

September 18, 2020

VIA ELECTRONIC MAIL

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

RE: Docket 4770 – Electric Base Distribution Rates for Rate Year 3 – Compliance Filing <u>Responses to PUC Data Requests – Set 3</u>

Dear Ms. Massaro:

On behalf of National Grid,¹ I enclose an electronic version² of the Company's response to PUC 3-10.

This transmittal completes the Company's responses to the Public Utilities Commission's Third Set of Data Requests issued in the above-referenced matter.

Thank you very much for your time and attention to this matter. If you have any questions, please contact me at 401-784-7288.

Very truly yours,

Rufu Burs Hills

Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4770 Service List Linda George John Bell, Division Al Mancini, Division Leo Wold, Esq. Christy Hetherington, Esq.

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

² Due to the COVID-19 Pandemic emergency period, the Company is providing a PDF version of the abovereferenced transmittal. The Company will provide the PUC with a hard copy and, if needed, additional hard copies at a later date.

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.

<u>September 18, 2</u>020 Date

Joanne M. Scanlon

National Grid Docket No. 4770 (Rate Application) & Docket No. 4780 (PST) Combined Service list updated 7/20/2020

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<u>PUC 3-10</u>

Request:

Referring to Compliance Attachment 1, page 7 of 9, included in the Settlement Agreement that was approved by the Commission in Docket 4770/4780, the referenced page is a schedule which itemizes all of the Grid Mod projects which received funding in the rate case over the three years of the rate plan.

- a. For each project, the total revenue requirement is given, including itemization of the total annual electric revenue requirement for Capex and Opex separately.
- b. Please provide a schedule that reconciles actual annual cost incurrence for each of the projects on the referenced schedule (for Rate Years 1 and 2) against the projected revenue requirement for each project that appeared on the referenced schedule at the time the rate plan was approved by the Commission.
- c. For Rate Year 3, please use the Company's forecast. The response should be provided in a manner that will allow the Commission to easily identify the variance between funding and actual/expected cost incurrence over the three years of the rate plan.
- d. In addition, please show the forecasted revenue requirement (if any) for each project for the rate year following Rate Year 3 (which can be labeled as "Rate Year 4" for reference).

Response:

a-d. Please refer to Attachment PUC 3-10. Attachment PUC 3-10 includes a summary and sub-attachments as indexed below to support the revenue requirements on actual or projected operating expense and capital investment placed into service associated with the program spending provided in the Company's response to Data Request PUC 3-9 by Rate Year, including Rate Year 4.

Please note, as indicated in the Company's response to PUC 3-7, the Company is in the process of quantifying the labor dollars associated with the System Data Portal work. The Company will supplement its response to PUC 3-9 to provide that information to the PUC in advance of the PST Technical Session on September 24, 2020. The Company will also supplement this response at that time to include the revenue requirement on the labor dollars associated with the System Data Portal.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 In Re: Electric and Gas Distribution Rate Filing – Rate Year 3 Responses to the Commission's Third Set of Data Requests Issued on August 31, 2020

Description of Attachment	Attachment Number
Summary of Revenue Requirements	Attachment PUC 3-10-1
AMI Business Case Revenue Requirement RY1-RY4	Attachment PUC 3-10-2
Energy Storage Revenue Requirement RY1-RY4	Attachment PUC 3-10-3
Electric Transportation Revenue Requirement RY1-RY4	Attachment PUC 3-10-4
System Data Portal Revenue Requirement RY1-RY4	Attachment PUC 3-10-5
GIS Enhancment (IS) Revenue Requirement RY1-RY4	Attachment PUC 3-10-6
GIS Enhancment (BR) Revenue Requirement RY1-RY4	Attachment PUC 3-10-7
DSCADA/ADMS Revenue Requirement RY1-RY4	Attachment PUC 3-10-8
RTU Separation Revenue Requirement RY1-RY4	Attachment PUC 3-10-9
Enterprise Service Bus Revenue Requirement RY1-RY4	Attachment PUC 3-10-10
Data Lake Revenue Requirement RY1-RY4	Attachment PUC 3-10-11
PI Historian Revenue Requirement RY1-RY4	Attachment PUC 3-10-12
Advanced Analytics Revenue Requirement RY1-RY4	Attachment PUC 3-10-13
Telecommunications Revenue Requirement RY1-RY4	Attachment PUC 3-10-14
Cybersecurity Revenue Requirement RY1-RY4	Attachment PUC 3-10-15

PUC 3-10, page 2

Power Sector Transformation Initiatives Response to the Commission's Third Set of Data Requests PUC 3-10 Investment Plan Comparison

				17/1			RYJ		Cumulative		RY3		Cumulative		RY4		Cumulative
				K Y I													
G		Year of	Principal A	A other	RY 1	- Poincare A		Contraction CV G	Variance	Posto and A	Deviced	V Varional	Variance through	Post of the second s	Deviced	V Variance	Variance through
LIO	gram	IIIACSHIICH	(a)	(b)	(c)=(a)-(b)	(d)	Actual to Date (e)	_	(g)=(c)+(f)	(h)	(i)	(i)=(h)-(i)	(k)=(g)+(j)	(I)	(m)	(n)=(l)-(m)	(0)=(k)+(n)
AMI Business Case	ess Case																
Investment OPEX	OPEX		\$ 666,667	\$2,007,428 *0	(\$1,340,761)	\$ 666,667	\$245,025	\$421,642 \$60	(\$919,119)	\$ 666,667	\$88,482 \$60	\$578,185	(\$340,934)	\$ 666,667	\$0 80	\$666,667	\$325,733
	CAPEX in Service	Service	0¢	90	\$0 \$0	90	06	80 80	\$0 \$0	0¢	90	\$0 \$0	\$0 \$0	06	06	\$0 80	808
4	1000					1000 0000					807 000	a o a o a o	11 00 01 000		e		
Rev Req	CABEV E	170	\$ 666,667 en	\$2,007,428	(\$1,340,761) en	\$666,667	\$245,025	\$421,642 eo	(\$919,119) en	\$666,667 \$0	\$88,482	\$578,185	(\$340,934) \$0	\$666,667	\$0 \$0	\$666,667 e0	\$325,733
		R11 8Y2	0¢		50 80	90 80		808	50 \$0	08	08	000	90 80	08	90 80	20 80	06 9
		RY3			SO	SO		\$0 80	\$0 \$0	\$0 80	\$0	\$0	\$0	\$0 80	\$0 \$0	\$0 80	S OS
		RY4			\$0	SO		S0	\$0	\$0) }	\$0	\$0	\$0 80	SO	SO	80 80
			\$666,667	\$2,007,428	(\$1,340,761)	\$666,667	\$245,025	\$421,642	(\$919,119)	\$666,667	\$88,482	\$578,185	(\$340,934)	\$666,667	\$0	\$666,667	\$325,733
Energy Storage	rage																
Investment OPEX	OPEX		\$5,000	\$29,226		\$24,000		\$24,000	(\$226)	\$41,250	\$31,024	\$10,226	\$10,000	\$41,250	\$10,000	\$31,250	\$41,250
	CAPEX		\$894,375			\$1,341,563	\$9,158	\$1,332,405	\$2,226,780	\$0	\$1,726,780	(\$1,726,780)	\$500,000	\$0	\$500,000	(\$500,000)	\$0
	CAPEX in Service	Service	\$894,375		\$894,375	\$1,341,563		\$1,341,563	\$2,235,938	\$0	\$410,603	(\$410,603)	\$1,825,335	\$0	\$1,825,335	(\$1,825,335)	80
Rev Req	OPEX		\$5,000	\$25,134	(\$20,134)	\$22,390		\$22,390	\$2,256	\$37,225	\$26,681	\$10,544	\$12,800	\$37,225	\$8,600	\$28,625	\$41,425
	Χ	RYI	\$107,856			\$129,314		\$129,314	\$237,169	\$123,075		\$123,075	\$360,244	\$123,075		\$123,075	\$483,319
		RY2			\$0	\$107,965		\$107,965	\$107,965	\$251,686		\$251,686	\$359,651	\$251,686		\$251,686	\$611,337
		RY3			\$0			\$0	\$0	\$0	\$32,784	(\$32,784)	(\$32,784)	\$0	\$75,795	(\$75,795)	(\$108,580)
	X	RY4	100010	101100		0710200	ç	\$0 \$0	\$0 \$0	\$11 OS	000	\$0 \$10	\$00	\$0 *****	\$145,743	(\$145,743)	(\$145,743
lectric Tra	10tal ansnortation		002,211\$	\$22,134	381,121	\$00,622	90	800,807	\$547,590	3411,980	C04,4C\$	170,7000	016,660%	3411,980	\$250,158	\$181,848	\$881,/28
nvestment	Investment OPEX		\$634,197	\$377,195	\$257,002	\$949,951	\$956,294	(\$6,343)	\$250,659	\$1,635,170	\$992,259	\$642,911	\$893,570	\$1,635,170	\$1,715,230	(\$80,060)	\$813,510
			\$824,748	\$75,204		\$1,419,195	\$1,711,110	(\$291,915)	\$457,629	\$3,262,316	\$2,351,200	\$911,116	\$1,368,745	\$3,262,316	\$3,186,615	\$75,701	\$1,444,446
	CAPEX in S	Service	\$905,232	\$75,204	\$830,028	\$1,620,406	\$1,711,110	(\$90,704)	\$739,324	\$3,785,464	\$2,351,200	\$1,434,264	\$2,173,588	\$3,785,464	\$3,186,615	\$598,849	\$2,772,437
Rev Reg	OPEX		\$626.988	\$377.195	\$249.792	\$915.616	\$956.294	(\$40.678)	\$209.115	\$1.532.019	\$992.259	\$539.760	\$748.874	\$1.532.019	\$1.715.230	(\$183.211)	\$565.663
	CAPEX F	RY1	\$54,312	\$4,150	\$50,162	\$134,091	\$10,358	\$123,733	\$173,895	\$127,561	\$9,784	\$117,777	\$291,672	\$127,561	\$9,345	\$118,216	\$409,888
		RY2			\$0	\$102,044	\$107,269	(\$5,225)	(\$5,225)	\$249,326	\$260,095	(\$10,768)	(\$15,994)	\$249,326	\$244,448	\$4,879	(\$11,115)
	CAPEX F	RY3 DV4			\$0			\$0 80	\$0 \$0	\$242,869	\$143,608	\$99,261 e.o	\$99,261 eo	\$242,869 \$0	\$354,257	(\$111,388)	(\$12,127
		+14	\$681.300	\$381.345	30 \$299.954	\$1.151.751	\$1.073.921	30 \$77.830	3377.784	\$2.151.775	\$1.405.746	\$0 \$746.030	\$0 \$1.123.814	\$2.151.775	\$2.520.672	(\$368.896)	\$754.917 \$754.917
System Data Portal	ia Portal															(
Investment			\$466,667		\$466,667	\$700,000		\$700,000	\$1,166,667	\$700,000		\$700,000	\$1,866,667	\$700,000	\$700,000	\$0	\$1,866,667
	CAPEX		44		\$0 50	4		\$0	\$0 50			\$0	\$0	\$0	4	\$0	80
	CAPEX in S	Service	80		50	80		80	50	80		80	80	80	S 0	80	80
Rev Req	OPEX		\$466,667		\$466,667	\$700,000		\$700,000	\$1,166,667	\$700,000		\$700,000	\$1,866,667	\$700,000	\$700,000	\$0	\$1,866,667
		RY1	\$0		\$0			\$0	\$0			\$0	\$0	\$0		\$0	\$0
		RY2	Ť		SO	T		\$0 \$0	50 50			\$0	\$0 80	\$0		\$0 \$0	S S
		KY3 DV4			%	T		00	\$0 \$0	6 0		20	\$0 \$0	08 8		00	08
	×	RY4	6466 667	ς.	\$00 S	000 0023	¢9	\$0	\$0 \$1 166 667	\$00	0.0	\$00 000	\$1 966 667	\$0	000 000	80 80	L77 770 L0
GIS Enhand	GIS Enhancement (IS)		100,0010	00	100,0010	000,001 \$	00	00050076	100,001,10	@1000000	00	00000010	100,000,10	000,007 \$	0000000	00	00,000,1¢
Investment	OPEX		\$142,333	\$33,789	\$108,544	\$142,333	\$33,872	\$108,461	\$217,005	\$142,333	\$209,985	(\$67,652)	\$149,353	\$142,333	\$160,000	(\$17,667)	\$131,686
	CAPEX		4	4	\$0	4	4	\$0	\$0			\$0	\$0	\$0	4	\$0	\$0
	CAPEX in Service	Service	80	S0	80	80	80	80	\$0	80	\$523,804	(\$523,804)	(\$523,804)	\$0	\$0	80 80	(\$523,804)
Rev Req			\$142,333	\$33,789	\$108,544	\$142,333	\$33,872	\$108,461	\$217,005	\$142,333	\$209,985	(\$67,652)	\$149,353	\$142,333	\$160,000	(\$17,667)	\$131,686
		RYI	\$0		\$0			\$0	\$0			\$0	\$0	\$0		\$0	80
	CAPEX F	RY2 DV2			\$0 \$0			\$0 80	\$0 \$0	03	826 2A6	S0 (056 246)	S0 80	\$0 80	\$108 161	\$0 16100 161)	S0 161 507
		RY4			\$0 \$0			50 S0	\$0 \$0	80 80	040,000	(0+c,0ce) \$0	(\$20,540) \$0	00 80	3100,101	(3108,101)	(3104,501/ \$0
			@147.222	\$22.700	\$108 544	\$142 333	010 010	0100 101									

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-1 Page 1 of 3

Power Sector Transformation Initiatives Response to the Commission's Third Set of Data Requests PUC 3-10 Investment Plan Comparison

				CIVICIO SILINITA			DEAL OF DEAL O				17/1 C/O GHIMIT						
				RYI			RY2		Cumulative		RY3		Cumulative		RY4		Cumulative
Program		Year of Investment	Approved	Actual	RY 1 Variance	Approved	Actual to Date	RY2 Variance	Variance through RY2	Approved	Projected	RY3 Variance	Variance through RY3	Approved	Projected	RY4 Variance	Variance through RY4
			(a)	(q)	(c)=(a)-(b)		(e)		(g)=(c)+(f)	(h)	(i)	(j)=(h)-(i)	(k)=(g)+(j)	(1)	(m)	(m)=(l)=(m)	(o)=(k)+(n)
GIS Enhancement (BR	cement (BR)		¢	001.010	1001010101	000 000 10	000000000	000 1000	012 0000	000 000 10	001 0024	007.007.0	0110000	000 000 10	000 0000	000 0000	
Investment	OPEX		80	\$43,182	(\$43,182)	\$1,028,000	\$646,278	\$381,722	\$338,540	\$1,028,000	\$538,400	\$489,600	\$828,140	\$1,028,000	\$200,000	\$828,000	\$1,656,140
	CAFEA		¢	¢	00	¢	¢	90 0	00	¢	¢.	00	00	00	¢.	00	06
	CAPEX IN Service	ervice	80	\$0	20	\$0	\$0	20	50	80	\$0	\$0	20	\$0	50	\$0	
Rev Ren	OPEX		0\$	\$43.182	(\$43.182)	\$1.028.000	\$646.278	\$381 722	\$338 540	\$1.028.000	\$538 400	\$489,600	\$828.140	\$1.028.000	\$200.000	\$828.000	\$1 656 140
	X	RYI	\$0	1	S0	000000000		SO	80	0000000000	00- (0 mm)	\$0	\$0	80	00000	\$0	80 80
		RY2	ł		\$0			SO	SO			\$0	SO	SO		\$0	8
		RY3			\$0			SO	\$0 80	\$0	\$0	\$0	\$0	\$0	\$0	\$0	8
	CAPEX R	RY4			\$0			\$0	\$0	\$0		\$0	\$0	\$0		\$0	\$0
			\$0	\$43,182	(\$43,182)	\$1,028,000	\$646,278	\$381,722	\$338,540	\$1,028,000	\$538,400	\$489,600	\$828,140	\$1,028,000	\$200,000	\$828,000	\$1,656,140
DSCADA/ADMS	VDMS																
Investment OPEX	OPEX		\$0	\$62,171	(\$62,171)	\$436,000	\$404,650	\$31,350	(\$30,821)	\$0	\$972,035	(\$972,035)	(\$1,002,856)	\$0	\$1,143,000	(\$1,143,000)	(\$2,145,856)
	CAPEX				\$0			\$0	\$0			\$0	\$0	\$0		\$0	80
	Е.	Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,848,318	(\$3,848,318)	(\$3,848,318
Rev Req	OPEX		\$0	\$62,171	(\$62,171)	\$436,000	\$404,650	\$31,350	(\$30,821)	\$0	\$972,035	(\$972,035)	(\$1,002,856)	\$0	\$1,143,000	(\$1,143,000)	(\$2,145,856
	х	RYI	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	80
	CAPEX R	RY2			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		RY3			\$0			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CAPEX R	RY4			\$0			\$0	\$0					\$0	\$210,977	(\$210,977)	(\$210,977
	Total		\$0	\$62,171	(\$62,171)	\$436,000	\$404,650	\$31,350	(\$30,821)	\$0	\$972,035	(\$972,035)	(\$1,002,856)	\$0	\$1,353,977	(\$1,353,977)	(\$2,356,833
RTU Separation	ution																
Investment			\$ 0	\$0	\$0	\$60,000	\$41,804	\$18,196	\$18,196	\$60,000	\$60,000	\$0	\$18,196	\$60,000	\$60,000	\$0	\$18,196
	CAPEX		\$570,000	\$0	\$570,000	\$950,000	\$0	\$950,000	\$1,520,000	\$190,000	\$150,000	\$40,000	\$1,560,000	\$190,000	\$265,000	(\$75,000)	\$1,485,000
	CAPEX in Service	ervice			\$ 0			\$0	\$0			\$0	\$0		\$483,491	(\$483,491)	(\$483,491
			44	9	a e	0000000			2010	000 000	0000000	0.0			000 000	đ	
kev keq			\$0	50	\$ 0	\$60,000	\$41,804	\$18,196	\$18,196	\$60,000	\$60,000	20	\$18,196	\$60,000	\$60,000 00	\$0 \$	\$18,196
		RYI	\$0		\$0 80	\$15,657		\$15,657	\$15,651	\$/4,228	\$0 \$	\$/4,228	\$149,865	\$74,228	\$0	\$/4,228	\$224,093
		KY2			\$0	348,510		\$48,510	010,848	\$120,062	\$0 \$	\$120,002	51/4,5/2	\$120,062	<u>\$0</u>	\$120,002	\$500,654
		KY3			30	90 90		90 9	30	\$9,/02	30	\$9,102	\$9,/02	\$9,702	50	\$9,/07	519,404
	×	ξ γ4	¢	¢	\$0 80	\$0 \$		\$0 \$	\$0	\$0 ****	000000	\$0 \$0	\$0 \$0	80	\$26,507	(\$26,507)	(\$26,50
	Iotal		80	20	\$0	\$184,147	\$41,804	\$142,343	\$142,343	\$269,992	\$60,000	\$209,992	\$552,555	\$269,992	\$86,507	\$183,485	\$255,820
suterprise 5	Enterprise Services Bus		¢.	4	¢.	0100.011	100-010	010 0000	070 000	110 1000	1000	000,000	010 0000	10101010	000 1000	0110 011	
Investment OPEA	OPEA		00	50	00 S	\$402,546	\$105,286	090'/67\$	090,1828	\$504,066	\$28,000 #0	\$4 /6,000	\$7/5,060	\$504,066	\$555,000 60	\$169,006	\$942,126
	CAPEX	-	20	\$0	20	20	30	20	20	\$4,022,163	30	\$4,022,165	\$4,022,165	\$4,022,165	50	\$4,022,165	\$8,044,320
	CAPEX in Service	ervice			\$0	Ť		\$0	\$0			S0	\$0	\$0	\$564,109	(\$564, 109)	(\$564,109
Day Dag	ODEV		¢0	CD.	¢.0	5400 346	2105 206	0902060	090 2003	8504 D66	220 063	000 9273	6773 060	5504 066	\$335 000	\$160.066	901 0103
INCV INC	>	17	00	20	00	0+05,20+0 ©D	007,0010	000,1720	000,1720	en.	940,000	000007±0	000,0110	000,4000	000,000	000,201¢	0247, 120 CO
		RT I	0¢		000	005		00	00	00		00	0.05	00 80		90 80	
	CADEV D	DV3			00	20		00	06	CO 210	03	200	00 6/36 277	00 6426 277	60	\$436 P77	00
		RV4			05			0°	00	170'00:40	0¢	07000040 80	170°00+0	120,0000	\$60.682	(\$60.687)	1860.687
			08	80	05	\$402.346	\$105.286	\$297.060	\$297.060	\$940.893	\$28.066	\$912.827	\$1 209 887	\$940.893	\$395.682	(300,002) \$545 211	\$1,755,098
Data Lake			2	0.0	5	-									Lookacat	-	
	OPEX		\$0	\$0	\$0	\$388,092	\$0	\$388,092	\$388,092	\$545,532	\$0	\$545,532	\$933,624	\$545,532	\$0	\$545,532	\$1,479,156
	CAPEX		\$226,765	\$0	\$226,765	\$0	\$0	\$0	\$226,765	\$0	\$0	\$0	\$226,765	\$0	\$0	\$0	\$226,765
	CAPEX in Service	ervice			\$0			\$0	\$0			\$0	\$0	\$0		\$0	\$0
Rev Red	OPEX	+	0\$		\$U	\$388.007		\$388.007	\$388.002	6545 523		6545522	6033 674	6545 533		6545 532	\$1 479 156
	X	RYI	0\$		05	\$46.245		\$46.245	\$46 245	\$42,925		\$42.925	\$89.170	\$42.925		\$42,925	\$132.095
		RY2	***		so	\$0 \$0		\$0 \$0	\$0	\$0		S0	\$0	\$0 \$0		\$0 \$0	\$0 80
		RY3			\$0	ž		\$0 \$	\$0 \$0	\$0		\$0 \$0	\$0 \$	\$0		\$0 \$0	80
		RY4	ŀ		\$0	t		\$0 80	0\$	0.0	Ī	ł	, ;	¢.		1	
									20	D¢		00	80	80		\$0	

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-1 Page 2 of 3

Power Sector Transformation Initiatives Response to the Commission's Third Set of Data Requests PUC 3-10 Invocrement Plan Communican

	Annroved	(1)		\$515,000	\$0	80	\$515,000	\$21,390	\$0	\$0	\$0	065,056\$	\$338.852	\$609.026	\$651,192		\$338,852	\$198,970	\$66,143	\$0	\$990,044	8876386	\$38,982	\$27,060	\$616 926	\$14.717	\$8,121	\$4,222	\$0	\$663,946	\$623.280	\$826,073	\$835,826	\$623.780	\$485,420	\$260,691	\$89,716	\$0	\$1,459,107	\$10 540 500
Cumulative	Variance through RY3	(k)=(g)+(i)		\$1,017,830	\$113,000	\$0	\$1,017,830	\$44,434	\$0	\$0	\$0 ** 200 201	\$1,062,264	\$455 386	\$3.606.695	\$786,956		\$455,386	\$302,407	\$24,878	\$0	\$1,584,688	\$471 308	\$155,604	(\$550,704)	\$471.308	\$30.572	\$12,343	(\$60,085)	\$0	\$454,228	\$810.901	\$4,638,316	\$1,494,310	\$810.901	\$1,008.381	\$396,214	\$89,716	\$0	\$2,305,212	611 750 157
	RY3 Variance	(i)=(h)-(i)		\$502,830	\$0	80	\$502,830	\$21,390	\$0	\$0	\$0	\$524,220	\$266.486	\$609.026	\$267,582		\$266,486 \$386.079	\$198,970	\$24,878	\$0	\$876,413	\$381.750	\$38,982	(\$570,781)	\$381.750	\$14.717	\$8,121	(\$60,085)	\$0	\$344,503	\$279.496	\$826,073	\$835,826	\$279.496	\$485,420	\$260,691	\$89,716	\$0	\$1,115,323	\$£ 347 037
Ending 8/31/21 RY3	Projected	()	2	\$12,170	\$0		\$12,170				() () () () ()	\$12,170	\$72 366	\$0	\$383,610		\$72,366		\$41,265		\$113,631	8755 13K	\$0	\$597,841	\$755 13K	001,0070		\$64,307		\$319,443	\$343.784	\$0		8243 784	10162-00				\$343,784	\$4 JUT 552
н	Amroved	(ll)		\$515,000	\$0		\$515,000	\$21,390	\$0	<u>\$0</u>	\$0	065,0508	\$338 852	\$609.026	\$651,192		\$338,852	\$198,970	\$66,143	\$0	\$990,044	6636 886	\$38,982	\$27,060	¢636 986	\$14.717	\$8,121	\$4,222	\$0	\$663,946	\$623.280	\$826,073	\$835,826	080 2098	\$485,420	\$260,691	\$89,716	\$0	\$1,459,107	\$10 540 500
Cumulative	Variance through RY2	(g)=(c)+(f)		\$515,000	\$113,000	80	\$515,000	\$23,044	\$0	\$0	\$0 ****	\$538,044	\$188.900	\$2.997.669	\$519,374		\$188,900	\$103,437	\$0	\$0	\$708,275	\$80,648	\$116,622	\$20,077	860 648	\$15.855	\$4,222	\$0	\$0	\$109,725	\$531.405	\$3,812,244	\$658,484	\$531.405	\$522.961	\$135,523	\$0	\$0	\$1,189,889	\$4.017.110
	R Y2 Variance			\$515,000	\$0	80	\$515,000	\$23,044	\$0	\$0	\$0	\$538,044	\$188.900	\$952.413	\$519,374		\$188,900	\$103,437	\$0	\$0	\$708,275	\$07,673	\$38.874	\$20,077	\$07,673	\$15.855	\$4,222	\$0	\$0	\$117,750	\$532.101	\$1,247,855	\$658,484	\$532 101	\$522.961	\$135,523	\$0	\$0	\$1,190,585	\$5 400 0K7
Ending 8/31/20 RY2	Actual to Date			\$0	\$0						4	20	\$111.078	\$0			\$111,078				\$111,078	072 240	80	0 2	\$277 240	1-01-1-00				\$327,349	\$269.999	\$0		000 0928	11150m				\$269,999	\$3 750 767
	Approved	(þ)		\$515,000	\$0		\$515,000	\$23,044	\$0		110 0010	\$538,044	\$700.078	\$952.413	\$519,374		\$299,978	\$103,437			\$819,353	CCU 2CP3	\$38.874	\$20,077	CU35 000	\$15.855	\$4,222			\$445,099	\$802.100	\$1,247,855	\$658,484	\$802 100	\$522.961	\$135,523			\$1,460,584	065 689 63
	RY 1 Variance	(c)=(a)-(b)		\$0	\$113,000	S0	\$0	\$0	\$0	\$0	\$0	\$0	08	\$2.045.256	\$0	1	\$0 \$0	\$0	\$0	\$0	\$0	(\$8.025)	\$77.748	\$0	168 0351	(20°02)	\$0	\$0	\$0	(\$8,025)	(\$696)	\$2,564,388	\$0	(\$696)	\$0 80	\$0	\$0	\$0	(\$696)	10101010101
Ending 8/31/19 RY1	Actual	(q)		\$0	\$0						¢	\$0	05	\$0							\$0	\$8 M5	80	2	¢8 075	070,00				\$8,025	\$696	\$0		9698					\$696	02213363
	Annroved	(a)		\$0	\$113,000		\$0	\$0			< E	\$0	08	\$2.045.256			80 80	2 2			\$0	03	\$77.748	0	03	80	t			\$0	S0	\$2,564,388		0\$	\$0				\$0	en 060 enn
	Year of Investment					n Service		RYI	RY2	RY3	RY4				n Service		RVI	RY2	RY3	RY4				n Service		RYI	RY2	RY3	RY4				in Service		RYI	RY2	RY3	RY4		
	Ргодгаш	0	PI Historian	Investment OPEX	CAPEX	CAPEX in	Rev Red OPEX	CAPEX	CAPEX	CAPEX	CAPEX	I otal	Investment OPEX		CAPEX ii		Rev Req OPEX CAPEX	CAPEX	CAPEX	CAPEX	Total	Felecommunications		CAPEX in Service	Bay Bad ODEY	1VVV	CAPEX	CAPEX	CAPEX	Total	Cybersecurity Investment OPEX		CAPEX i	Rev Red OPEX		CAPEX	CAPEX	CAPEX	Total	Gmud Total

\$489,238 1,188,096

\$305,000 \$79,212

,809 \$2,190,520

\$11

\$33,852 \$386,079 \$198,970 (\$13,069) \$0 \$05,832

2222

\$10,000 \$21,390 \$0 \$0 \$0 \$31,390

\$1,027,830

\$505,000

\$93

Variance throug

RY4

RY4 Variance

Projected (m)

(o)=(k)+(n)

(n)=(l)-(m) Ś

000 \$0

\$505,000 \$0

Cumulative

Ending 8/31. RY4 \$489,238 721

\$4,215, \$1,438,

\$33,852 \$609,026 \$651,192

\$305,000 \$0

\$1,093,654

\$505,000

4 Grand Total	\$2,069,822	\$2,561,770	(\$491,948)	\$8,668,329	\$3,259,262	\$5,409,067	\$4,917,119	\$10,549,590	\$4,207,553	\$6,342,037	\$11,259,157	\$10,549,590	\$7,307,791	\$3,241,799	\$14,500,955
NOTE:															
Grid Mod investments benefitting mu	ultiple jurisdictior	s are Service C	Company investment	is and will impact	future revenue re	requirements as rei	nt expense.								

