

February 12, 2021

BY ELECTRONIC MAIL

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

**RE: Docket 5099 - Proposed FY 2022 Gas Infrastructure, Safety, and Reliability Plan
Responses to PUC Data Requests – Set 5
Attachment PUC 5-1**

Dear Ms. Massaro:

I have enclosed an electronic version of National Grid's¹ Attachment PUC 5-1 in response to data request PUC 5-1, which was inadvertently omitted from the Company's responses submitted to the Commission on February 9, 2021 in the above-referenced matter.

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

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 5099 Service List
Leo Wold, Esq.
Al Mancini, Division
John Bell, Division
Rod Walker, Division

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

The Narragansett Electric Company
d/b/a National Grid
FY 2022 Revenue Requirement Calculated on FY 2022 Plant in Service of \$163.154 million
Annual Revenue Requirement Summary

Line No.		Approved Fiscal Year 2021 (a)	Fiscal Year 2022 (b)	Fiscal Year 2023 (c)
<u>Operation and Maintenance Expenses</u>				
1	Forecasted Gas Operation and Maintenance Expense	\$0	\$0	\$0
<u>Capital Investment:</u>				
2	Actual Revenue Requirement on FY 2018 Incremental Capital Included in ISR Rate Base	\$676,445	\$690,881	\$705,341
3	Actual Revenue Requirement on FY 2019 Incremental Capital Included in ISR Rate Base	\$292,352	\$291,583	\$290,803
4	Actual Revenue Requirement on FY 2020 Incremental Capital Included in ISR Rate Base	\$9,556,813	\$8,718,700	\$8,490,363
5	Forecasted Revenue Requirement on FY 2021 Capital Included in ISR Rate Base	\$7,524,753	\$15,098,354	\$14,755,678
6	Forecasted Revenue Requirement on FY 2022 Capital Included in ISR Rate Base		\$5,665,524	\$11,173,114
7	Total Capital Investment Revenue Requirement	\$18,050,363	\$30,465,042	\$35,415,299
8	FY 2021 Property Tax Recovery Adjustment	\$4,711,167		
9	FY 2022 Property Tax Recovery Adjustment		\$7,825,266	
10	Total Capital Investment Component of Revenue Requirement	\$22,761,529	\$38,290,308	\$35,415,299
11	Total Fiscal Year Revenue Requirement	\$22,761,529	\$38,290,308	\$35,415,299
12	Incremental Fiscal Year Rate Adjustment		\$15,528,779	

Column Notes:

- (a) RIPUC Docket No. 4996, Revised Section 3, Attachment 1R, Page 1 of 22, Column (b)
- (b) Lines 2 through 5: RIPUC Docket No. 5099, Attachment MAL-1, Page 1 of 25, Column (b), Lines 2 through 5.
- (c) Lines 2 through 5: RIPUC Docket No. 5099, Attachment MAL-1, Page 1 of 25, Column (c), Lines 2 through 5.

Line Notes for Columns (b) & (c) only:

- 6 Page 2 of 12, Line 29, Col. (a) and Col. (b)
- 7 Sum of Lines 2 through Line 6
- 9 Page 11 of 12, Line 55, Column (k) × 1,000
- 10 Sum of Line 7 through Line 9
- 11 Line 1 + Line 10
- 12 Line 11 Col (b) - Line 11 Col (a)

**The Narragansett Electric Company
d/b/a National Grid
FY 2022 Revenue Requirement Calculated on FY 2022 Plant in Service of \$163.154 million
FY 2022 Revenue Requirement FY 2022 Forecasted Incremental Gas Capital Investment**

