585
12	\$461,590				\$46,790	(\$25,032)	(\$18,948)	\$464,401
13	\$1,003,518							\$1,180,184
14	\$28,640							\$31,827
15	2.85%							2.70%
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(k)
<u>Cumulative Increment, ISR Prop. Tax for FY2018</u>								
16	Incremental ISR Additions	\$97,810				\$92,263		
17	Book Depreciation: base allowance on ISR eligible plant	(\$24,356)				(\$24,356)		
18	Book Depreciation: current year ISR additions	(\$1,246)				(\$1,449)		
19	COR	\$8,603				\$11,583		
20	Net Plant Additions	\$80,811				\$78,041		
21	RY Effective Tax Rate	3.06%				3.06%		
22	ISR Property Tax Recovery on FY 2014 vintage investment		\$194		5 month		\$76	
23	ISR Property Tax Recovery on FY 2015 vintage investment		\$1,311			1.27%	\$508	
24	ISR Property Tax Recovery on FY 2016 vintage investment		\$1,819				\$709	
25	ISR Property Tax Recovery on FY 2017 vintage investment		\$1,799				\$714	
26	ISR Property Tax Recovery on FY 2018 vintage investment		\$2,469				\$989	
27	ISR Property Tax Recovery on FY 2019 vintage investment		\$7,592				\$993	
28	Total Property Tax due to ISR						\$3,989	
29	ISR Year Effective Tax Rate	2.90%						
30	RY Effective Tax Rate	3.06%						
31	RY Effective Tax Rate 5 mos for FY 2019	-0.15%			5 month			
32	RY Net Plant times 5 mo/7 month	-0.15%						
33	FY 2014 Net Add times 7 month	\$458,057 * -0.15%	(\$694)			\$458,057 * -0.15%	(\$684)	
34	FY 2015 Net Add times 7 month	\$6,343 * -0.15%	(\$10)			\$5,950 * -0.15%	(\$9)	
35	FY 2016 Net Add times 7 month	\$42,913 * -0.15%	(\$65)			\$39,920 * -0.15%	(\$60)	
36	FY 2017 Net Add times 7 month	\$59,527 * -0.15%	(\$89)			\$55,693 * -0.15%	(\$83)	
37	FY 2018 Net Add times 7 month	\$58,883 * -0.15%	(\$89)			\$56,076 * -0.15%	(\$84)	
38	FY 2019 Net Add times 7 month	\$80,810 * -0.15%	(\$122)			\$77,664 * -0.15%	(\$116)	
39	Total Property Tax due to rate differential		(\$1,071)			\$78,041 * -0.15%	(\$117)	
40	Total ISR Property Tax Recovery		\$6,521					\$2,837

The Narragansett Electric Company
d/b/a National Grid
FY 2021 ISR Property Tax Recovery Adjustment