\$179,432 \$179,432 \$3,614,319

\$473,280 \$485,420 \$260,691 \$89,716 \$89,716 \$1,309,107

\$150,000

\$1,284,181 \$1,493,801

\$150,000

\$1,284,181 \$5,464,389 \$2,330,137

\$473,280 \$826,073 \$835,826

\$604,731

\$150,503

\$513,443 \$150,000 \$0

\$45,289 \$20,464 (\$179,306)

\$246,886 \$14,717 \$8,121 (\$119,221) \$0

\$718,284

\$390,000 \$123,443

\$194,586 (\$523,643)

\$246,886 \$38,982 \$27,060

\$390,000 \$0

\$384,212

Line Notes: 10 Docket No. 4770 RY3 C., Attachment PUC 3-10.2, Page 1 21 Docket No. 4770 RY3 C., Attachment PUC 3-10.3, Page 1 23 Docket No. 4770 RY3 C., Attachment PUC 3-10.4, Page 1 33-41 To be upduted be the Company's response of PUC 3-7 43 Docket No. 4770 RY3 C., Attachment PUC 3-10.6, Page 1 64 Docket No. 4770 RY3 C., Attachment PUC 3-10.6, Page 1 65 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 76 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77 Docket No. 4770 RY3 C., Attachment PUC 3-10.7, Page 1 77

87 Docket No. 4770 RY3 C., Attachment PUC 3-10-9, Page 1 Docket No. 4770 RY3 C., Attachment PUC 3-10-10, Page 1 109 Docket No. 4770 RY3 C., Attachment PUC 3-10-11, Page 1 120 Docket No. 4770 RY3 C., Attachment PUC 3-10-12, Page 1 130 Docket No. 4770 RY3 C., Attachment PUC 3-10-13, Page 1 141 Docket No. 4770 RY3 C., Attachment PUC 3-10-14, Page 1 153 Docket No. 4770 RY3 C., Attachment PUC 3-10-15, Page 1 153 Docket No. 4770 RY3 C., Attachment PUC 3-10-15, Page 1 153 Docket No. 4770 RY3 C., Attachment PUC 3-10-15, Page 1

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-1 Page 3 of 3

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-2 Page 1 of 1

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Grid Mod Synergy - AMI Business Case Rate Year Annual Revenue Requirement Summary

Line <u>No.</u>			R	ate Year 1 (a)	Rate Year 2 (b)	Rate Year 3 (c)	Rate Year 4 (d)
	Operation and Maintenance (O&M) Expenses:						
1	AMI Business Case		\$	2,007,428	\$245,025	\$88,482	\$0
2	Total O&M costs	Sum of Line 1	\$	2,007,428	\$245,025	\$88,482	\$0
3	Total Revenue Requirement		\$	2,007,428	\$245,025	\$88,482	\$0

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Energy Storage Initiative Annual Revenue Requirement Summary

Line <u>No.</u>			Rate Year Ending <u>August 31, 2019</u> (a)	Rate Year Ending <u>August 31, 2020</u> (b)	Rate Year Ending <u>August 31, 2021</u> (c)	Rate Year Ending <u>August 31, 2022</u> (d)
	Operation and Maintenance (O&M) Expenses:		(-)	(-)	()	(-)
1	Operation & Maintenance Expense		\$29,226	\$0	\$31,024	\$10,000
2	Operation & Maintenance Expense		\$0	\$0		
3	Total O&M costs	Sum of Lines 1 through 2	\$29,226	\$0	\$31,024	\$10,000
4	Less Research & Development Tax Incentive applicable to O&M costs	14% of Line 1	(\$4,092)	\$0	(\$4,343)	(\$1,400)
5	Total O&M Costs Net of R&D Tax Incentives	Line 3 + Line 4	\$25,134	\$0	\$26,681	\$8,600
	Capital Investment:					
6	Actual Revenue Requirement on Rate Year 1 Capital investment		\$0	\$0	\$0	\$0
7	Actual Revenue Requirement on Rate Year 2 Capital investment			\$0	\$0	\$0
8	Estimated Revenue Requirement on Rate Year 3 Capital investment				\$32,784	\$75,795
9	Estimated Revenue Requirement on Rate Year 4 Capital investment					\$145,743
10	Total Capital Investment Component of Revenue Requirement	Sum of Lines 6 through 8	\$0	\$0	\$32,784	\$221,538
11	Total Revenue Requirement	Line 5 + Line 10	\$25,134	\$0	\$59,465	\$230,138

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Revenue Requirement on Estimated Chila Investment 12 months ending August 31, 2019 Energy Storage

		Energy Storage				
Line <u>No.</u>			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
			(a)	(b)	(c)	(c)
	Estimated Capital Investment					
1	F. 0.		<u></u>	60	<u></u>	<u></u>
2	Energy Storage	Sum of Line 1	<u>\$0</u> \$0	\$0 \$0	\$0 \$0	<u>\$0</u> \$0
2	Total Estimated Capital Investment	Sum of Line 1	\$0	50	50	50
	Depreciable Net Capital Included in Rate Base					
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0	\$0
4	Retirements	Line 3 * 0%	\$0	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base					
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
		2.110.2				
7	Cost of Removal		\$0	\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 5 + Line 7	\$0	\$0	\$0	\$0
0	Total Act Flant in Service including Cost of Removal	Line 5 + Line /	30	30	30	<i>40</i>
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	2020 Spend	Page 3 of 13, Line 21	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Previous Year Line 11 + Current Year Line 10	\$0	\$0	\$0	\$0
	Book Depreciation					
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	8.33%	8.33%	8.33%	8.33%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50% ; Column (b and c) = Line 5 * Line 12	\$0	\$0	\$0	\$0
14	Cumulative Book Depreciation	Previous Year Line 14 + Current Year Line 13	\$0	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	Less: FY 2020 Federal NOL		\$0	\$0	\$0	\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0	\$0
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
21	Accumulated Depreciation	- Line 15	\$0 \$0	\$0	\$0 \$0	\$0 \$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0	\$0
	Revenue Requirement Calculation:					
		Column (a) = Current Year Line 25 ÷ 2; Column (b & c) = (Prior Year Line				
25	Average Rate Base before Deferred Tax Proration Adjustment	25 + Current Year Line 25) ÷ 2	\$0	\$0	\$0	\$0
26	Proration Adjustment	Page 4 of 13, Line 41, Col (j) through Col. (k)	\$0	\$0	\$0	\$0
27 28	Average Rate Base after Deferred Tax Proration Pre-Tax ROR	Line 25 + Line 26	\$0 / 8.23%	\$0 8.23%	\$0 8.23%	\$0 8.23%
28 29	Pre-1ax KOK Return and Taxes	Line 27 * Line 28	× 8.23%	8.23% \$0	8.23% \$0	<u>8.23%</u> \$0
29 30	Book Depreciation	Line 27 × Line 28 Line 13	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
31	Property Taxes	Tax Rate 3.176% per Dkt 4770 Sch -7 - Columns (b & c) Line 8 * 3.176%	\$0	\$0	\$0	\$0
32	Annual Revenue Requirement	Line 29 + Line 30 + Line 31	\$0	\$0	\$0	\$0
52	Annual Revenue Requirement	Line 29 + Line 30 + Line 31	50	50	50	50

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docke	et No. 47/0, Schedule MAL-1-ELEC				
	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2019 Capital Investments Energy Storage

Line <u>No.</u>			Rate Year Ending August 31, 2019 (a)	Rate Year Ending August 31, 2020 (b)	Rate Year Ending August 31, 2021 (c)	Rate Year Ending August 31, 2022 (c)
	Capital Repairs Deduction					
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 0%	0.00%			
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%			
11	Total Bonus Depreciation Rate	Line $9 + Line 10$	0.00%			
12	Bonus Depreciation	Line 8 * Line 11	\$0			
	Remaining Tax Depreciation					
13	Plant Additions	Line 1	\$0			
14	Less Capital Repairs Deduction	Line 3	\$0			
15	Less Bonus Depreciation	Line 12	\$0			
16	Remaining Plant Additions Subject to 5 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0	\$0
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.00%	32.00%	19.20%	11.52%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	FY20 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$0	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-3 Page 4 of 13

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2019 Net Deferred Tax Reserve Proration Energy Storage

Line No.	Deferred Tax Subject to Proration			(a) RY19	(b) RY20	(c) RY21	(c) RY22
1	Deale Danassisting	Daga 15 -625 I.	~ 12 Col(c) and Col(b)	03	0.0	60	60
1 2	Book Depreciation Bonus Depreciation		ne 12 ,Col (a) and Col (b) 25 , Line 12 ,Col (a)	\$0 \$0	\$0	\$0	\$0
3	Remaining MACRS Tax Depreciation	- Page 1	5 of 25 , Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements		25, Line 19, Col (a)	\$0	\$0	\$0	\$0
5	Cumulative Book / Tax Timer		ines 1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%	21%
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		25 , Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of	25 , Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 +	Line 9 + Line 10	\$0			
12 13	Effective Tax Rate Deferred Tax Reserve	Lina	11 × Line 12	21% \$0			
15	Deferred Tax Reserve	Line	11 × Line 12	50			
14	Total Deferred Tax Reserve		7 + Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		25 , Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line	14 + Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0			
19	Total Cumulative Book/Tax Timer	Line	17 + Line 18	\$0			
20	Total FY 2022 Federal NOL		, Line 17 ,Col (a)÷21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration		Line 19) × Line 20				
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ I	Line 19) × Line 20	210/			
23 24	Effective Tax Rate	T .	22 × Line 23	21% \$0			
24	Deferred Tax Benefit subject to proration	Line	22 × Line 25	20			
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	\$0	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(k)	(k)
		Number of Days i					
	Proration Calculation	Month	Proration Percentage	RY19	RY20	RY21	RY22
26	September October	30 31	91.78% 83.29%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
27 28	November	31	83.29% 75.07%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
28	December	31	66.58%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
30	January	31	58.08%	\$0 \$0	\$0	\$0 \$0	\$0 \$0
31	February	28	50.41%	\$0	\$0	\$0	\$0
32	March	31	41.92%	\$0	\$0	\$0	\$0
33	April	30	33.70%	\$0	\$0	\$0	\$0
34	May	31	25.21%	\$0	\$0	\$0	\$0
35	June	30	16.99%	\$0	\$0	\$0	\$0
36	July	31	8.49%	\$0	\$0	\$0	\$0
37 38	August Total	31 365	0.00%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
56	10(a)	303		20	20	20	20
39	Deferred Tax Without Proration	-	Line 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration	т.	the 39×0.5	¢0	\$0	e0.	e0.
41	Proration Adjustment		ie 39 × 0.5 38 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
71	roration regustition	Line	50 Eme 1 0	50	30	90	

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 Power Sector Transformation (PST) Revenue Requirement on Estimated Capital Investment 12 months ending August 31, 2020 Energy Storage

No. $August 11, 2000 \\ 0.000000000000000000000000000000$						
Note the second of the				August 31, 2020	August 31, 2021	Rate Year Ending August 31, 2022
2 Teal Capital Investment Sum of Line 1 50 50 Descriptible Mc Capital Included in Rate Base Line 2 50 50 Total Allowed Capital Included in Rate Base Line 3 * 0% 50 50 Soft Capital Included in Rate Base Column (a) = Line 3 - Line 4. Column (b) = Prior Year Line 5 50 50 Change in Net Capital Included in Rate Base Line 2 50 50 Cotor of Removal 50 50 50 Text Allowed Instances Sine 5 + Line 7 50 50 Vizings Vest Tax Depreciation: 30 50 50 Vizings Vest Tax Depreciation: 9 Vizings Vest Tax Depreciation: 50 50 Compatitie Robot Depreciation Prior Year Line 1 + Current Year Line 1 3 50 50 Desch Depreciation Column (a) = Line 5 + Line 1 2 50 50 Compatitie Robot Depreciation Column (a) = Line 5 + Line 1 2 50 50 Desch Depreciation Column (a) = Line 5 + Line 1 2 50 50 Compatitie Robot Depreciation Line 5 + Line 1 2 50	Estimate	ed Capital Investment		(a)	(b)	(c)
Depresented Next Quint Included in Rate BaseLine 2S0S01 Total Allowed Capital Included in Rate BaseColumn (a) = Line 3* 0%S0S02 Capital Included in Rate BaseColumn (a) = Line 3* 0%S0S02 Capital Included in Rate BaseLine 2S0S02 Capital Included in Rate BaseLine 2S0S07 Cost of RemovalS0S0S07 Uninger Vera Line 3S0S07 Uninger Vera Line 3S0S07 Uninger Vera Line 1S0S09 Verate Vera Tab DepreciationS0S09 Verate Vera Tab DepreciationPage 6 of 13, Line 21S09 Verate Vera Tab DepreciationPage 6 of 13, Line 21S09 Osion DepreciationPage 6 of 14, Line 5* Line 12S010 Commutative Book DepreciationPage 6 of 13, Line 21S010 Commutative Book DepreciationColumn (a) = Line 5* Line 12S010 Commutative Book DepreciationColumn (a) = Line 5* Line 12S010 Commutative Book DepreciationLine 14 + Cureent Vera Line 13S011 Commutative Book DepreciationLine 14S0S012 Commutative Book DepreciationLine 14 - Line 15S0S013 Doit DepreciationLine 14S0S014 Commutative Book DepreciationLine 16 * Line 17S0S015 Total Commutative Book DepreciationLine 16 * Line 17S0S016 Commutative Book DepreciationLine 16 * Line 17S0S017	1 Ener	rgy Storage		\$0		
Interact Allowed Capital Included in Rate Base in Current Year Line 2 S0 S0 Not Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4. Column (b) = Prior Year Line 5 S0 S0 Comparing Line Capital Included in Rate Base Column (a) = Line 3 - Line 4. Column (b) = Prior Year Line 5 S0 S0 Comparing Line Capital Included in Rate Base Line 2 S0 S0 Control Medical in Rate Base Line 2 S0 S0 Text Depreciation S0 S0 S0 Minge Veri Tax Depreciation Prior Year Line 11 + Current Year Line 12 S0 S0 Deb/Depreciation Prior Year Line 14 + Current Year Line 13 S0 S0 Book Depreciation Columative First Depreciation S0 S0 Comparing Book Depreciation Columa (P Year Line 14 + Current Year Line 13 S0 S0 Book Depreciation Columa (P Year Line 14 + Current Year Line 13 S0 S0 Comparing Book Depreciation Columa (P Year Line 14 + Current Year Line 13 S0 S0 Deferrent Tax Camulative Book Depreciation Line 14 + Current Year Line 13 S0 <t< td=""><td></td><td></td><td>Sum of Line 1</td><td>\$0</td><td>\$0</td><td>\$</td></t<>			Sum of Line 1	\$0	\$0	\$
Keitreners Line 3* 0% S0 S0 Note Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4, Column (b) = Prior Year Line 5 S0 S0 Change in AcCapital Included in Rate Base Line 2 S0 S0 Cost of Removal S0 S0 S0 Text Depreciation S0 S0 S0 Vintage Varia To Expreciation: S0 S0 S0 Composite Root Copital Included in Rate Base Line 2 + Line 7 S0 S0 Text Depreciation Page 6 of 13, Line 21 S0 S0 Vintage Varia To Expreciation Page 6 of 13, Line 21 S0 S0 Composite Root Depreciation As fied per RLIPUIC. Docket No. 4770 S33% S33% Book Depreciation Column (a) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + S0% ; Column (b) = Line 5 + Line 12 + Line 13 + Line 13 + Line 15 + Line 13 + Line 13 + Line 10	Deprecia	able Net Capital Included in Rate Base				
5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4; Column (b) = Prior Year Line 5 50 50 Change in Net Capital Included in Rate Base Line 2 50 50 50 Capital Included in Rate Base Line 2 50 50 50 Cost of Removal 50 50 50 50 Tax Depreciation 50 50 50 50 Virtage Veri Tax Depreciation: 0 201 Spend Page 6 of 13, Line 21 50 50 50 Composite Rook Depreciation Prior Year Line 1 + Current Year Line 10 50 50 50 Deace Depreciation Composite Rook Depreciation A stied per R.I.P.U.C. Decket No. 4770 5.33% 6.33% Composite Rook Depreciation Column (a) = Line 5* Line 12* So 50 50 Composite Rook Depreciation Line 14 50 50 Composite Rook Depreciation Line 14 50 50 Composite Rook Depreciation Line 14 50 50 Composite Rook Depreciation Line 15 50 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>\$</td></t<>						\$
Change in Verticial Included in Rate Base Line 2 50 50 Control Rear Net Capital Included in Rate Base Line 2 50 50 Tot Ord Flemoval 50 50 50 Tot Depreciation 100 S + Line 7 50 50 Tot Depreciation 100 S + Line 7 50 50 Viring Var Tab Depreciation: 201 Spend 50 50 Composite Book Depreciation Prof Vers Line 11 - Current Year Line 10 50 50 Book Depreciation As field pr R I.P.U.C. Docket No. 4770 8.33% 8.33% Commain We Book Depreciation Column (a) = Line 5 + Line 12 - 50% 50 50 Deformed Taxe Calculation: Column (a) = Line 5 + Line 12 - 50% 50 50 Commaintve Book Depreciation Line 14 - Current Year Line 13 50 50 Commaintve Book Depreciation Line 14 - Current Year Line 13 50 50 Commaintve Book Depreciation Line 14 - Current Year Line 13 50 50 Commaintve Book Depreciation Line 14 - Current Year Line 13 50 50						\$
5 Capital Included in Rate Base: Line 2 50 50 Total Net Plant in Service Including Cost of Removal Line 5 + Line 7 50 50 Total Net Plant in Service Including Cost of Removal Line 5 + Line 7 50 50 Total Net Plant in Service Including Cost of Removal Line 5 + Line 7 50 50 Total Net Plant in Service Including Cost of Removal Page 6 of 13, Line 21 50 50 202) Spend Page 6 of 13, Line 21 50 50 202 Spend Prior Year Line 14 + Current Year Line 10 50 50 20 Composite Book Depreciation Column (0 + Line 5 + Line 1 - 50' (100m) (0 + Line 5 + Line 1 - 50' (100m) (0 + Line 5 + Line 1 - 50' (100m) (0 + Line 5 + Line 1 - 50' (100m) (0 + Line 1 - 50' (100m) (100m) (0 + Line 1 - 50' (100m) (100m) (0 + Line 1 - 50' (100m) (100m) (100m) (0 + Line 1 - 50' (100m) (100	5 Net	Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b) = Prior Year Line 5	\$0	\$0	\$
Notifier and the serve and						
InterpretationSolSolYunge Year Tx Depreciation: 2021 SpeedPage of 13, Line 21SoSoCombality Tax Depreciation: 2021 SpeedPage of 13, Line 21SolSolCombality Tax DepreciationPrior Year Line 10SolSolBook Depreciation Book DepreciationAs filed per R1PU.C. Docket No. 47708.33%8.33%Composite Book Depreciation 	5 Capi	ital Included in Rate Base	Line 2	\$0	\$0	\$
Tax Depreciation 9 Vintage Year Tax Depreciation: 0 2013 spend 0 Cumulative Tax Depreciation 12 Cumulative Tax Depreciation 13 Depreciation 14 Cumulative Tax Depreciation 15 Total Cumulative Book Depreciation 16 Cumulative Book Depreciation 16 Cumulative Book Depreciation 17 S0 18 Deferred Tax Calculation: 19 Deferred Tax Calculation: 10 Cumulative Book Depreciation 18 Deferred Tax Calculation: 19 Deferred Tax Reserve 10 Deferred Tax Reserve 10 Cumulative Book Instruct 10 Cumulative Book Instruct 10 Cumulative Book Instruct 11 Line 15 12 S0 13 S0 14 S0 15 Total Cumulative Book Instruct 16 Cumulative Book Instruct 16 Cumulative Book Instruct 16 Cumulative Book Instruct	7 Cost	t of Removal		\$0	\$0	\$
9Viringe Year Tax Depreciation: 2021 SpendPage 6 of 13, Line 21S0S01Cumulative Tax DepreciationPrior Year Line 11 + Current Year Line 10S0S02Composite Book Depreciation Rate 2Commo (a) Eline 5 * Line 12 * 50%; 'Column (b) = Line 5 * Line 12S0S03Book DepreciationLine 11 * Current Year Line 13S0S04Cumulative Book DepreciationLine 12 * 50%; 'Column (b) = Line 5 * Line 12S0S05Total Cumulative Book DepreciationLine 14 + Current Year Line 13S0S06Cumulative Book DepreciationLine 14S0S07Effective Tax Rate 2Line 11 - Line 15S0S08Deferred Tax Calculation: 2S0S0S09Less FY 201 Federal NOL S0S0S0S09Net Deferred Tax ReserveSum of Lines 18 through 19S0S08Deferred Tax ReserveSum of Lines 18 through 19S0S09Net Deferred Tax ReserveSum of Lines 18 through 23S0S010Cumulative Increment Calculation: 4 Year End Rate Base Editor Deferred Tax ReserveSum of Lines 2 + S2S0S010Deferred Tax ReserveSum of Lines 2 + S2S0S0S011Uter Mark Base ALine 25 + S2S0S0S012Accumulative Increment Calculation: 4 Year End Rate Base Editor Deferred Tax Protection Adjustment Year Line 25 + S2S0S0S0 <t< td=""><td>8 Tota</td><td>al Net Plant in Service Including Cost of Removal</td><td>Line 5 + Line 7</td><td>\$0</td><td>\$0</td><td>S</td></t<>	8 Tota	al Net Plant in Service Including Cost of Removal	Line 5 + Line 7	\$0	\$0	S
1 2021 Spend Page 6 of 13, Line 21 50 50 1 Cumulative Tax Depreciation Prior Year Line 11 + Current Year Line 10 50 50 1 Composite Book Depreciation As filed per R.1P. U.C. Decket No. 4770 8.33% 8.33% 2 Composite Book Depreciation Column (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12 50 50 5 Total Cumulative Book Depreciation Line 14 S0 S0 6 Cumulative Book Depreciation Line 14 S0 S0 6 Cumulative Book Depreciation Line 14 S0 S0 6 Cumulative Book Tax Timer Line 14 S0 S0 7 Effective Tax Rate S0 S0 S0 8 Deferred Tax Reserve Sum of Lines 18 through 19 S0 S0 9 Less 'F 2021 Fedral NOL S0 S0 S0 9 Accumulative Depreciation -Line 15 S0 S0 10 Cumulative Tax Beave Calculation Line 14 S0 S0	Tax Dep	preciation				
11Cumulative Tax DepreciationPrior Year Line 11 + Current Year Line 105050Book Depreciation 2Composite Book Depreciation Rate 3As filed per R.I.P.U.C. Docket No. 4770 8.33%8.33% 8.33%2Composite Book Depreciationa Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12 9.008.33% 8.33%3Book DepreciationLine 14 + Current Year Line 13505Total Cumulative Book DepreciationLine 1450500Deferred Tax Calculation: 10Line 11 - Line 1550506Cumulative Book / Tax TimerLine 11 - Line 1550507Effective Tax RateserveLine 16 * Line 1750509Less: FY 2021 Federal NOL5050509Nex Deferred Tax ReserveSum of Lines 18 through 19505010Nex Deferred Tax ReserveSum of Lines 18505011Cumulative Incremental Capital Included in Rate BaseLine 850502Accumulated Depreciation- Line 2050502Accumulated Depreciation- Line 2050502Accumulated Depreciation- Line 25 + 2; Column (b) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b) = (Prior Year Line 25 + 2; Column (b) = Si502Average Rate Base before Deferred Tax ProrationPage 7 of 13, Line, Col (b) through Col, (k)50502Average Rate Base before Deferred Tax ProrationLine 25 + Line 265050	9 Vint	tage Year Tax Depreciation:				
Book Depreciation 2Column (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12SoSo2Composite Book Depreciation Column (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12SoSo3Book DepreciationDefine 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12SoSo5Total Cumulative Book DepreciationLine 14SoSo0Defined Tax Relaculation: Column Relative Book / Tax RitersLine 11 - Line 15SoSo0Les: FV 2021 Federal NOLSoSoSo0Les: FV 2021 Federal NOLSum of Lines 18 through 19SoSo0Les: FV 2021 Federal NOLSum of Lines 18 through 19SoSo0Net Deferred Tax ReserveLine 16 * Line 17SoSo1Cumulative Book / Tax ReserveSum of Lines 18 through 19SoSo1Cumulative Incremental Capital Included in Rate BaseLine 8SoSo1Cumulative Incremental Capital Included in Rate BaseLine 20SoSo2Accumulated Depreciation- Line 20SoSo3Deferred Tax Reserve- Line 20SoSo4Year End Rate Base Elore Deferred Tax Promition AdjustmentPage 7 of 13, Line : Coli (through Col. (k)SoSo5Average Rate Base before Deferred Tax Promition AdjustmentPage 7 of 13, Line : Coli (through Col. (k)SoSo6Pro-Tax RORLine 25 + Line 26SoSoSo7Average Rate	0 2	2021 Spend	Page 6 of 13, Line 21	\$0	\$0	\$
2Composite Book Depreciation RateAs filed pr R.1P.U.C. Docket No. 47708.33%8.33%3Book DepreciationColumn (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12S0S04Cumulative Book DepreciationPrior Year Line 14 + Current Year Line 13S0S05Total Cumulative Book DepreciationLine 14S0S05Total Cumulative Book There is the file of the file	1 Cum	nulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$
3Bock DepreciationColumn (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 1250504Cumulative Book DepreciationPrior Year Line 14 + Current Year Line 1350505Total Cumulative Book DepreciationLine 1450506Deferred Tax Checulation: Cumulative Book / Tax TimerLine 11 - Line 1550506Cumulative Book / Tax TimerLine 11 - Line 1550507Eiffective Tax Rate21.00%21.00%8Deferred Tax ReserveLine 16 * Line 1750509Net Deferred Tax ReserveSum of Lines 18 through 1950501Cumulative Incremental Capital Included in Rate BaseLine 850502Accumulated Depreciation- Line 1550503Deferred Tax ReserveSum of Lines 21 through 2350504Year End Rate BaseColumn (a) = Current Year Line 25 + 2; Column (b) = (Prior Year Line 25 + Current Year Line 25) + 250.00505Average Rate Base before Deferred Tax ProrationAline 25 + 2; Column (b) = (Prior Year Line 25 + Current Year Line 25) + 250.00505Average Rate Base before Deferred Tax ProrationLine 25 + 2; Column (b) = (Prior Year Line 25 + Current Year Line 25) + 250.00506Proration AdjustmentPrage 7 or 13, Line 2650507Average Rate Base before Deferred Tax ProrationLine 25 + Line 2650506Pre-Tax RORIzne 25 + Line 26	Book De	epreciation				
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5Total Cumulative Book DepreciationLine 14S0S0Deferred Tax Calculation: 6Cumulative Book / Tax TimerLine 11 - Line 15S0S06Effective Tax Rate 821.00%21.00%21.00%8Deferred Tax ReserveLine 16 * Line 17S0S09Less: FY 2021 Federal NOLS0S0S09Next Deferred Tax ReserveSum of Lines 18 through 19S0S01Cumulative Incremental Capital Included in Rate BaseLine 8S0S02Accumulated Depreciation- Line 15S0S02Accumulated Depreciation- Line 20S0S02Accumulated Depreciation- Line 20S0S03Deferred Tax Reserve- Line 20S0S04Year End Rate BaseSum of Lines 21 through 23S0S05Average Rate Base before Deferred Tax Provation AdjustmentPage 7 of 113, Line, 26S0S06Proe-Tax RORLine 25 + Line 26S0S07Average Rate Base after Deferred Tax ProvationLine 25 * Line 26S0S06Proe-Tax RORLine 25 * Line 26S0S07Return and TaxesLine 25 * Line 26S0S08Book DepreciationLine 13S0S09Popertor TaxesTax Rate 3.176% MAL-7 - Columns (b) Line 8 * 3.176%S0S0						9
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Book Depreciation Line 13 \$0 \$0 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b) Line 8 * 3.176% \$0 \$0						0.2
Property Taxes Tax Rate 3.176% MAL-7 - Columns (b) Line 8 * 3.176% \$0 \$0						
Annual Revenue Requirement Line 27 + Line 29 50 50	Ann	ual Revenue Requirement	Line 27 + Line 28 + Line 29	\$0	\$0	

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%	0.00%	2.23%
Short Term Debt	0.60%	1.76%	0.01%	0.00%	0.01%
Preferred Stock	0.10%	4.50%	0.00%	0.00%	0.00%
Common Equity	50.95%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2020 Capital Investments Energy Storage

. .			Rate Year Ending	Rate Year Ending	Rate Year Ending
Line No.			<u>August 31, 2020</u> (a)	<u>August 31, 2021</u> (b)	<u>August 31, 2022</u> (c)
<u>INO.</u>	Capital Repairs Deduction		(a)	(0)	(0)
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%		
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 5 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.00%	32.00%	19.20%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
				ψu	<i>\$</i> 0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-3 Page 7 of 13

(b)

(c)

(a)

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2020 Net Deferred Tax Reserve Proration Energy Storage

Line				RY20	RY21	RY22
No.	Deferred Tax Subject to Proration					
1	Book Depreciation	Page 15 of 25, Lin	e 12, Col (a) and Col (b)	\$0	\$0	\$0
2	Bonus Depreciation	- Page 16 of 2	25, Line 12, Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 2	25, Line 19, Col (a)	\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of Li	ines 1 through 4	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction		25, Line 3, Col (a)	\$0		
9	Cost of Removal	- Page 15 of .	25 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022	1. 0.1	· 0 · 1 · 10	\$0		
11	Cumulative Book / Tax Timer	Line $8 + 1$	Line 9 + Line 10	4 -		
12 13	Effective Tax Rate Deferred Tax Reserve	Time 1	1 × Line 12	21% \$0		
15	Deferred Tax Reserve	Line I	1 × Line 12	20		
14	Total Deferred Tax Reserve	Line	7 + Line 13	\$0	\$0	\$0
15	Net Operating Loss		25 , Line 17 ,Col (a)	\$0		
16	Net Deferred Tax Reserve	Line 1	4 + Line 15	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0		
19	Total Cumulative Book/Tax Timer	Line 1	7 + Line 18	\$0		
20	Total FY 2022 Federal NOL		Line 17 ,Col (a)÷21%	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ine 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ L	ine 19) × Line 20			
23	Effective Tax Rate			21%		
24	Deferred Tax Benefit subject to proration	Line 2	$22 \times \text{Line } 23$	\$0		
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(k)
		Number of Days in				
	Proration Calculation	Month	Proration Percentage	RY20	RY21	RY22
26	September	30	91.78%	\$0	\$0	\$0
27	October	31	83.29%	\$0	\$0	\$0
28 29	November December	30 31	75.07%	\$0 \$0	\$0 \$0	\$0 \$0
29 30		31	66.58%	\$0 \$0	\$0 \$0	\$0 \$0
30	January February	28	58.08% 50.41%	\$0 \$0	\$0 \$0	\$0 \$0
31	March	31	41.92%	\$0 \$0	\$0 \$0	\$0 \$0
33	April	30	33.70%	\$0 \$0	\$0 \$0	\$0 \$0
34	May	31	25.21%	\$0 \$0	\$0 \$0	\$0 \$0
35	June	30	16.99%	\$0 \$0	\$0 \$0	\$0 \$0
36	July	31	8.49%	\$0 \$0	\$0 \$0	\$0 \$0
37	August	31	0.00%	\$0 \$0	\$0	\$0 \$0
38	Total	365		\$0	\$0	\$0
39	Deferred Tax Without Proration	I	Line 25	\$0	\$0	\$0
40	Average Deferred Tax without Proration					
			e 39 × 0.5	\$0	\$0	\$0
41	Proration Adjustment	Line 3	38 - Line 40	\$0	\$0	\$0
C 1	NT /					

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 Power Sector Transformation (PST) Revenue Requirement on Estimated Capital Investment 12 months ending August 31, 2021 Energy Storage