Line No.			Fiscal Year <u>2022</u> (a)	Fiscal Year <u>2023</u> (b)
<u>Depreciable Net Capital Included in ISR Rate Base</u>				
1	Total Allowed Capital Included in ISR Rate Base in Current Year	Page 5 of 12 , Line 3 ,Col (e)	\$158,911,811	\$0
2	Retirements	Page 5 of 12 , Line 9 ,Col (e)	1/ \$19,238,956	\$0
3	Net Depreciable Capital Included in ISR Rate Base	Year 1 = Line 1 - Line 2; then = Prior Year Line 3	\$139,672,855	\$139,672,855
<u>Change in Net Capital Included in ISR Rate Base</u>				
4	Capital Included in ISR Rate Base	Line 1	\$158,911,811	\$0
5	Depreciation Expense	Page 9 of 12, Line 77(c)	\$40,954,246	\$0
6	Incremental Capital Amount	Year 1 = Line 4 - Line 5; then = Prior Year Line 6	\$117,957,565	\$117,957,565
7	Cost of Removal	Page 5 of 12 , Line 6 ,Col (e)	\$3,770,843	\$3,770,843
8	Net Plant Amount	Line 6 + Line 7	\$121,728,407	\$121,728,407
<u>Deferred Tax Calculation:</u>				
9	Composite Book Depreciation Rate	Page 7 of 12, Line 86(e)	1/ 2.99%	2.99%
10	Tax Depreciation	Year 1 =Page 3 of 12, Line 21, Col (a); then = Page 3 of 12, Col (d)	\$135,376,357	\$2,089,826
11	Cumulative Tax Depreciation	Year 1 = Line 10; then = Prior Year Line 11 + Current Year Line 10	\$135,376,357	\$137,466,183
12	Book Depreciation	Year 1 = Line 3 × Line 9 × 50% ; then = Line 3 × Line 9	\$2,088,109	\$4,176,218
13	Cumulative Book Depreciation	Year 1 = Line 12; then = Prior Year Line 13 + Current Year Line 12	\$2,088,109	\$6,264,328
14	Cumulative Book / Tax Timer	Line 11 - Line 13	\$133,288,248	\$131,201,855
15	Effective Tax Rate		21.00%	21.00%
16	Deferred Tax Reserve	Line 14 × Line 15	\$27,990,532	\$27,552,390
17	Add: FY 2022 Federal NOL utilization	Page 5 of 12 , Line 12 ,Col (e)	\$6,564,587	\$6,564,587
18	Net Deferred Tax Reserve before Proration Adjustment	Line 16 + Line 17	\$34,555,119	\$34,116,976
<u>ISR Rate Base Calculation:</u>				
19	Cumulative Incremental Capital Included in ISR Rate Base	Line 8	\$121,728,407	\$121,728,407
20	Accumulated Depreciation	- Line 13	(\$2,088,109)	(\$6,264,328)
21	Deferred Tax Reserve	- Line 18	(\$34,555,119)	(\$34,116,976)
22	Year End Rate Base before Deferred Tax Proration	Sum of Lines 19 through 21	\$85,085,179	\$81,347,104
<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	\$42,542,590	\$83,216,141
24	Proration Adjustment	Page 4 of 12, Line 41, Col (j) and Col. (k)	(\$4,957)	(\$18,806)
25	Average ISR Rate Base after Deferred Tax Proration	Line 23 + Line 24	\$42,537,633	\$83,197,335
26	Pre-Tax ROR	Page 12 of 12, Line 30, Column (e)	8.41%	8.41%
27	Return and Taxes	Line 25 × Line 26	\$3,577,415	\$6,996,896
28	Book Depreciation	Line 12	\$2,088,109	\$4,176,218
29	Annual Revenue Requirement	Sum of Lines 27 through 28	\$5,665,524	\$11,173,114

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 2022 Revenue Requirement Calculated on FY 2022 Plant in Service of \$163.154 million
Calculation of Tax Depreciation and Repairs Deduction on FY 2022 Incremental Capital Investments

Line No.			Fiscal Year				
			2022 (a)	(b)	(c)	(d)	(e)
Capital Repairs Deduction							
1	Plant Additions	Page 2 of 12, Line 1	\$158,911,811	20 Year MACRS Depreciation			
2	Capital Repairs Deduction Rate	Per Tax Department 1/	81.78%				
3	Capital Repairs Deduction	Line 1 × Line 2	\$129,962,847				MACRS basis:
Bonus Depreciation							
4	Plant Additions	Line 1	\$158,911,811	Fiscal Year			
5	Less Capital Repairs Deduction	Line 3	\$129,962,847	2022	3.75%	\$1,085,586	\$135,376,357
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$28,948,964	2023	7.22%	\$2,089,826	\$137,466,183
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	0.00%	2024	6.68%	\$1,932,922	\$139,399,105
8	Plant Eligible for Bonus Depreciation	Line 6 × Line 7	\$0	2025	6.18%	\$1,788,178	\$141,187,283
9	Bonus Depreciation Rate 30%	Per Tax Department	0.00%	2026	5.71%	\$1,653,854	\$142,841,137
10	Bonus Depreciation Rate 0%	Per Tax Department	0.00%	2027	5.29%	\$1,529,953	\$144,371,090
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	2028	4.89%	\$1,415,025	\$145,786,115
12	Bonus Depreciation	Line 8 × Line 11	\$0	2029	4.52%	\$1,309,072	\$147,095,187
Remaining Tax Depreciation							
13	Plant Additions	Line 1	\$158,911,811	2030	4.46%	\$1,291,703	\$148,386,890
14	Less Capital Repairs Deduction	Line 3	\$129,962,847	2031	4.46%	\$1,291,413	\$149,678,303
15	Less Bonus Depreciation	Line 12	\$0	2032	4.46%	\$1,291,703	\$150,970,006
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$28,948,964	2033	4.46%	\$1,291,413	\$152,261,419
17	20 YR MACRS Tax Depreciation Rates	IRS Publication 946	3.75%	2034	4.46%	\$1,291,703	\$153,553,122
18	Remaining Tax Depreciation	Line 16 × Line 17	\$1,085,586	2035	4.46%	\$1,291,413	\$154,844,535
19	FY22 tax (gain)/loss on retirements	Per Tax Department 2/	\$557,081	2036	4.46%	\$1,291,703	\$156,136,238
20	Cost of Removal	Page 2 of 12, Line 7	\$3,770,843	2037	4.46%	\$1,291,413	\$157,427,651
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19 & 20	\$135,376,357	2038	4.46%	\$1,291,703	\$158,719,354
				2039	4.46%	\$1,291,413	\$160,010,768
				2040	4.46%	\$1,291,703	\$161,302,470
				2041	4.46%	\$1,291,413	\$162,593,884
				2042	2.23%	\$645,851	\$163,239,735
					100.00%	\$28,948,964	