Cumulative Increm. ISR Prop. Tax for FY2021										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Cumulative Increm. ISR Prop. Tax for FY2020										
41	Incremental ISR Additions									179,664
42	Book Depreciation: base allowance on ISR eligible plant						\$115,728			\$0
43	Book Depreciation: current year ISR additions						(\$1,571)			(2,334)
44	COR						\$4,805			17,834
45	Net Plant Additions									
46							\$118,961			\$195,165
47	RY Effective Tax Rate						2.96%			3.02%
48	Property Tax Recovery on Growth and non-ISR 7 mos									
49	ISR Property Tax Recovery on FY 2018 Net Incremental			\$0						(\$1,249)
50	ISR Property Tax Recovery on FY 2019 Net Incremental			\$118			\$212			\$223
51	ISR Property Tax Recovery on FY 2020 Net Incremental			\$80			\$139			\$141
52	ISR Property Tax Recovery on FY 2021 vintage investment						\$3,518			\$3,499
53	ISR Year Effective Tax Rate									\$5,896
54	RY Effective Tax Rate						2.85%			2.70%
55	RY Effective Tax Rate 7 mos for FY 2019						2.96%			3.02%
56	RY Net Plant times Rate 7 month									
57	Growth and non-ISR Incremental times rate difference			(\$1,203)			\$908,586 * -0.1%			\$889,353 * -0.32%
58	FY 2018 Net Incremental times rate difference			\$0			(\$20,407) * -0.1%			(\$41,336) * -0.32%
59	FY 2019 Net Incremental times rate difference			(\$9)			\$7,156 * -0.1%			\$7,378 * -0.32%
60	FY 2020 Net Incremental times rate difference			(\$6)			\$4,692 * -0.1%			\$4,678 * -0.32%
61	FY 2021 Net Adds times rate difference						\$118,961 * -0.1%			\$115,818.93 * -0.32%
62	Total Property Tax due to rate differential			(\$1,218)						\$195,165 * -0.32%
63	Total ISR Property Tax Recovery			(\$1,138)						(\$3,800)
64										
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	Line Notes	Line Notes
6(a) - 10(a)	Docket No. 4781 Attachment MAL-2, Page 10 of 13, 1(a) to 5(b)	Line 10(a) - Estimated based on FY2019 actual property rate
6(b)	Page 15 of 22, Line 1, Col (c) = 5(b)	Docket No. 4781 Attachment MAL-1, Page 29 of 35, 82(e) to 107(k)
6(c)	Docket No. 4916, Revised Section 3, Att. 1R, P. 15, L. 7(c)	Docket No. 4781 Attachment MAL-2, Page 11 of 13, 31(a) to 50(k)
6(d)	Line 6(b) + Line 6(c)	Page 8 of 22, Line 4(a) = 1000
6(e)	Page 15 of 22, Line 7, Col (c) = 1000	FY20 depreciation is reflected in the NBV at 56(e)
6(f)	Line 6(a) + (d) + (f)	- Page 8 of 22, Line 12(a) = 1000
6(g)	Page 18 of 22, (Line 16 + Line 17, Col (a)) + 5 + 12 + Page 18 of 22, (Line 37 + Line 38, Col (a)) + 7 + 12 + Page 2 of 22, Line 3, Col (a) + Page 5 of 22, Line 3, Col (a) + 0.5 + 3.05% + 1000	- Rate Case, Docket 4770, Compliance, Revised Rebuttal, Att. 1, Sch 1- G, P2, L15, Col (c) = 56(i)
7(f)	Page 15 of 22, Line 4, Col (c) = 1000	Line 47(i) x Line 57(i)
7(g)	Line 7(a) + (e) + (f) + (g)	Line 47(j) x Line 58(i)
8(b)	Line 6(b) - 7(b)	Line 47(k) x Line 59(i)
9(b)	Docket No. 4916, Revised Section 3, Att. 1R, P. 15, L. 10(h)	Line 47(l) x Line 60(i)
10(b)	Line 9(b) + 8(b)	= 15(b)
11(a) - 15(a)	Per Line 6(b) ~ 10(b)	= 47(i)
11(b)	Page 15 of 22, Line 1, Col (d) = 1000	53(i) - 54(i)
11(c)	Line 1(c) - Estimated based on FY2019 actual non-ISR addition	= 54(j)
11(d)	Line 11(b) + Line 11(c)	= Rate Case, Docket 4770, Compliance, Revised Rebuttal, Att. 1, Sch 5-G, P1, L1(e) - L1(g) x 7 = 12000
11(e)	Page 15 of 22, Line 7, Col (d) = 1000	56(e) x 55(f)
11(f)	Page 18 of 22, (Line 37 + Line 38, Col (a)) + 5 + 12 + Page 18 of 22, (Line 58 + Line 59, Col (a)) + 7 + 12 + Page 2 of 22, Line 3, Col (a) + Page 5 of 22, Line 3, Col (a) + 0.5 + 3.05% + 1000	= Rate Case, Docket 4770, Compliance, Revised Rebuttal, Att. 1, Sch 11-G, P5, L3(b) + L3(j) + L7(b) + L7(i)
12(f)	Page 15 of 22, Line 4, Col (d) = 1000	Line 58(e) - Page 2 of 22, Line 12(d) = 1000
12(g)	Line 12(a) + (e) + (f) + (g)	Line 59(e) - Page 5 of 22, Line 12(e) = 1000
13(b)	Line 11(b) - 12(b)	Line 60(e) - Page 8 of 22, Line 5(i) = 1000
14(b)	Line 13(b) x 15(b)	45(f)
		= 61(i) x 55(i)
		sum of 56(k) through 61(k)
		sum of 48(k) through 52(k) + 62(k)