No. August 31, 2021			o. o		
Estimated Capital Investment Status 1 Energy Storage Status 2 Total Capital Investment Sum Line 1 3 Total Capital Investment Sum Line 1 3 Total Capital Investments Sum Line 2 4 Retirements Line 2 5 Not Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4 6 Capital Included In Rate Base Column (a) = Line 3 - Line 4 6 Capital Included In Rate Base Line 2 6 Copital Included In Rate Base Solo 7 Cost of Removal Line 5 + Line 7 7 Cost of Removal Line 5 + Line 7 8 Total Net Plant in Service Including Cost of Removal Line 5 + Line 10 9 Vintage Year Tak Depreciation Current Year Line 10 10 202 Spend Current Year Line 10 Stat, 121 12 Composite Book Depreciation Current Year Line 10 Stat, 128 13 Book Depreciation Current Year Line 13 St1, 108 14 St1, 108				August 31, 2021	Rate Year Ending August 31, 2022 (b)
2 Total Capital Investment Sum Line 1 \$\$110,603 Depreciable Net Capital Inducted in Rate Base Line 2 \$\$110,603 \$\$100,003 4 Retirements Line 3* 0% \$\$0 \$\$100,003 5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4 \$\$110,003 \$\$100,003 6 Capital Included in Rate Base Line 2 \$\$110,003 \$\$100,003 7 Cost of Removal Line 2 \$\$110,003 \$\$100 7 Cost of Removal Line 5 + Line 7 \$\$10,603 \$\$100 7 Cost of Removal Line 5 + Line 7 \$\$10,603 \$\$100 7 Vorting V eri Tax Depreciation: \$\$0 \$\$22,212 \$\$13,11 10 2022 Spend Page 9 of 13, Line 21 \$\$82,121 \$\$13,11 11 Cumulative Tax Depreciation Current Year Line 10 \$\$82,121 \$\$13,11 12 Composite Book Depreciation Current Year Line 12 \$\$00,403 \$\$17,108 \$\$13,11 13 Total Camulative Book Depreciation Line 14 <td></td> <td>Estimated Capital Investment</td> <td></td> <td>(4)</td> <td>(0)</td>		Estimated Capital Investment		(4)	(0)
Descriction Line 2 Status 3 Total Allowed Capital Included in Rate Base Line 2 Status 6 Capital Included in Rate Base Column (a) = Line 3 - Line 4 Status 7 Cost of Removal So So 7 Cost of Removal So So 8 Inne 2 Status Status 9 Vintage Year Tax Depreciation: So Status 9 Vintage Year Tax Depreciation: Depreciation Status 10 2022 Spend Page 9 of 13, Line 21 Status 11 Cumulative Tax Depreciation: Cournern Year Line 10 Status 12 Composite Book Depreciation Cournern Year Line 10 Status 13 Dood Depreciation Column (a) = Line 5 * Line 2 * Style Status 14 Cumulative Book Depreciation Column (a) = Line 5 * Line 12 * Style Status 15 Total Cumulative Book Depreciation Column (a) = Line 14 Status 16 Cumulative Book Depreciation Line 14 Status 17.108 Status Status Status 16 Cumulative Book Preciation Line 14 Status 17 Calenatidion Line 14 Status		Energy Storage			\$0
3 Trait Allowed Capital Included in Rate Base in Current Year Line 2 \$410,003 4 Retirements Suite 39 % \$0 5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4 \$410,003 \$410,003 6 Capital Included in Rate Base Line 2 \$410,003 \$410,003 7 Cost of Removal So \$50 7 Cost of Removal Line 5 + Line 7 \$410,003 \$410,003 8 Tast Net Plant in Service Including Cost of Removal Line 5 + Line 7 \$410,003 \$410,003 9 Vinage Year Tax Depreciation Current Year Line 10 \$52,212 \$213,1 10 Capital Included in Rate Base Column (a) = Line 5 + Line 21 \$22,21 \$213,1 11 Cumulative Tax Depreciation Current Year Line 10 \$52,212 \$213,1 12 Composite Book Depreciation Column (a) = Line 5 + Line 12 * 50% \$17,108 \$34,1 13 Total Cumulative Book Depreciation Line 14 \$17,108 \$34,1 14 Cumulative Book Tax There Line 14 \$17,108 \$34,1 15	2	Total Capital Investment	Sum Line 1	\$410,603	\$0
4 Retirements 100 5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 · Line 4 \$410,603 6 Capital Included in Rate Base Line 2 \$410,603 7 Cost of Removal S0 8 Text Depreciation S0 9 Vinings Year Tax Depreciation S0 10 202 Spend Page 9 of 13, Line 21 \$82,121 \$131, 100 10 202 Spend Page 9 of 13, Line 21 \$82,121 \$131, 100 11 Commutive Tax Depreciation Current Year Line 10 \$82,121 \$131, 100 12 Composite Book Depreciation Current Year Line 13 \$17,108 \$84, 100 12 Composite Book Depreciation Current Year Line 13 \$17,108 \$84, 100 13 Book Depreciation Current Year Line 13 \$17,108 \$84, 100 14 Current Year Line 13 \$17,108 \$84, 100 \$17,108 \$84, 100 14 Current Year Line 13 \$17,108 \$14, 100 \$17,108 \$14, 100 \$17,108 \$14, 11,108 \$14, 11,108 \$14, 11,108 \$14, 11,108 <td>_</td> <td></td> <td></td> <td></td> <td></td>	_				
5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4 \$410,603 \$410, 6 Capital Included in Rate Base Line 2 \$410,603 \$410, 7 Cost of Removal S0 \$0 8 Extended in Service Including Cost of Removal Line 5 + Line 7 \$410,603 \$410, 7 Cost of Removal S0 \$0 \$10 \$10 7 Tata Depreciation Line 5 + Line 7 \$410,603 \$410, 9 Wintage Year Tax Depreciation: \$22,259 \$22,121 \$131,1 10 2022 Spend Page 9 of 13, Line 21 \$82,121 \$231,1 11 Commonite Tax Depreciation Current Year Line 10 \$82,121 \$231,1 12 Composite Book Depreciation Current Year Line 13 \$17,108 \$441,1 13 Book Depreciation Line 14 \$17,108 \$541,1 14 Cumulative Book Depreciation Line 14 \$17,108 \$541,1 15 Total Cumulative Book Depreciation Line 14 \$17,108 \$541,1 16 Cumulative Book Depreciation Line 14 \$17,108 \$541,2 17 \$13,563 \$540,0 \$11,1 \$11,1 \$13,553 \$541,2					\$0 \$0
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6 Capital Included in Rate Base Line 2 \$410,603 7 Cost of Removal S0 8 Total Net Plant in Service Including Cost of Removal Line 5 + Line 7 \$410,603 \$410 9 Vintage Year Tax Depreciation Page 9 of 13, Line 21 \$82,121 \$213,131 10 2022 Spend Page 9 of 13, Line 21 \$82,121 \$213,232 10 Composite Book Depreciation Current Year Line 10 \$83,923 \$84,121 12 Composite Book Depreciation Column (a) = Line 5 + Line 12 * 50% \$17,108 \$84,144 14 Current Year Line 13 \$17,108 \$84,144 \$17,108 \$83,144 15 Total Curvaliative Book Depreciation Line 14 \$17,108 \$83,121 15 Total Curvaliative Book Depreciation Line 11 - Line 15 \$65,013 \$10,221 16 Curvaliative Book Depreciation Line 11 - Line 15 \$21,00%,211 \$21,00%,212 17 Effected Tax Calculation: 1 \$11,063 \$344,113 18 Defereed Tax Reserve Line		Change in Net Canital Included in Rate Base			
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Tax Depreciation 9 Vintage Year Tax Depreciation: 10 202 Spend 11 Curnulative Tax Depreciation 12 Composite Book Depreciation Rate 13 Book Depreciation 14 Curnulative Tax Depreciation 15 Total Cumulative Book Depreciation 16 Curnulative Book Depreciation 17 Cumulative Book Depreciation 18 Book Depreciation 19 Composite Book Depreciation 10 Curnent Year Line 12 * 50% 11 Curnulative Book Depreciation 11 Curnulative Book Depreciation 11 Curnulative Book Depreciation 12 Total Cumulative Book Depreciation 13 Deferred Tax Calculation: 14 S17,108 15 Total Cumulative Book Tax Timer 16 Curnet I ax Reserve 17 S13,653 18 Star Reserve 19 Less FY 202 Federal NOL 20 Net Deferred Tax Reserve 21 Curnulati	7	Cost of Removal		\$0	\$0
9Vintage Year Tax Depreciation: 2022 SpendPage 9 of 13, Line 21S82,121S131, S82,121102022 SpendPage 9 of 13, Line 21S82,121S131, S82,12111Cumulative Tax DepreciationCurrent Year Line 10S82,121S131, S82,12112Composite Book Depreciation RateAs filed per R.I.P.U.C. Docket No. 47708.33%8.313Book DepreciationColumn (a) - Line 5 * Line 12 * 50%S17,108S34, S17,10814Cumulative Book DepreciationCurrent Year Line 13S17,108S51,15Total Cumulative Book DepreciationLine 14S17,108S51, 210,00%16Cumulative Book Tax TimerLine 11 - Line 15S65,013S162, 210,00%18Deferred Tax ReserveLine 16 * Line 17S13,653S34, 30, 3020Net Deferred Tax ReserveSum of Lines 18 through 19S13,653S34, 	8	Total Net Plant in Service Including Cost of Removal	Line 5 + Line 7	\$410,603	\$410,603
9Vintage Year Tax Depreciation: 2022 SpendPage 9 of 13, Line 21S82,121S131, S82,121102022 SpendPage 9 of 13, Line 21S82,121S131, S82,12111Cumulative Tax DepreciationCurrent Year Line 10S82,121S131, S82,12112Composite Book Depreciation RateAs filed per R.I.P.U.C. Docket No. 47708.33%8.313Book DepreciationColumn (a) - Line 5 * Line 12 * 50%S17,108S34, S17,10814Cumulative Book DepreciationCurrent Year Line 13S17,108S51,15Total Cumulative Book DepreciationLine 14S17,108S51,16Cumulative Book Tax TimerLine 11 - Line 15S65,013S162, 210,18Deferred Tax ReserveLine 16 * Line 17S13,653S34, 20,20Net Deferred Tax ReserveSum of Lines 18 through 19S13,653S34, S34, S34, S321Cumulative Book Depreciation- Line 8S410,603S410, (S51, S32, S32, S32,22Cumulative Incremental Capital Included in Rate BaseLine 8S410,603S410, (S51, S32, S32, S32, S32, S32, S32, S32, S32, S32,S32, S32, S32, S32, S32, S32, S32, S32,		Tax Depreciation			
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11 Current Year Line 10 \$82,121 \$213, Book Depreciation Current Year Line 10 \$82,121 \$213, I2 Composite Book Depreciation Rate As filed per R.I.P.U.C. Docket No. 4770 \$8.33% \$8. 13 Book Depreciation Column (a) = Line 5 * Line 12 * 50% \$17,108 \$344, 14 Cumulative Book Depreciation Line 14 \$17,108 \$51, 15 Total Cumulative Book Depreciation Line 14 \$17,108 \$51, 16 Cumulative Book / Tax Timer Line 11 - Line 15 \$66,013 \$162, 18 Deferred Tax Reserve Line 16 * Line 17 \$13,653 \$344, 19 Less: FY 2022 Federal NOL Sum of Lines 18 through 19 \$13,653 \$344, 20 Net Deferred Tax Reserve Sum of Lines 8 \$410,603 \$410,003 \$410,023 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$410,603 \$410,003 \$410,023 22 Accumulative Depreciation - Line 15 \$110,026 \$13,653 \$324,033 21 Cumulative Incremental Capital Included in Rate Base Line 8		•	Page 9 of 13. Line 21	\$82.121	\$131,393
12Composite Book Depreciation RateAs filed per R.I.P.U.C. Docket No. 47708.33%8.13Book DepreciationColumn (a) = Line 5 * Line 12 * 50%\$17,108\$34,14Cumulative Book DepreciationLine 14\$17,108\$51,15Total Cumulative Book DepreciationLine 14\$17,108\$51,Deferred Tax Calculation:16Cumulative Book Tax TimerLine 11 - Line 15\$65,013\$162,17Effective Tax Rate21,00%211\$18,653\$34,19Less: FY 2022 Federal NOL50\$0\$13,653\$34,20Net Deferred Tax ReserveSum of Lines 18 through 19\$13,653\$34,21Cumulative Incremental Capital Included in Rate BaseLine 8\$410,603\$410,23Deferred Tax ReserveSum of Lines 21 through 23\$379,842\$325,24Year End Rate BaseSum of Lines 21 through 23\$379,842\$325,25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$189,921\$352,26Proration AdjustmentPage 10 13, Line 26\$190,473\$353,\$34,27Average Rate Base hefter Deferred Tax ProrationLine 25 + Line 26\$190,473\$353,28Book DepreciationLine 25 + Line 26\$190,473\$353,29Proration AdjustmentColumn (a) = Current Year Line 25 + Line 26\$190,473\$353,20Pro-Tax ROR1\$11,626\$190,473 <td></td> <td></td> <td></td> <td></td> <td>\$213,514</td>					\$213,514
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14 Cumulative Book Depreciation S17,108 S162,					8.33%
15Total Cumulative Book DepreciationLine 14 $11,108$ $551,108$ 16Cumulative Book / Tax TimerLine 11 - Line 15 $565,013$ $5162,119$ 17Effective Tax Rate $21,009,214$ 18Deferred Tax ReserveLine 16 * Line 17 $513,653$ $534,119$ 19Less: FY 2022 Federal NOL 50 50 20Net Deferred Tax ReserveSum of Lines 18 through 19 $$13,653$ $$34,119$ 21Cumulative Incremental Capital Included in Rate BaseLine 8 $$410,603$ $$410,603$ 23Deferred Tax Reserve $$11,108$ $$13,653$ $$34,10,603$ 24Accumulated Depreciation- Line 15 $$(51,7,108)$ $$(51,118)$ 25Deferred Tax Reserve $$10,603$ $$410,603$ $$410,603$ 24Year End Rate BaseLine 8 $$410,603$ $$410,603$ 25Average Rate Base after Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2 $$189,921$ 26Proration AdjustmentPage 10 of 13, Line 20 $$190,473$ $$353,25$27Average Rate Base after Deferred Tax ProrationLine 25 + Line 26$190,473$353,353,353,353,353,353,353,353,353,353$					\$34,217
Deferred Tax Calculation: Interfactor Interfactor 16 Cumulative Book / Tax Timer Line 11 - Line 15 \$65,013 \$162, 7 Effective Tax Rate 100% 211 18 Deferred Tax Reserve Line 16 * Line 17 \$13,653 \$34,0 19 Less: FY 2022 Federal NOL 50 50 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$13,653 \$34,0 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$410,603 \$410,0 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$410,603 \$410,0 22 Accumulated Depreciation - Line 15 \$\$13,653 \$34,0 23 Deferred Tax Reserve - Line 20 \$\$13,653 \$\$34,0 24 Year End Rate Base Sum of Lines 21 through 23 \$379,842 \$325,2 26 Proration Adjustment Page 10 of 13, Line , Col (i) through Col. (k) \$5552 \$\$ 25 Average Rate Base before Deferred Tax Proration Line 25 + Line 26 \$190,473 \$3552, 26 Proration Adjustment Page	14	Cumulative Book Depreciation	Current Year Line 13	\$17,108	\$51,325
16Cumulative Book / Tax TimerLine 11 - Line 15 $$65,013$ $$162,$ 17Effective Tax Rate $$21,00\%$ $$21,1$ 18Deferred Tax ReserveLine 16 * Line 17 $$$13,653$ $$334,1$ 19Less: FY 2022 Federal NOL $$0$ 20Net Deferred Tax ReserveSum of Lines 18 through 19 $$$13,653$ $$$34,1$ 21Cumulative Incremental Capital Included in Rate BaseLine 8 $$$(17,108)$ $$$13,653$ $$$34,1$ 21Cumulative Incremental Capital Included in Rate BaseLine 8 $$$(17,108)$ $$$51,23$ $$$34,123$ 22Accumulated Depreciation- Line 15 $$$(17,108)$ $$$51,23$ $$$339,842$ $$$325,533$ 23Deferred Tax Reserve- Line 20 $$$$13,653$ $$$34,123$ 24Year End Rate BaseSum of Lines 21 through 23 $$$$379,842$ $$$325,235,235,235,235,235,235,235,235,235,$	15	Total Cumulative Book Depreciation	Line 14	\$17,108	\$51,325
17Effective Tax Rate 21.00% 21.1 18Deferred Tax ReserveLine 16 * Line 17\$13,653\$34,119Less: FY 2022 Federal NOL 50 20Net Deferred Tax ReserveSum of Lines 18 through 19\$13,653\$34,020Net Deferred Tax ReserveSum of Lines 18 through 19\$13,653\$34,021Cumulative Incremental Capital Included in Rate BaseLine 8\$410,603\$410,022Accumulated Depreciation- Line 15\$(\$17,108)\$(\$51,23Deferred Tax Reserve- Line 20\$(\$13,653)\$(\$34,1)24Year End Rate BaseSum of Lines 21 through 23\$379,842\$325,2Revenue Requirement Calculation:25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$189,921\$352, \$					
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19Less: FY 2022 Federal NOLSum of Lines 18 through 19 $$13,653$ $$34,1$ 20Net Deferred Tax ReserveSum of Lines 18 through 19 $$13,653$ $$34,0$ 21Cumulative Incremental Capital Included in Rate BaseLine 8 $$410,603$ $$410,0$ 22Accumulated Depreciation- Line 15 $$($17,108)$ $$($51,2)$ 23Deferred Tax Reserve- Line 20 $$($13,653)$ $$($34,2)$ 24Year End Rate BaseSum of Lines 21 through 23 $$3379,842$ $$$325,2$ Revenue Requirement Calculation:25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2 $$189,921$ $$$352,2$ 26Proration AdjustmentPage 10 of 13, Line, Col (j) through Col. (k) $$$552$ $$$$27Average Rate Base after Deferred Tax ProrationLine 25 + Line 26$190,473$3352,5226Pro-Tax ROR1/223%325,2527Average Rate Base after Deferred Tax ProrationLine 25 + Line 26$190,473$3352,5228Book DepreciationLine 13$$17,108$$34,42$					21.00%
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Rate Base Calculation:21Cumulative Incremental Capital Included in Rate BaseLine 822Accumulated Depreciation- Line 1523Deferred Tax Reserve- Line 2024Year End Rate BaseSum of Lines 21 through 23Revenue Requirement Calculation:25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line $25 + 2$ \$189,92125Average Rate Base before Deferred Tax Proration AdjustmentPage 10 of 13, Line, Col (j) through Col. (k)\$552\$\$26Pro-Tax ROR\$190,473\$353,27Return and TaxesLine 25 + Line 26\$15,676\$29,28Book DepreciationLine 13\$17,108\$34,			Sum of Lines 18 through 19		\$0 \$34,060
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22Accumulated Depreciation- Line 15 $(\$17,108)$ $(\$51,123)$ 23Deferred Tax Reserve- Line 20 $(\$13,653)$ $(\$34,123)$ 24Year End Rate BaseSum of Lines 21 through 23 $\$379,842$ $\$325,123$ Revenue Requirement Calculation:25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 ÷ 2 $\$189,921$ $\$352,235,235,235,235,235,235,235,235,235,$					
23Deferred Tax Reserve- Line 20(\$13,653)(\$34,124Year End Rate BaseSum of Lines 21 through 23\$379,842\$325;Revenue Requirement Calculation:25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$189,921\$352,226Proration AdjustmentPage 10 of 13, Line , Col (j) through Col. (k)\$552\$\$27Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$190,473\$353,26Pre-Tax ROR1\$23%\$8.227Return and TaxesLine 25 * Line 26\$15,676\$29,928Book DepreciationLine 13\$17,108\$34,4					\$410,603
24 Year End Rate Base Sum of Lines 21 through 23 \$379,842 \$325, 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 + 2 \$189,921 \$352, 26 Proration Adjustment Page 10 of 13, Line , Col (j) through Col. (k) \$552 \$\$ 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$190,473 \$353, 27 Return and Taxes Line 25 * Line 26 \$15,676 \$29, 28 Book Depreciation Line 13 \$17,108 \$34,					(\$51,325)
25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$189,921\$352,26Proration AdjustmentPage 10 of 13, Line, Col (j) through Col. (k)\$552\$\$27Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$190,473\$353,26Pre-Tax ROR1/\$23%\$8<					\$325,218
26 Proration Adjustment Page 10 of 13, Line, Col (j) through Col. (k) \$552 \$ 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$190,473 \$353; 26 Pre-Tax ROR 1/ 8.23% 8.2 27 Return and Taxes Line 25 * Line 26 \$15,676 \$29,9 28 Book Depreciation Line 13 \$17,108 \$34;4		Revenue Requirement Calculation:			
27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$190,473 \$353, 26 Pre-Tax ROR 1/ 8.23% 8.2 27 Return and Taxes Line 25 * Line 26 \$15,676 \$29, 28 Book Depreciation Line 13 \$17,108 \$34,					\$352,530
26 Pre-Tax ROR 1/ 8.23% 8.3 27 Return and Taxes Line 25 * Line 26 \$15,676 \$29, 28 Book Depreciation Line 13 \$17,108 \$34,					\$825
27 Return and Taxes Line 25 * Line 26 \$15,676 \$29, 28 Book Depreciation Line 13 \$17,108 \$34,			Line $25 + Line 26$		\$353,355
28 Book Depreciation Line 13 \$17,108 \$34,			L in 25 * Line 26		<u>8.23%</u> \$29,081
I A A A A A A A A A A A A A A A A A A A					
					\$34,217 \$12,497
30 Annual Revenue Requirement Line 27 + Line 28 + Line 29 \$32,784 \$75;	30	Annual Revenue Requirement	Line 27 + Line 28 + Line 29	\$32.784	\$75,795

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2021 Capital Investments

Energy Storage

			Rate Year Ending	Rate Year Ending	
Line			August 31, 2021	August 31, 2022	
<u>No.</u>			(a)	(b)	
	Capital Repairs Deduction				
1	Plant Additions	Page 8 of 13, Line 2	\$410,603		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	-	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$410,603		
5	Less Capital Repairs Deduction	Line 3	\$0	_	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$410,603	-	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$410,603	-	
9	Bonus Depreciation Rate (April 2021 - December 2021)	0%	0.00%		
10	Bonus Depreciation Rate (January 2022 - Mar 2022)	0%	0.00%	_	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$410,603		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0	-	
16	Remaining Plant Additions Subject to 5 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$410,603	\$410,603	\$410,603
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.00%		19.20%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$82,121	\$131,393	\$78,836
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$82,121	\$131,393	\$78,836

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-3 Page 10 of 13

(b)

(c)

(a)

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2021 Net Deferred Tax Reserve Proration Energy Storage

Line				RY21	RY22	RY23
No.	Deferred Tax Subject to Proration					
1	Book Depreciation	Page 15 of 25 , Li	ine 12 ,Col (a) and Col (b)	\$17,108	\$34,217	\$34,217
2	Bonus Depreciation	- Page 16 of	25, Line 12, Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 1	6 of 25 , Col (d)	(\$82,121)	(\$131,393)	(\$78,836)
4	FY22 tax (gain)/loss on retirements	- Page 16 of	25, Line 19, Col (a)	\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of I	Lines 1 through 4	(\$65,013)	(\$97,176)	(\$44,619)
6	Effective Tax Rate			21%	21%	21%
7	Deferred Tax Reserve	Lin	e 5 × Line 6	(\$13,653)	(\$20,407)	(\$9,370)
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction		f 25 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of	f 25 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022			.		
11	Cumulative Book / Tax Timer	Line 8 +	Line 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line	11 × Line 12	\$0		
14	Total Deferred Tax Reserve		e 7 + Line 13	(\$13,653)	(\$20,407)	(\$9,370)
15	Net Operating Loss		25 , Line 17 ,Col (a)	\$0	(****	(00.0=0)
16	Net Deferred Tax Reserve	Line	14 + Line 15	(\$13,653)	(\$20,407)	(\$9,370)
	Allocation of FY 2022 Estimated Federal NOL			(0.5 0.1 0)		
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	(\$65,013)		
18	Cumulative Book/Tax Timer Not Subject to Proration	* ·	Line 11	\$0		
19	Total Cumulative Book/Tax Timer	Line	17 + Line 18	(\$65,013)		
20	Total FY 2022 Federal NOL		, Line 17 ,Col (a)÷21%	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷	Line 19) × Line 20			
23	Effective Tax Rate			21%		
24	Deferred Tax Benefit subject to proration	Line	22 × Line 23	\$0		
25	Net Deferred Tax Reserve subject to proration	Line	e 7 + Line 24	(\$13,653)	(\$20,407)	(\$9,370)
		(h)	(i)	(j)	(k)	(k)
		Number of Days				
	Proration Calculation	Month	Proration Percentage	RY21	RY22	RY23
26	September	30	91.78%	(\$1,044)	(\$1,561)	(\$717)
27	October	31	83.29%	(\$948)	(\$1,416)	(\$650)
28 29	November December	30 31	75.07% 66.58%	(\$854)	(\$1,277)	(\$586)
29 30		31		(\$757)	(\$1,132)	(\$520)
30	January February	28	58.08% 50.41%	(\$661) (\$574)	(\$988) (\$857)	(\$454)
32	March	28 31	41.92%	(\$574) (\$477)	(\$857) (\$713)	(\$394) (\$327)
32	April	30	33.70%	(\$383)	(\$713)	(\$263)
34	May	31	25.21%	(\$287)	(\$429)	(\$197)
35	June	30	16.99%	(\$193)	(\$289)	(\$133)
36	July	31	8.49%	(\$97)	(\$144)	(\$66)
37	August	31	0.00%	\$0	\$0	(\$00) \$0
38	Total	365	0.0070	(\$6,275)	(\$9,379)	(\$4,306)
39	Deferred Tax Without Proration		Line 25	(\$13,653)	(\$20,407)	(\$9,370)
40	Average Deferred Tax without Proration			, ,		
			ne 39 × 0.5	(\$6,826)	(\$10,203)	(\$4,685)
41	Proration Adjustment	Line	238 - Line 40	\$552	\$825	\$379

Column Notes:

(i) Sum of remaining days in the year (Col (h)) divided by 365 (j) & (k) Current Year Line $25 \div 12 \times$ Current Month Col (i)

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Revenue Requirement on Estimated Capital Investment 12 months ending August 31, 2022 Energy Storage