1/ Capital Repairs percentage is based on a three-year average of FYs 2018, 2019 and 2020 capital repairs rates.
2/ FY 2022 estimated tax loss on retirements is tax department estimate

The Narragansett Electric Company
d/b/a National Grid
FY 2022 Revenue Requirement Calculated on FY 2022 Plant in Service of \$163.154 million
Calculation of Net Deferred Tax Reserve Proration on FY 2022 Incremental Capital Investments

Line No.	Deferred Tax Subject to Proration	(a) FY22	(b) FY23
1	Book Depreciation	Page 2 of 12 , Line 12 ,Col (a) and Col (b)	\$2,088,109
2	Bonus Depreciation	- Page 3 of 12 , Line 12 ,Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 3 of 12 , Col (d)	(\$1,085,586)
4	FY22 tax (gain)/loss on retirements	- Page 3 of 12 , Line 19 ,Col (a)	(\$557,081)
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4	\$445,442
6	Effective Tax Rate	21%	21%
7	Deferred Tax Reserve	Line 5 × Line 6	\$93,543
Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction	- Page 3 of 12 , Line 3 ,Col (a)	(\$129,962,847)
9	Cost of Removal	- Page 2 of 12 , Line 7 ,Col (a)	(\$3,770,843)
10	Book/Tax Depreciation Timing Difference at 3/31/2022		
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10	(\$133,733,690)
12	Effective Tax Rate	21%	
13	Deferred Tax Reserve	Line 11 × Line 12	(\$28,084,075)
14	Total Deferred Tax Reserve	Line 7 + Line 13	(\$27,990,532)
15	Net Operating Loss	- Page 2 of 12 , Line 17 ,Col (a)	(\$6,564,587)
16	Net Deferred Tax Reserve	Line 14 + Line 15	(\$34,555,119)
Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration	Line 5	\$445,442
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11	(\$133,733,690)
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18	(\$133,288,248)
20	Total FY 2022 Federal NOL	- Page 2 of 12 , Line 17 ,Col (a)÷21%	(\$31,259,936)
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Line 19) × Line 20	(\$31,364,405)
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20	\$104,469
23	Effective Tax Rate	21%	
24	Deferred Tax Benefit subject to proration	Line 22 × Line 23	\$21,938
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24	\$115,481
		(h)	(i)
		Number of Days in	Proration Percentage
	Proration Calculation	<u>Month</u>	<u>FY22</u>
26	April	30	91.78%
27	May	31	83.29%
28	June	30	75.07%
29	July	31	66.58%
30	August	31	58.08%
31	September	30	49.86%
32	October	31	41.37%
33	November	30	33.15%
34	December	31	24.66%
35	January	31	16.16%
36	February	28	8.49%
37	March	31	0.00%
38	Total	365	
			FY22
			FY23
26	April		\$8,832
27	May		\$8,015
28	June		\$7,224
29	July		\$6,407
30	August		\$5,590
31	September		\$4,799
32	October		\$3,981
33	November		\$3,190
34	December		\$2,373
35	January		\$1,556
36	February		\$817
37	March		\$0
38	Total		\$52,784
			\$200,265
39	Deferred Tax Without Proration	Line 25	\$115,481
40	Average Deferred Tax without Proration	Line 39 × 0.5	\$57,741
41	Proration Adjustment	Line 38 - Line 40	(\$4,957)

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 2022 Revenue Requirement Calculated on FY 2022 Plant in Service of \$163.154 million
FY 2018 - FY 2022 Incremental Capital Investment Summary

Line No.		Actual Fiscal Year 2018 (a)	Actual Fiscal Year 2019 (b)	Actual Fiscal Year 2020 (c)	Plan Fiscal Year 2021 (d)	Plan Fiscal Year 2022 (e)		
<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 Reconciliation Filing; Col (d)=Docket No. 4996 FY21 Plan Filing; Col(e)=Section 2, Table 1		\$97,809,718	\$92,263,000	\$144,119,796	\$179,664,487	\$158,911,811
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(c)		\$93,177,000	\$93,177,000	\$38,823,750	\$0	\$0
3	Incremental ISR Capital Investment	Line 1 - Line 2		\$4,632,718	(\$914,000)	\$105,296,046	\$179,664,487	\$158,911,811
<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 FY 2020 ISR Reconciliation Filing; Col (d)=Docket No. 4996 FY21 Plan Filing; Col (e)=Section 2, Table 1		\$8,603,224	\$11,583,085	\$10,161,508	\$18,947,513	\$4,242,189
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 7x3÷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; Col (e)=[P2] L60×5÷12		\$6,662,056	\$5,956,522	\$3,105,878	\$1,113,515	\$471,346
6	Incremental Cost of Removal	Line 4 - Line 5		\$1,941,168	\$5,626,564	\$7,055,630	\$17,833,998	\$3,770,843
<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 FY 2020 ISR Reconciliation Filing; Col (d) Docket No. 4996 FY21 Plan Filing; Col(e)=FY22 Planned Investment x 3-year average actual retirement rate FY18 - FY20		\$24,056,661	\$6,531,844	\$8,395,321	\$25,032,041	\$19,864,082
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 2x3÷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; Col (e)=[P2] L61×5÷12		\$11,997,233	\$7,899,865	\$4,119,186	\$1,476,805	\$625,125
9	Incremental Retirements	Line 7 - Line 8		\$12,059,428	(\$1,368,021)	\$4,276,135	\$23,555,236	\$19,238,956
<u>(NOL)/ NOL Utilization</u>								
10	ISR (NOL)/NOL Utilization Per ISR	Page 6 of 12, Line 11		(\$6,051,855)	\$1,091,119	\$0	\$0	\$10,722,358
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; Col (e) = P12,L49×5÷12		\$0	\$804,769	\$3,063,059	\$7,598,182	\$4,157,771
12	Incremental (NOL)/NOL Utilization	Line 10 - Line 11		(\$6,051,855)	\$286,350	(\$3,063,059)	(\$7,598,182)	\$6,564,587