**The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Deferred Income Tax ("DIT") Provisions and Net Operating Losses ("NOL")**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		<u>Test Year July</u>			<u>Jul & Aug 2017</u>	<u>12 Mths Aug 31</u>	<u>12 Mths Aug</u>	<u>12 Mths Aug</u>
		<u>2016 - June 2017</u>				<u>2018</u>	<u>31 2019</u>	<u>31 2020</u>
1	Total Base Rate Plant DIT Provision	\$29,439,421			\$5,223,437	\$20,453,237	\$16,078,372	\$5,085,206
2	Excess DIT amortization				\$0	\$0	(\$1,470,238)	(\$1,470,238)
		<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
3	Total Base Rate Plant DIT Provision					\$24,514,347	\$17,043,594	\$8,195,454
4	Incremental FY 18	\$2,507,039	\$2,560,766	\$1,773,289	\$1,823,824	\$2,507,039	\$53,728	(\$787,477)
5	Incremental FY 19	\$0	\$1,090,524	\$1,085,911	\$1,081,431	\$0	\$1,090,524	(\$4,613)
6	Incremental FY 20	\$0	\$0	\$18,306,860	\$18,169,033	\$0	\$0	\$18,306,860
7	Incremental FY 21				\$35,965,996			(\$137,827)
								\$35,965,996
8	TOTAL Plant DIT Provision	\$2,507,039	\$3,651,291	\$21,166,061	\$57,040,284	\$27,021,386	\$18,187,846	\$25,710,224
9	NOL (Utilization)				\$6,051,855	(\$1,091,119)	(\$2,402,039)	(\$2,653,232)
10	Lesser of NOL or DIT Provision				\$6,051,855	(\$1,091,119)	(\$2,402,039)	(\$2,653,232)

Line Notes:

- 1(e) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 11 of 23, Line 3 plus Line 4
1(f) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 11 of 23, Line 7
1(g) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 11 of 23, Line 50
1(h) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 12 of 23, Line 41
1 RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 12 of 23, Line 51
2 RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 12 of 23, Line 52
- 3 Col (e) = Line 1(b) × 25% + Line 1(e) + Line 1(f) × 7/12; Col (f) = Line 1(f) × 5/12 + Line 1(g) × 7/12 + Line 2(f) × 5/12 + Line 2(g) × 7/12;
- 4(a)-7(d) Cumulative DIT plus Deferred Income Tax (Page 2, Line 16 + Line 18; Page 5, Line 16; Page 8, Line 16; Page 12, Line 16)
4(e)-7(h) Year over year change in cumulative DIT shown in Cols (a) through (d)
8 Sum of Lines 3 through 7
9 Col (e)(f) = Docket No. 4781 FY19 ISR Rec, Att. MAL-2, P.6, L.10; Col (g) = Docket no. 4916, R.S. 3, Att. 1R, P.11, L.10(c); Col(h) = Per Tax Department
10 Lesser of Line 8 or Line 9

The Narragansett Electric Company
d/b/a National Grid
FY 2021 Gas ISR Plan Revenue Requirement
Calculation of Weighted Average Cost of Capital

Line No.

Weighted Average Cost of Capital as approved in RIPUC Docket No. 4323 at 35% income tax rate effective April 1, 2013

	(a)	(b)	(c)	(d)	(e)
			Weighted		
	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	5.70%	2.85%		2.85%
Short Term Debt	0.76%	0.80%	0.01%		0.01%
Preferred Stock	0.15%	4.50%	0.01%		0.01%
Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
	100.00%		7.54%	2.51%	10.05%

(d) - Column (c) x 35% divided by (1 - 35%)

Weighted Average Cost of Capital as approved in RIPUC Docket No. 4323 at 21% income tax rate effective January 1, 2018