			Energy Storage			
Estimated Capital Investment S 1, 1, 25, 335 1 Energy Storage Sum Line 1 SI, 25, 335 2 Total Allowed Capital Included in Rate Base Line 2 SI, 325, 335 3 Total Allowed Capital Included in Rate Base Line 2 SI, 325, 335 4 Retirements Line 3 + Line 4 SI, 325, 335 5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 + Line 4 SI, 325, 335 6 Capital Included in Rate Base Line 2 SI, 325, 335 7 Coti of Removal Line 5 + Line 7 SI, 325, 335 7 Coti of Removal Line 5 + Line 7 SI, 325, 335 7 Coti of Removal Line 5 + Line 7 SI, 325, 335 7 Coti of Removal Line 5 + Line 7 SI, 325, 335 7 Coti of Removal Line 5 + Line 7 SI, 325, 335 7 Coti of Removal Line 5 + Line 7 SI, 325, 335 7 Coti of Removal Line 5 + Line 7 SI, 325, 335 7 Coti of Removal Communitive Taxo Depreciation						Rate Year Ending August 31, 2023
2 Total Estimated Capital Investment Sum Line 1 \$1,825,335 Depreciable Net Capital Included in Rate Base Line 2 \$1,325,335 4 Retirements Line 3* 0% \$30 5 Net Depreciable Capital Included in Rate Base Column (a) – Line 3 - Line 4 \$1,825,335 6 Capital Included in Rate Base Column (a) – Line 3 - Line 4 \$1,825,335 7 Coat of Removal S0 8 End Net Capital Included in Rate Base Line 2 \$1,825,335 7 Coat of Removal S0 8 End Net Phant in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 7 Coat of Removal S0 8 End Net Phant in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 7 Coat of Removal S0 \$1,825,335 7 Coat of Removal S0 \$1,825,335 7 Coat of Removal S0 \$1,825,335 7 Coat of Removal Line 5 + Line 7 \$1,825,335 7 Coat of Removal S0 \$3,85,067 10 2022 Spend Page 12 of 13, Line 21 \$3,65,067 11 Cumulative Tax Depreciation Cumulatice Bob Aperceiation Cumulatice Bob Capeciation		Estimated Capital Investment			(a)	(b)
2 Total Estimated Capital Investment Sum Line 1 \$1,825,335 Depreciable Net Capital Included in Rate Base Line 2 \$1,325,335 4 Retirements Line 3* 0% \$30 5 Net Depreciable Capital Included in Rate Base Column (a) – Line 3 - Line 4 \$1,825,335 6 Capital Included in Rate Base Column (a) – Line 3 - Line 4 \$1,825,335 7 Coat of Removal S0 8 End Net Capital Included in Rate Base Line 2 \$1,825,335 7 Coat of Removal S0 8 End Net Phant in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 7 Coat of Removal S0 8 End Net Phant in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 7 Coat of Removal S0 \$1,825,335 7 Coat of Removal S0 \$1,825,335 7 Coat of Removal S0 \$1,825,335 7 Coat of Removal Line 5 + Line 7 \$1,825,335 7 Coat of Removal S0 \$3,85,067 10 2022 Spend Page 12 of 13, Line 21 \$3,65,067 11 Cumulative Tax Depreciation Cumulatice Bob Aperceiation Cumulatice Bob Capeciation	1	Energy Storage		s	1 825 335	\$0
3Total Allowed Capital Included in Rate Base in Current YearLine 2\$1,825,3356Charage in Net Capital Included in Rate BaseColumn (a) = Line 3 - Line 4\$1,825,3357Control Capital Included in Rate BaseColumn (a) = Line 3 - Line 4\$1,825,3357Cost of RemovalS08Total Net Plant in Service Including Cost of RemovalLine 2\$1,825,3357Cost of RemovalS08Total Net Plant in Service Including Cost of RemovalLine 5 + Line 7\$1,825,3357Cost of RemovalS09Wintge Year Tax DepreciationPage 12 of 13, Line 21\$1,825,3059Current Year Tax DepreciationCurrent Year Line 10\$365,067102022 SpendPage 12 of 13, Line 21\$165,06711Current Year Line 10\$365,06712Composite Book DepreciationColume 1, Line 5 + Line 7\$365,06713Book DepreciationCourrent Year Line 10\$365,06714Current Year Line 13\$76,05615Total Currulative Book DepreciationCurrent Year Line 15\$28,01116Current Year Line 15\$28,011\$10,05617Effecter Line KaserveSum of Line 16 + Line 17\$60,05219Line 18 KaserveSum of Lines 8\$18,053,35720Net DepreciationLine 8\$10,056,02221Current Year Line 15\$1,056,05722Current Year Zine 13\$10,056,02223Current Year Line 25 - 2			Sum Line 1			\$0
4 Retirements Line 3* 0% S0 5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4 \$1,825,335 6 Capital Included in Rate Base Line 2 \$1,825,335 7 Cost of Removal 50 8 Tata Depreciation 50 9 Vintage Year Tax Depreciation: 30 10 202 Spand Page 12 of 13, Line 21 \$365,067 11 Commutive Tax Depreciation Current Year Line 10 \$365,067 12 Composite Book Depreciation Current Year Line 10 \$365,067 12 Composite Book Depreciation Rate As filed per R1P.U.C. Docket No. 4770 8.33% 13 Book Depreciation Current Year Line 13 \$76,056 14 Cumulative Book Depreciation Current Year Line 13 \$76,056 15 Total Currulative Book Depreciation Line 14 \$76,056 16 Cumulative Book Depreciation Line 16 * Line 17 \$60,062 17 Inte 14 \$76,056 \$10,000 \$10,000 18 Deferred Tax Reserve Sum of Lines 18 through 19 \$60,062 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4 \$1,825,335 6 Capital Included in Rate Base Line 2 \$1,825,335 7 Cost of Removal S0 8 Tata Depreciation S0 9 Vintage in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 7 Cost of Removal S0 8 Tata Depreciation S1,825,335 7 Cost of Removal S0 8 Tata Depreciation S1,825,335 7 Cost of Removal S0 8 Tata Depreciation S1,825,335 9 Vintage Year Tax Depreciation Current Year Line 10 \$365,067 10 2022 Spend Page 12 of 13, Line 21 \$365,067 11 Cumulative Book Depreciation Current Year Line 10 \$356,066 12 Composite Book Depreciation Current Year Line 12 \$50,056 13 Book Depreciation Current Year Line 13 \$76,056 14 S76,056 Current Year Line 15 \$289,011 15 Total Cumulative Book Depreciation					\$1,825,335	\$0
Change in Net Capital Included in Rate Base Line 2 \$1,825,335 6 Capital Included in Rate Base S0 7 Cost of Removal S0 8 Total Net Plant in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 7 Cost of Removal S0 9 Vintage Year Tax Depreciation: 9 9 Vintage Year Tax Depreciation: 9 10 2022 Spend Page 12 of 13, Line 21 \$365,067 11 Cumulative Tax Depreciation Current Year Line 10 \$365,067 12 Composite Book Depreciation Current Year Line 10 \$365,066 13 Book Depreciation Current Year Line 13 \$76,056 14 Composite Book Depreciation Current Year Line 13 \$76,056 15 Total Cumulative Book Depreciation Line 14 \$76,056 16 Cumulative Book Depreciation Line 14 \$76,056 17 Effection Tax Rearve Line 16 * Line 17 \$289,011 18 Deferred Tax Galeution: Line 16 * Line 17 \$60,092 19 Line 17 \$60,092 \$0 20 Net Deferred Tax Rearve Sum of Lines 18 through 19 \$60,692 21 Line 18 Stina						\$0
6 Capital Included in Rate Base Line 2 \$1,825,335 7 Cost of Removal \$0 8 Total Net Plant in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 7 Cost of Removal Line 5 + Line 7 \$1,825,335 7 Tax Depreciation \$1,825,335 9 Vintage Year Tax Depreciation: \$365,067 10 2022, Spend Page 12 of 13, Line 21 \$365,067 11 Comulative Tax Depreciation Current Year Line 10 \$365,067 12 Composite Book Depreciation Rate As filed per RLP U.C. Docket No. 4770 \$335,066 13 Book Depreciation Current Year Line 13 \$76,056 14 Comulative Book Depreciation Line 14 \$76,056 15 Total Cumulative Book Depreciation Line 14 \$76,056 16 Comulative Book / Tax Timer Line 11 - Line 15 \$289,011 17 Effecter Tax Calculation: \$1,825,335 18 Deferred Tax Reserve Line 16 * Line 17 \$00,092 19 Less FY 2022 Foderal NOL \$1,825,335 10 Comulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 12 Comulative Incremental Capital Included in Rate Base <td< td=""><td>5</td><td>Net Depreciable Capital Included in Rate Base</td><td>Column (a) = Line 3 - Line 4</td><td></td><td>\$1,825,335</td><td>\$1,825,335</td></td<>	5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4		\$1,825,335	\$1,825,335
7 Cost of Removal 50 7 Cost of Removal Line 5 + Line 7 \$1,825,335 Tata Depreciation 1 \$1,825,335 \$1,825,335 7 Tata Depreciation 9 Vintage Year Tax Depreciation: 9 0 2022 Spend Page 12 of 13, Line 21 \$365,067 10 2022 Spend Current Year Line 10 \$356,067 11 Cumulative Tax Depreciation Current Year Line 10 \$3365,067 12 Composite Book Depreciation Rate As filed per R.I.P.U.C. Docket No. 4770 8.33% 13 Book Depreciation Column (a) = Line 5 * Line 12 * 50% \$76,056 14 Composite Book Depreciation Current Year Line 13 \$76,056 15 Total Cumulative Book Depreciation Line 14 \$76,056 16 Cumulative Book Tax Timer Line 14 \$76,056 17 Efferred Tax Rate 21.00% \$80 18 Deferred Tax Rate 21.00% \$80 19 Less Y 2022 Federal NOL Sum of Lines 18 through 19 \$60.692 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$60.692 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 22					01 005 005	
8 Total Net Plant in Service Including Cost of Removal Line 5 + Line 7 \$1,825,335 Tax Depreciation 9 Vintage Year Tax Depreciation: 9 10 2022 Spend Page 12 of 13, Line 21 \$365,067 11 Cumulative Tax Depreciation Current Year Line 10 \$365,067 12 Composite Book Depreciation Rate As filed per R.I.P.U.C. Docket No. 4770 \$.33% 13 Book Depreciation Current Year Line 12 * 50% \$76,056 14 Cumulative Book Depreciation Current Year Line 13 \$76,056 15 Total Cumulative Book Depreciation Line 14 \$76,056 16 Cumulative Book Depreciation Line 14 \$76,056 17 Effective Tax Rate 21,00% \$90,092 18 Deferred Tax Raserve Line 16 + Line 17 \$00,092 19 Less FY 2022 Federal NOL \$00 \$00 \$00 20 Net Deferred Tax Raserve Sum of Lines 18 through 19 \$60,092 21 Cumulative Incremental Capital Included in Rate Base Line 15 \$1,825,335 22 Accumulation Line 20 \$60,062	6	Capital Included in Rate Base	Line 2		\$1,825,335	\$0
Tax Depreciation 9 Vintage Year Tax Depreciation: 10 2022 Spind Page 12 of 13, Line 21 \$365,067 11 Cumulative Tax Depreciation Current Year Line 10 \$355,067 12 Composite Book Depreciation As filed per R.I.P.U.C. Docket No. 4770 \$.33% 13 Book Depreciation Column (a) = Line 5 * Line 12 * 50% \$76,056 14 Cumulative Book Depreciation Current Year Line 13 \$76,056 15 Total Cumulative Book Depreciation Line 14 \$76,056 16 Cumulative Book Tax Timer Line 14 \$76,056 17 Effective Tax Rate 21.00% 18 18 Deferred Tax Calculation: Line 11 - Line 15 \$2289,011 19 Less: FY 2022 Federal NOL \$6 \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$60,092 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 2 Cumulative Book Reserve Line 8 \$1,685,887 2 Average Rate Base be	7	Cost of Removal			\$0	\$0
9Vintage Year Tax Depreciation: 2022 SpendPage 12 of 13, Line 21\$365,06711Currulutive Tax DepreciationCurrent Year Line 10\$365,06712Composite Book Depreciation RateAs filed per R.I.P.U.C. Docket No. 4770 $8,33\%$ 13Book DepreciationColumn (a) = Line 5 * Line 12 * 50%\$76,05614Currunulative Book DepreciationCurrent Year Line 13\$76,05615Total Currulative Book DepreciationLine 14\$76,05616Currulative Book / Tax TimerLine 11 - Line 15\$289,01117Effective Tax Rate21,00%\$018Deferred Tax Calculation: 20Line 16 * Line 17\$60,69219Less: FY 2022 Federal NOLSum of Lines 18 through 19\$60,69220Net Deferred Tax ReserveSum of Lines 18 through 19\$60,69221Currulative Book Depreciation- Line 15\$1,825,33522Accurulated Depreciation- Line 15\$1,825,33523Deferred Tax ReserveSum of Lines 81 through 19\$60,69224Year End Rate BaseLine 8\$1,825,33525Accurulated Depreciation- Line 15\$1,688,58726Protation AdjustmentColumn (a) = Current Year Line 25 + 2\$844,29327Average Rate Base Bater Deferred Tax Protation AdjustmentColumn (a) = Current Year Line 25 + 2\$844,29326Protation AdjustmentColumn (a) = Current Year Line 26\$844,74627Average Rate Base Rater Deferred Tax Protation<	8	Total Net Plant in Service Including Cost of Removal	Line 5 + Line 7		\$1,825,335	\$1,825,335
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11 Curnulative Tax Depreciation Current Year Line 10 \$365,067 Book Depreciation As filed per R.I.P.U.C. Docket No. 4770 8.33% 13 Book Depreciation Column (a) = Line 5* Line 12* 50% \$76,056 14 Cumulative Book Depreciation Current Year Line 13 \$76,056 15 Total Cumulative Book Depreciation Line 14 \$76,056 16 Cumulative Book Depreciation Line 14 \$76,056 17 Effective Tax Rate 21,00% 18 Deferred Tax Reserve Line 16* Line 17 \$60,692 19 Less: Y 2022 Fedral NOL \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$60,692 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 22 Accumulated Depreciation - Line 15 \$1,825,335 23 Accumulated Depreciation - Line 20 \$16,069,20 24 Year End Rate Base Sum of Lines 12 through 23 \$1,825,335 23 Accumulative Incremental Capital Included in Rate Base Line 20 \$16,069,20 24 Year End Rate Base Sum of Lines 21 through 23 \$1,688,587 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Cur	9	Vintage Year Tax Depreciation:				
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12Composite Book Depreciation RateAs filed per R.I.P.U.C. Docket No. 4770 8.33% 13Book DepreciationColumn (a) = Line 5 * Line 12 * 50%\$76,05614Cumulative Book DepreciationLine 14\$76,05615Total Cumulative Book DepreciationLine 14\$76,05616Deferred Tax Calculation:11117Effective Tax Rate21,00%18Deferred Tax ReserveLine 16 * Line 17\$00,69219Less: FY 2022 Federal NOL\$00\$0020Net Deferred Tax ReserveSum of Lines 18 through 19\$60,69221Cumulative Incremental Capital Included in Rate BaseLine 8\$1,825,33522Accumulate Depreciation- Line 15(\$76,056)23Deferred Tax ReserveSum of Lines 21 through 23\$1,688,58724Year End Rate BaseSum of Lines 21 through 23\$1,688,58725Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$844,29326Proration AdjustmentPage 13 of 13, Line, 20 (i) through Col. (k)\$2,245327Average Rate Base after Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$844,29327Average Rate Base after Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$844,29328Book DepreciationLine 25 * Line 26\$846,74627Average Rate Base after Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2\$846,746 </td <td>11</td> <td>Cumulative Tax Depreciation</td> <td>Current Year Line 10</td> <td></td> <td>\$365,067</td> <td>\$949,174</td>	11	Cumulative Tax Depreciation	Current Year Line 10		\$365,067	\$949,174
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14 Cumulative Book Depreciation Current Year Line 13 \$76,056 15 Total Cumulative Book Depreciation Line 14 \$76,056 16 Cumulative Book Tax Timer Line 11 - Line 15 \$289,011 17 Effective Tax Rate 21,00% 18 Deferred Tax Reserve Line 16 * Line 17 \$60,692 19 Less: FY 2022 Federal NOL \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$60,692 21 Cumulative Book Depreciation \$1,825,335 22 Accumulated Depreciation - Line 15 \$1,825,335 23 Deferred Tax Reserve Sum of Lines 18 through 19 \$60,692 24 Year End Rate Base \$1,825,335 25 Accumulated Depreciation - Line 15 \$1,825,335 24 Year End Rate Base Sum of Lines 21 through 23 \$1,688,587 25 Accumulated Depreciation - Line 20 \$1,688,587 26 Proration Adjustment Column (a) = Current Year Line 25 + 2 \$844,293 27 Average Rate Base after Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 + 2 \$844,243 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$846,746 <td< td=""><td></td><td>1 1</td><td></td><td></td><td></td><td>8.33%</td></td<>		1 1				8.33%
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16 Cumulative Book / Tax Timer Line 11 - Line 15 \$289,011 17 Effective Tax Rate 21.00% 18 Deferred Tax Reserve Line 16 * Line 17 \$60,692 19 Less: FY 2022 Federal NOL \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$60,692 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 22 Accumulated Depreciation - Line 15 \$1,686,560 23 Deferred Tax Reserve - Line 20 \$60,692 24 Year End Rate Base Sum of Lines 21 through 23 \$1,688,587 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,293 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,746 26 Proration Adjustment Page 13 of 13, Line , Col (j) through Col. (k) \$2,453 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$846,746 27 Return and Taxes<	15	Total Cumulative Book Depreciation	Line 14		\$76,056	\$228,167
17Effective Tax Rate21.00%18Deferred Tax ReserveLine 16 * Line 17\$60,69219Less: FY 2022 Federal NOL\$020Net Deferred Tax ReserveSum of Lines 18 through 19\$60,69220Net Deferred Tax ReserveSum of Lines 18 through 19\$60,692Rate Base Calculation;21Cumulative Incremental Capital Included in Rate BaseLine 8\$1,825,33522Accumulated Depreciation- Line 15(\$76,056)23Deferred Tax Reserve- Line 20(\$60,692)24Year End Rate BaseSum of Lines 21 through 23\$1,688,58725Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 ÷ 2\$844,29326Proration AdjustmentPage 13 of 13, Line , Col (j) through Col. (k)\$2,245327Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$69,68728Book DepreciationLine 13\$76,056						
18Deferred Tax ReserveLine 16 * Line 17\$60,69219Less: FY 2022 Federal NOL\$020Net Deferred Tax ReserveSum of Lines 18 through 19\$60,69221Cumulative Incremental Capital Included in Rate BaseLine 8\$1,825,33522Accumulated Depreciation- Line 15(\$76,056)23Deferred Tax Reserve- Line 20\$60,69224Year End Rate BaseSum of Lines 21 through 23\$1,688,58725Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 ÷ 2\$844,29326Proration AdjustmentPage 13 of 13, Line , Col (j) through Col. (k)\$2,45327Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$846,74628Book DepreciationLine 13\$76,056			Line 11 - Line 15			\$721,007
19 Less: FY 2022 Federal NOL \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$60,692 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 22 Accumulated Depreciation - Line 15 (\$76,056) 23 Deferred Tax Reserve - Line 20 (\$60,692) 24 Year End Rate Base Sum of Lines 21 through 23 \$1,688,587 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,293 26 Proration Adjustment Page 13 of 13, Line , Col (j) through Col. (k) \$2,453 26 Proration Adjustment Line 25 + Line 26 \$846,746 27 Average Rate Base after Deferred Tax Proration Line 25 * Line 26 \$46,746 26 Pro-Tax ROR 1 \$2,336 27 Return and Taxes Line 25 * Line 26 \$69,687 28 Book Depreciation Line 13 \$76,056						21.00%
20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$60,692 Rate Base Calculation: 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$1,825,335 22 Accumulated Depreciation - Line 15 (\$76,056) 23 Deferred Tax Reserve - Line 20 (\$60,692) 24 Year End Rate Base Sum of Lines 21 through 23 \$1,688,587 Revenue Requirement Calculation: 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,293 26 Proration Adjustment Page 13 of 13, Line , Col (j) through Col. (k) \$2,453 26 Proration Adjustment Line 25 + Line 26 \$844,746 27 Average Rate Base after Deferred Tax Proration Line 25 * Line 26 \$46,746 28 Book Depreciation Line 13 \$76,056			Line 16 * Line 17			\$151,411
Rate Base Calculation:21Cumulative Incremental Capital Included in Rate BaseLine 822Accumulated Depreciation- Line 1523Deferred Tax Reserve- Line 2024Year End Rate BaseSum of Lines 21 through 2325Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 ÷ 226Proration AdjustmentPage 13 of 13, Line , Col (j) through Col. (k)27Average Rate Base after Deferred Tax Proration26Pro-Tax ROR1/27Return and TaxesLine 25 * Line 2628Book DepreciationLine 1329St76,056			Sum of Lines 18 through 10			\$0 \$151,411
21Cumulative Incremental Capital Included in Rate BaseLine 8\$1,825,33522Accumulated Depreciation- Line 15(\$76,056)23Deferred Tax Reserve- Line 20(\$60,692)24Year End Rate BaseSum of Lines 21 through 23\$1,688,587Revenue Requirement Calculation:25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 ÷ 2\$844,29326Proration AdjustmentPage 13 of 13, Line , Col (j) through Col. (k)\$2,45327Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$846,74627Return and TaxesLine 25 * Line 26\$69,68728Book DepreciationLine 13\$76,056	20	Net Deterred Tax Reserve	Sum of Lines 18 through 19		\$00,092	\$151,411
22Accumulated Depreciation- Line 15(\$76,056)23Deferred Tax Reserve- Line 20(\$60,692)24Year End Rate BaseSum of Lines 21 through 23\$1,688,587Revenue Requirement Calculation:25Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 ÷ 2\$844,29326Proration AdjustmentPage 13 of 13, Line , Col (j) through Col. (k)\$2,45327Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$846,74626Pre-Tax ROR1/\$23%27Return and TaxesLine 25 * Line 26\$69,68728Book DepreciationLine 13\$76,056						
23 Deferred Tax Reserve - Line 20 (\$60,692) 24 Year End Rate Base Sum of Lines 21 through 23 \$1,688,587 Revenue Requirement Calculation: 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,293 26 Proration Adjustment Page 13 of 13, Line , Col (j) through Col. (k) \$2,453 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$846,746 26 Pre-Tax ROR 1/ \$2,3% 27 Return and Taxes Line 25 * Line 26 \$69,687 28 Book Depreciation Line 13 \$76,056						\$1,825,335
24 Year End Rate Base Sum of Lines 21 through 23 \$1,688,587 25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,293 26 Proration Adjustment Page 13 of 13, Line, Col (j) through Col. (k) \$2,453 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$846,746 26 Pre-Tax ROR 1/ 8,23% 27 Return and Taxes Line 25 * Line 26 \$69,687 28 Book Depreciation Line 13 \$76,056						(\$228,167)
25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,293 26 Proration Adjustment Page 13 of 13, Line , Col (j) through Col. (k) \$2,453 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$846,746 26 Pre-Tax ROR 1/ 8.23% 27 Return and Taxes Line 25 * Line 26 \$69,687 28 Book Depreciation Line 13 \$76,056						(\$151,411) \$1,445,757
25 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$844,293 26 Proration Adjustment Page 13 of 13, Line , Col (j) through Col. (k) \$2,453 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$846,746 26 Pre-Tax ROR 1/ 8.23% 27 Return and Taxes Line 25 * Line 26 \$69,687 28 Book Depreciation Line 13 \$76,056		Revenue Requirement Calculation:				
26Proration AdjustmentPage 13 of 13, Line , Col (j) through Col. (k)\$2,45327Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$846,74626Pre-Tax ROR1/8.23%27Return and TaxesLine 25 * Line 26\$69,68728Book DepreciationLine 13\$76,056	25		Column (a) = Current Year Line $25 \div 2$		\$844,293	\$1,567,172
26 Pre-Tax ROR 1/ 8.23% 27 Return and Taxes Line 25 * Line 26 \$69,687 28 Book Depreciation Line 13 \$76,056	26	Proration Adjustment			\$2,453	\$3,666
27 Return and Taxes Line 25 * Line 26 \$69,687 28 Book Depreciation Line 13 \$76,056	27		Line 25 + Line 26			\$1,570,838
28 Book Depreciation Line 13 \$76,056				1/		8.23%
1					. ,	\$129,280
29 Property Taxes Tax Rate 3.176% MAL-7 \$0		*				\$152,111
	29	Property Taxes	Tax Rate 3.176% MAL-7		\$0	\$55,557
30Annual Revenue RequirementLine 27 + Line 28 + Line 29\$145,743	30	Annual Revenue Requirement	Line 27 + Line 28 + Line 29		\$145,743	\$336,948

1/ Weighted Average Cost of Capital per Docket No. 4770, Schedule 1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2022 Capital Investments Energy Storage

			Rate Year Ending		
Line			August 31, 2021		
No.			(a)		
	Capital Repairs Deduction				
1	Plant Additions	Page 11 of 13, Line 2	\$1,825,335		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$1,825,335		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$1,825,335		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$1,825,335		
9	Bonus Depreciation Rate (April 2021 - December 2021)	0%	0.00%		
10	Bonus Depreciation Rate (January 2022 - Mar 2022)	0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$1,825,335		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 5 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$1,825,335	\$1,825,335	\$1,825,335
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.00%	32.00%	19.20%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$365,067	\$584,107	\$350,464
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 11 of 13, Line 7	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$365,067	\$584,107	\$350,464

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-3 Page 13 of 13

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2022 Net Deferred Tax Reserve Proration **Energy Storage**

Line No.	Deferred Tax Subject to Proration			(a) RY22	(b) RY23	(c) RY24
1 2	Book Depreciation Bonus Depreciation		e 12 ,Col (a) and Col (b) 5 , Line 12 ,Col (a)	\$76,056 \$0	\$152,111	\$152,111
3	Remaining MACRS Tax Depreciation	- Page 16	of 25, Col (d)	(\$365,067)	(\$584,107)	(\$350,464)
4	FY22 tax (gain)/loss on retirements		5, Line 19, Col (a)	\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of Li	nes 1 through 4	(\$289,011)	(\$431,996)	(\$198,353)
6	Effective Tax Rate			21%	21%	21%
7	Deferred Tax Reserve	Line	5 × Line 6	(\$60,692)	(\$90,719)	(\$41,654)
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	- Page 16 of 2	5 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of 2	5 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022					
11	Cumulative Book / Tax Timer	Line 8 + L	ine 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line 1	× Line 12	\$0		
14	Total Deferred Tax Reserve	Line 7	+ Line 13	(\$60,692)	(\$90,719)	(\$41,654)
15	Net Operating Loss	- Page 15 of 2:	5, Line 17, Col (a)	\$0		
16	Net Deferred Tax Reserve	Line 14	4 + Line 15	(\$60,692)	(\$90,719)	(\$41,654)
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration	I	ine 5	(\$289,011)		
18	Cumulative Book/Tax Timer Not Subject to Protation		ine 11	\$0		
19	Total Cumulative Book/Tax Timer		7 + Line 18	(\$289,011)		
20	Total FY 2022 Federal NOL	Page 15 of 25	Line 17 ,Col (a)÷21%	\$0		
20	Allocated FY 2021 Federal NOL Not Subject to Proration		ne 19) × Line 20	30		
22	Allocated FY 2021 Federal NOL Subject to Proration		ne 19) × Line 20			
23	Effective Tax Rate	(2	iii (1)) Elii (20	21%		
24	Deferred Tax Benefit subject to proration	Line 22	2 × Line 23	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	(\$60,692)	(\$90,719)	(\$41,654)
		(h)	(i)	(j)	(k)	(k)
		Number of Days in		0/	()	()
	Proration Calculation	Month	Proration Percentage	RY22	RY23	RY24
26	September	30	91.78%	(\$4,642)	(\$6,939)	(\$3,186)
27	October	31	83.29%	(\$4,212)	(\$6,296)	(\$2,891)
28	November	30	75.07%	(\$3,797)	(\$5,675)	(\$2,606)
29	December	31	66.58%	(\$3,367)	(\$5,033)	(\$2,311)
30	January	31	58.08%	(\$2,938)	(\$4,391)	(\$2,016)
31	February	28	50.41%	(\$2,550)	(\$3,811)	(\$1,750)
32	March	31 30	41.92%	(\$2,120)	(\$3,169)	(\$1,455)
33 34	April May	30 31	33.70% 25.21%	(\$1,704)	(\$2,548)	(\$1,170)
34	June	30	16.99%	(\$1,275) (\$859)	(\$1,906) (\$1,284)	(\$875) (\$590)
35	July	30	8.49%	(\$430)	(\$1,284) (\$642)	(\$295)
30	August	31	0.00%	(\$430) \$0	(3042) \$0	(\$293)
38	Total	365	0.0070	(\$27,894)	(\$41,694)	(\$19,144)
		-		(0.00 - 0.00)	(000 = 10)	(0 4 · · · ·
39	Deferred Tax Without Proration	L	ine 25	(\$60,692)	(\$90,719)	(\$41,654)
40	Average Deferred Tax without Proration	Lina	39 × 0.5	(\$30,346)	(\$45,360)	(\$20,827)
41	Proration Adjustment		8 - Line 40	(\$30,346) \$2,453	(\$45,360) \$3,666	(\$20,827) \$1,683

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 Power Sector Transformation (PST) Electric Transportation Initiative Annual Revenue Requirement Summary

Line <u>No.</u>			Rate Year Ending <u>August 31, 2019</u> (a)	Rate Year Ending <u>August 31, 2020</u> (b)	Rate Year Ending <u>August 31, 2021</u> (c)	Rate Year Ending <u>August 31, 2022</u> (d)
1 2 3 4 5 6	Operation and Maintenance (O&M) Expenses: Offpeak Charging Rebate Discount Pilot for DC Fast Charging Customer Fleet Advisory Services Charging Demonstration Marketing Initiative Evaluation Total O&M costs	Sum of Lines 1 through 5	\$218,763 \$13,413 \$51,050 \$66,118 \$21,077 <u>\$6,775</u> \$377,195	\$178,209 \$21,694 \$88,659 \$597,437 \$6,834 \$63,461 \$956,294	\$173,879 \$32,118 \$64,075 \$624,187 \$18,000 \$89,000 \$992,259	\$227,567 \$264,488 \$100,000 \$1,074,425 \$18,750 \$30,000 \$1,715,230
7 8 9 10 11 12	Other O&M Expenses and Program Administration Costs: Program Administration Costs - NG Heavy Duty Fleet Lease and O&M Program Administration Costs - Off-Peak Rebate Program Administration Costs - Commercial Rate Discount Program Administration Costs - Evaluation Total Other O&M Expenses and Program Administration Costs	Sum of Lines 8 through 11		\$0	\$0	50
13	Total O&M Costs, Other O&M Costs and Program Administration Costs	Line 6 + Line 12	\$377,195	\$956,294	\$992,259	\$1,715,230
14	Participation Payment Offset					
15	Total Net O&M Expense Component of Revenue Requirement	Line 13 + Line 14	\$377,195	\$956,294	\$992,259	\$1,715,230
16 17 18 19 20	Capital Investment: Actual Revenue Requirement on Rate Year 1 Capital investment Actual Revenue Requirement on Rate Year 2 Capital investment Estimated Revenue Requirement on Rate Year 3 Capital investment Estimated Revenue Requirement on Rate Year 4 Capital investment		\$4,150	\$10,358 \$107,269	\$9,784 \$260,095 \$143,608	\$9,345 \$244,448 \$354,257 \$197,392
21	Total Capital Investment Component of Revenue Requirement	Sum of Lines 17 through 19	\$4,150	\$117,628	\$413,487	\$805,442
22	Total Revenue Requirement	Line 15 + Line 21	\$381,345	\$1,073,921	\$1,405,746	\$2,520,672

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST] Revenue Requirement on Estimated Capital Investment 12 months ending August 31, 20] Electric Transportation Initiativy

		Electric Transportation Initiative				
Line			Rate Year Ending	Rate Year Ending	Rate Year Ending	Rate Year Ending
No.			August 31, 2019	August 31, 2020	August 31, 2021	August 31, 2022
	Estimated Capital Investment		(a)	(b)	(c)	(c)
1	EDC Costs (Make-Ready & Utility-Operated		\$0	\$0	\$0	\$0
2	Premise Work Costs (Make-Ready & Utility-Operated		\$22,000	\$0 \$0		\$0 \$0
3	EVSE Costs (Utility-Operated Charging Program Sites, and Comp	pany Fleet EVSE)	\$0	\$0	\$0	\$0
4 5	Total Capitalized Labor & Tool Costs Total Estimated Capital Investment	Sum of Lines 1 through 4	\$53,204 \$75,204	\$0 \$0		\$0 \$0
5	Total Estimated Capital Investment	Sum of Lines 1 through 4	\$75,204	30	.30	50
	Depreciable Net Capital Included in Rate Base					
6 7	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 5 Line 4 * 0%	\$75,204 \$0	\$0 \$0		\$0 \$0
8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 6 - Line 7; Column (b) = Prior Year Line 6	\$75,204	\$75,204		\$75,204
	Change in Net Capital Included in Rate Base					
9	Capital Included in Rate Base	Line 5	\$75,204	\$0	\$0	\$0
10	Cost of Removal		\$0	\$0	\$0	\$0
11	Total Net Plant in Service Including Cost of Remova	Line 8 + Line 10	\$75,204	\$75,204	\$75,204	\$75,204
	Tax Depreciation					
12	Vintage Year Tax Depreciation:					
13	2020 Spend	Page 3 of 13, Line 21	\$15,041	\$24,065	\$14,439	\$8,664
14	Cumulative Tax Depreciation	Previous Year Line 14 + Current Year Line 13	\$15,041	\$39,106	\$53,545	\$62,209
	Book Depreciation					
15 16	Composite Book Depreciation Rate Book Depreciation	As filed per R.I.P.U.C. Docket No. 4770 Column (a) = Line 1 * Line 15 * 50% ; Column (b) = Line 1 * Line 15	2.50% \$0	2.50% \$0	2.50% \$0	2.50% \$0
17	Cumulative Book Depreciation	Previous Year Line 17 + Current Year Line 16	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
18	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	5.00%	5.00%	5.00%	5.00%
19	Book Depreciation	Column (a) = Line 2 * Line 18 * 50% ; Column (b) = Line 2 * Line 18	\$550	\$1,100	\$1,100	\$1,100
20	Cumulative Book Depreciation	Previous Year Line 20 + Current Year Line 19	\$550	\$1,650	\$2,750	\$3,850
21	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	10.00%	10.00%	10.00%	10.00%
22	Book Depreciation	Column (a) = Line 3 * Line 21 * 50% ; Column (b) = Line 3 * Line 21	\$0	\$0	\$0	\$0
23	Cumulative Book Depreciation	Previous Year Line 23 + Current Year Line 22	\$0	\$0	\$0	\$0
24	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.50%	2.50%	2.50%	2.50%
25 26	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 4 * Line 24 * 50% ; Column (b) = Line 4 * Line 24 Previous Year Line 26 + Current Year Line 25	\$665 \$665	\$1,330 \$1,995	\$1,330 \$3,325	\$1,330 \$4,655
20	Cumulative Book Depreciation			\$1,995	\$3,323	
27	Total Cumulative Book Depreciation	Line 17 + Line 20 + Line 23 + Line 26	\$1,215	\$3,645	\$6,075	\$8,505
28	Deferred Tax Calculation: Cumulative Book / Tax Timer	Line 14 - Line 27	\$13,826	\$35,461	\$47,470	\$53,704
28	Effective Tax Rate	Line 14 - Line 27	21.00%	21.00%	21.00%	21.00%
30	Deferred Tax Reserve	Line 28 * Line 29	\$2,903	\$7,447	\$9,969	\$11,278
31	Less: FY 2020 Federal NOL		\$0	\$0	\$0	\$0
32	Net Deferred Tax Reserve	Sum of Lines 30 through 31	\$2,903	\$7,447	\$9,969	\$11,278
	Rate Base Calculation:					
33 34	Cumulative Incremental Capital Included in Rate Base Accumulated Depreciation	Line 11 - Line 27	\$75,204 (\$1,215)	\$75,204 (\$3,645)	\$75,204 (\$6,075)	\$75,204 (\$8,505)
35	Deferred Tax Reserve	- Line 27	(\$1,213) (\$2,903)	(\$7,447)	(\$9,969)	(\$11,278)
36	Year End Rate Base	Sum of Lines 33 through 35	\$71,086	\$64,112	\$59,160	\$55,421
	Revenue Requirement Calculation:					
		Column (a) = Current Year Line $37 \div 2$; Column (b & c) = (Prior Year Line 26				
37 38	Average Rate Base before Deferred Tax Proration Adjustment Proration Adjustment	+ Current Year Line 26) ÷ 2 Page 4 of 13, Line 41	\$35,543 \$117	\$67,599 \$184	\$61,636 \$102	\$57,290 \$53
39	Average Rate Base after Deferred Tax Proration	Line 37 + Line 38	\$35,660	\$67,782	\$61,738	\$57,343
40	Pre-Tax ROR	1/		8.23%	8.23%	8.23%
41 42	Return and Taxes Book Depreciation	Line 39 * Line 40 Line 16 + Line 19 + Line 22 + Line 25	\$2,935 \$1,215	\$5,578 \$2,430	\$5,081 \$2,430	\$4,719 \$2,430
42	Property Taxes	Tax Rate 3.176% per Dkt 4770 Sch-7 - PY (Line 33 + Line 34)* 3.176%	\$1,215	\$2,430 \$2,350	\$2,430 \$2,273	\$2,430 \$2,196
44	Annual Revenue Requiremen	Line 41 through Line 43	\$4,150	\$10,358	\$9,784	\$9,345
44	ai Acvenae Acquitemell	Line 74 through Line 75	\$4,130	\$10,030	\$7,104	\$7,573

1/ Weighted Average Cost of Capital per R.I.P.U.C. Docket No. 4770, Schedule 1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2019 Capital Investmen Electric Transportation Initiativy

Line No.			Rate Year Ending August 31, 2019 (a)	Rate Year Ending August 31, 2020 (b)	Rate Year Ending August 31, 2021 (c)	Rate Year Ending August 31, 2022 (d)
	Capital Repairs Deduction					
1	Plant Additions	Page 2 of 13, Line 5	\$75,204			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$75,204			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$75,204			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$75,204			
9	Bonus Depreciation Rate	1 * 75% * 0%	0.00%			
10	Bonus Depreciation Rate	1 * 25% * 0%	0.00%			
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%			
12	Bonus Depreciation	Line 8 * Line 11	\$0			
	Remaining Tax Depreciation					
13	Plant Additions	Line 1	\$75,204			
14	Less Capital Repairs Deduction	Line 3	\$0			
15	Less Bonus Depreciatior	Line 12	\$0			
16	Remaining Plant Additions Subject to 5 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$75,204	\$75,204	\$75,204	\$75,204
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.00%	32.00%	19.20%	11.52%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$15,041	\$24,065	\$14,439	\$8,664
19	FY20 Loss incurred due to retirement:	Per Tax Department	\$0			
20	Cost of Removal	Page 2 of 13, Line 10	\$0			
		Sum of Lines 3, 12, 18, 19,				
21	Total Tax Depreciation and Repairs Deduction	and 20	\$15,041	\$24,065	\$14,439	\$8,664

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-4 Page 4 of 13

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2019 Net Deferred Tax Reserve Proration

Electric Transportation Initiative

Line	Defensed Tay Subject to Decention			(a) RY19	(b) RY20	(c) RY21	(d) RY22
No.	Deferred Tax Subject to Proration						
1	Book Depreciation	Page 2 of 13	, Line 16, 19, 22,25	\$1,215	\$2,430	\$2,430	\$2,430
2	Bonus Depreciation		3, Line 12, Col (a)	\$0			
3	Remaining MACRS Tax Depreciation		6, Line 18, Col (a)	(\$15,041)	(\$24,065)	(\$14,439)	(\$8,664)
4	FY22 tax (gain)/loss on retirements		6, Line 19, Col (a)	\$0	\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of L	ines 1 through 4	(\$13,826)	(\$21,635)	(\$12,009)	(\$6,234)
6	Effective Tax Rate			21%	21%	21%	21%
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	(\$2,903)	(\$4,543)	(\$2,522)	(\$1,309)
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction	- Page 3 of	16, Line 3, Col (a)	\$0			
9	Cost of Removal	- Page 3 of 1	6, Line 20, Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + 1	Line 9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line	11 × Line 12	\$0			
14	Total Deferred Tax Reserve		7 + Line 13	(\$2,903)	(\$4,543)	(\$2,522)	(\$1,309)
15	Net Operating Loss		of 13, Line 31	\$0			
16	Net Deferred Tax Reserve	Line	14 + Line 15	(\$2,903)	(\$4,543)	(\$2,522)	(\$1,309)
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	(\$13,826)			
18	Cumulative Book/Tax Timer Not Subject to Proration]	Line 15	\$0			
19	Total Cumulative Book/Tax Timer	Line	17 + Line 18	(\$13,826)			
20	Total FY 2022 Federal NOL	- Page 15 of 25	Line 17 ,Col (a)÷21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration		Line 19) \times Line 20	+ -			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ I	Line 19) \times Line 20				
23	Effective Tax Rate		,	21%			
24	Deferred Tax Benefit subject to proration	Line	22 × Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	(\$2,903)	(\$4,543)	(\$2,522)	(\$1,309)
		(h) Number of Days i	(i)	(j)	(k)	(k)	(k)
	Proration Calculation	Month	Proration Percentage	RY19	RY20	RY21	RY22
26	September	30	91.78%	(\$222)	(\$347)	(\$193)	(\$100)
27	October	31	83.29%	(\$202)	(\$315)	(\$175)	(\$91)
28	November	30	75.07%	(\$182)	(\$284)	(\$158)	(\$82)
29	December	31	66.58%	(\$161)	(\$252)	(\$140)	(\$73)
30	January	31	58.08%	(\$141)	(\$220)	(\$122)	(\$63)
31	February	28	50.41%	(\$122)	(\$191)	(\$106)	(\$55)
32	March	31	41.92%	(\$101)	(\$159)	(\$88)	(\$46)
33	April	30	33.70%	(\$82)	(\$128)	(\$71)	(\$37)
34	May	31	25.21%	(\$61)	(\$95)	(\$53)	(\$27)
35	June	30	16.99%	(\$41)	(\$64)	(\$36)	(\$19)
36	July	31	8.49%	(\$21)	(\$32)	(\$18)	(\$9)
37 38	August Total	31 365	0.00%	\$0 (\$1,334)	\$0 (\$2,088)	\$0 (\$1,159)	\$0 (\$602)
38	10(a)	303		(\$1,334)	(\$2,088)	(\$1,139)	(\$002)
39	Deferred Tax Without Proration	1	Line 25	(\$2,903)	(\$4,543)	(\$2,522)	(\$1,309)
40	Average Deferred Tax without Proration						
			1039×0.5	(\$1,452)	(\$2,272)	(\$1,261)	(\$655)
41	Proration Adjustment	Line	38 - Line 40	\$117	\$184	\$102	\$53

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 Power Sector Transformation (PST) Revenue Requirement on Estimated Capital Investment 12 months ending August 31, 2020 Electric Transportation Initiative