Note: Per 5099 PUC 5-1 requirement, the sum of Line 1(e) and Line 4(e) represents the reduction of \$16.992 million from the original FY22 non-growth ISR capital investment of \$180,146,000 filed on December 18, 2020.

The Narragansett Electric Company
d/b/a National Grid
FY 2022 Revenue Requirement Calculated on FY 2022 Plant in Service of \$163.154 million
Deferred Income Tax ("DIT") Provisions and Net Operating Losses ("NOL")

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
		<u>Test Year July</u>					<u>12 Mths Aug 31</u>	<u>12 Mths Aug 31</u>	<u>12 Mths Aug 31</u>	<u>12 Mths Aug 31</u>
		<u>2016 - June 2017</u>				<u>Jul & Aug 2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
1	Total Base Rate Plant DIT Provision	\$29,439,421				\$5,223,437	\$20,453,237	\$16,078,372	\$5,085,206	\$7,746,916
2	Excess DIT amortization					\$0	\$0	(\$1,470,238)	(\$1,470,238)	(\$1,470,238)
		<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
3	Total Base Rate Plant DIT Provision						\$24,514,347	\$17,043,594	\$8,195,454	\$5,167,632
4	Incremental FY 18	\$2,507,039	\$2,560,766	\$1,773,289	\$1,823,824	\$1,874,066	\$2,507,039	\$53,728	(\$787,477)	\$50,535
5	Incremental FY 19	\$0	\$1,090,524	\$1,085,911	\$1,081,431	\$1,077,072	\$0	\$1,090,524	(\$4,613)	(\$4,480)
6	Incremental FY 20	\$0	\$0	\$18,484,445	\$18,218,347	\$17,924,604	\$0	\$0	\$18,484,445	(\$266,098)
7	Incremental FY 21				\$35,965,996	\$35,386,714			\$35,965,996	(\$579,282)
8	Incremental FY 22					\$27,990,532				(\$293,743)
9	TOTAL Plant DIT Provision	\$2,507,039	\$3,651,291	\$21,343,646	\$57,089,598	\$84,252,989	\$27,021,386	\$18,187,846	\$25,887,809	\$40,913,585
10	NOL (Utilization)						\$6,051,855	(\$1,091,119)	\$0	\$0
11	Lesser of NOL or DIT Provision						\$6,051,855	(\$1,091,119)	\$0	\$0

Line Notes:

- 1(b) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 2 of 23, Line 29, Col (e) minus Col (b)
 - 1(f) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 11 of 23, Line 3 plus Line 4
 - 1(g) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 11 of 23, Line 7
 - 1(h) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 11 of 23, Line 50
 - 1(i) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 12 of 23, Line 41
 - 1(j) RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 12 of 23, Line 51
 - 1(k) RIPUC Docket Nos. 4770/4780 third rate year ends at Aug 31, 2021
 - 2 RIPUC Docket Nos. 4770/4780, Compliance, Revised Rebuttal Attachment 1, Schedule 11-GAS, Page 12 of 23, Line 52
- Col (f) = Line 1(b) × 25% + Line 1(f) + Line 1(g) × 7/12; Col (g) = Line 1(g) × 5/12 + Line 1(h) × 7/12 + Line 2(g) × 5/12 + Line 2(h) × 7/12; Col (h) = Line 1(h) × 5/12 + Line 1(i) × 7/12 + Line 2(h) × 5/12 + Line 2(i) × 7/12; Col (i) = Line 1(i) × 5/12 + Line 1(j) × 7/12 + Line 2(i) × 5/12 + Line 2(j) × 7/12;
- 3 (2(h) × 5/12 + Line 2(i) × 7/12; Col (i) = Line 1(i) × 5/12 + Line 1(j) × 7/12 + Line 2(i) × 5/12 + Line 2(j) × 7/12;
 - 4(a)-8(e) Cumulative DIT plus Deferred Income Tax (Page 2, Line 16 + Line 18; Page 5, Line 16; Page 8, Line 16; Page 12, Line 16; Page 15, Line 16)
 - 4(f)-8(j) Year over year change in cumulative DIT shown in Cols (a) through (e)
 - 9 Sum of Lines 3 through 8
 - 10 Col (f)~(g) = Docket no. 4916 FY 20 ISR Rec, Att. MAL-1, p.19, L. 8; Col (h) ~Col (j) Per Tax Department
 - 11 Lesser of Line 9 or Line 10