	(a)	(b)	(c)	(d)	(e)
			Weighted		
	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	5.70%	2.85%		2.85%
Short Term Debt	0.76%	0.80%	0.01%		0.01%
Preferred Stock	0.15%	4.50%	0.01%		0.01%
Common Equity	49.14%	9.50%	4.67%	1.24%	5.91%
	100.00%		7.54%	1.24%	8.78%

(d) - Column (c) x 21% divided by (1 - 21%)

Weighted Average Cost of Capital as approved in RIPUC Docket No. 4770 effective September 1, 2018

	(a)	(b)	(c)	(d)	(e)
			Weighted		
	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.98%	2.41%		2.41%
Short Term Debt	0.60%	1.76%	0.01%		0.01%
Preferred Stock	0.10%	4.50%	0.00%		0.00%
Common Equity	50.95%	9.28%	4.73%	1.26%	5.99%
	100.00%		7.15%	1.26%	8.41%

(d) - Column (c) x 21% divided by (1 - 21%)

FY18 Blended Rate $\text{Line 8(e)} \times 75\% + \text{Line 20(e)} \times 25\%$ 9.73%

FY19 Blended Rate $\text{Line 20} \times 5 \div 12 + \text{Line 30} \times 7 \div 12$ 8.56%

FY 2021 Revenue Requirement	Rate Class (b)	Rate Base Allocator (%) (c)	Allocation to Rate Class (\$) (d)	Throughput (dth) (e)	ISR Factor (dth) (f)	ISR Factor (therm) (g)	Uncollectible % (h)	ISR Factor (therm) (i)
(1)	(a)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
\$22,761,529								
(2)	Res-NH	2.55%	\$580,419	355,432	\$1.6329	\$0.1632	1.91%	\$0.1663
(3)	Res-H	64.04%	\$14,576,483	20,002,161	\$0.7287	\$0.0728	1.91%	\$0.0742
(4)	Small	8.04%	\$1,830,027	2,595,305	\$0.7051	\$0.0705	1.91%	\$0.0718
(5)	Medium	12.23%	\$2,783,735	6,151,694	\$0.4525	\$0.0452	1.91%	\$0.0460
(6)	Large LL	5.57%	\$1,267,817	2,930,300	\$0.4326	\$0.0432	1.91%	\$0.0440
(7)	Large HL	2.25%	\$512,134	1,564,868	\$0.3272	\$0.0327	1.91%	\$0.0333
(8)	XL-LL	0.97%	\$220,787	1,399,020	\$0.1578	\$0.0157	1.91%	\$0.0160
(9)	XL-HL	4.35%	\$990,127	6,711,586	\$0.1475	\$0.0147	1.91%	\$0.0149
(10)	Total	100.00%	\$22,761,529	41,710,367				

- (a) Line 1: Proposed Capital Revenue Requirement & Forecasted Annual Property Tax Recovery Mechanism (Revised Section 3, Attachment 1R, Page 1, Line 10)
(c) Docket 4770, RI 2017 Rate Case, Compliance Attachment 14, Schedule 2, Page 1 & 2, Line 15 (Rate Class divided by Total Company)
(d) Column (a) Line 1 * Column (c)
(e) Page 2, Column (m), Line 9
(f) Column (d) / Column (e), truncated to 4 decimal places
(g) Column (d) / (Column (e)*10), truncated to 4 decimal places
(h) Docket 4770, RI 2017 Rate Case, Compliance Attachment 2, Schedule 22, Page 7, Line 15
(i) Column (g) / (1- Column (h)), truncated to 4 decimal places