		-			
Line <u>No.</u>			Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
	Estimated Capital Investment		(a)	(b)	(b)
1	EDC Costs (Make-Ready & Utility-Operated		\$54,407		
2	Premise Work Costs (Make-Ready & Utility-Operated		\$1,563,671		
3 4	EVSE Costs (Utility-Operated Only) Total Capitalized Labor & Tool Cost:		\$0 \$93,032		
5	Total Estimated Capital Investment	Line 1 + Line 4	\$1,711,110	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
6 7	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 5 Line 4 * 0%	\$1,711,110 \$0	\$0 \$0	\$0 \$0
8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$1,711,110	\$1,711,110	\$1,711,110
	Change in Net Capital Included in Rate Base				
9	Capital Included in Rate Base	Line 5	\$1,711,110	\$0	\$0
10	Cost of Removal	Section 2, Page 27 of 27, Chart 11	\$0	\$0	\$0
11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$1,711,110	\$1,711,110	\$1,711,110
	Tax Depreciation				
12 13	Vintage Year Tax Depreciation: 2021 Spend	Page 6 of 13, Line 21	\$342,222	\$547,555	\$328,533
14	Cumulative Tax Depreciation	Previous Year Line 14 + Current Year Line 13	\$342,222	\$889,777	\$1,218,310
	Book Depreciation				
15	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.50%	2.50%	2.50%
16 17	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 1 * Line 15 * 50% ; Column (b) = Line 1 * Line 15 Previous Year Line 17 + Current Year Line 16	\$680 \$680	\$1,360 \$2,040	\$1,360 \$3,400
17	Cumulative Book Depreciation	revious real Entern - Current real Enterio	\$080	\$2,040	35,400
18	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	5.00%	5.00%	5.00%
19 20	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 2 * Line 18 * 50% ; Column (b) = Line 2 * Line 18 Previous Year Line 20 + Current Year Line 19	\$39,092 \$39,092	\$78,184 \$117,275	\$78,184 \$195,459
21	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	10.00%	10.00%	10.00%
22	Book Depreciation	Column (a) = Line 3 * Line 21 * 50% ; Column (b) = Line 3 * Line 21	\$0	\$0	\$0
23	Cumulative Book Depreciation	Previous Year Line 23 + Current Year Line 22	\$0	\$0	\$0
24	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.50%	2.50%	2.50%
25 26	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 4 * Line 26 * 50% ; Column (b) = Line 4 * Line 26 Previous Year Line 26 + Current Year Line 25	\$1,163 \$1,163	\$2,326 \$3,489	\$2,326 \$5,815
27	Total Cumulative Book Depreciation	Line 17 + Line 20 + Line 23 + Line 26	\$40,935	\$122,804	\$204,674
28	Deferred Tax Calculation: Cumulative Book / Tax Timer	Line 14 - Line 17	\$301,287	\$766,973	\$1,013,636
20	Effective Tax Rate		21.00%	21.00%	21.00%
30	Deferred Tax Reserve	Line 28 * Line 29	\$63,270	\$161,064	\$212,864
31 32	Less: FY 2021 Federal NOL Net Deferred Tax Reserve	Sum of Lines 30 through 31	\$0 \$63,270	\$0 \$161,064	\$0 \$212,864
	Rate Base Calculation:				
33	Cumulative Incremental Capital Included in Rate Base	Line 11	\$1,711,110	\$ 1,711,110	\$ 1,711,110
34	Accumulated Depreciation	- Line 27	(\$40,935)	(\$122,804)	(\$204,674)
35	Deferred Tax Reserve	- Line 32	(\$63,270)	(\$161,064)	(\$212,864)
36	Year End Rate Base	Sum of Lines 33 through 35	\$1,606,905	\$1,427,241	\$1,293,573
	Revenue Requirement Calculation:	Column (a) = Current Year Line 37 ÷ 2; Column (b) = (Prior Year Line 37 +			
37	Average Rate Base before Deferred Tax Proration Adjustment	Current Year Line $37 \div 2$, Column (b) – (Filor Fear Line $37 \div 2$	\$803,452.46	\$1,517,073	\$1,360,407
38	Proration Adjustment	Page 7 of 13, Line 41	\$2,557	\$3,952	\$2,093
39 40	Average Rate Base after Deferred Tax Proratior Pre-Tax ROR	Line 37 + Line 38	\$806,009 8.23%	\$1,521,025 8.23%	\$1,362,500 8.23%
40	Return and Taxes	Line 39 * Line 40	\$66,335	\$125,180	\$112,134
42	Book Depreciation	Line 16 + Line 19 + Line 22 + Line 25	\$40,935	\$81,870	\$81,870
43	Property Taxes	Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176%	\$0	\$53,045	\$50,445
44	Annual Revenue Requirement	Line 37 through Line 43	\$107,269	\$260,095	\$244,448

1/ Weighted Average Cost of Capital per R.I.P.U.C. Docket No. 4770, Schedule 1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2020 Capital Investments Electric Transportation Initiative

Line No.			Rate Year Ending August 31, 2020 (a)	Rate Year Ending August 31, 2021 (b)	Rate Year Ending August 31, 2022 (b)
<u>INO.</u>	Capital Repairs Deduction		(a)	(0)	(0)
1	Plant Additions	Page 5 of 13, Line 5	\$1,711,110		
1					
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Denne Denne infer				
4	Bonus Depreciation Plant Additions	Line 1	\$1,711,110		
4		Line 1 Line 3			
5	Less Capital Repairs Deduction	Line 3 Line 4 - Line 5	\$0		
6	Plant Additions Net of Capital Repairs Deduction		\$1,711,110		
./	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$1,711,110		
9	Bonus Depreciation Rate	0%	0.00%		
10	Bonus Depreciation Rate	0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$1,711,110		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 5 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$1,711,110	\$1,711,110	\$1,711,110
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.00%	32.00%	19.20%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$342,222	\$547,555	\$328,533
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 5 of 13, Line 10	\$0 \$0	\$0 \$0	\$0 \$0
20	COSt OF REIHOVAL	r age 5 01 15, Lille 10	\$0	20	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$342,222	\$547,555	\$328,533
21	total fax Depreciation and Repairs Deduction	Sum of Lines 5, 12, 16, 19, and 20	\$342,222	\$347,555	\$326,333

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-4 Page 7 of 13

(b)

(c)

(a)

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2020 Net Deferred Tax Reserve Proration

Electric Transportation Initiative

Line				RY20	RY21	RY22
No.	Deferred Tax Subject to Proration			K120	R121	11122
1	Book Depreciation	, Line 16	5, 19, 22,25	\$40,935	\$81,870	\$81,870
2	Bonus Depreciation	- Page 6 of 13	, Line 3, Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 6 of 16	, Line 18, Col (a)	(\$342,222)	(\$547,555)	(\$328,533)
4	FY22 tax (gain)/loss on retirements	- Page 6. of 16	, Line 19, Col (a)	\$0	\$0	\$0
5	Cumulative Book / Tax Timer		es 1 through 4	(\$301,287)	(\$465,685)	(\$246,663)
6	Effective Tax Rate		Ū.	21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	(\$63,270)	(\$97,794)	(\$51,799)
	Defensed Terry Med Colding to the Decention					
8	Deferred Tax Not Subject to Proration Capital Repairs Deduction	Deers 6 of 16	, Line 3, Col (a)	\$0		
9	Cost of Removal	0	, Line 3, Col (a)	\$0 \$0		
10		- Page 6 01 16	, Line 20, Col (a)	\$0		
	Book/Tax Depreciation Timing Difference at 3/31/2022	Line Q Li	ne 9 + Line 10	¢0		
11	Cumulative Book / Tax Timer	Line δ + Li	he 9 + Line 10	\$0		
12	Effective Tax Rate	T · 11	10	21%		
13	Deferred Tax Reserve	Line 11	× Line 12	\$0		
14	Total Deferred Tax Reserve	Line 7	+ Line 13	(\$63,270)	(\$97,794)	(\$51,799)
15	Net Operating Loss	Page 5 of	13, Line 31	\$0		
16	Net Deferred Tax Reserve	Line 14	+ Line 15	(\$63,270)	(\$97,794)	(\$51,799)
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration		ine 5	(\$301,287)		
18	Cumulative Book/Tax Timer Not Subject to Proration		ne 15	\$0		
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	(\$301,287)		
20	Total FY 2022 Federal NOL	Page 5 of	13, Line 31	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ne 19) \times Line 20	\$ 0		
21	Allocated FY 2021 Federal NOL Subject to Protation		ne 19) × Line 20			
23	Effective Tax Rate	(Line 17 · Li	le 19) × Enie 20	21%		
23	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0		
24	Deterred Tax Benefit subject to protation	Elite 22	A Line 25	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	(\$63,270)	(\$97,794)	(\$51,799)
		(h)	(i)	(j)	(k)	(k)
		Number of Days in		67	()	
	Proration Calculation	Month	Proration Percentage	RY20	RY21	RY22
26	September	30	91.78%	(\$4,839)	(\$7,480)	(\$3,962)
27	October	31	83.29%	(\$4,391)	(\$6,788)	(\$3,595)
28	November	30	75.07%	(\$3,958)	(\$6,118)	(\$3,240)
29	December	31	66.58%	(\$3,510)	(\$5,426)	(\$2,874)
30	January	31	58.08%	(\$3,062)	(\$4,733)	(\$2,507)
31	February	28	50.41%	(\$2,658)	(\$4,108)	(\$2,176)
32	March	31	41.92%	(\$2,210)	(\$3,416)	(\$1,809)
33	April	30	33.70%	(\$1,777)	(\$2,746)	(\$1,455)
34	May	31	25.21%	(\$1,329)	(\$2,054)	(\$1,088)
35	June	30	16.99%	(\$896)	(\$1,384)	(\$733)
36	July	30	8.49%			
36 37	-	31	8.49% 0.00%	(\$448) \$0	(\$692) \$0	(\$367)
	August		0.00%			\$0
38	Total	365		(\$29,078)	(\$44,945)	(\$23,806)
39	Deferred Tax Without Proration	Li	ne 25	(\$63,270)	(\$97,794)	(\$51,799)
40	Average Deferred Tax without Proration				· · /	
-	5	Line	39 × 0.5	(\$31,635)	(\$48,897)	(\$25,900)
41	Proration Adjustment		3 - Line 40	\$2,557	\$3,952	\$2,093
	-			-	-	-

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 Power Sector Transformation (PST) Revenue Requirement on Estimated Capital Investment 12 months ending August 31, 2021 Electric Transportation Initiative

Line <u>No.</u>			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (a)
	Estimated Capital Investment		(u)	(4)
1 2 3	EDC Costs (Make-Ready & Utility-Operated) Premise Work Costs (Make-Ready & Utility-Operated) EVSE Costs (Utility-Operated Only)		\$323,035 \$1,835,133 \$0	
4	Total Capitalized Labor & Tool Costs		\$193,032	
5	Total Estimated Capital Investment	Line 1 + Line 4	\$2,351,200	\$2,351,200
6	Depreciable Net Capital Included in Rate Base Total Allowed Capital Included in Rate Base in Current Year	Line 5	\$2,351,200	\$2,351,200
7	Retirements	Line 4 * 0%	\$0	\$0
8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$2,351,200	\$2,351,200
9	Change in Net Capital Included in Rate Base Capital Included in Rate Base	Line 5	\$2,351,200	\$2,351,200
10	Cost of Removal	Section 2, Page 27 of 27, Chart 11	\$0	\$0
11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$2,351,200	\$2,351,200
	Tax Depreciation			
12	Vintage Year Tax Depreciation:			
13	2022 Spend	Page 9 of 13, Line 21	\$470,240	\$752,384
14	Cumulative Tax Depreciation	Previous Year Line 14 + Current Year Line 13	\$470,240	\$752,384
15	Book Depreciation Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.50%	2.50%
16	Book Depreciation	Column (a) = Line 1* Line 15 * 50%	\$4,038	\$8,076
17	Cumulative Book Depreciation	Previous Year Line 17 + Current Year Line 16	\$4,038	\$12,114
18	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	5.00%	5.00%
19	Book Depreciation	Column (a) = Line 2 * Line 18 * 50% Previous Year Line 20 + Current Year Line 19	\$45,878	\$91,757
20	Cumulative Book Depreciation		\$45,878	\$137,635
21 22	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	10.00% \$0	10.00%
22	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 3 * Line 21 * 50% Previous Year Line 23 + Current Year Line 22	\$0 \$0	\$0 \$0
24	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.50%	2.50%
25	Book Depreciation	Column (a) = Line 4 * Line 24 * 50%	\$2,413	\$4,826
26	Cumulative Book Depreciation	Previous Year Line 26 + Current Year Line 25	\$2,413	\$7,239
27	Total Cumulative Book Depreciation	Line 17 + Line 20 + Line 23 + Line 26	\$52,329	\$156,987
20	Deferred Tax Calculation: Cumulative Book / Tax Timer	Line 14 - Line 27	6417 011	\$505 20 7
28 29	Effective Tax Rate	Line 14 - Line 27	\$417,911 21.00%	\$595,397 21.00%
30	Deferred Tax Reserve	Line 28 * Line 29	\$87,761	\$125,033
31	Less: FY 2022 Federal NOL		-	-
32	Net Deferred Tax Reserve	Sum of Lines 30 through 31	\$87,761	\$125,033
22	Rate Base Calculation:	Line 11	00.001.000	PO 251 200
33 34	Cumulative Incremental Capital Included in Rate Base Accumulated Depreciation	Line 11 - Line 27	\$2,351,200 (\$52,329)	\$2,351,200 (\$156,987)
35	Deferred Tax Reserve	- Line 32	(\$87,761)	(\$125,033)
36	Year End Rate Base	Sum of Lines 33 through 35	\$2,211,110	\$2,069,179
27	Revenue Requirement Calculation:		Ø1 107 777	Ø0 140 144
37 38	Average Rate Base before Deferred Tax Proration Adjustment Proration Adjustment	Column (a) = Current Year Line 27 ÷ 2 Page 10 of 13, Line 41	\$1,105,555 \$3,547	\$2,140,144 \$5,497
39	Average Rate Base after Deferred Tax Proration	Line 37 + Line 38	\$1,109,101	\$2,145,641
40	Pre-Tax ROR	1/	8.23%	8.23%
41	Return and Taxes	Line 39 * Line 40	\$91,279	\$176,586
42 43	Book Depreciation Property Taxes	Line 16 + Line 19 + Line 22 + Line 25 Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176%	\$52,329 \$0	\$104,658 \$73,012
44	Annual Revenue Requirement	Line 41 through Line 43	\$143,608	\$354,257
44	Annual Revenue Requirement	Enter 41 through Enter 45	\$175,000	\$55 - 5257

1/ Weighted Average Cost of Capital per R.I.P.U.C. Docket No. 4770, Schedule 1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%	0.00%	2.23%
Short Term Debt	0.60%	1.76%	0.01%	0.00%	0.01%
Preferred Stock	0.10%	4.50%	0.00%	0.00%	0.00%
Common Equity	50.95%	9.28%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2021 Capital Investments Electric Transportation Initiative

Line No.			Rate Year Ending August 31, 2021 (a)	
	Capital Repairs Deduction			
1	Plant Additions	Page 8 of 13, Line 5	\$2,351,200	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$2,351,200	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$2,351,200	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$2,351,200	
9	Bonus Depreciation Rate	0%	0.00%	
10	Bonus Depreciation Rate	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$2,351,200	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$2,351,200	\$2,351,200
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.000%	32.000%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$470,240	\$752,384
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 8 of 13, Line 10	\$0	\$0
		Sum of Lines 3, 12, 18, 19, and		
21	Total Tax Depreciation and Repairs Deduction	20	\$470,240	\$752,384

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-4 Page 10 of 13

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2021 Net Deferred Tax Reserve Proration

Electric Transportation Initiative

Line No.	Deferred Tax Subject to Proration			(a) RY21	(b) RY22
INU.	Deferred Tax Subject to Frontation				
1	Book Depreciation	, Line	16, 19, 22,25	\$52,329	\$104,658
2	Bonus Depreciation		13, Line 3, Col (a)	\$0	
3	Remaining MACRS Tax Depreciation		16, Line 18, Col (a)	(\$470,240)	(\$752,384)
4	FY22 tax (gain)/loss on retirements		16, Line 19, Col (a)	\$0	\$0
5 6	Cumulative Book / Tax Timer Effective Tax Rate	Sum of I	Lines 1 through 4	(\$417,911)	(\$647,726) 21%
6 7	Deferred Tax Reserve	Lin	e 5 × Line 6	21% (\$87,761)	(\$136,022)
8	Deferred Tax Not Subject to Proration Capital Repairs Deduction	Daga 0 of	16, Line 3, Col (a)	\$0	
9	Cost of Removal		16, Line 20, Col (a)	\$0 \$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022	- 1 age 9 01	10, Ellie 20, Col (a)	30	
11	Cumulative Book / Tax Timer	Line 8 +	Line 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line	11 × Line 12	\$0	
14	Total Deferred Tax Reserve	Line	e 7 + Line 13	(\$87,761)	(\$136,022)
15	Net Operating Loss		Line 31	-	(+)
16	Net Deferred Tax Reserve	Line	14 + Line 15	(\$87,761)	(\$136,022)
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	(\$417,911)	
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 15	\$0	
19	Total Cumulative Book/Tax Timer	Line	17 + Line 18	(\$417,911)	
20	Total FY 2022 Federal NOL		, Line 31	\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration		Line 19) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷	Line 19) × Line 20		
23	Effective Tax Rate	. ·	22	21%	
24	Deferred Tax Benefit subject to proration	Line	22 × Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line	e 7 + Line 24	(\$87,761)	(\$136,022)
		(h)	(i)	(j)	(k)
		Number of Days			
24	Proration Calculation	Month	Proration Percentage	RY21	RY22
26 27	September October	30 31	91.78% 83.29%	(\$6,712) (\$6,091)	(\$10,404) (\$9,441)
27	November	30	75.07%	(\$5,490)	(\$9,441) (\$8,509)
29	December	31	66.58%	(\$4,869)	(\$7,546)
30	January	31	58.08%	(\$4,248)	(\$6,584)
31	February	28	50.41%	(\$3,687)	(\$5,714)
32	March	31	41.92%	(\$3,066)	(\$4,751)
33	April	30	33.70%	(\$2,465)	(\$3,820)
34	May	31	25.21%	(\$1,843)	(\$2,857)
35	June	30	16.99%	(\$1,242)	(\$1,925)
36	July	31	8.49%	(\$621)	(\$963)
37	August	31	0.00%	\$0	\$0
38	Total	365		(\$40,334)	(\$62,514)
39	Deferred Tax Without Proration		Line 25	(\$87,761)	(\$136,022)
40	Average Deferred Tax without Proration	• •	20	(0.42,001)	(0.0.011)
41	Proration Adjustment		ne 39 × 0.5 38 - Line 40	(\$43,881) \$3,547	(\$68,011) \$5,497

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 Power Sector Transformation (PST) Revenue Requirement on Estimated Capital Investment 12 months ending August 31, 2021 Electric Transportation Initiative

Limited Capital Instants Number of the second A share Karly & Unity Operated) S234.480 1 Eventers Wite Cosin Maker Karly & Unity Operated) S234.480 1 Eventers Wite Cosin Maker Karly & Unity Operated) S234.480 1 Eventers Wite Cosin Maker Karly & Unity Operated) S234.480 1 Total Capitalized Labor & Total Capital Included in Rate Base Column (a) = Unit + 1. Unit + 2. Unit	Line <u>No.</u>			Rate Year Ending August 31, 2022 (a)	Rate Year Ending August 31, 2023 (a)
2 Pennise Work Case (Make-Ready & Cility-Operated) 30 4 Total Capitalized Look 7. Fool Coso 30 5 Total Capitalized Look 7. Fool Coso 30 6 Total Capitalized Look 7. Fool Coso 30 7 Total Capital Included in Rate Base Column (a) = Line 4 - Line 4 53.186.615 7 Capital Included in Rate Base Column (a) = Line 4 - Line 5 53.186.615 53.186.615 7 Capital Included in Rate Base Line 5 53.186.615 53.186.615 7 Total Net Plant In Service Including Cont of Removal Line 8 + Line 19 53.3186.615 53.186.615 7 Total Net Plant In Service Including Cont of Removal Line 8 + Line 19 53.73.23 51.00.717 7 Composite Book Depreciation Previous Y and In 1 + Current Y and In 1 + Service Including Cont of Removal Sapproved per R.I.P.U.C. Docket No. 4770		Estimated Capital Investment		(a)	(a)
5 Total Estimated Capital Investment Line 1 + Line 4 \$3,186,615 \$3,186,615 \$3,186,615 Depreciable Net Capital Included in Rate Base Line 5 Line 5 \$3,186,615 <	2 3	Premise Work Costs (Make-Ready & Utility-Operated) EVSE Costs (Utility-Operated Only)		\$2,715,390 \$0	
6 Total Allowed Capital Included in Rate Base in Current Year Line 5 \$3,186,615 \$3,186,615 \$3,186,615 \$3,186,615 \$3,186,615 9 Change in Net Operceable Capital Included in Rate Base Column (a) = Line 4 - Units From (b) = Prior Year Line 6 \$3,186,615			Line 1 + Line 4		\$3,186,615
7 Retinement Line 4 · 0% S0 S0 S0 8 Net Operchole Capital Included in Rate Base: Column (a) – Line 4 · Line 5, Column (b) – Prior Year Line 6 \$31,186,615 \$33,186,615 9 Capital Included in Rate Base: Line 5 \$31,186,615 \$33,186,615 10 Cost of Removal Section 2, Page 27 of 27, Chart 11 \$0 \$9 11 Tata Depreciation Section 2, Page 27 of 27, Chart 11 \$0 \$9 12 Vintage Year Tax Depreciation Page 9 of 13, Line 21 \$637,523 \$1019,717 12 Camulative Tax Depreciation Page 9 of 13, Line 21 \$637,523 \$1019,717 13 202 Spend Page 9 of 13, Line 21 \$637,523 \$1019,717 14 Camulative Tax Depreciation Previous Year Line 14 - Current Year Line 13 \$637,523 \$1019,717 15 Genepoticin Book Depreciation Column (a) - Line 4 - Line 14 - Current Year Line 13 \$637,523 \$1019,777 16 Compositie Book Depreciation Previous Year Line 14 - Current Year Line 16 \$4,181 \$512,643 17 Camulative Book Depreciation Previous Year Line 17 + Current Year Line 16 <t< td=""><td>6</td><td></td><td>Line 5</td><td>\$3,186,615</td><td>\$3,186,615</td></t<>	6		Line 5	\$3,186,615	\$3,186,615
Change in Net Capital Included in Rate Base Line 5 S3,186,615 S3,186,615 0 Cost of Removal Section 2, Page 27 of 27, Chart 11 50 53 10 Cost of Removal Line 8 + Line 10 S3,186,615 S3,186,615 S3,186,615 11 Tack Depreciation Line 8 + Line 10 S3,186,615 S3,186,615 S3,186,615 12 Viringe Year Yan Depreciation Page 9 of 13, Line 21 S637,223 S1,109,717 13 Depreciation Page 9 of 13, Line 14 + Current Year Line 13 S637,223 S1,09,717 16 Composite Book Depreciation Rate Asapproved per R 1.PU LC Docket No.4770 2.90% 2.90% 17 Composite Book Depreciation Previous Year Line 17 + Current Year Line 16 S41,181 S12,543 18 Composite Book Depreciation Column 4,1 Line 3 + 100 S0,785 S13,770 19 Book Depreciation Column 4,1 Line 3 + 100 S0,785 S13,770 20 Camposite Book Depreciation Previous Year Line 20 + Current Year Line 19 S67,855 S13,700 21 Composite Boo				\$0	\$0
9 Capital Included in Rate Base Line 5 \$3,186,615 \$3,186,615 10 Cost of Removal Section 2, Page 27 of 27, Chart 11 \$0 \$5 11 Tata Depreciation S3,186,615 \$3,186,615 \$3,186,615 \$3,186,615 12 Viringe Year Tax Depreciation: 2023 Speed Page 9 of 13, Line 21 \$637,223 \$1,097,77 13 Consolite Rook Depreciation Previous Year Line 14 + Current Year Line 13 \$637,323 \$51,097,77 14 Composite Rook Depreciation As approved per R.I.P.U.C. Docket No. 4770 \$2,59% \$2,50% 16 Book Depreciation Composite Rook Depreciation Composite Rook Depreciation \$3,88,58 18 Composite Book Depreciation Column (a) = Line 14 - Line 15* 50% \$67,835 \$3135,775 19 Book Depreciation Column (a) = Line 2* Line 18* 50% \$67,835 \$3135,661 20 Composite Book Depreciation Column (a) = Line 1* Line 15* 50% \$67,835 \$3135,775 21 Composite Book Depreciation Column (a) = Line 3* Line (a) = Line 3* Line (a) = Line 3* Line 23* Line 24* 50% \$31,845,415	8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$3,186,615	\$3,186,615
Interfact Net Plant in Service Including Cost of RemovalLine 8 + Line 10\$33,186,615\$33,186,615InterfactorTax DepreciationVintage Year Tax DepreciationPage 9 of 13, Line 21\$637,323\$1,019,717InterfactorPrevious Year Line 14 + Current Year Line 13\$637,323\$1,019,717InterfactorDepreciationPrevious Year Line 14 + Current Year Line 13\$637,323\$1,019,717InterfactorDepreciationAs approved per R.I.P.U.C. Docket No. 47702,50%2,50%16Book DepreciationColumnt (a) - Line 1 + Line 15 * 50%\$4,181\$13,254317Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770\$50%%\$50018Composite Book DepreciationColumnt (a) - Line 3 + Line 18 * 50%\$67,885\$203,56419Book DepreciationRateAs approved per R.I.P.U.C. Docket No. 4770\$50%%\$5020Camulative Book DepreciationColumnt (a) - Line 3 + Line 21 * 50%\$50\$5021Composite Book DepreciationPrevious Year Line 21 * Current Year Line 19\$67,885\$203,56422Composite Book DepreciationColumn (a) - Line 3 + Line 21 * Current Year Line 22\$0\$023Composite Book DepreciationColumn (a) - Line 3 + Line 21 * Current Year Line 22\$0\$024Composite Book DepreciationLine 17 + Line 24 * Current Year Line 25\$1,709\$3,14525Composite Book DepreciationLine 17 + Line 24 * Current Year Line 25\$1,709\$3,145 </td <td>9</td> <td></td> <td>Line 5</td> <td>\$3,186,615</td> <td>\$3,186,615</td>	9		Line 5	\$3,186,615	\$3,186,615
Interpretation 12 Vintage Year Tax Depreciation: 13 2022 Spend 14 Cumulative Tax Depreciation 15 Composite Book Depreciation 16 Depreciation 17 Depreciation 18 Composite Book Depreciation Rate 16 Composite Book Depreciation Rate 17 Comulative Book Depreciation Rate 18 Composite Book Depreciation Rate 19 Book Depreciation 19 Book Depreciation 10 Composite Book Depreciation Rate 10 Composite Book Depreciation Rate 11 Composite Book Depreciation Rate 12 Composite Book Depreciation Rate 13 Composite Book Depreciation Rate 14 Composite Book Depreciation Rate 15 Composite Book Depreciation Rate 16 Composite Book Depreciation Rate 17 Composite Book Depreciation Rate 16 Composite Book Depreciation Rate 17 Composite Book Depreciation 18 Composite Boo	10	Cost of Removal	Section 2, Page 27 of 27, Chart 11	\$0	\$0
12Vintage Yaer Tax Depreciation: Page 9 of 13, Line 21Sci37,23S1(0)9/17132022 SpendPage 9 of 13, Line 21Sci37,23S1(0)9/1714Cumulative Tax DepreciationPrevious Year Line 14 + Current Year Line 13Sci37,23S1(0)9/1715Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 47702.50%2.50%16Book DepreciationPrevious Year Line 17 + Current Year Line 16S4.181S1.254317Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 47705.00%S.00%18Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770S.07,885S13.577619Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 477010.00%10.00%20Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 477010.00%10.00%21Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 47702.50%2.50%23Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 47702.50%2.50%24Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 47702.50%3.34925Composite Book DepreciationLine 17 + Line 20 + Line 23S1,709S3,14826Composite Book DepreciationLine 17 + Line 20 + Line 23S1,709S3,14927Total Cumulative Book DepreciationLine 17 + Line 20 + Line 23S1,709S3,14928Enterred Tax Reserve <t< td=""><td>11</td><td>Total Net Plant in Service Including Cost of Removal</td><td>Line 8 + Line 10</td><td>\$3,186,615</td><td>\$3,186,615</td></t<>	11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$3,186,615	\$3,186,615
132022 SpendPage 9 of 13, Line 215637,323 $$1,019,717$ 14Cumulative Tax DepreciationPrevious Year Line 14 + Current Year Line 13 $$5637,323$ $$1,019,717$ 15Composite Book DepreciationComposite Book Depreciation $$2,59\%$ $$2,59\%$ 16Book DepreciationColumn (a) = Line 15 * 50% $$4,181$ $$81,862$ 17Camulative Book DepreciationColumn (a) = Line 1 * Line 15 * 50% $$4,181$ $$81,362$ 18Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770 $$0,00\%$ $$0,00\%$ 19Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770 $$0,00\%$ $$0,00\%$ 10Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770 $$0,00\%$ $$0,00\%$ 20Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770 $$0,00\%$ $$0,00\%$ 21Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770 $$0,00\%$ $$0,00\%$ 22Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770 $$2,00\%$ $$3,419$ 23Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 4770 $$2,00\%$ $$3,419$ 24Composite Book DepreciationLine 17 + Line 20 + Line 23 + Line 24 $$1,00\%$ $$3,149$ 25Defered Tax Calculation:Line 17 + Line 20 + Line 23 + Line 26 $$118,345$ $$167,602$ 25Not Defered Tax ReserveLine 18 + Line 11 $$31,86,615$ $$21,924,505$ 26No		Tax Depreciation			
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Book Depreciation Composite Book Depreciation State 15 Composite Book Depreciation Column (a) - Line 1* Line 15* 50% St.181 St.35.4 16 Book Depreciation Previous Year Line 17 + Current Year Line 16 St.181 St.25.4 17 Cumulative Book Depreciation Previous Year Line 17 + Current Year Line 16 St.181 St.25.4 18 Composite Book Depreciation Column (a) - Line 2* Line 18* 50% St.7855 St.203.654 20 Cumulative Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 St.067,885 St.203.654 21 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 10.00% 10.00% 22 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.50%, 2.50% 2.50% 23 Cumulative Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.50%, 2.50%, 2.50% 2.50% 24 Composite Book Depreciation Culum (a) - Line 4* Line 24* 50% (S.1.70%, 53.419 53.419 25 Edification Rate As approved per R.I.P.U.C. Docket No. 4770 2.50%, 2.50%, 2.50%					\$1,019,717
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16Book DepreciationColumn (a) = Line 11 ten 15 \pm 50%54,181\$33,36217Cumulative Book DepreciationPrevious Year Line 17 + Current Year Line 16\$4,181\$12,54318Composite Book DepreciationColumn (a) = Line 2 + Line 18 \pm 50%\$60,7885\$135,77020Cumulative Book DepreciationPrevious Year Line 27 + Line 18 \pm 50%\$67,885\$220,65421Composite Book DepreciationColumn (a) = Line 2 + Line 18 \pm 50%\$0\$5022Composite Book DepreciationColumn (a) = Line 2 + Line 18 \pm 50%\$0\$023Cumulative Book DepreciationColumn (a) = Line 2 + S0%\$0\$024Composite Book DepreciationColumn (a) = Line 2 + S0%\$0\$025Book DepreciationColumn (a) = Line 2 + S0%\$1,709\$3,14926Cumulative Book DepreciationColumn (a) = Line 2 + S0%\$1,709\$3,14927Total Cumulative Book DepreciationLine 17 + Line 20 + Line 23 + Line 26\$73,775\$221,32528Deferred Tax Calculation:Line 17 + Line 20 + Line 23 + Line 26\$73,775\$221,32529Effective Tax RateLine 11\$3,186,615\$31,86,61530Deferred Tax ReserveSum of Lines 30 through 31\$118,345\$167,66231Lose, FY 2022 Federal NOL1.11\$3,186,615\$32,193,0032Deferred Tax ReserveSum of Lines 33 through 35\$22,934,495\$22,937,62333Cumulative Derenental Capital Incl	15		As approved per RIPUC Docket No. 4770	2 50%	2 50%
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10Book DepreciationColumn (a) = Line 2 * Line 18 * 50%S67,885S135,77020Cumulative Book DepreciationPrevious Year Line 20 * Current Year Line 19S67,885S203,65421Composite Book DepreciationAs approved per R.I.P.U.C. Docket No. 477010.00%10.00%28Book DepreciationPrevious Year Line 21 * 50%S0S029Book DepreciationPrevious Year Line 23 + Current Year Line 22S0S020Composite Book DepreciationColumn (a) = Line 4 * Line 24 * 50%S1,709S3,41926Cumulative Book DepreciationColumn (a) = Line 4 * Line 24 * 50%S1,709S5,12827Total Cumulative Book DepreciationLine 17 + Line 20 + Line 23 + Line 26S73,775S221,32528Cumulative Book JepreciationLine 17 + Line 20 + Line 23 + Line 26S73,775S221,32529Effective Tax RateLine 14 - Line 27S563,548S798,39220Deferred Tax ReserveLine 28 * Line 29S118,345S167,66221Less: Y 2022 Federal NOLSum of Lines 30 through 31S118,445S167,66230Net Deferred Tax ReserveSum of Lines 30 through 35S2,994,495S2,797,62831Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Line 31 - Line 34S167,66232Year End Rate BaseLine 11S3,186,615S3,186,615S3,186,61533Average Rate Base after Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 22 + Line 25S1,677					\$12,543
20Cumulative Book DepreciationPrevious Year Line 20 + Current Year Line 19\$67,885\$203,65421Composite Book DepreciationAs approved per R.I.P.U.C. Docket No. 477010.00%10.00%22Book DepreciationPrevious Year Line 23 + Line 21 * 50%\$0\$023Cumulative Book DepreciationPrevious Year Line 24 + Line 22\$0\$024Composite Book DepreciationRateAs approved per R.I.P.U.C. Docket No. 4770 2.50% 2.50% 25Book DepreciationColumn (a) = Line 4 * Line 24 * 50%\$1,709\$3,41926Cumulative Book DepreciationPrevious Year Line 26 + Current Year Line 25\$1,709\$5,12827Total Cumulative Book DepreciationLine 17 + Line 20 + Line 23 + Line 26\$73,775\$221,32528Cumulative Book / Tax TimerLine 14 - Line 27\$563,548\$798,39229Effective Tax RateLine 17 + Line 20 + Line 32 + Line 26\$118,345\$1167,66231Less: FV 2022 Federal NOL $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ \$263,548\$798,39232Deferred Tax ReserveLine 28 + Line 29\$118,345\$1167,66233Cumulative Incremental Capital Included in Rate BaseLine 11\$3,186,615\$3,186,61534Accumulated Depreciation -1 Line 32\$118,345\$1167,66235Deferred Tax ReserveLine 11\$3,186,615\$3,186,615\$3,186,61536Year End Rate BaseSum of Lines 32 through 35\$2,2994,495 <td< td=""><td>18</td><td>Composite Book Depreciation Rate</td><td>As approved per R.I.P.U.C. Docket No. 4770</td><td>5.00%</td><td>5.00%</td></td<>	18	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	5.00%	5.00%
21Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 477010.00%10.00%22Book DepreciationColumn (a) = Line 3 + Line 21 + 50%S0S023Cumulative Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 47702.50%2.50%24Composite Book Depreciation RateAs approved per R.I.P.U.C. Docket No. 47702.50%S125Book DepreciationColumn (a) = Line 4 + Line 24 + S0%S1,709S3,14926Cumulative Book DepreciationColumn (a) = Line 4 + Line 24 + Line 25S1,709S3,14927Total Cumulative Book DepreciationLine 17 + Line 20 + Line 23 + Line 26S73,775S221,32528Cumulative Book / Tax TimerLine 14 - Line 27S563,548S798,39229Effective Tax RateLine 12 + Line 28 + Line 29S118,345S167,66231Less: PY 202 Federal NOL32Net Deferred Tax ReserveSum of Lines 30 through 31S118,345S167,66233Cumulative Incremental Capital Included in Rate BaseLine 11S3,186,615S3,186,61534Accumulated Depreciation35Deferred Tax ReserveSum of Lines 33 through 35S2,094,495S2,797,62834Porration AdjustmentColumn (a) = Current Year Line 27 + 2S1,497,247S2,896,06135Porration Rate BaseLine 30 of Line 31 through 35S2,994,495S2,797,62836Yaar Fac Rate Base after Deferred Tax Proration <t< td=""><td></td><td></td><td>Column (a) = Line 2 * Line 18 * 50%</td><td></td><td>\$135,770</td></t<>			Column (a) = Line 2 * Line 18 * 50%		\$135,770
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23Cumulative Book DepreciationPrevious Year Line 23 + Current Year Line 22505024Composite Book Depreciation Rate Book DepreciationAs approved per R.I.P.U.C. Docket No. 4770 Column (a) = Line 4* Line 24* 50% Previous Year Line 24* 50% 2.50% S1,709 2.50% S3,41926Cumulative Book DepreciationPrevious Year Line 26 + Current Year Line 25 $$1,709$ $$3,3419$ S1,70927Total Cumulative Book DepreciationLine 17 + Line 20 + Line 23 + Line 26 $$73,775$ $$5221,325$ Deferred Tax Calculation: Cumulative Book / Tax Timer28Cumulative Book / Tax TimerLine 14 - Line 27 $$5563,548$ $$798,392$ 211.00% 29Effective Tax RateLine 14 - Line 27 $$5563,548$ $$579,8392$ 211.00% 21Less: FY 2022 Federal NOL32Net Deferred Tax ReserveSum of Lines 30 through 31 $$5118,345$ $$5167,662$ 33Cumulative Incremental Capital Included in Rate BaseLine 11 $$31,86,615$ $$33,186,615$ 34Accumulate Depreciation- Line 27 $$573,775$ $$5221,325$ 35Deferred Tax ReserveSum of Lines 33 through 35 $$2,994,495$ $$52,797,628$ 37Average Rate Base after Deferred Tax ProrationLine 37 + Line 32 $$118,345$ $$(167,662)$ 38Proration AdjustmentColumn (a) = Current Year Line 27 + 2 $$1,497,247$ $$2,298,0601$ 39Average Rate Base after Deferred Tax ProrationLine 37 + Line 38 $$11,232,062,323,093,463$					10.00%
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29Effective Tax Rate 21.00% 21.00% 21.00% 30Deferred Tax ReserveLine 28 * Line 29\$118,345\$167,66231Less: FY 2022 Federal NOL32Net Deferred Tax ReserveSum of Lines 30 through 31\$118,345\$1167,662Rate Base Calculation:33Cumulative Incremental Capital Included in Rate BaseLine 11\$3,186,615\$3,186,61534Accumulated Depreciation- Line 27\$73,775\$(\$221,325)35Deferred Tax Reserve- Line 32\$(\$118,345)\$(\$167,662)36Year End Rate BaseSum of Lines 33 through 35\$2,994,495\$2,797,628Revenue Requirement Calculation:37Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 27 + 2\$1,497,247\$2,896,06138Proration AdjustmentPage 13 of 13, Line 41\$4,782\$7,790,42839Average Rate Base after Deferred Tax ProrationLine 37 + Line 38\$1,500,00\$2,903,46340Pre-Tax ROR1/\$2,32%\$2,294,495\$2,294,495\$2,294,49541Return and TaxesLine 16 + Line 19 + Line 22 + Line 25\$73,775\$147,55042Book DepreciationTax Rate 3,176% MAL-7 - PY (Line 33 + Line 34)* 3,176%\$0\$98,864					
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31Less: FY 2022 Federal NOL32Net Deferred Tax ReserveSum of Lines 30 through 3131 $\underline{\$118,345}$ $\underline{\$116,345}$ 32Cumulative Incremental Capital Included in Rate BaseLine 1133Cumulative Incremental Capital Included in Rate BaseLine 1134Accumulated Depreciation- Line 2735Deferred Tax Reserve- Line 3236Year End Rate BaseSum of Lines 33 through 3537Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 27 + 238Proration AdjustmentPage 13 of 13, Line 4139Average Rate Base after Deferred Tax ProrationLine 37 + Line 3841Return and TaxesLine 19 + Line 29 + Line 2542Book DepreciationTax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176%			Line 28 * Line 29		
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33Cumulative Incremental Capital Included in Rate BaseLine 11\$3,186,615\$3,186,61534Accumulated Depreciation- Line 27 $(573,775)$ $(5221,325)$ 35Deferred Tax Reserve- Line 32 $($118,345)$ $($167,662)$ 36Year End Rate BaseSum of Lines 33 through 35 $$2,994,495$ $$2,297,628$ 7Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 27 + 2 $$1,497,247$ $$2,896,061$ 38Proration AdjustmentPage 13 of 13, Line 41 $$4,782$ $$7,401$ 39Average Rate Base after Deferred Tax ProrationLine 37 + Line 38 $$1,502,030$ $$2,203,482$ 41Return and TaxesLine 39 * Line 40 $$123,617$ $$2238,955$ 42Book DepreciationTax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176%\$0\$98,864	32	Net Deferred Tax Reserve	Sum of Lines 30 through 31	\$118,345	\$167,662
34Accumulated Depreciation- Line 27 $(\$73,775)$ $(\$221,325)$ 35Deferred Tax Reserve- Line 32 $(\$118,345)$ $(\$167,662)$ 36Year End Rate BaseSum of Lines 33 through 35 $\$2,994,495$ $\$2,2994,495$ $\$2,994,495$ 37Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 27 + 2 $\$1,497,247$ $\$2,896,061$ 38Proration AdjustmentPage 13 of 13, Line 41 $\$4,782$ $\$7,400$ $\$2,203,463$ 40Pre-Tax ROR1/ $\$23\%$ $\$2,2903,463$ 41Return and TaxesLine 39 * Line 40 $\$123,617$ $\$238,955$ 42Book DepreciationLine 16 + Line 19 + Line 22 + Line 25 $\$73,775$ $\$147,550$ 43Proterty TaxesTax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% $\$0$ $\$98,864$					
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36Year End Rate BaseSum of Lines 33 through 35 $$2,994,495$ $$2,797,628$ 37Average Rate Base before Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 27 ÷ 2\$1,497,247\$2,896,06138Proration AdjustmentPage 13 of 13, Line 41\$4,782\$7,40139Average Rate Base after Deferred Tax ProrationLine 37 + Line 38\$1,502,030\$2,293,49540Pre-Tax ROR1/\$2,296\$2,29441Return and TaxesLine 39 * Line 40\$123,617\$2238,95542Book DepreciationLine 16 + Line 19 + Line 22 + Line 25\$73,775\$147,55043Property TaxesTax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176%\$0\$98,864					
37 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 27 + 2 \$1,497,247 \$2,896,061 38 Protation Adjustment Page 13 of 13, Line 41 \$4,782 \$7,703 39 Average Rate Base after Deferred Tax Proration Line 37 + Line 38 \$1,500 \$2,903,463 40 Pre-Tax ROR 1/ 8,23% 8,23% 41 Return and Taxes Line 39 * Line 40 \$123,617 \$238,955 42 Book Depreciation Line 16 + Line 19 + Line 22 + Line 25 \$73,775 \$147,550 43 Property Taxes Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% \$0 \$98,864					(\$167,662) \$2,797,628
37 Average Rate Base before Deferred Tax Proration Adjustment Column (a) = Current Year Line 27 + 2 \$1,497,247 \$2,896,061 38 Proration Adjustment Page 13 of 13, Line 41 \$4,782 \$7,703 39 Average Rate Base after Deferred Tax Proration Line 37 + Line 38 \$1,500 \$2,903,463 40 Pre-Tax ROR 1/ 8,23% 8,23% 41 Return and Taxes Line 39 * Line 40 \$123,617 \$238,955 42 Book Depreciation Line 16 + Line 19 + Line 22 + Line 25 \$73,775 \$147,550 43 Property Taxes Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% \$0 \$98,864		Revenue Requirement Calculation			
38 Proration Adjustment Page 13 of 13, Line 41 \$4,782 \$7,401 39 Average Rate Base after Deferred Tax Proration Line 37 + Line 38 \$1,502,030 \$2,903,402 40 Pre-Tax ROR 1/ 8,23% 8,23% 41 Return and Taxes Line 39 * Line 40 \$123,617 \$238,955 42 Book Depreciation Line 16 + Line 19 + Line 22 + Line 25 \$73,775 \$147,550 43 Property Taxes Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% \$0 \$98,864	37		Column (a) = Current Year Line $27 \div 2$	\$1,497,247	\$2,896,061
40 Pre-Tax ROR 1/ 8.23% 8.23% 41 Return and Taxes Line 39 * Line 40 \$123,617 \$238,955 42 Book Depreciation Line 19 + Line 22 + Line 25 \$73,775 \$147,550 43 Property Taxes Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% \$0 \$98,864	38	Proration Adjustment	Page 13 of 13, Line 41	\$4,782	\$7,401
41 Return and Taxes Line 39 * Line 40 \$123,617 \$238,955 42 Book Depreciation Line 16 + Line 19 + Line 22 + Line 25 \$73,775 \$147,550 43 Property Taxes Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% \$0 \$98,864					\$2,903,463
42 Book Depreciation Line 16 + Line 19 + Line 22 + Line 25 \$73,775 \$147,550 43 Property Taxes Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% \$0 \$98,864					8.23%
43 Property Taxes Tax Rate 3.176% MAL-7 - PY (Line 33 + Line 34)* 3.176% \$0 \$98,864					
44 Annual Revenue Requirement Line 41 through Line 43 \$197.392 \$485.369					\$147,550 \$98,864
	44	Annual Revenue Requirement	Line 41 through Line 43	\$197,392	\$485,369