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)	1/ 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	\$213,499	0.00%	\$0	
2	303.00	Misc. Intangible Plant	\$25,427	\$0	\$25,427	0.00%	\$0	
3	303.01	Misc. Int Cap Software	\$19,833,570	\$0	\$9,991,374	0.00%	\$0	
4								
5		Total Intangible Plant	\$20,072,496	\$0	\$9,991,374		\$0	
6								
Production Plant								
9	304.00	Production Land Land Rights	\$364,912	\$0	\$364,912	0.00%	\$0	
10	305.00	Prod. Structures & Improvements	\$2,693,397	\$0	\$2,693,397	15.05%	\$405,356	
11	307.00	Production Other Power	\$46,159	\$0	\$46,159	7.16%	\$3,305	
12	311.00	Production LNG Equipment	\$3,167,445	\$0	\$3,167,445	11.40%	\$361,089	
13	320.00	Prod. Other Equipment	\$1,106,368	\$0	\$1,106,368	6.69%	\$74,016	
14								
15		Total Production Plant	\$7,378,281	\$0	\$7,378,281		\$843,766	
16								
Storage Plant								
19	360.00	Stor. Land & Land Rights	\$261,151	\$0	\$261,151	0.00%	\$0	
20	361.03	Storage Structures Improvements	\$3,385,049	\$0	\$3,385,049	0.99%	\$33,512	
21	362.04	Storage Gas Holders	\$4,606,338	\$0	\$4,606,338	0.04%	\$1,843	
22	363.00	Stor. Purification Equipment	\$13,891,210	\$0	\$13,891,210	3.37%	\$468,134	
23								
24		Total Storage Plant	\$22,143,748	\$0	\$22,143,748		\$503,488	
25								
Distribution Plant								
28	374.00	Dist. Land & Land Rights	\$956,717	\$0	\$956,717	0.00%	\$0	
29	375.00	Gas Dist Station Structure	\$10,642,632	\$0	\$10,642,632	1.15%	\$122,390	
30	376.00	Distribution Mains	\$46,080,760	\$0	\$46,080,760	3.61%	\$1,663,515	
31	376.03	Dist. River Crossing Main	\$695,165	\$0	\$695,165	3.61%	\$25,095	
32	376.04	Mains - Steel And Other - SI	\$4,190	\$0	\$4,190	0.00%	\$0	
33	376.06	Dist. District Regulator	\$14,213,837	\$0	\$14,213,837	3.61%	\$513,120	
34	376.11	Gas Mains Steel	\$57,759,572	\$0	\$57,759,572	3.31%	\$1,908,954	
35	376.12	Gas Mains Plastic	\$382,797,443	\$0	\$382,797,443	2.70%	\$10,316,391	
36	376.13	Gas Mains Cast Iron	\$5,556,209	\$0	\$5,556,209	8.39%	\$465,888	
37	376.14	Gas Mains Valves	\$222,104	\$0	\$222,104	3.61%	\$8,018	
38	376.15	Propane Lines	\$0	\$0	\$0	3.61%	\$0	
39	376.16	Dist. Cathodic Protect	\$1,569,576	\$0	\$1,569,576	3.61%	\$56,662	
40	376.17	Dist. Joint Seals	\$63,067,055	\$0	\$63,067,055	4.63%	\$2,920,005	
41	377.00	T&D Compressor Sta Equipment	\$248,656	\$0	\$248,656	1.07%	\$2,661	
42	377.62	1/ 5360-Tanks ARO	\$299	(\$299)	\$0	0.00%	\$0	
43	378.10	Gas Measure & Reg Sta Equipment	\$19,586,255	\$0	\$19,586,255	2.08%	\$407,394	
44	378.55	Gas M&Reg Sta Fap RTU	\$372,772	\$0	\$372,772	6.35%	\$23,671	
45	379.00	Dist. Measure, Reg. Gs	\$11,033,164	\$0	\$11,033,164	2.22%	\$244,936	
46	379.01	Dist. Meas. Reg. Gs Eq	\$1,399,586	\$0	\$1,399,586	0.00%	\$0	
47	380.00	Gas Services All Sizes	\$331,205,854	\$0	\$331,205,854	3.05%	\$10,101,779	
48	381.10	Sml Meter& Reg Bare Co	\$26,829,565	\$0	\$26,829,565	1.76%	\$472,200	
49	381.30	Lrg Meter& Reg Bare Co	\$15,779,214	\$0	\$15,779,214	1.76%	\$277,714	
50	381.40	Meters	\$9,332,227	\$0	\$9,332,227	0.96%	\$89,589	
51	382.00	Meter Installations	\$675,201	\$0	\$675,201	3.66%	\$24,712	
52	382.20	Sml Meter& Reg Installation	\$43,145,998	\$0	\$43,145,998	3.66%	\$1,579,144	
53	382.30	Lrg Meter& Reg Installation	\$2,524,025	\$0	\$2,524,025	3.66%	\$92,379	
54	383.00	Dist. House Regulators	\$937,222	\$0	\$937,222	0.67%	\$6,279	
55	384.00	T&D Gas Reg Installs	\$1,216,551	\$0	\$1,216,551	1.56%	\$18,978	
56	385.00	Industrial Measuring And Regulating Station Equipment	\$540,187	\$0	\$540,187	4.18%	\$22,580	
57	385.01	Industrial Measuring And Regulating Station Equipment	\$255,921	\$0	\$255,921	0.00%	\$0	
58	386.00	Other Property On Customer Premises	\$271,765	\$0	\$271,765	0.23%	\$625	
59	386.02	Dist. Consumer Prem Equipment	\$110,131	\$0	\$110,131	0.00%	\$0	
60	387.00	Dist. Other Equipment	\$930,079	\$0	\$930,079	2.15%	\$19,997	
61	388.00	1/ ARO	\$5,736,827	(\$5,736,827)	\$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								
General Plant								
67	389.01	General Plant Land Lan	\$285,357	\$0	\$285,357	0.00%	\$0	
68	390.00	Structures And Improvements	\$7,094,532	\$0	\$7,094,532	3.12%	\$221,349	
69	391.01	Gas Office Furniture & Fixture	\$274,719	\$0	\$274,719	6.67%	\$18,324	
70	394.00	General Plant Tools Shop (Fully Dep)	\$26,487	\$0	\$26,487	0.00%	\$0	
71	394.00	General Plant Tools Shop	\$5,513,613	\$0	\$5,513,613	5.00%	\$275,681	
72	395.00	General Plant Laboratory	\$221,565	\$0	\$221,565	6.67%	\$14,778	
73	397.30	Communication Radio Site Specific	\$387,650	\$0	\$387,650	5.00%	\$19,383	
74	397.42	Communication Equip Tel Site	\$63,481	\$0	\$63,481	20.00%	\$12,696	
75	398.10	Miscellaneous Equipment (Fully Dep)	\$1,341,386	\$0	\$1,341,386	0.00%	\$0	
76	398.10	Miscellaneous Equipment	\$2,789,499	\$0	\$2,789,499	6.67%	\$186,060	
77	399.10	1/ ARO	\$342,146	(\$342,146)	\$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								
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
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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 (b)	ISR Amount (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					
8	Test Year Depreciation Expense 12 Months Ended 06/30/17:				
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 (c)	(\$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	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)	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 No. 5099
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THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC Docket Nos. 4770/4780
Compliance Attachment 2
Schedule 6-GAS
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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