Forecasted Throughput April 2020 - March 2021

	Apr-20 (a)	May-20 (b)	Jun-20 (c)	Jul-20 (d)	Aug-20 (e)	Sep-20 (f)	Oct-20 (g)	Nov-20 (h)	Dec-20 (i)	Jan-21 (j)	Feb-21 (k)	Mar-21 (l)	Total (m)
(1) Res-NH	38,776	23,141	16,991	13,192	12,870	12,955	17,210	29,318	41,316	50,599	54,760	44,305	355,432
(2) Res-H	2,286,040	846,216	583,887	459,638	438,537	451,733	606,383	1,449,079	2,589,846	3,492,100	3,909,276	2,889,426	20,002,161
(3) Small	322,732	146,582	69,771	51,967	51,719	54,435	46,321	164,007	327,130	443,028	543,243	374,371	2,595,305
(4) Medium	695,442	386,939	274,477	199,940	188,417	185,696	221,094	460,376	722,500	931,426	1,071,317	814,070	6,151,694
(5) Large LL	357,960	172,909	80,276	52,887	43,431	45,226	95,592	247,043	377,861	498,681	524,468	433,965	2,930,300
(6) Large HL	141,189	111,789	106,220	91,875	91,003	103,985	106,623	127,141	161,974	178,099	195,202	149,769	1,564,868
(7) X-Large LL	148,254	54,282	35,290	28,734	25,089	29,879	83,202	153,666	176,075	238,687	214,498	211,365	1,399,020
(8) X-Large HL	532,906	493,776	501,198	491,138	501,539	535,334	555,401	580,109	622,822	677,322	653,010	567,030	6,711,586
(9)	4,523,300	2,235,634	1,668,110	1,389,371	1,352,605	1,419,243	1,731,827	3,210,737	5,019,522	6,509,942	7,165,776	5,484,300	41,710,367

Source: Company Forecast

Residential Heating:

Residential Heating Low Income:

Note: Bill Impacts are based on rates approved and currently in effect as of November 1, 2019

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

Residential Non-Heating:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:			
						DAC		EE	
						GCR	Base DAC	ISR	LIHEAP
(31)									
(32)									
(33)									
(34)									
(35)	144	\$379.16	\$362.07	\$17.09	4.7%	\$0.00	\$0.00	\$16.58	\$0.00
(36)	158	\$398.22	\$379.46	\$18.76	4.9%	\$0.00	\$0.00	\$18.20	\$0.00
(37)	172	\$417.31	\$396.86	\$20.44	5.2%	\$0.00	\$0.00	\$19.83	\$0.00
(38)	189	\$440.45	\$418.00	\$22.45	5.4%	\$0.00	\$0.00	\$21.78	\$0.00
(39)	202	\$458.17	\$434.16	\$24.01	5.5%	\$0.00	\$0.00	\$23.29	\$0.00
(40)	220	\$482.64	\$456.50	\$26.13	5.7%	\$0.00	\$0.00	\$25.35	\$0.00
(41)	238	\$507.21	\$478.92	\$28.29	5.9%	\$0.00	\$0.00	\$27.44	\$0.00
(42)	251	\$524.94	\$495.09	\$29.85	6.0%	\$0.00	\$0.00	\$28.95	\$0.00
(43)	268	\$548.01	\$516.15	\$31.87	6.2%	\$0.00	\$0.00	\$30.91	\$0.00
(44)	282	\$567.08	\$533.56	\$33.52	6.3%	\$0.00	\$0.00	\$32.51	\$0.00
(45)	297	\$587.53	\$552.21	\$35.32	6.4%	\$0.00	\$0.00	\$34.26	\$0.00

Residential Non-Heating Low Income:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:			
						Low Income		DAC	
						GCR	Discount	Base DAC	ISR
(46)									
(47)									
(48)									
(49)									
(50)	144	\$282.82	\$270.00	\$12.82	4.7%	\$0.00	(\$4.14)	\$0.00	\$16.58
(51)	158	\$296.97	\$282.90	\$14.07	5.0%	\$0.00	(\$4.55)	\$0.00	\$18.20
(52)	172	\$311.12	\$295.79	\$15.33	5.2%	\$0.00	(\$4.96)	\$0.00	\$19.83
(53)	189	\$328.29	\$311.45	\$16.84	5.4%	\$0.00	(\$5.44)	\$0.00	\$21.78
(54)	202	\$341.44	\$323.43	\$18.01	5.6%	\$0.00	(\$5.82)	\$0.00	\$23.29
(55)	220	\$359.60	\$340.00	\$19.60	5.8%	\$0.00	(\$6.34)	\$0.00	\$25.35
(56)	238	\$377.82	\$356.61	\$21.22	5.9%	\$0.00	(\$6.86)	\$0.00	\$27.44
(57)	251	\$390.98	\$368.60	\$22.38	6.1%	\$0.00	(\$7.24)	\$0.00	\$28.95
(58)	268	\$408.12	\$384.22	\$23.90	6.2%	\$0.00	(\$7.73)	\$0.00	\$30.91
(59)	282	\$422.28	\$397.14	\$25.14	6.3%	\$0.00	(\$8.13)	\$0.00	\$32.51
(60)	297	\$437.44	\$410.95	\$26.49	6.4%	\$0.00	(\$8.57)	\$0.00	\$34.26