1/ Weighted Average Cost of Capital per R.I.P.U.C. Docket No. 4770, Schedule 1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%	0.00%	2.23%
Short Term Debt	0.60%	1.76%	0.01%	0.00%	0.01%
Preferred Stock	0.10%	4.50%	0.00%	0.00%	0.00%
Common Equity	50.95%	9.28%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2021 Capital Investments Electric Transportation Initiative

Line			Rate Year Ending August 31, 2022	
No.			(a)	
	Capital Repairs Deduction			
1	Plant Additions	Page 8 of 13, Line 5	\$3,186,615	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$3,186,615	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$3,186,615	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$3,186,615	
9	Bonus Depreciation Rate	0%	0.00%	
10	Bonus Depreciation Rate	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$3,186,615	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$3,186,615	\$3,186,615
17	5 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	20.000%	32.000%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$637,323	\$1,019,717
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 8 of 13, Line 10	\$0	\$0
		Sum of Lines 3, 12, 18, 19, and		
21	Total Tax Depreciation and Repairs Deduction	20	\$637,323	\$1,019,717

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-4 Page 13 of 13

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Calculation of Rate Year 2022 Net Deferred Tax Reserve Proration

Electric Transportation Initiative

Line No.	Deferred Tax Subject to Proration			(a) RY22
1	Book Depreciation	, Line	16, 19, 22,25	\$73,775
2	Bonus Depreciation		13, Line 3, Col (a)	\$0
3	Remaining MACRS Tax Depreciation		16, Line 18, Col (a)	(\$637,323)
4	FY22 tax (gain)/loss on retirements	- Page 9. of	16, Line 19, Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of I	Lines 1 through 4	(\$563,548)
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Lin	$e 5 \times Line 6$	(\$118,345)
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction		16, Line 3, Col (a)	\$0 \$0
9	Cost of Removal	- Page 9 of	16, Line 20, Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022 Cumulative Book / Tax Timer	Ling Q	Line 9 + Line 10	¢0
11 12	Effective Tax Rate	Line 8 +	Line 9 + Line 10	\$0 21%
12	Deferred Tax Reserve	Line	11 × Line 12	\$0
13	Detetted Tax Reserve			30
14	Total Deferred Tax Reserve		e 7 + Line 13	(\$118,345)
15	Net Operating Loss		, Line 31	-
16	Net Deferred Tax Reserve	Line	14 + Line 15	(\$118,345)
17	Allocation of FY 2022 Estimated Federal NOL		T	(05(2,540)
17 18	Cumulative Book/Tax Timer Subject to Proration		Line 5 Line 15	(\$563,548)
18	Cumulative Book/Tax Timer Not Subject to Proration Total Cumulative Book/Tax Timer	Lina	17 + Line 18	\$0 (\$563,548)
		Line	17 + Line 18	
20	Total FY 2022 Federal NOL		, Line 31	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration		Line 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷	Line 19) × Line 20	
23	Effective Tax Rate	. .	22 I 22	21%
24	Deferred Tax Benefit subject to proration	Line	22 × Line 23	\$0
25	Net Deferred Tax Reserve subject to proration	Line	e 7 + Line 24	(\$118,345)
		(h)	. (i)	(j)
		Number of Days		D1/22
26	Proration Calculation	Month 30	Proration Percentage	RY22
26 27	September October	30	91.78% 83.29%	(\$9,052) (\$8,214)
27	November	30	75.07%	(\$7,403)
29	December	31	66.58%	(\$6,566)
30	January	31	58.08%	(\$5,728)
31	February	28	50.41%	(\$4,972)
32	March	31	41.92%	(\$4,134)
33	April	30	33.70%	(\$3,323)
34	May	31	25.21%	(\$2,486)
35	June	30	16.99%	(\$1,675)
36	July	31	8.49%	(\$838)
37	August	31	0.00%	\$0
38	Total	365		(\$54,390)
39	Deferred Tax Without Proration		Line 25	(\$118,345)
40	Average Deferred Tax without Proration			
41	Departies A directory of		ne 39×0.5	(\$59,173)
41	Proration Adjustment	Line	38 - Line 40	\$4,782

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 RIPUC Docket Nos. 4770 Attachment PUC 3-10-5 Page 1 of 1

The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Grid Mod Synergy - System Data Portal Annual Revenue Requirement Summary

Line <u>No.</u>			Rate Year 1 (a)	Rate Year 2 (b)	Rate Year 3 (c)	Rate Year 4 (d)
	Operation and Maintenance (O&M) Expenses:					
1	System Data Portal		\$0	\$0	\$0	\$700,000
2	Total O&M costs	Sum of Line 1	\$0	\$0	\$0	\$700,000
			\$0			
3	Total Revenue Requirement	_	\$0	\$0	\$0	\$700,000

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID II p Grid Mod Synergy - GIS Data Enhancement Rate Year Annual Revenue Requirement Summary - Electric Only

		evenue requirement summing E	cuic only			
Line <u>No.</u>			Rate Year 1 Ending 8/31/2019	Rate Year 2 Ending 8/31/2020	Rate Year 3 Ending 8/31/2021	Rate Year 4 Ending 8/31/2022
	Electric Operation and Maintenance (O&M) Expenses:		(a)	(b)	(c)	(d)
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$33,789	\$33,872	\$209,985	\$160,000
5	DSCADA & ADMS		\$0	\$0	\$0	\$0
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$0	\$0	\$0
11	Telecommunications		\$0	\$0	\$0	\$0
12	Cybersecurity		\$0	\$0	\$0	\$0
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$33,789	\$33,872	\$209,985	\$160,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	\$0
15	GIS Data Enhancement		\$0	\$0	\$0	\$0
16	Enterprise Service Bus		\$0	\$0	\$0	\$0
17	Data Lake		\$0	\$0	\$0	\$0
18	PI Historian		\$0	\$0	\$0	\$0
19	Advanced Analytics		\$0	\$0	\$0	\$0
20	Telecommunications		\$0	\$0	\$0	\$0
21 22	Cybersecurity Total Gas O&M costs	Sum of Lines 14 through 21	\$0 \$0	\$0 \$0	\$0 \$0	<u>\$0</u> \$0
		Sun of Enes 14 though 21			ψŪ	40
23	Total O&M Expenses	Line 13 + Line 22	\$33,789	\$33,872	\$209,985	\$160,000
24	Electric Capital Investment:					
25	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		\$0	\$0	\$0	\$0
26	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 Capital Investment			\$0	\$0	\$0
27	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Investment				\$56,346	\$108,161
28	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 Capital Investment					\$0
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$56,346	\$108,161
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		\$0	\$0	\$0	\$0
32	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 Capital Investment			\$0	\$0	\$0
33	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Investment				\$0	\$0
34	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 Capital Investment					\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$33,789	\$33,872	\$266,331	\$268,161
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$33,789	\$33,872	\$266,331	\$268,161
) no soomasti in Data Vaas Linas DUC Davision		,			

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - GIS Enhancement Data

Line No.			Rate Year 1 Ending 8/31/2019	Rate Year 2 Ending 8/31/2020	Rate Year 3 Ending 8/31/2021	Rate Year 4 Ending 8/31/2022
	Estimated Capital Investment		(a)	(b)	(c)	(d)
	<u>Estimated Capital Investment</u>					
1	GIS Data Enhancement		\$0	\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base					
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base					
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	FY 2020 Spend	Page 3 of 13, Line 21	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0	\$0
	Book Depreciation					
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50% ; Column (b, c, and d) = Line 5 *	\$0	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%	
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	Less: FY 2020 Federal NOL	Come of Come 10 descent 10		\$0 \$0	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	50	\$0	\$0	\$0
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	\$0
23 24	Deferred Tax Reserve Year End Rate Base	- Line 20 Sum of Lines 21 through 23	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
	Revenue Requirement Calculation:	<u>o</u> .				
	Revenue Requirement Calculation:					
25	Aviances Bets Bees hafer Deferred Tay Promotion A Protocol	Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25) ÷ 2	\$0.00	\$0	\$0	\$0
25 26	Average Rate Base befor Deferred Tax Proration Adjustment Proration Adjustment		\$0.00	\$0 \$0	\$0	\$0 \$0
26 27	Average ISR Rate Base after Deferred Tax Proration	Page 4 of 13, Line 41, Col (j) through Col. (m) Line 25 + Line 26	\$0	\$0	\$0	\$0
	-		1/			
28	Pre-Tax ROR		8.23%	8.23%	8.23%	
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-6

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2019 IS Capital Investments Synergy Grid Mod - GIS Enhancement Data

Line <u>No.</u>	Capital Repairs Deduction		8/31/2019	8/31/2020	8/31/2021	8/31/2022
<u>No.</u>	Canital Renairs Deduction			<i>a</i> >	()	
			(a)	(b)	(c)	(d)
	Plant Additions	D 2 . 612 Line 2	\$0			
1		Page 2 of 13, Line 2				
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 100%	0.00%			
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%			
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%			
12	Bonus Depreciation	Line 8 * Line 11	\$0			
	Remaining Tax Depreciation					
13	Plant Additions	Line 1	\$0			
14	Less Capital Repairs Deduction	Line 3	\$0			
15	Less Bonus Depreciation	Line 12	\$0			
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%	7.410%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	FY20 Loss incurred due to retirements		\$0	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$0	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-6 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2019 Net Deferred Tax Reserve Proration Synergy Grid Mod - GIS Enhancement Data

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 1	(b) Rate Year 2	(c) Rate Year 3	(c) Rate Year 4
1	Book Depreciation	Dece 15 of 25 Line	12 ,Col (a) and Col (b)	\$0	\$0	\$0	\$0
2	Book Depreciation	U ,	, Line 12 ,Col (a)	\$0 \$0	\$0	\$0	20
3	Remaining MACRS Tax Depreciation	- Page 16 o	f 25 , Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0			
5	Cumulative Book / Tax Timer	Sum of Line	es 1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction	- Page 16 of 25	, Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 25	, Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + Lin	e 9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line 11	× Line 12	\$0			
14	Total Deferred Tax Reserve	Line 7 -	+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	Li	ne 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration		e 11	\$0			
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0			
20	Total FY 2022 Federal NOL	- Page 15 of 25 , L	ine 17 ,Col (a)÷21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Lin	e 19) × Line 20				
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	e 19) × Line 20				
23	Effective Tax Rate			21%			
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7 -	+ Line 24	\$0	\$0	\$0	\$0
		(h) Number of Days in	(i)	(j)	(k)	(1)	(m)
	Proration Calculation	Month	Proration Percentage	Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4
26	April	30	91.78%	\$0	\$0	\$0	\$0
27	May	31	83.29%	\$0	\$0	\$0	\$0
28	June	30	75.07%	\$0	\$0	\$0	\$0
29	July	31	66.58%	\$0	\$0	\$0	\$0
30	August	31	58.08%	\$0	\$0	\$0	\$0
31	September	30	49.86%	\$0	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Lin	ie 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration		0 × 0 5	**	60	60	60
41	Proration Adjustment		39 × 0.5 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - GIS Enhancement Data

		Synergy of a stol - of S Enhancement Data			
Line <u>No.</u>			Rate Year 2 Ending <u>8/31/2020</u> (a)	Rate Year 2 Ending <u>8/31/2021</u> (b)	Rate Year 3 Ending <u>8/31/2022</u> (c)
	Estimated Capital Investment		(4)	(0)	(0)
1	GIS Data Enhancement		\$0	\$0	\$0
2	Total Estimated Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base		.		
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	FY 2021 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%		14.29%
13	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12 Prior Year Line 14 + Current Year Line 13	\$0 \$0	\$0 \$0	\$0 \$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 15		50	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
	Deferred Tax Calculation:				
16	Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
17	Effective Tax Rate Deferred Tax Reserve	Line 16 * Line 17	21.00%	21.00% \$0	21.00%
18 19	Less: FY 2021 Federal NOL	Line 16 * Line 17	\$0 \$0	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0
				**	
	Rate Base Calculation:		* •	6 0	
21	Cumulative Incremental Capital Included in Rate Base	Line 8 - Line 15	\$0 \$0	\$0	\$0
22 23	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	\$0 \$0	\$0 \$0	\$0 \$0
23	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0
	Revenue Requirement Calculation:				
		Column (a) = Current Year Line 25 ÷ 2; Column (b and c) = (Prior Year Line 25			
25	Average Rate Base befor Deferred Tax Proration Adjustment	+ Current Year Line 25) ÷ 2	\$0	\$0	\$0
26	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0	\$0	\$0
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
20	Des Tes DOD	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,	0.000/	0.000/	0.000/
28 29	Pre-Tax ROR Return and Taxes	Workpaper MAL-6 Line 27 * Line 28	<u>8.23%</u> \$0	<u>8.23%</u> \$0	<u>8.23%</u> \$0
30	Book Depreciation	Line 13	\$0 \$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0
	·				

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-6

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2020 IS Capital Investments Synergy Grid Mod - GIS Enhancement Data

Line <u>No.</u>	Capital Repairs Deduction		Rate Year 2 Ending R $\frac{8/31/2020}{(a)}$	ate Year 2 Ending 1 <u>8/31/2021</u> (b)	Rate Year 3 Ending <u>8/31/2022</u> (c)
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 5 Line 5			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%		
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%		
11	Total Bonus Depreciation Rate	Line $9 + \text{Line } 10$	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
12	Donus Depredation	Enic o Enic II	40		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
	Cost of Removal	*			
20	Cost of Kemovai	Page 5 of 13, Line 7	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID **RIPUC Docket No. 4770** Attachment PUC 3-10-6 Page 7 of 13

(b)

(c)

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2020 Net Deferred Tax Reserve Proration Synergy Grid Mod - GIS Enhancement Data

T 1				(a)	(b)	(c)
Line No.	Deferred Tax Subject to Proration			Rate Year	Rate Year	Rate Year
	-					
1	Book Depreciation		e 12 ,Col (a) and Col (b)	\$0	\$0	\$0
2	Bonus Depreciation	- Page 16 of 2	5, Line 12, Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements		5 , Line 19 ,Col (a)	\$0		
5	Cumulative Book / Tax Timer	Sum of Li	nes 1 through 4	\$0	\$0	\$0
6	Effective Tax Rate		-	21%	21%	21%
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	- Page 16 of 2	25 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of 2	25 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022	-				
11	Cumulative Book / Tax Timer	Line 8 + L	Line 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line 1	1 × Line 12	\$0		
14	Total Deferred Tax Reserve	Line	7 + Line 13	\$0	\$0	\$0
15	Net Operating Loss	- Page 15 of 2	5, Line 17, Col (a)	\$0		
16	Net Deferred Tax Reserve	Line 1	4 + Line 15	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration	1	Line 5	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration	I	Line 11	\$0		
19	Total Cumulative Book/Tax Timer	Line 1	7 + Line 18	\$0		
20	Total FY 2022 Federal NOL	- Page 15 of 25,	Line 17 ,Col (a)÷21%	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ L	ine 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ L	ine 19) × Line 20			
23	Effective Tax Rate			21%		
24	Deferred Tax Benefit subject to proration	Line 2	22 × Line 23	\$0		
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)
		Number of Days in	<u>1</u>			
	Proration Calculation	Month	Proration Percentage	Rate Year	Rate Year	Rate Year
26	April	30	91.78%	\$0	\$0	\$0
27	May	31	83.29%	\$0	\$0	\$0
28	June	30	75.07%	\$0	\$0	\$0
29	July	31	66.58%	\$0	\$0	\$0
30	August	31	58.08%	\$0	\$0	\$0
31	September	30	49.86%	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0
39	Deferred Tax Without Proration	I	Line 25	\$0	\$0	\$0
40	Average Deferred Tax without Proration	т:	e 39 × 0.5	\$0	\$0	\$0
41	Proration Adjustment		e 39 × 0.5 38 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - GIS Enhancement Data

Line <u>No.</u>			Rate Year 3 Ending <u>8/31/2021</u> (a)	Rate Year 4 Ending <u>8/31/2022</u> (b)
	Estimated Capital Investment		(a)	(6)
1	GIS Data Enhancement		\$523,804	\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$523,804	\$0
3	Depreciable Net Capital Included in Rate Base Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$523,804	\$0
4	Retirements	Line 2 Line 4 * 0%	\$525,804	\$0 \$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 4, them = Column (a)	\$523,804	\$523,804
6	Change in Net Capital Included in Rate Base Capital Included in Rate Base	Line 2	\$523,804	\$0
0	Capital included in Kate Dase	Line 2	\$525,004	50
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$523,804	\$523,804
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	FY 2022 Spend	Page 9 of 13, Line 21	\$174,584	\$232,831
11	Cumulative Tax Depreciation	Current Year Line 10	\$174,584	\$407,415
	Book Depreciation			
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50% ; Column (b) = Line 5 * Line 12	\$37,415	\$74,829
14	Cumulative Book Depreciation	Current Year Line 13	\$37,415	\$112,244
15	Total Cumulative Book Depreciation	Line 14	\$37,415	\$112,244
	Deferred Tax Calculation:			
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$137,169	\$295,171
17	Effective Tax Rate		21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$28,806	\$61,986
19 20	Less: FY 2022 Federal NOL Net Deferred Tax Reserve	S ST 10.4 1.10	\$0 \$28,806	\$0 \$61,986
20	Net Delerred Tax Reserve	Sum of Lines 18 through 19	\$28,800	301,980
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$523,804	\$523,804
22	Accumulated Depreciation	- Line 15	(\$37,415)	(\$112,244)
23 24	Deferred Tax Reserve Year End Rate Base	- Line 20 Sum of Lines 21 through 23	(\$28,806) \$457,584	(\$61,986) \$349,574
24	Tear End Rate Base	Sun of Enes 21 though 25	\$ 1 57,56 1	\$577,577
	Revenue Requirement Calculation:			
25	August Date Date before Defensed Ten Dreasting A director and	Column (a) = Current Year Line $25 \div 2$; Column (b) = (Prior Year Line $25 + Current Year Line 25) \div 2$	\$228 701 02	\$403,579.08
25 26	Average Rate Base befor Deferred Tax Proration Adjustment Proration Adjustment	, Line 41, Col (j) through Col. (k)	\$228,791.92 \$1,236	\$403,579.08 \$1,424
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$230,028	\$405,003
	5	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper		
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$18,931	\$33,332
30	Book Depreciation	Line 13	\$37,415	\$74,829
31	Annual Revenue Requirement	Line 29 + Line 30	\$56,346	\$108,161

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-6

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2021 IS Capital Investments Synergy Grid Mod - GIS Enhancement Data