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

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 08/31/19	Sum of Line 15 through Line 19	\$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 08/31/19	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				\$40,954,246
78	FY 2021 Depreciation Expense	5 Months of RY 2 and 7 Months of RY 3			\$40,700,586

The Narragansett Electric Company
d/b/a National Grid
Forecasted FY 2022 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</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2019</u>				
1	Plant In Service	\$1,195,705	\$92,263	\$24,845	\$117,108		(\$6,844)		\$1,305,969				
2	Accumulated Depr	\$414,713				\$40,858	(\$6,844)	(\$6,123)	\$442,604				
3	Net Plant	\$780,992							\$863,364				
4	Property Tax Expense	\$22,678							\$23,283				
5	Effective Prop tax Rate	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</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2020</u>				
6	Plant In Service	\$1,305,969	\$144,120	\$22,074	\$166,193		(\$8,567)		\$1,463,595				
7	Accumulated Depr	\$442,604				\$41,588	(\$8,567)	(\$10,162)	\$465,463				
8	Net Plant	\$863,364							\$998,132				
9	Property Tax Expense	\$23,283							\$25,959				
10	Effective Prop tax Rate	2.70%							2.60%				
		<u>End of FY 2020</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2021</u>				
11	Plant In Service	\$1,463,595	\$179,664	\$24,845	\$204,509		(\$25,032)		\$1,643,072				
12	Accumulated Depr	\$465,463				\$46,666	(\$25,032)	(\$18,948)	\$468,150				
13	Net Plant	\$998,132							\$1,174,923				
14	Property Tax Expense	\$25,959							\$31,685				
15	Effective Prop tax Rate	2.60%							2.70%				
		<u>End of FY 2021</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr</u>	<u>Retirements</u>	<u>COR</u>	<u>End of FY 2022</u>				
16	Plant In Service	\$1,643,072	\$158,912	\$22,074	\$180,985		(\$19,864)		\$1,804,194				
17	Accumulated Depr	\$468,150				\$51,902	(\$19,864)	(\$4,242)	\$495,946				
18	Net Plant	\$1,174,923							\$1,308,248				
19	Property Tax Expense	\$31,685							\$34,014				
20	Effective Prop tax Rate	2.70%							2.60%				
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	
		<u>Cumulative Increm. ISR Prop. Tax for FY2018</u>				<u>Cumulative Increm. ISR Prop. Tax for FY2019 1st 5 month</u>			<u>Cumulative Increm. ISR Prop. Tax for FY2019 7 months</u>				
21	Incremental ISR Additions		\$97,810				\$92,263				(\$914)		
22	Book Depreciation: base allowance on ISR eligible plant		(\$24,356)				(\$24,356)				\$0		
23	Book Depreciation: current year ISR additions		(\$1,246)				(\$1,449)				(\$7)		
24	COR		\$8,603				\$11,583				\$5,627		
25	Net Plant Additions		\$80,811				\$78,041				\$4,705		
26	RY Effective Tax Rate Property Tax Recovery on Growth and non-ISR		3.06%				3.06%			7 mos	2.92%	1.70%	
27	ISR Year Effective Tax Rate		2.90%				2.70%				2.70%		
28	RY Effective Tax Rate		3.06%	-0.15%			3.06%	-0.36%			2.92%	-0.22%	