Note: Bill Impacts are based on rates approved and currently in effect as of November 1, 2019

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

C & I Small:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:			
						DAC			
						GCR	Base DAC	ISR	LIHEAP
(61)									GET
(62)									
(63)									
(64)									
(65)	830	\$1,280.36	\$1,236.91	\$43.45	3.5%	\$0.00	\$0.00	\$42.15	\$0.00
(66)	919	\$1,383.35	\$1,335.24	\$48.11	3.6%	\$0.00	\$0.00	\$46.67	\$0.00
(67)	1,010	\$1,488.78	\$1,435.89	\$52.89	3.7%	\$0.00	\$0.00	\$51.30	\$0.00
(68)	1,099	\$1,591.80	\$1,534.28	\$57.53	3.7%	\$0.00	\$0.00	\$55.80	\$0.00
(69)	1,187	\$1,693.76	\$1,631.59	\$62.18	3.8%	\$0.00	\$0.00	\$60.31	\$0.00
(70)	1,277	\$1,797.99	\$1,731.10	\$66.89	3.9%	\$0.00	\$0.00	\$64.88	\$0.00
(71)	1,367	\$1,902.20	\$1,830.62	\$71.58	3.9%	\$0.00	\$0.00	\$69.43	\$0.00
(72)	1,456	\$2,005.24	\$1,929.01	\$76.24	4.0%	\$0.00	\$0.00	\$73.95	\$0.00
(73)	1,544	\$2,107.21	\$2,026.37	\$80.85	4.0%	\$0.00	\$0.00	\$78.42	\$0.00
(74)	1,635	\$2,212.62	\$2,126.98	\$85.64	4.0%	\$0.00	\$0.00	\$83.07	\$0.00
(75)	1,725	\$2,316.76	\$2,226.44	\$90.32	4.1%	\$0.00	\$0.00	\$87.61	\$0.00

C & I Medium:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:			
						DAC			
						GCR	Base DAC	ISR	LIHEAP
(76)									GET
(77)									
(78)									
(79)									
(80)	6,907	\$7,815.38	\$7,586.12	\$229.26	3.0%	\$0.00	\$0.00	\$222.38	\$0.00
(81)	7,650	\$8,542.08	\$8,288.09	\$253.99	3.1%	\$0.00	\$0.00	\$246.37	\$0.00
(82)	8,391	\$9,266.33	\$8,987.78	\$278.55	3.1%	\$0.00	\$0.00	\$270.19	\$0.00
(83)	9,136	\$9,994.78	\$9,691.48	\$303.30	3.1%	\$0.00	\$0.00	\$294.20	\$0.00
(84)	9,880	\$10,722.35	\$10,394.38	\$327.97	3.2%	\$0.00	\$0.00	\$318.13	\$0.00
(85)	10,623	\$11,449.03	\$11,096.39	\$352.64	3.2%	\$0.00	\$0.00	\$342.06	\$0.00
(86)	11,366	\$12,175.68	\$11,798.42	\$377.27	3.2%	\$0.00	\$0.00	\$365.95	\$0.00
(87)	12,111	\$12,904.12	\$12,502.07	\$402.04	3.2%	\$0.00	\$0.00	\$389.98	\$0.00
(88)	12,855	\$13,631.74	\$13,205.00	\$426.74	3.2%	\$0.00	\$0.00	\$413.94	\$0.00
(89)	13,596	\$14,356.01	\$13,904.68	\$451.33	3.2%	\$0.00	\$0.00	\$437.79	\$0.00
(90)	14,340	\$15,083.55	\$14,607.54	\$476.01	3.3%	\$0.00	\$0.00	\$461.73	\$0.00