No.(a)(b)Capital Repairs Deduction Plant AdditionsPlage 8 of 13, Line 2 Per Tax DepartmentS523,804 0.00% 0.00%2Capital Repairs Deduction Rate Capital Repairs DeductionPer Tax Department Line 1 * Line 2 0.00% 0.00%3Capital Repairs DeductionLine 1 * Line 2 0.00% 0.00%4Plant AdditionsLine 1S523,804 1.00.00%5Less Capital Repairs DeductionLine 3 1.00.00% 5000 6Plant Additions Net of Capital Repairs DeductionLine 3 1.00.00% $5523,804$ 7Percent of Plant Eligible for Bonus DepreciationPer Tax Department 1.00.00% 10000% 8Plant Additions Net (April 2020 December 2020) 0% 6 0.00% 9Bonus Depreciation Rate (April 2020 December 2020) 0% 6 0.00% 10Bonus Depreciation Rate (January 2021 - Mar 2021) 0% 6 0.00% 12Bonus Depreciation RateLine 9 + Line 10 0.00\% 0.00% 13Plant AdditionsLine 1 8 * Line 11 $5523,804$ 414Less Capital Repairs DeductionLine 3 4 500 15Less Bonus Depreciation 4Line 13 - Line 14 - Line 15 8 $5523,804$ 814Less Capital Repairs DeductionLine 17 8 $5174,584$ 8 $523,804$ 15Less Capital Repairs DeductionLine 16 * Line 17 $5174,584$ 8 $523,804$ 14Less Capital Repairs Deduction Rates Remaining Tax DepreciationPer Tax Department 8 </th <th>Line</th> <th></th> <th></th> <th>Rate Year 3 Ending <u>8/31/2021</u></th> <th>Rate Year 4 Ending <u>8/31/2022</u></th>	Line			Rate Year 3 Ending <u>8/31/2021</u>	Rate Year 4 Ending <u>8/31/2022</u>
1 Plant Additions Page 8 of 13, Line 2 \$523,804 2 Capital Repairs Deduction Line 1 * Line 2 \$0 3 Capital Repairs Deduction Line 1 * Line 2 \$0 4 Plant Additions Line 1 \$523,804 5 Less Capital Repairs Deduction Line 3 \$0 6 Plant Additions Net of Capital Repairs Deduction Line 3 \$0 7 Plant Additions Net of Capital Repairs Deduction Line 3 \$0 6 Plant Additions Net of Capital Repairs Deduction Line 4 - Line 5 \$523,804 7 Percent of Plant Eligible for Bonus Depreciation Per Tax Department 100,00% 8 Plant Eligible for Bonus Depreciation Line 6 * Line 7 \$523,804 9 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 10 Bonus Depreciation Rate (Anury 201 - Mar 2021) 0% 0.00% 11 Total Bonus Depreciation Line 9 + Line 10 0.00% 12 Bonus Depreciation Line 1 \$523,804 13 Plant Additions Line 1 \$523,804 14 Less	<u>No.</u>			(a)	(b)
2 Capital Repairs Deduction Rate Per Tax Department 0.00% 3 Capital Repairs Deduction Line 1 * Line 2 \$0 4 Plant Additions Line 1 \$123,804 5 Less Capital Repairs Deduction Line 1 \$223,804 6 Plant Additions Net of Capital Repairs Deduction Line 3 \$20 6 Plant Additions Net of Capital Repairs Deduction Line 4 - Line 5 \$523,804 7 Percent of Plant Eligible for Bonus Depreciation Per Tax Department 100.00% 8 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 9 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 10 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 11 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 12 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 12 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 12 Bonus Depreciation Rate Line 1 \$523,804 13 Plant Additions Line 1 \$20 14 Less Capital Repairs Deduction Line 1 \$23,804 15 Less Bonus Depreciation <td></td> <td></td> <td></td> <td></td> <td></td>					
3 Capital Repairs Deduction Line 1 * Line 2 \$0 4 Plant Additions Line 1 \$523,804 5 Less Capital Repairs Deduction Line 3 \$0 6 Plant Additions Not of Capital Repairs Deduction Line 4 \$523,804 7 Percent of Plant Eligible for Bonus Depreciation Per Tax Department 100,00% 8 Plant Eligible for Bonus Depreciation Per Tax Department 100,00% 9 Bonus Depreciation Rate (Arl 2020 - December 2020) 0% 0,00% 0 Bonus Depreciation Rate (Arl 2020 - December 2020) 0% 0,00% 10 Bonus Depreciation Rate (January 2021 - Mar 2021) 0% 0,00% 11 Total Bonus Depreciation Rate Line 9 + Line 10 0,00% 12 Bonus Depreciation Line 1 \$523,804 14 Less Capital Repairs Deduction Line 1 \$523,804 15 Less Capital Repairs Deduction Line 1 \$523,804 14 Less Capital Repairs Deduction Line 1 \$523,804 15 Less Capital Repairs Deduction Line 1 \$523,804 16	1	Plant Additions	Page 8 of 13, Line 2	\$523,804	
Bonus Depreciation Line 1 \$523,804 4 Plant Additions Line 3 \$0 6 Plant Additions Net of Capital Repairs Deduction Line 3 \$523,804 7 Percent of Plant Eligible for Bonus Depreciation Line 4 · Line 5 \$523,804 9 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 10 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 11 Total Bonus Depreciation Rate (Ianuary 2021 - Mar 2021) 0% 0.00% 12 Bonus Depreciation Rate (Ianuary 2021 - Mar 2021) 0% 0.00% 12 Bonus Depreciation Rate (Ianuary 2021 - Mar 2021) 0% 0.00% 13 Plant Additions Line 9 + Line 10 0.00% 14 Less Capital Repairs Deduction Line 3 \$0 15 Less Bonus Depreciation Line 1 \$523,804 16 Remaining Plant Additions Line 1 \$523,804 15 Less Bonus Depreciation Line 3 \$0 16 Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation Line 13 - Line 14 - Line 15 \$5523,804 1	2	Capital Repairs Deduction Rate		0.00%	
4Plant AdditionsLine 1\$523,8045Less Capital Repairs DeductionLine 3\$06Plant Additions Net of Capital Repairs DeductionLine 4 - Line 5\$523,8047Percent of Plant Eligible for Bonus DepreciationPer Tax Department100.00%8Plant Eligible for Bonus Depreciation0%0.00%9Bonus Depreciation Rate (April 2020 - December 2020)0%0.00%10Bonus Depreciation Rate (April 2020 - December 2020)0%0.00%11Total Bonus Depreciation RateLine 9 + Line 100.00%12Bonus DepreciationLine 8 * Line 11\$08Remaining Tax DepreciationLine 1\$523,80414Less Capital Repairs DeductionLine 1\$523,80415Less Bonus DepreciationLine 1\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,80415Less Bonus DepreciationLine 13 - Line 14 - Line 15\$523,80416Remaining Tax DepreciationLine 16 * Line 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalPer Superciation\$0\$020Cost of RemovalSuperciation\$0\$0	3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
5 Less Capital Repairs Deduction Line 3 S0 6 Plant Additions Net of Capital Repairs Deduction Line 4 - Line 5 \$523,804 7 Percent of Plant Eligible for Bonus Depreciation Per Tax Department 100.00% 8 Plant Additions Net (April 2020 - December 2020) 0% 0.00% 9 Bonus Depreciation Rate (April 2020 - December 2020) 0% 0.00% 10 Bonus Depreciation Rate (January 2021 - Mar 2021) 0% 0.00% 11 Total Bonus Depreciation Rate Line 1 \$50 12 Bonus Depreciation Line 1 \$0 13 Plant Additions Line 1 \$523,804 14 Less Capital Repairs Deduction Line 3 \$0 15 Less Capital Repairs Deduction Line 3 \$0 14 Less Capital Repairs Deduction Line 3 \$0 15 Less Capital Repairs Deduction Line 1 \$523,804 16 Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation Line 13 Line 15 \$523,804 16 Remaining Tax Depreciation Rates Per IRS Publication 946 33.33% 44.45% 18 Remaining Tax Depreciation Line 16 * Line 17 \$174,584 \$223,801 19		Bonus Depreciation			
6Plant Additions Net of Capital Repairs DeductionLine 4 - Line 5\$523,8047Percent of Plant Eligible for Bonus DepreciationPer Tax Department100,00%8Plant Eligible for Bonus Depreciation Rate (April 2020 - December 2020)0%0.00%10Bonus Depreciation Rate (January 2021 - Mar 2021)0%0.00%11Total Bonus DepreciationLine 9 + Line 100.00%12Bonus DepreciationLine 8 * Line 11\$013Plant AdditionsLine 1\$523,80414Less Capital Repairs DeductionLine 3\$015Less Bonus DepreciationLine 12\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,80416Remaining Tax DepreciationLine 13 - Line 15\$523,804173 YR MACRS Tax DepreciationLine 12\$018Remaining Tax DepreciationLine 16 * Line 17\$174,58419FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalPage 8 of 13, Line 7\$0\$03Sum of Lines 3, 12, 18, 19, andSum of Lines 3, 12, 18, 19, and\$0	4	Plant Additions	Line 1	\$523,804	
7Percent of Plant Eligible for Bonus DepreciationPer Tax Department100.00%8Plant Eligible for Bonus DepreciationLine 6 * Line 7\$523,8049Bonus Depreciation Rate (April 2020 - December 2020)0%0.00%10Bonus Depreciation Rate (January 2021 - Mar 2021)0%0.00%11Total Bonus DepreciationLine 9 + Line 100.00%12Bonus DepreciationLine 9 + Line 100.00%13Plant AdditionsLine 3\$014Less Capital Repairs DeductionLine 3\$015Less Bonus Depreciation RatesLine 12\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 14 - Line 15\$523,804173 YR MACRS Tax DepreciationLine 16 * Line 17\$174,584\$232,83118Remaining Tax DepreciationLine 16 * Line 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalPer Tax Department\$0\$03um of Lines 3, 12, 18, 19, andSum of Lines 3, 12, 18, 19, and\$10	5	Less Capital Repairs Deduction	Line 3	\$0	
8Plant Eligible for Bonus DepreciationLine 6 * Line 7\$523,8049Bonus Depreciation Rate (April 2020 - December 2020)0%0.00%10Bonus Depreciation Rate (January 2021 - Mar 2021)0%0.00%11Total Bonus Depreciation RateLine 9 + Line 100.00%12Bonus DepreciationLine 9 + Line 100.00%13Plant AdditionsLine 1\$523,80414Less Capital Repairs DeductionLine 1\$523,80415Less Bonus DepreciationLine 12\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 14 - Line 15\$523,804173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 16 * Line 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalSum of Lines 3, 12, 18, 19, and\$0	6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$523,804	
9Bonus Depreciation Rate (April 2020 - December 2020)0%0.00%10Bonus Depreciation Rate (January 2021 - Mar 2021)0%0.00%11Total Bonus Depreciation RateLine 9 + Line 100.00%12Bonus DepreciationLine 9 + Line 100.00%13Plant AdditionsLine 8 * Line 11\$014Less Capital Repairs DeductionLine 3\$015Less Bonus DepreciationLine 12\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,80416Remaining Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 16 * Line 17\$174,584\$2232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalSum of Lines 3, 12, 18, 19, and\$0	7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
10Bonus Depreciation Rate (January 2021 - Mar 2021)0%0.00%11Total Bonus Depreciation RateLine 9 + Line 100.00%12Bonus DepreciationLine 8 * Line 11\$013Plant AdditionsLine 1\$523,80414Less Capital Repairs DeductionLine 3\$015Less Bonus DepreciationLine 12\$016Remaining Tax Depreciation RatesLine 13 - Line 14 - Line 15\$523,804173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%18Remaining Tax DepreciationLine 17\$174,58419FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalSum of Lines 3, 12, 18, 19, and\$12	8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$523,804	
11 Total Bonus Depreciation Rate Line 9 + Line 10 0.00% 12 Bonus Depreciation Line 8 * Line 11 \$0 13 Plant Additions Line 1 \$523,804 14 Less Capital Repairs Deduction Line 3 \$0 15 Less Bonus Depreciation Line 12 \$0 16 Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation Line 13 - Line 14 - Line 15 \$523,804 17 3 YR MACRS Tax Depreciation Rates Per IRS Publication 946 33.33% 44.45% 18 Remaining Tax Depreciation Line 17 \$174,584 \$232,831 19 FY22 Loss incurred due to retirements Per Tax Department \$0 \$0 20 Cost of Removal Sum of Lines 3, 12, 18, 19, and \$10	9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
12Bonus DepreciationLine 8 * Line 11\$013Plant AdditionsLine 1\$523,80414Less Capital Repairs DeductionLine 3\$015Less Bonus DepreciationLine 12\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,804173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 16 * Line 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalPage 8 of 13, Line 7\$0\$0Sum of Lines 3, 12, 18, 19, and	10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
Remaining Tax Depreciation13Plant AdditionsLine 1\$523,80414Less Capital Repairs DeductionLine 3\$015Less Bonus DepreciationLine 12\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,804173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 16 * Line 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalPage 8 of 13, Line 7\$0\$0Sum of Lines 3, 12, 18, 19, and	11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
13Plant AdditionsLine 1\$523,80414Less Capital Repairs DeductionLine 3\$015Less Bonus DepreciationLine 12\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,804173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalSum of Lines 3, 12, 18, 19, andSum of Lines 3, 12, 18, 19, and	12	Bonus Depreciation	Line 8 * Line 11	\$0	
14Line 3\$015Less Capital Repairs DeductionLine 3\$016Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 12\$0173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalSum of Lines 3, 12, 18, 19, andSum of Lines 3, 12, 18, 19, and		Remaining Tax Depreciation			
15 Less Bonus Depreciation Line 12 \$0 16 Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation Line 13 - Line 14 - Line 15 \$523,804 \$523,804 17 3 YR MACRS Tax Depreciation Rates Per IRS Publication 946 33.33% 44.45% 18 Remaining Tax Depreciation Line 16 * Line 17 \$174,584 \$232,831 19 FY22 Loss incurred due to retirements Per Tax Department \$0 \$0 20 Cost of Removal Sum of Lines 3, 12, 18, 19, and Sum of Lines 3, 12, 18, 19, and	13	Plant Additions	Line 1	\$523,804	
16Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,804\$523,804173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 16* Line 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalPage 8 of 13, Line 7\$0\$0Sum of Lines 3, 12, 18, 19, and	14	Less Capital Repairs Deduction	Line 3	\$0	
16Remaining Plant Additions Subject to 3 YR MACRS Tax DepreciationLine 13 - Line 14 - Line 15\$523,804\$523,804173 YR MACRS Tax Depreciation RatesPer IRS Publication 94633.33%44.45%18Remaining Tax DepreciationLine 16* Line 17\$174,584\$232,83119FY22 Loss incurred due to retirementsPer Tax Department\$0\$020Cost of RemovalPage 8 of 13, Line 7\$0\$0Sum of Lines 3, 12, 18, 19, and	15	Less Bonus Depreciation	Line 12	\$0	
18 Remaining Tax Depreciation Line 16 * Line 17 \$174,584 \$232,831 19 FY22 Loss incurred due to retirements Per Tax Department \$0 \$0 20 Cost of Removal Page 8 of 13, Line 7 \$0 \$0 Sum of Lines 3, 12, 18, 19, and	16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$523,804	\$523,804
19 FY22 Loss incurred due to retirements Per Tax Department \$0 \$0 20 Cost of Removal Page 8 of 13, Line 7 \$0 \$0 Sum of Lines 3, 12, 18, 19, and	17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%
20 Cost of Removal Page 8 of 13, Line 7 \$0 \$0 Sum of Lines 3, 12, 18, 19, and	18	Remaining Tax Depreciation	Line 16 * Line 17	\$174,584	\$232,831
20 Cost of Removal Page 8 of 13, Line 7 \$0 \$0 Sum of Lines 3, 12, 18, 19, and	19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0
		Cost of Removal		\$0	\$0
			Sum of Lines 3 12 18 19 and		
	21	Total Tax Depreciation and Repairs Deduction		\$174,584	\$232,831

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-6 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2021 Net Deferred Tax Reserve Proration Synergy Grid Mod - GIS Enhancement Data

Line No.	Deferred Tax Subject to Proration			(a) Rate Year	(b) Rate Year
1 2	Book Depreciation Bonus Depreciation		12 ,Col (a) and Col (b) , Line 12 ,Col (a)	\$37,415 \$0	\$74,829
3	Remaining MACRS Tax Depreciation	- Page 16 c	of 25, Col (d)	(\$174,584)	(\$232,831)
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	(\$137,169)	(\$158,002)
6	Effective Tax Rate			21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	(\$28,806)	(\$33,180)
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	- Page 16 of 25	5, Line 3, Col (a)	\$0	
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022				
11	Cumulative Book / Tax Timer	Line 8 + Lin	ne 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	(\$28,806)	(\$33,180)
15	Net Operating Loss		, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	(\$28,806)	(\$33,180)
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	Li	ine 5	(\$137,169)	
18	Cumulative Book/Tax Timer Not Subject to Proration	Lii	ne 11	\$0	
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	(\$137,169)	
20	Total FY 2022 Federal NOL	- Page 15 of 25 , L	ine 17 ,Col (a)÷21%	\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Lir	ne 19) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lir	ne 19) × Line 20		
23	Effective Tax Rate			21%	
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	(\$28,806)	(\$33,180)
		(h)	(i)	(j)	(k)
		Number of Days in			
26	Proration Calculation	Month	Proration Percentage	Rate Year	Rate Year
26 27	April May	30 31	91.78% 83.29%	(\$2,203)	(\$2,538)
27	June	30	75.07%	(\$1,999) (\$1,802)	(\$2,303) (\$2,076)
20	July	31	66.58%	(\$1,598)	(\$1,841)
30	August	31	58.08%	(\$1,394)	(\$1,606)
31	September	30	49.86%	(\$1,197)	(\$1,379)
32	October	31	41.37%	(\$993)	(\$1,144)
33	November	30	33.15%	(\$796)	(\$917)
34	December	31	24.66%	(\$592)	(\$682)
35	January	31	16.16%	(\$388)	(\$447)
36	February	28	8.49%	(\$204)	(\$235)
37	March	31	0.00%	\$0	\$0
38	Total	365		(\$13,166)	(\$15,166)
39	Deferred Tax Without Proration	Li	ne 25	(\$28,806)	(\$33,180)
40	Average Deferred Tax without Proration	•··	20 4 0 5	(014 402)	(61(500)
41	Proration Adjustment		39 × 0.5 - Line 40	(\$14,403) \$1,236	(\$16,590) \$1,424
41	i iorauon Aujusunem	Line 38	- Lille 40	\$1,230	\$1,424

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - GIS Enhancement Data

Line <u>No.</u>			Rate Year 3 Ending <u>31-Aug-22</u> (a)
	Estimated Capital Investment		
1	GIS Data Enhancement		
2	Total Estimated Capital Investment	Sum of Line 1	\$0
	Depreciable Net Capital Included in Rate Base		
3 4	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 2 Line 4 * 0%	\$0 \$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4	
	Change in Net Capital Included in Rate Base		
6	Capital Included in Rate Base	Line 2	\$0
7	Cost of Removal		\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0
0			40
0	Tax Depreciation		
9 10	Vintage Year Tax Depreciation: FY 2023 Spend	Page 12 of 13, Line 21	\$0
11	Cumulative Tax Depreciation	Current Year Line 10	\$0
	Book Depreciation		
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	14.29%
13	Book Depreciation	Column (a) = Line 5* Line 12 * 50%	\$0
14	Cumulative Book Depreciation	Current Year Line 13	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0
	Deferred Tax Calculation:		
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0
17	Effective Tax Rate		21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0
19 20	Less: FY 2023 Federal NOL Net Deferred Tax Reserve	Sum of Lines 18 through 19	<u>\$0</u> \$0
20		Sum of Elices to unough ()	
	Rate Base Calculation:		
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0
22 23	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	\$0 \$0
23 24	Year End Rate Base	Sum of Lines 21 through 23	\$0
	Revenue Requirement Calculation:		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$	\$0.00
26	Proration Adjustment	Page 13 of 13, Line 41, Col (j) through Col. (k)	\$0
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper	
28	Pre-Tax ROR	MAL-6	8.23%
29 30	Return and Taxes Book Depreciation	Line 25 * Line 28 Line 13	\$0 \$0
50			
31	Annual Revenue Requirement	Line 29 + Line 30	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-6

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-6 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2022 IS Capital Investments Synergy Grid Mod - GIS Enhancement Data

Line No.			Rate Year 3 Ending <u>8/31/2022</u> (a)
	Capital Repairs Deduction		
1	Plant Additions	Page 11 of 13, Line 2	\$0
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%
11	Total Bonus Depreciation Rate	Line $9 + \text{Line } 10$	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$0
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0
		Sum of Lines 3, 12, 18, 19, and	
21	Total Tax Depreciation and Repairs Deduction	20	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-6 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2022 Net Deferred Tax Reserve Proration Synergy Grid Mod - GIS Enhancement Data

Line No.	Deferred Tax Subject to Proration			Rate Year
	-			
1	Book Depreciation		12 ,Col (a) and Col (b)	\$0
2	Bonus Depreciation	- Page 16 of 25	, Line 12 ,Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25 , Col (d)	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Line 5	i × Line 6	\$0
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction	- Page 16 of 25	5 , Line 3 ,Col (a)	\$0
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0
12	Effective Tax Rate			21%
13	Deferred Tax Reserve	Line 11	× Line 12	\$0
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0
15	Net Operating Loss	- Page 15 of 25	, Line 17 ,Col (a)	\$0
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0
18	Cumulative Book/Tax Timer Not Subject to Proration		ne 11	\$0
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0
20	Total FY 2022 Federal NOL	- Page 15 of 25, I	Line 17 ,Col (a)÷21%	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ne 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration		ne 19) × Line 20	
23	Effective Tax Rate	,	,	21%
24	Deferred Tax Benefit subject to proration	Line 22	2 × Line 23	\$0
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24		\$0
		(h)	(i)	(j)
		Number of Days in		0)
	Proration Calculation	Month	Proration Percentage	Rate Year
26	April	30	91.78%	so 1000
27	May	31	83.29%	\$0 \$0
28	June	30	75.07%	\$0
29	July	31	66.58%	\$0
30	August	31	58.08%	\$0
31	September	30	49.86%	\$0
32	October	31	41.37%	\$0
33	November	30	33.15%	\$0
34	December	31	24.66%	\$0
35	January	31	16.16%	\$0
36	February	28	8.49%	\$0 \$0
37	March	31	0.00%	\$0
38	Total	365	0.0070	\$0
39	Deferred Tax Without Proration	Ti	ne 25	\$0
40	Average Deferred Tax without Proration			
			39 × 0.5 3 - Line 40	\$0 \$0
41	Proration Adjustment			

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 Power Sector Transformation (PST) Grid Mod Synergy - GIS Data Enhancement (BR) Rate Year Annual Revenue Requirement Summary

Line <u>No.</u>	Operation and Maintenance (O&M) Expenses:		Rate Year 1 (a)	Rate Year 2 (b)	Rate Year 3 (c)	Rate Year 4 (d)
1	GIS Data Enhancement (BR)		\$43,182	\$646,278	\$538,400	\$200,000
2	Total O&M costs	Sum of Line 1	\$43,182	\$646,278	\$538,400	\$200,000
3	Total Revenue Requirement	=	\$43,182	\$646,278	\$538,400	\$200,000

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Grid Mod Synergy - DSCADA & ADMS Rate Year Annual Revenue Requirement Summary - Electric Only

Line <u>No.</u>			Rate Year 1 Ending August 31, 2019	Rate Year 2 Ending August 31, 2020	Rate Year 3 Ending August 31, 2021	Rate Year 4 Ending August 31, 2022
			(a)	(b)	(c)	(d)
	Electric Operation and Maintenance (O&M) Expenses:					
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$0	\$0	\$0	\$0
5	DSCADA & ADMS		\$62,171	\$404,650	\$972,035	\$1,143,000
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$0	\$0	\$0
11	Telecommunications		\$0	\$0	\$0	\$0
12	Cybersecurity		\$0	\$0	\$0	\$0
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$62,171	\$404,650	\$972,035	\$1,143,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	\$0
15	GIS Data Enhancement		\$0	\$0	\$0	\$0
16	Enterprise Service Bus		\$0	\$0	\$0	\$0
17	Data Lake		\$0	\$0	\$0	\$0
18	PI Historian		\$0	\$0	\$0	\$0
19	Advanced Analytics		\$0	\$0	\$0	\$0
20	Telecommunications		\$0	\$0	\$0	\$0
21	Cybersecurity		\$0	\$0	\$0	\$0
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$62,171	\$404,650	\$972,035	\$1,143,000
24	Electric Capital Investment:					
24	Estimated Revenue Requirement on Rate Year Ending August 31, 2019	Capital Investment	\$0	\$0	\$0	\$0
25	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Estimated Revenue Requirement on Rate Year Ending August 31, 2020		30	\$0 \$0	\$0	\$0 \$0
20	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 (30	\$0 \$0	\$0
28	Estimated Revenue Requirement on Rate Year Ending August 31, 2021				50	\$210,977
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$0	\$210,977
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year Ending August 31, 2019	Capital Investment	\$0	\$0	\$0	\$0
32	Estimated Revenue Requirement on Rate Year Ending August 31, 2020	Capital Investment		\$0	\$0	\$0
33	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 (Capital Investment			\$0	\$0
34	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 0	Capital Investment				\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$62,171	\$404,650	\$972,035	\$1,353,977
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$62,171	\$404,650	\$972.035	\$1.353.977
	·····	Enterso - Enterso				

Column (a) - no recovery in Rate Year 1 per PUC Decision

RIPUC Docket No. 4770

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - DSCADA & ADMS

Line <u>No.</u>			Rate Year 1 Ending August 31, 2019	Rate Year 2 Ending August 31, 2020	Rate Year 3 Ending August 31, 2021	Rate Year 4 Ending August 31, 2022
	Estimated Capital Investment		(a)	(b)	(c)	(d)
1	DSCADA & ADMS		\$0	\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base					
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base					
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	FY 2020 Spend	Page 3 of 13, Line 21	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0	\$0
	Book Depreciation					
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.89%	2.89%	2.89%	2.89%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50% ; Column (b, c, and d) = Line 5 *	\$0	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	Less: FY 2020 Federal NOL		\$0	\$0		
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0	\$0
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0	\$0
	Revenue Requirement Calculation:					
		Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior				
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25 + Current Year Line 25) ÷ 2	\$0.00	\$0	\$0	\$0
26	Proration Adjustment	Page 4 of 13, Line 41, Col (j) through Col. (m)	\$0	\$0	\$0	\$0
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0	\$0
28	Pre-Tax ROR		8.23%	8.23%		8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-6

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

RIPUC Docket No. 4770

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 1 IS Capital Investments Synergy Grid Mod - DSCADA & ADMS

			Rate Year 1 Ending	Rate Year 2 Ending	Rate Year 3 Ending	
Line			8/31/2019	8/31/2020	8/31/2021	8/31/2022
No.			(a)	(b)	(c)	(d)
	Capital Repairs Deduction		**			
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 100%	0.00%			
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%			
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%			
12	Bonus Depreciation	Line 8 * Line 11	\$0			
	Remaining Tax Depreciation					
13	Plant Additions	Line 1	\$0			
14	Less Capital Repairs Deduction	Line 3	\$0			
15	Less Bonus Depreciation	Line 12	\$0			
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%	6.177%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	FY20 Loss incurred due to retirements		\$0	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20		\$0	\$0	\$0
21	rotar rax Depreciation and Repairs Deduction	5um of Lines 5, 12, 18, and 20	50	\$0	\$0	50

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-8 Page 4 of 13

RIPUC Docket No. 4770

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 1 Net Deferred Tax Reserve Proration Synergy Grid Mod - DSCADA & ADMS

Line				(a) Rate Year 1 Ending	(b) Rate Year 2 Ending	(c) Rate Year 3 Ending	(c) Rate Year 4 Ending
No.	Deferred Tax Subject to Proration						
1	Book Depreciation		12 ,Col (a) and Col (b)	\$0	\$0	\$0	\$0
2	Bonus Depreciation	- Page 16 of 25	, Line 12 ,Col (a)	\$0			
3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0			
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction	- Page 16 of 2	5 , Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 2	5 , Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line 11	× Line 12	\$0			
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration		ne 11	\$0			
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0			
20	Total FY 2022 Federal NOL	- Page 15 of 25, I	Line 17 ,Col (a)+21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Li	ne 19) × Line 20				
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Li	ne 19) × Line 20				
23	Effective Tax Rate			21%			
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)	(m)
	Proration Calculation	Number of Days in Month	Proration Percentage	Rate Year 1 Ending	Rate Year 2 Ending	Rate Year 3 Ending	Rate Year 4 Ending
26	April	30	91.78%	\$0	\$0	\$0	\$0
27	May	31	83.29%	\$0	\$0	\$0	\$0
28	June	30	75.07%	\$0	\$0	\$0	\$0
29	July	31	66.58%	\$0	\$0	\$0	\$0
30	August	31	58.08%	\$0	\$0	\$0	\$0
31	September	30	49.86%	\$0	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Li	ne 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration	Lina	39 × 0.5	\$0	\$0	\$0	\$0
41	Proration Adjustment		39 × 0.5 3 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0

Column Notes: (i) Sum of remaining days in the year (Col (h)) divided by 365 (j) & (k) Current Year Line $25 \div 12 \times$ Current Month Col (i)

RIPUC Docket No. 4770

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - DSCADA & ADMS

		5,			
Line <u>No.</u>			Rate Year 2 Ending <u>8/31/2020</u>	Rate Year 2 Ending <u>8/31/2021</u>	Rate Year 3 Ending <u>8/31/2022</u>
	Estimated Capital Investment		(a)	(b)	(c)
1	DSCADA & ADMS		\$0	\$0	\$0
2	Total Estimated Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base				
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	FY 2021 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.89%	2.89%	2.89%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50% ; Column (b and c) = Line 5 * Line 12	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
	Deferred Tax Calculation:				
16	Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0
19 20	Less: FY 2021 Federal NOL Net Deferred Tax Reserve	Some of Lines 18 through 10	<u>\$0</u> \$0	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19		20	20
	Rate Base Calculation:				
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0
23 24	Deferred Tax Reserve Year End Rate Base	- Line 20 Sum of Lines 21 through 23	\$0 \$0	\$0 \$0	\$0 \$0
	Revenue Requirement Calculation:				
		Column (a) = Current Year Line 25 ÷ 2; Column (b and c) = (Prior Year Line 25			
25	Average Rate Base befor Deferred Tax Proration Adjustment	+ Current Year Line 25) \div 2	\$0	\$0	\$0
26	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0	\$0	\$0
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
	-	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,			
28	Pre-Tax ROR	Workpaper MAL-6	8.23%	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-6

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

RIPUC Docket No. 4770

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2 IS Capital Investments Synergy Grid Mod - DSCADA & ADMS

			Data Maan 2 Ending D	to Vera 2 Fadian D	to Vera 2 Endine
Line			Rate Year 2 Ending Ra 8/31/2020	8/31/2021	8/31/2022
No.			(a)	(b)	(c)
1101	Capital Repairs Deduction		(4)	(0)	(0)
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%		
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-8 Page 7 of 13

(b)

(c)

(a)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2 Net Deferred Tax Reserve Proration Synergy Grid Mod - DSCADA & ADMS

Line				(a) RY20	(b) RY21	(C) RY22
No.	Deferred Tax Subject to Proration			R120	11121	11122
	-					
1	Book Depreciation	U ,	ne 12 ,Col (a) and Col (b)	\$0	\$0	\$0
2	Bonus Depreciation	- Page 16 of 2	25 , Line 12 ,Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 10	5 of 25 , Col (d)	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 2	25, Line 19, Col (a)	\$0		
5	Cumulative Book / Tax Timer	Sum of L	ines 1 through 4	\$0	\$0	\$0
6	Effective Tax Rate		Ū.	21%	21%	21%
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	- Page 16 of	25 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of	25 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022	c	, , , , ,			
11	Cumulative Book / Tax Timer	Line 8 + 1	Line 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line	11 × Line 12	\$0		
14	Total Deferred Tax Reserve	Line	7 + Line 13	\$0	\$0	\$0
15	Net Operating Loss		25 , Line 17 ,Col (a)	\$0	<i>\$</i> 0	<i>\$</i> 0
16	Net Deferred Tax Reserve		14 + Line 15	\$0 \$0	\$0	\$0
10		Line		<i>\$</i> 0	<i>\$</i> 0	<i>\$</i> 0
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0		
19	Total Cumulative Book/Tax Timer	Line	17 + Line 18	\$0		
20	Total FY 2022 Federal NOL	- Page 15 of 25 ,	Line 17 ,Col (a)÷21%	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ I	Line 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ I	Line 19) × Line 20			
23	Effective Tax Rate			21%		
24	Deferred Tax Benefit subject to proration	Line	22 × Line 23	\$0		
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)
		Number of Days in		<i>s</i> ,	. /	
	Proration Calculation	Month	Proration Percentage	RY20	RY21	RY22
26	April	30	91.78%	\$0	\$0	\$0
27	May	31	83.29%	\$0	\$0	\$0
28	June	30	75.07%	\$0	\$0	\$0
29	July	31	66.58%	\$0	\$0	\$0
30	August	31	58.08%	\$0	\$0	\$0
31	September	30	49.86%	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0
39	Deferred Tax Without Proration	1	Line 25	\$0	\$0	\$0
40	Average Deferred Tax without Proration					
			e 39 × 0.5	\$0	\$0	\$0
41	Proration Adjustment	Line	38 - Line 40	\$0	\$0	\$0

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)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - DSCADA & ADMS

		v ov		
Line			Rate Year 3 Ending	Rate Year 4 Ending
No.			8/31/2021	8/31/2022
	Estimated Capital Investment		(a)	(b)
1	DSCADA & ADMS		\$0	\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$0	\$0
	Depreciable Net Capital Included in Rate Base			
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4, them = Column (a)	\$0	\$0
	Change in Net Capital Included in Rate Base			
6	Capital Included in Rate Base	Line 2	\$0	\$0
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	FY 2022 Spend	Page 9 of 13, Line 21	\$0	\$0
11	Cumulative Tax Depreciation	Current Year Line 10	\$0	\$0
	Book Depreciation			
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.89%	2.89%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12	\$0	\$0
14	Cumulative Book Depreciation	Current Year Line 13	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0
	Deferred Tax Calculation:			
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0
17	Effective Tax Rate	Line 16 * Line 17	21.00%	21.00%
18 19	Deferred Tax Reserve Less: FY 2022 Federal NOL	Line 16 * Line 17	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0
	Revenue Requirement Calculation:			
25		Column (a) = Current Year Line $25 \div 2$; Column (b) = (Prior Year Line $25 + Current$		
25 26	Average Rate Base befor Deferred Tax Proration Adjustment Proration Adjustment	Year Line 25) $\div 2$	\$0.00 \$0	\$0.00
20 27	Average ISR Rate Base after Deferred Tax Proration	, Line 41, Col (j) through Col. (k) Line 25 + Line 26	\$0 \$0	\$0 \$0
41	Average for trate base after befored tax i foldtion	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper	φU	φυ
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-6

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 3 IS Capital Investments Synergy Grid Mod - DSCADA & ADMS