29	RY Effective Tax Rate 5 mos for FY 2019					5 month	-0.15%				-0.13%	7 mos	
30	RY Net Plant times 5 mo rate	7 months	\$458,057	-0.15%	(\$694)		\$458,057	-0.15%	(\$684)		\$919,892	* -0.13%	(\$1,203)
31	FY 2014 Net Adds times ISR Year Effective Tax rate	7 months	\$6,343	2.90%	\$184		\$5,950	1.12%	\$67				0
32	FY 2015 Net Adds times ISR Year Effective Tax rate	7 months	\$42,913	2.90%	\$1,246		\$39,920	1.12%	\$449				
33	FY 2016 Net Adds times ISR Year Effective Tax rate		\$59,527	2.90%	\$1,729		\$55,693	1.12%	\$626				
34	FY 2017 Net Adds times ISR Year Effective Tax rate		\$58,883	2.90%	\$1,710		\$56,076	1.12%	\$630				
35	FY 2018 Net Adds times ISR Year Effective Tax rate		\$80,810	2.90%	\$2,347		\$77,664	1.12%	\$873	\$6,934	1.57%	\$109	
36	FY 2019 Net Adds times ISR Year Effective Tax rate						\$78,041	1.12%	\$877	\$4,705	1.57%	\$74	
37	Total ISR Property Tax Recovery				\$6,521				\$2,837			(\$1,020)	

The Narragansett Electric Company
d/b/a National Grid
Forecasted FY 2022 ISR Property Tax Recovery Adjustment
Forecasted FY 2022 ISR Property Tax Recovery Adjustment (Continued) 1

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Cumulative Incom. ISR Prop. Tax for FY2020				Cumulative Incom. ISR Prop. Tax for FY2021				Cumulative Incom. ISR Prop. Tax for FY2022		
38	Incremental ISR Additions		\$105,296			\$179,664				\$158,912	
39	Book Depreciation: base allowance on ISR eligible plant		\$0			\$0				(\$23,890)	
40	Book Depreciation: current year ISR additions		(\$1,510)			(\$2,334)				(\$2,088)	
41	COR		\$7,056			\$17,834				\$3,771	
42	Net Plant Additions		\$110,841			\$195,165				\$136,705	
43											
44	RY Effective Tax Rate		2.96%			3.02%				3.05%	
45	ISR Year Effective Tax Rate	2.60%			2.70%				2.60%		
46	RY Effective Tax Rate	2.96%	-0.36%		3.02%	-0.32%			3.05%	-0.45%	
47	RY Effective Tax Rate 7 mos for FY 2019		-0.36%			-0.32%				-0.45%	
48	RY Net Plant times Rate Difference	\$908,586	* -0.36%	(\$3,246)	\$889,353	* -0.32%	(\$2,886)		\$881,383	* -0.45%	(\$3,957)
49	Growth and non-ISR Incremental times rate difference	(\$20,407)	* -0.36%	\$73	(\$41,336)	* -0.32%	\$134		(\$51,615)	* -0.45%	\$232
50	FY 2018 Net Incremental times rate difference	7,156	* 2.6%	\$186	\$7,378	* 2.7%	\$199		\$7,600	* 2.6%	\$198
51	FY 2019 Net Incremental times rate difference	4,692	* 2.6%	\$122	\$4,678	* 2.7%	\$126		\$4,665	* 2.6%	\$121
52	FY 2020 Net Incremental times rate difference	\$110,841	* 2.6%	\$2,882	\$107,821	* 2.7%	\$2,908		\$104,800	* 2.6%	\$2,725
53	FY 2021 Net Adds times rate difference				\$195,165	* 2.7%	\$5,263		\$190,497	* 2.6%	\$4,953
54	FY 2022 Net Adds times rate difference								\$136,705	* 2.6%	\$3,554
55	Total ISR Property Tax Recovery		\$17			\$5,744				\$7,825	

Line Notes

1(a) - 10(h) Docket No. 4916 Attachment MAL-1, Page 17 of 20, 1(a) to 10(h)
11(a) - 15(a) Per Line 6(h) - 10(h)

Line Notes

20(h) Estimated based on FY2020 actual property rate
21(a) - 37(g) Docket No. 4916 Attachment MAL-1, Page 17 of 20, 11(a) to 27(g)