Note: Bill Impacts are based on rates approved and currently in effect as of November 1, 2019

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

C & I LLF Large:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:			
						DAC			
						GCR	Base DAC	ISR	LIHEAP
(91)									GET
(92)									
(93)									
(94)									
(95)	37,587	\$41,021.69	\$39,828.18	\$1,193.51	3.0%	\$0.00	\$0.00	\$1,157.70	\$0.00
(96)	41,634	\$45,170.68	\$43,848.69	\$1,321.99	3.0%	\$0.00	\$0.00	\$1,282.33	\$0.00
(97)	45,683	\$49,322.15	\$47,871.63	\$1,450.53	3.0%	\$0.00	\$0.00	\$1,407.01	\$0.00
(98)	49,731	\$53,472.74	\$51,893.64	\$1,579.10	3.0%	\$0.00	\$0.00	\$1,531.73	\$0.00
(99)	53,777	\$57,620.85	\$55,913.25	\$1,707.60	3.1%	\$0.00	\$0.00	\$1,656.37	\$0.00
(100)	57,825	\$61,771.39	\$59,935.28	\$1,836.10	3.1%	\$0.00	\$0.00	\$1,781.02	\$0.00
(101)	61,873	\$65,921.97	\$63,957.34	\$1,964.63	3.1%	\$0.00	\$0.00	\$1,905.69	\$0.00
(102)	65,920	\$70,070.95	\$67,977.83	\$2,093.11	3.1%	\$0.00	\$0.00	\$2,030.32	\$0.00
(103)	69,967	\$74,220.60	\$71,998.95	\$2,221.65	3.1%	\$0.00	\$0.00	\$2,155.00	\$0.00
(104)	74,016	\$78,372.11	\$76,021.91	\$2,350.21	3.1%	\$0.00	\$0.00	\$2,279.70	\$0.00
(105)	78,063	\$82,521.10	\$80,042.40	\$2,478.70	3.1%	\$0.00	\$0.00	\$2,404.34	\$0.00

C & I HLF Large:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:			
						DAC			
						GCR	Base DAC	ISR	LIHEAP
(106)									GET
(107)									
(108)									
(109)									
(110)	41,956	\$37,490.60	\$36,599.56	\$891.04	2.4%	\$0.00	\$0.00	\$864.31	\$0.00
(111)	46,471	\$41,257.90	\$40,270.98	\$986.92	2.5%	\$0.00	\$0.00	\$957.31	\$0.00
(112)	50,991	\$45,028.91	\$43,946.01	\$1,082.90	2.5%	\$0.00	\$0.00	\$1,050.41	\$0.00
(113)	55,507	\$48,796.99	\$47,618.20	\$1,178.79	2.5%	\$0.00	\$0.00	\$1,143.43	\$0.00
(114)	60,028	\$52,568.76	\$51,293.91	\$1,274.86	2.5%	\$0.00	\$0.00	\$1,236.61	\$0.00
(115)	64,545	\$56,337.53	\$54,966.78	\$1,370.75	2.5%	\$0.00	\$0.00	\$1,329.63	\$0.00
(116)	69,062	\$60,106.32	\$58,639.63	\$1,466.69	2.5%	\$0.00	\$0.00	\$1,422.69	\$0.00
(117)	73,583	\$63,878.05	\$62,315.37	\$1,562.68	2.5%	\$0.00	\$0.00	\$1,515.80	\$0.00
(118)	78,099	\$67,646.14	\$65,987.53	\$1,658.61	2.5%	\$0.00	\$0.00	\$1,608.85	\$0.00
(119)	82,619	\$71,417.15	\$69,662.55	\$1,754.60	2.5%	\$0.00	\$0.00	\$1,701.96	\$0.00
(120)	87,137	\$75,187.60	\$73,337.06	\$1,850.55	2.5%	\$0.00	\$0.00	\$1,795.03	\$0.00

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