Line Notes

48(g) 48(e) × 47(f)
48(i) =Rate Case, Docket 4770, Compliance, Revised Rebuttal. Att. 1: (Sch 6-G, P2, L51 - L62 + P3, L5(d) - P5, L4(d) - Sch 5-G, P1, L1(e) × 3 + 1000
48(j) =47(j)
48(k) 48(i) × 47(j)
49(e) = Rate Case, Docket 4770, Compliance, Revised Rebuttal. Att. 1: Sch 11-G, P5, L3(h)+L3(i)+L7(h)+L7(i)
49(g) 49(e) × 47(f)
49(i) Revised Rebuttal. Att. 1: Sch 11-G, P5, L3(h)+L3(i)+L7(h)+L7(i)+L3(k)+L7(k)

11(b) Page 5 of 12, Line 1, Col (d) ÷ 1000
11(c) Per Company's Book
11(d) Line 11(b) + Line 11(c)

21(i) - 55(c) Docket No. 4916 Attachment MAL-1, Page 18 of 20, 28(a) to 38(f)
38(f) Page of 12, Line 4(a) ÷ 1000
38(j) Page 2 of 12, Line 4(a) ÷ 1000

11(f) Page 5 of 12, Line 7, Col (d) ÷ 1000

39(f) FY21 depreciation is reflected in the NBV at 48(e)

11(h) Line 11(a) + (d) + (f)

39(j) -(Page 9 of 12, Line 77(c) × 7 ÷ 12) ÷ 1000

12(e) Docket No. 5099, Att. MAL-1, P. 24 =11(f)

40(f) - Page of 12, Line 12(a) ÷ 1000
40(j) - Page 2 of 12, Line 12(a) ÷ 1000
41(f) Page of 12, Line 7(a) ÷ 1000
41(j) Page 2 of 12, Line 7(a) ÷ 1000

12(g) Page 5 of 12, Line 4, Col (d) ÷ 1000
12(h) Line 12(a) + (e) + (f) + (g)

42(f) Sum of Lines 38(f) through 41(f)
42(j) Sum of Lines 38(j) through 41(j)
44(f) =Rate Case, Docket 4770, Compliance, Revised Rebuttal. Att. 1, Sch 1-G, P2, L15, Col (c) ÷

13(h) Line 11(h) - 12(h)
14(h) Per Company's Book
15(h) Line 14(h) ÷ 13(h)

42(i) =Rate Case, Docket 4770, Compliance, Revised Rebuttal. Att. 1, Sch 1-G, P2, L15, Col (c) ÷ =15(h)
45(e) =20(h)
46(e) =44(f)

16(a) - 20(a) Per Line 11(h) ~ 15(h)
16(b) Page 5 of 12, Line 1, Col (e) ÷ 1000
16(c) Estimated based on FY2020 actual non-ISR addition
16(d) Line 16(b) + Line 16(c)
16(f) Page 5 of 12, Line 7, Col (e) ÷ 1000
16(h) Line 16(a) + (d) + (f)

44(j) =Rate Case, Docket 4770, Compliance, Revised Rebuttal. Att. 1, Sch 1-G, P2, L15, Col (c) ÷ =15(h)
45(i) =20(h)
46(e) =44(f)

17(e) Docket No. 5099, Att. MAL-1, P. 24 =16(f)

46(f) 45(e) - 46(e)
46(i) =44(j)
46(j) 45(i) - 46(i)
47(f) =46(f)
47(j) =46(j)

17(f) Page 5 of 12, Line 4, Col (e) ÷ 1000
17(g) Line 17(a) + (e) + (f) + (g)
17(h) Line 16(h) - 17(h)

48(e) =Rate Case, Docket 4770, Compliance, Revised Rebuttal. Att. 1, Sch 6-G: (P2, L30 - L41 + P3, L5(d) - P5, L4(d) - Sch 5-G, P1, L1(e) + L1(g)) × 5 ÷ 12000 + (P2, L51 - L62 + P3, L5(d) - P5, L4(d) - Sch 5-G, P1, L1(e) × 3) × 7 ÷ 12000

19(h) Line 18(h) × 20(h)

53(i) Line 53(e) - Page of 12, Line 12(b) ÷ 1000
54(i) =42(j)
54(k) =54(i) × 45(i)
55(g) sum of 48(g) through 53(g)
55(k) sum of 48(k) through 54(k)

The Narragansett Electric Company
d/b/a National Grid
FY 2022 Revenue Requirement Calculated on FY 2022 Plant in Service of \$163.154 million
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)
	Ratio	Rate	Weighted 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)
	Ratio	Rate	Weighted 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)
	Ratio	Rate	Weighted 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		Line 8(e) × 75% + Line 20(e) × 25%			9.73%
FY19 Blended Rate		Line 20 x 5 ÷ 12 + Line 30 x 7 ÷ 12			8.56%

Certificate of Service

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

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

Joanne M. Scanlon

February 12, 2021
Date

Docket No. 5099- National Grid’s FY 2022 Gas Infrastructure, Safety and Reliability (ISR) Plan - Service List 1/7/2021

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