Line No.			Rate Year 3 Ending <u>8/31/2021</u> (a)	Rate Year 4 Ending $\frac{8/31/2022}{(b)}$
1101	Capital Repairs Deduction		(4)	(0)
1	Plant Additions	Page 8 of 13, Line 2	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.75%	7.22%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		Sum of Lines 3, 12, 18, 19, and		
21	Total Tax Depreciation and Repairs Deduction	20	\$0	\$0

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-8 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 3 Net Deferred Tax Reserve Proration Synergy Grid Mod - DSCADA & ADMS

Line No.	Deferred Tax Subject to Proration			(a) RY21	(b) RY22
1	Book Depreciation	Dece 15 of 25 Line	12 ,Col (a) and Col (b)	\$0	\$0
2	Bonus Depreciation		, Line 12 ,Col (a)	\$0 \$0	30
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25 , Col (d)	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer		es 1 through 4	\$0	\$0
6	Effective Tax Rate		C C	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	- Page 16 of 25	5 , Line 3 ,Col (a)	\$0	
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022				
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0
15	Net Operating Loss	- Page 15 of 25	, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0	
18	Cumulative Book/Tax Timer Not Subject to Proration	Li	ne 11	\$0	
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0	
20	Total FY 2022 Federal NOL	- Page 15 of 25 , I	Line 17 ,Col (a)÷21%	\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Lir	ne 19) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lir	ne 19) × Line 20		
23	Effective Tax Rate			21%	
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0
		(h)	(i)	(j)	(k)
		Number of Days in			
	Proration Calculation	Month	Proration Percentage	RY21	RY22
26	April	30	91.78%	\$0	\$0
27	May	31	83.29%	\$0	\$0
28	June	30	75.07%	\$0	\$0
29	July	31	66.58%	\$0	\$0
30	August	31	58.08%	\$0	\$0
31	September	30	49.86%	\$0	\$0
32	October	31	41.37%	\$0	\$0
33	November	30	33.15%	\$0	\$0
34	December	31	24.66%	\$0	\$0
35	January	31	16.16%	\$0	\$0
36	February	28	8.49%	\$0	\$0
37	March	31	0.00%	\$0	\$0
38	Total	365		\$0	\$0
39	Deferred Tax Without Proration	Li	ne 25	\$0	\$0
40	Average Deferred Tax without Proration				
			39 × 0.5	\$0	\$0
41	Proration Adjustment	Line 38	3 - Line 40	\$0	\$0

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)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - DSCADA & ADMS

Line <u>No.</u>			Rate Year 3 Ending <u>August 31, 2022</u> (a)
	Estimated Capital Investment		(a)
1	DSCADA & ADMS		\$3,848,318
2	Total Estimated Capital Investment	Sum of Line 1	\$3,848,318
	Depreciable Net Capital Included in Rate Base		
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$3,848,318
4	Retirements	Line 4 * 0%	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4	\$3,848,318
	Change in Net Capital Included in Rate Base		
6	Capital Included in Rate Base	Line 2	\$3,848,318
7	Cost of Removal		\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$3,848,318
	Tax Depreciation		
9	Vintage Year Tax Depreciation:		
10	FY 2023 Spend	Page 12 of 13, Line 21	\$144,312
11	Cumulative Tax Depreciation	Current Year Line 10	\$144,312
	Book Depreciation		
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.89%
13	Book Depreciation	Column (a) = Line 5* Line 12 * 50%	\$55,608
14	Cumulative Book Depreciation	Current Year Line 13	\$55,608
15	Total Cumulative Book Depreciation	Line 14	\$55,608
	Deferred Tax Calculation:		
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$88,704
17	Effective Tax Rate		21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$18,628
19	Less: FY 2023 Federal NOL		\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$18,628
	Rate Base Calculation:		
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$3,848,318
22	Accumulated Depreciation	- Line 15	(\$55,608)
23	Deferred Tax Reserve	- Line 20	(\$18,628)
24	Year End Rate Base	Sum of Lines 21 through 23	\$3,774,082
	Revenue Requirement Calculation:		64 00 7 0 · ·
25	Average Rate Base before Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$	\$1,887,041
26 27	Proration Adjustment	Page 13 of 13, Line 41, Col (j) through Col. (k)	\$800
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26 Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper	\$1,887,841
28	Pre-Tax ROR	6	8.23%
29	Return and Taxes	Line 25 * Line 28	\$155,369
30	Book Depreciation	Line 13	\$55,608
31	Annual Revenue Requirement	Line 29 + Line 30	\$210,977

 $1/\:$ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Wkp $6\:$

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

RIPUC Docket No. 4770

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 4 IS Capital Investments Synergy Grid Mod - DSCADA & ADMS

Line No.			Rate Year 3 Ending <u>8/31/2022</u> (a)
	Capital Repairs Deduction		
1	Plant Additions	Page 11 of 13, Line 2	\$3,848,318
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$3,848,318
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$3,848,318
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$3,848,318
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$3,848,318
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$3,848,318
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.75%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$144,312
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0
		Sum of Lines 3, 12, 18, 19, and	
21	Total Tax Depreciation and Repairs Deduction	20	\$144,312

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-8 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 4 Net Deferred Tax Reserve Proration Synergy Grid Mod - DSCADA & ADMS

RIPUC Docket No. 4770

<u>No.</u> 1 2 3 4 5	Deferred Tax Subject to Proration Book Depreciation Bonus Depreciation	Page 15 of 25 Line		
2 3 4		Page 15 of 25 Line		
3 4	Bonus Depreciation	1 450 10 01 20 , Lille	e 12 ,Col (a) and Col (b)	\$55,608
4		- Page 16 of 25	5, Line 12, Col (a)	\$0
	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	(\$144,312)
5	FY22 tax (gain)/loss on retirements	- Page 16 of 25	5 , Line 19 ,Col (a)	\$0
	Cumulative Book / Tax Timer	Sum of Lir	nes 1 through 4	(\$88,704)
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Line	5 × Line 6	(\$18,628)
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction		5, Line 3, Col (a)	\$0
9	Cost of Removal	- Page 15 of 2	5, Line 7, Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10		\$0
12	Effective Tax Rate			21%
13	Deferred Tax Reserve	Line 1	1 × Line 12	\$0
14	Total Deferred Tax Reserve	Line 7	+ Line 13	(\$18,628)
15	Net Operating Loss	- Page 15 of 25 , Line 17 ,Col (a)		\$0
16	Net Deferred Tax Reserve	Line 14 + Line 15		(\$18,628)
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	(\$88,704)
18	Cumulative Book/Tax Timer Not Subject to Proration		ine 11	\$0
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		(\$88,704)
20	Total FY 2022 Federal NOL	- Page 15 of 25 , Line 17 ,Col (a)÷21%		\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line $18 \div \text{Line } 19$) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20		
23	Effective Tax Rate			21%
24	Deferred Tax Benefit subject to proration	Line 22	2 × Line 23	\$0
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	(\$18,628)
		(h)	(i)	(j)
		Number of Days in	_	
	Proration Calculation	Month	Proration Percentage	RY22
26	April	30	91.78%	(\$1,425)
27	May	31	83.29%	(\$1,293)
28	June	30	75.07%	(\$1,165)
29	July	31	66.58%	(\$1,033)
30	August	31	58.08%	(\$902)
31	September	30	49.86%	(\$774)
32	October	31	41.37%	(\$642)
33	November	30	33.15%	(\$515)
34	December	31	24.66%	(\$383)
35	January	31	16.16%	(\$251)
36	February	28	8.49%	(\$132)
37	March	31	0.00%	\$0
38	Total	365		(\$8,514)
39	Deferred Tax Without Proration	L	ine 25	(\$18,628)
40	Average Deferred Tax without Proration	I ine	39 × 0.5	(\$9,314)
41	Proration Adjustment		8 - Line 40	\$800

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 Power Sector Transformation (PST) Grid Mod Synergy - RTU Separation Rate Year Annual Revenue Requirement Summary - Electric Only

			Rate Year 1 Ending 8/31/2019 (a)	Rate Year 2 Ending 8/31/2020 (b)	Rate Year 3 Ending 8/31/2021 (c)	Rate Year 4 Ending 8/31/2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:		(4)	(5)	(0)	(4)
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$41,804	\$60,000	\$60,000
4	GIS Data Enhancement		\$0	\$0	\$0	\$0
5	DSCADA & ADMS		\$0	\$0	\$0	\$0
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$0	\$0	
11	Telecommunications		\$0	\$0	\$0	
12	Cybersecurity		\$0	\$0	\$0	
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$0	\$41,804	\$60,000	\$60,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	
15	GIS Data Enhancement		\$0	\$0	\$0	
16	Enterprise Service Bus		\$0	\$0	\$0	
17	Data Lake		\$0	\$0	\$0	
18	PI Historian		\$0	\$0	\$0	
19	Advanced Analytics		\$0	\$0	\$0	
20	Telecommunications		\$0	\$0	\$0	
21	Cybersecurity		\$0	\$0	\$0	
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$0	\$41,804	\$60,000	\$60,000
24	Electric Capital Investment:					
25	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		\$0	\$0	\$0	\$0
26	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		50	\$0	\$0	
27	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Investment				\$0	
28	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 Capital Investment					\$26,507
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$0	\$26,507
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		\$0	\$0	\$0	\$0
32	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 Capital Investment			\$0	\$0	\$0
33	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Investment				\$0	
34	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 Capital Investment					\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$0	\$41,804	\$60,000	\$86,507
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$0	\$41,804	\$60,000	\$86,507

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - RTU Separation

$ \begin{array}{c c c c c c c } \hline \text{Pointed Capital Investment} & & & & & & & & & & & & & & & & & & &$	r 4 Ending /2022
Free base Sum of Line 1 So 50 So 50 2 Total Actual Capital Included in Rate Base in Current Year Line 2 + 0/5 So 50 So 50 3 Total Actual Capital Included in Rate Base in Current Year Line 2 + 0/5 So 50 So 50 4 Retirements So 10 So 10 So 10 So 10 4 Retirements Capital Included in Rate Base Column (a) - Line 3 - Line 4 - 0/5 So 10 So 10 So 10 6 Capital Included in Rate Base Column (a) - Line 4 - 0/5 So 10 So 10 So 10 6 Capital Included in Rate Base Column (a) - Line 4 - Line 7 So 10 So 10 So 10 7 Cotal Removal So 10 So 10 So 10 So 10 So 10 9 Vintage Year Tax Depreciation Page 3 of 13, Line 21 So 10 So 10 So 10 So 10 1 Camulative Tax Depreciation Column (a) - Line 4 - Line 7.0 So 10	d)
2 Total Actual Capital Investment Sum of Line 1 50 50 50 3 Total Alcual Capital Investment Line 4* 0% 50 50 50 4 Reiterments Line 4* 0% 50 50 50 50 5 Not Depreciable Capital Included in Rate Base Column (a) – Line 3 - Line 4; Column (b al. c) – Prior Year Line 5 50 50 50 6 Capital Included in Rate Base Line 2 50 50 50 50 7 Cost of Removal Line 6 + Line 7 50 50 50 50 7 Cost of Removal Line 6 + Line 7 50 50 50 50 8 Total Net Phase in Service Including Cost of Removal Line 6 + Line 7 50 50 50 9 Vintage Year Tax Depreciation: Page 3 of 13, Line 21 50 50 50 50 10 FY 2020 Speed Prior Year Line 10 50 50 50 50 12 Composition Composition Composition Prior Year Line 14 50 50 50 14 Commositie Book	
Interface the experiment of the state flags Interface Interface Interface 3 Total Allowed Cipital Included in Rate Base Line 2 S0 S0 S0 5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 + Line 4 (column (b and c) = Prior Year Line 5 S0 S0 S0 6 Capital Included in Rate Base Line 2 S0 S0 S0 7 Control Included in Rate Base Line 2 S0 S0 S0 7 Control Included in Rate Base Line 2 S0 S0 S0 6 Capital Included in Rate Base Line 2 S0 S0 S0 7 Cont of Removal S0 S0 S0 S0 8 Intel Section S0 S0 S0 S0 9 Vintage Year Yan Depreciation Page 3 of 13, Line 21 S0 S0 S0 10 Commoditive Book Depreciation Prior Year Line 11 + Current Year Line 10 S0 S0 S0 12 Composite Book Depreciation As filed per R1P U.C. Docket No. 4770 2.89% 2.89% 2.89% 13 Book Depreciation Column (b, - Line 15 * S0 S0 S0 S0 14 S0 S0 <t< td=""><td>\$0</td></t<>	\$0
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Change in NFC optial Included in Rate Base Line 2 S0 S0 S0 6 Capital Included in Rate Base Line 2 S0 S0 S0 7 Cost of Removal S0 S0 S0 S0 8 Tetal Net Plant in Service Including Cost of Removal Line 6 + Line 7 S0 S0 S0 9 Vintage Year Tax Depreciation Page 3 of 13, Line 21 S0 S0 S0 S0 10 FY 2020 Spend Page 3 of 13, Line 21 S0 S0 S0 S0 12 Composite Book Depreciation Prior Year Line 11 + Current Year Line 10 S0 S0 S0 S0 12 Composite Book Depreciation Rate As field per RLP U.C. Docket No 4770 2.80% 2.80% 2.80% 2.80% 2.80% 5.00 S0 13 Book Depreciation Column (a) - Line 5 * Line 12 * 50% (: Column (b, c, and d) = Line 5 * S0 S0 S0 14 Composite Book Depreciation Column (a) - Line 14 S0 S0 S0 15 Total Cumulative Book Depreciation Line 14 * Line 15 S0 S0 S0 16 Cumulative Book Preciation	\$0
6 Capital Included in Rate Base Line 2 S0 S0 S0 7 Cost of Removal S0 S0 S0 S0 8 Total Net Plant in Service Including Cost of Removal Line 6 + Line 7 S0 S0 S0 9 Vintage Year Tax Depreciation: 9 Vintage Year Tax Depreciation: S0 S0 S0 9 Vintage Year Tax Depreciation: S0 S0 S0 S0 S0 10 Carnulative Tax Depreciation Prior Year Line 11 - Current Year Line 10 S0 S0 S0 12 Composite Book Depreciation Rate As filed per R.I.P.U.C. Docket No. 4770 2.89% 2.89% 2.89% 13 Book Depreciation Column (a) = Line 5* Line 12* 50%; Column (b, e, and d) = Line 5* S0 S0 S0 14 Combative Book Depreciation Column (a) = Line 5* Line 12* 50%; Column (b, e, and d) = Line 5* S0 S0 S0 15 Total Curulative Book Depreciation Line 14 S0 S0 S0 16 Curulative Book / Tax Timer Line 16* Line 17 S0 S0 S0 S0 S0 <	\$0
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9Vintage Year Tax Depreciation: FY 2020 SpendPage 3 of 13, Line 21 Prior Year Line 11 + Current Year Line 1050505010FY 2020 SpendPrior Year Line 11 + Current Year Line 105050505011Composite Book Depreciation RateAs filed per R.I.P.U.C. Docket No. 4770 2.89% 2.89% 2.89% 2.89% 2.89% 50 50 50 15Total Cumulative Book DepreciationLine 14Commutative Book Tax Timer 1 Line 11 - Line 15 50 50 50 50 16Cumulative Book Tax Timer 1 Line 16 * Line 17 50 50 50 50 17Effective Tax Reserve 1 Sum of Lines 18 through 19 50 50 50 50 20Net Deferred Tax Reserve 1 Line 15 50 50 50 50 50 21Cumulative Incremental Capital Included in Rate Base 1 Line 16 1 50 50 50 <td></td>	
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12Composite Book Depreciation RateAs filed pre RLP U.C. Docket No. 47702.89%2.89%13Book DepreciationColumn (a) = Line 5 * Line 12 * 50%; Column (b, c, and d) = Line 5 *S0S0S014Cumulative Book DepreciationLine 14 + Current Year Line 13S0S0S015Total Cumulative Book DepreciationLine 14S0S0S016Cumulative Book / Tax TimerLine 11 - Line 15S0S0S016Cumulative Book / Tax TimerLine 11 - Line 15S0S0S017Effective Tax Rate21.00%21.00%21.00%18Deferred Tax ReserveLine 16 * Line 17S0S0S020Net Deferred Tax ReserveSum of Lines 18 through 19S0S0S021Cumulative Book Incernental Capital Included in Rate BaseLine 8S0S0S022Accumulated Depreciation- Line 20S0S0S023Deferred Tax ReserveSum of Lines 21 through 23S0S0S024Year End Rate BaseSum of Lines 21 through 23S0S0S024Year End Rate BaseSum of Lines 21 through 23S0S0S024Year End Rate BaseSum of Lines 21 through 23S0S0S025Column (a) = Current Year Line 25 + 2; Column (b,c, and d) = (PriorS0S0S0	\$0
12Composite Book Depreciation RateAs filed per RLP U.C. Docket No. 47702.89%2.89%13Book DepreciationColumn (a) = Line 5 * Line 12 * 50%; Column (b, c, and d) = Line 5 *S0S0S014Cumulative Book DepreciationLine 14 + Current Year Line 13S0S0S015Total Cumulative Book DepreciationLine 14S0S0S016Cumulative Book / Tax TimerLine 11 - Line 15S0S0S016Cumulative Book / Tax TimerLine 11 - Line 15S0S0S017Effective Tax Rate21.00%21.00%21.00%18Deferred Tax ReserveLine 16 * Line 17S0S0S020Net Deferred Tax ReserveSum of Lines 18 through 19S0S0S021Cumulative Book Depreciation- Line 8S0S0S022Accumulative Incremental Capital Included in Rate BaseLine 8S0S0S023Deferred Tax ReserveSum of Lines 21 through 23S0S0S024Year End Rate BaseSum of Lines 21 through 23S0S0S025Column (a) = Current Year Line 25 + 2; Column (b,c, and d) = (PriorS0S0S0 </td <td></td>	
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Deferred Tax Calculation: 50 50 50 16 Cumulative Book / Tax Timer Line 11 - Line 15 \$0 \$0 \$0 17 Effective Tax Rate 21.00% 21.00% 21.00% 21.00% 18 Deferred Tax Reserve Line 16 * Line 17 \$0 \$0 \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$0 \$0 \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$0 \$0 \$0 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$0 \$0 \$0 22 Accumulated Depreciation - Line 16 \$0 \$0 \$0 23 Deferred Tax Reserve Sum of Lines 21 through 23 \$0 \$0 \$0 24 Year End Rate Base Sum of Lines 21 through 23 \$0 \$0 \$0 Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior	\$0
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19 Less: FY 2020 Federal NOL \$0 \$0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 \$0 \$0 \$0 Rate Base Calculation: 21 Cumulative Incremental Capital Included in Rate Base Line 8 \$0 \$0 \$0 23 Deferred Tax Reserve - Line 15 \$0 \$0 \$0 23 Deferred Tax Reserve - Line 20 \$0 \$0 \$0 24 Year End Rate Base Sum of Lines 21 through 23 \$0 \$0 \$0 Revenue Requirement Calculation:	21.00% \$0
20 Net Deferred Tax Reserve Sum of Lines 18 through 19 Rate Base Calculation: 21 Cumulative Incremental Capital Included in Rate Base 22 Accumulated Depreciation 23 Deferred Tax Reserve 24 Year End Rate Base 25 Sum of Lines 21 through 23 26 Sum of Lines 21 through 23 27 Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior	\$0 \$0
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22 Accumulated Depreciation - Line 15 \$0 \$0 23 Deferred Tax Reserve - Line 20 \$0 \$0 24 Year End Rate Base Sum of Lines 21 through 23 \$0 \$0 Revenue Requirement Calculation:	
23 Deferred Tax Reserve - Line 20 \$0 \$0 24 Year End Rate Base Sum of Lines 21 through 23 \$0 \$0 Revenue Requirement Calculation: Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior	\$0
24 Year End Rate Base Sum of Lines 21 through 23 \$0 \$0 \$0 Revenue Requirement Calculation: Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior	\$0 50
Revenue Requirement Calculation: Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior	\$0 \$0
Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior	
75 Average Rate Base befor Deterred Tax Protation Adjustment Vear Line 25 ± Current Year Line 25) ± 2 \$0.00 \$0 \$0 \$0	
26 Protein Adjustment Page 4 of 13, Line 41, Col (1) through Col. (m) \$0 \$0 \$0	\$0 \$0
20 Proration Adjustment 50 50 27 Average ISR Rate Base after Deferred Tax Proration Line 25 + Line 26 \$0 \$0 \$0 \$0	\$0 \$0
	ψŪ
28 Pre-Tax ROR <u>8.23% 8.23% 8.23%</u>	8.23%
29 Return and Taxes Line 27 * Line 28 \$0 \$0 \$0	\$0
30Book DepreciationLine 13\$0\$0\$0	\$0
31 Annual Revenue Requirement Line 29 + Line 30 \$0 \$0 \$0	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2019 IS Capital Investments Synergy Grid Mod - RTU Separation

Synergy	Grid	Mod -	RTU	Separat	10

Line			Rate Year 1 Ending 8/31/2019	Rate Year 2 Ending 8/31/2020	Rate Year 3 Ending 8/31/2021	Rate Year 4 Ending 8/31/2022
						(d)
<u>No.</u>	Capital Repairs Deduction		(a)	(b)	(c)	(d)
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 100%	0.00%			
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%			
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%			
12	Bonus Depreciation	Line 8 * Line 11	\$0			
	Remaining Tax Depreciation					
13	Plant Additions	Line 1	\$0			
14	Less Capital Repairs Deduction	Line 3	\$0			
15	Less Bonus Depreciation	Line 12	\$0			
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.75%	7.22%	6.68%	6.18%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	FY20 Loss incurred due to retirements		\$0	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$0	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-9 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2019 Net Deferred Tax Reserve Proration Synergy Grid Mod - RTU Separation

Line				(a) Rate Year 1 Ending	(b) Rate Year 2 Ending	(c) Rate Year 3 Ending	(c) Rate Year 4 Ending
No.	Deferred Tax Subject to Proration						
1 2	Book Depreciation Bonus Depreciation	Page 15 of 25 , Line 12 - Page 16 of 25 , 1		\$0 \$0	\$0	\$0	\$0
3	Remaining MACRS Tax Depreciation	- Page 16 of 2	25 , Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25, 1		\$0			
5	Cumulative Book / Tax Timer	Sum of Lines	1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%	21%
7	Deferred Tax Reserve	Line 5 ×	Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction	- Page 16 of 25,	Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 25,	Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + Line	9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line 11 ×	Line 12	\$0			
14	Total Deferred Tax Reserve	Line 7 +	Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss	- Page 15 of 25,	Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14 +	Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	Line	5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration	Line		\$0			
19	Total Cumulative Book/Tax Timer	Line 17 +	Line 18	\$0			
20	Total FY 2022 Federal NOL	- Page 15 of 25 , Lin	a 17. Cal (a)÷21%	\$0			
20	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Line		30			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Line					
23	Effective Tax Rate	(Ente I) Ente	i)) Enic 20	21%			
24	Deferred Tax Benefit subject to proration	Line 22 ×	Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7+	Line 24	\$0	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)	(m)
		Number of Days in			.,		
	Proration Calculation		roration Percentage	Rate Year 1 Ending	Rate Year 2 Ending	Rate Year 3 Ending	Rate Year 4 Ending
26	April	30	91.78%	\$0	\$0	\$0	\$0
27 28	May June	31 30	83.29% 75.07%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
28 29	July	30	66.58%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
30	August	31	58.08%	\$0 \$0	\$0	\$0 \$0	\$0 \$0
31	September	30	49.86%	\$0 \$0	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Line	25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration	.			~-		
41	Proration Adjustment	Line 39 Line 38 -		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
••		Ente 50 -		\$ 0	\$ 0	50	40

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - RTU Separation

Line <u>No.</u>			Rate Year 2 Ending <u>8/31/2020</u> (a)	Rate Year 2 Ending <u>8/31/2021</u> (b)	Rate Year 3 Ending <u>8/31/2022</u> (c)
	Estimated Capital Investment		(a)	(0)	(e)
1	RTU Separation		\$0	\$0	\$0
2	Total Estimated Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4 5	Retirements Net Depreciable Capital Included in Rate Base	Line 4 * 0% Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	<u>\$0</u> \$0	\$0 \$0	\$0 \$0
5	Net Depreciable Capital included in Kate Base	Column (a) – Line 5 - Line 4, Column (b and c) – Prior Tear Line 5	30	30	30
,	Change in Net Capital Included in Rate Base		6 0	.	
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	FY 2021 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.89%	2.89%	2.89%
13 14	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12 Prior Year Line 14 + Current Year Line 13	\$0 \$0	\$0 \$0	\$0 \$0
	·				
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
16	Deferred Tax Calculation: Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
10	Effective Tax Rate	Line 11 - Line 14	21.00%	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0
19	Less: FY 2021 Federal NOL		\$0	\$0	\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0
	Rate Base Calculation:				
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0
23 24	Deferred Tax Reserve Year End Rate Base	- Line 20 Sum of Lines 21 through 23	<u>\$0</u> \$0	\$0 \$0	\$0 \$0
24		Sun of Enes 21 through 25		\$U	50
	Revenue Requirement Calculation:				
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line 25 \div 2; Column (b and c) = (Prior Year Line 25 + Current Year Line 25) \div 2	\$0	\$0	\$0
25	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0 \$0	\$0 \$0	\$0 \$0
20	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
	5	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,			
28	Pre-Tax ROR	Workpaper MAL-6	8.23%	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2020 IS Capital Investments Synergy Grid Mod - RTU Separation

			Rate Year 2 Ending R		
Line			8/31/2020	8/31/2021	8/31/2022
<u>No.</u>			(a)	(b)	(c)
	Capital Repairs Deduction				
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%		
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.75%	7.22%	6.68%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
_ 0		- 1 <u>5</u> - 5 61 15, 2110 /		40	<i>40</i>
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0	\$0	\$0
-	1 1 1			**	**

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-9 Page 7 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2020 Net Deferred Tax Reserve Proration Synergy Grid Mod - RTU Separation

Line No.	Deferred Tax Subject to Proration			(a) RY20	(b) RY21
	·				
1	Book Depreciation		12 ,Col (a) and Col (b)	\$0	\$0
2	Bonus Depreciation	- Page 16 of 25	, Line 12 ,Col (a)	\$0	
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25 , Col (d)	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0
6	Effective Tax Rate			21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	- Page 16 of 25	5 , Line 3 ,Col (a)	\$0	
9	Cost of Removal		5 , Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022	0			
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0 \$0	40
16	Net Deferred Tax Reserve		+ Line 15	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	I	ine 5	\$0	
18	Cumulative Book/Tax Timer Subject to Protation		ne 11	\$0 \$0	
19	Total Cumulative Book/Tax Timer		' + Line 18	\$0 \$0	
20	Total FY 2022 Federal NOL	Page 15 of 25 I	Line 17 ,Col (a)÷21%	\$0	
20	Allocated FY 2021 Federal NOL Not Subject to Proration		ne 19) × Line 20	4 0	
21	Allocated FY 2021 Federal NOL Subject to Proration		ne 19) × Line 20		
22	Effective Tax Rate	(Line 17 · Li	10^{-17}) \times Ellie 20	21%	
23	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0
25	Net Defened Tax Reserve subject to profation	Line /	Line 24	30	30
		(h)	(i)	(j)	(k)
	Promotion Colorated	Number of Days in Month		DV20	DV21
26	Proration Calculation April	<u>30</u>	Proration Percentage 91.78%	RY20 \$0	RY21 \$0
20	May	31	83.29%	\$0	\$0 \$0
27	June	30	75.07%	\$0	\$0 \$0
20	July	31	66.58%	\$0	\$0 \$0
30	August	31	58.08%	\$0	\$0
31	September	30	49.86%	\$0	\$0
32	October	31	41.37%	\$0	\$0
33	November	30	33.15%	\$0 \$0	\$0
34	December	31	24.66%	\$0	\$0
35	January	31	16.16%	\$0	\$0
36	February	28	8.49%	\$0	\$0
37	March	31	0.00%	\$0	\$0
38	Total	365		\$0	\$0
39	Deferred Tax Without Proration	T i	ne 25	\$0	\$0
40	Average Deferred Tax without Proration	LI		40	40
	0	Line	39×0.5	\$0	\$0
41	Proration Adjustment	Line 38	3 - Line 40	\$0	\$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - RTU Separation

Line <u>No.</u>			Rate Year 3 Ending <u>8/31/2021</u> (a)	Rate Year 4 Ending <u>8/31/2022</u> (b)
	Estimated Capital Investment		(a)	(0)
1 2	RTU Separation Total Estimated Capital Investment	Sum of Line 1	<u>\$0</u> \$0	\$0 \$0
	Depreciable Net Capital Included in Rate Base			
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4, them = Column (a)	\$0	\$0
	Change in Net Capital Included in Rate Base			
6	Capital Included in Rate Base	Line 2	\$0	\$0
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	FY 2022 Spend	Page 9 of 13, Line 21	\$0	\$0
11	Cumulative Tax Depreciation	Current Year Line 10	\$0	\$0
12	Book Depreciation	As annual an DIDUC Destative 4770	2.89%	2.89%
12	Composite Book Depreciation Rate Book Depreciation	As approved per R.I.P.U.C. Docket No. 4770 Column (a) = Line $5 *$ Line $12 * 50\%$; Column (b) = Line $5 *$ Line 12	2.89%	2.89% \$0
14	Cumulative Book Depreciation	Current Year Line 13	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0
	Deferred Tax Calculation:			
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%
18 19	Deferred Tax Reserve Less: FY 2022 Federal NOL	Line 16 * Line 17	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0
	Revenue Requirement Calculation:			
25	Assessed Date Date Later Data 177 Data 187	Column (a) = Current Year Line $25 \div 2$; Column (b) = (Prior Year Line $25 + $ Current	en no	en no
25 26	Average Rate Base befor Deferred Tax Proration Adjustment Proration Adjustment	Year Line 25) \div 2 , Line 41, Col (j) through Col. (k)	\$0.00 \$0	\$0.00 \$0
20	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0
	· · · · · · · · · · · · · · · · · · ·	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper		
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2021 IS Capital Investments Synergy Grid Mod - RTU Separation

Line			Rate Year 3 Ending <u>8/31/2021</u>	8/31/2022
<u>No.</u>			(a)	(b)
	Capital Repairs Deduction			
1	Plant Additions	Page 8 of 13, Line 2	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	\$0
14	Less Capital Repairs Deduction	Line 3	\$0	\$0
15	Less Bonus Depreciation	Line 12	\$0	\$0
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Per IRS Publication 946	3.75%	7.22%
18	20 YR MACRS Tax Depreciation Rates	Line 16 * Line 17	\$0	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		6)		
		Sum of Lines 3, 12, 18, 19, and		
21	Total Tax Depreciation and Repairs Deduction	20	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-9 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2021 Net Deferred Tax Reserve Proration Synergy Grid Mod - RTU Separation

Line No.	Deferred Tax Subject to Proration			(a) RY21	(b) RY22
1	Book Depreciation	Page 15 of 25 Line	12 ,Col (a) and Col (b)	\$0	\$0
2	Bonus Depreciation		, Line 12 ,Col (a)	\$0 \$0	\$ 0
3	Remaining MACRS Tax Depreciation	- Page 16 c	of 25 , Col (d)	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0
6	Effective Tax Rate			21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction		, Line 3 ,Col (a)	\$0 ©0	
9 10	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022 Cumulative Book / Tax Timer	Ling 8 + Li	ne 9 + Line 10	\$0	
12	Effective Tax Rate	Line o + Li	lie 9 + Line 10	21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration		ine 5	\$0	
18	Cumulative Book/Tax Timer Not Subject to Proration		ne 11	\$0	
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0	
20	Total FY 2022 Federal NOL	- Page 15 of 25 , L	ine 17 ,Col (a)÷21%	\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ne 19) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lir	ne 19) × Line 20		
23	Effective Tax Rate			21%	
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0
		(h)	(i)	(j)	(k)
		Number of Days in			
	Proration Calculation	Month	Proration Percentage	RY21	RY22
26	April	30	91.78%	\$0 \$0	\$0 \$0
27 28	May June	31 30	83.29% 75.07%	\$0 \$0	\$0 \$0
28	July	31	66.58%	\$0 \$0	\$0 \$0
30	August	31	58.08%	\$0	\$0 \$0
31	September	30	49.86%	\$0	\$0
32	October	31	41.37%	\$0	\$0
33	November	30	33.15%	\$0	\$0
34	December	31	24.66%	\$0	\$0
35	January	31	16.16%	\$0	\$0
36	February	28	8.49%	\$0	\$0
37	March	31	0.00%	\$0 \$0	\$0 \$0
38	Total	365		20	20
39	Deferred Tax Without Proration	Li	ne 25	\$0	\$0
40	Average Deferred Tax without Proration			<i>*</i> -	
41	Departies A division on t		39 × 0.5 - Line 40	\$0 \$0	\$0 \$0
41	Proration Adjustment	Line 38	- Line 40	20	20

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - RTU Separation

Line <u>No.</u>			Rate Year 3 Ending <u>31-Aug-22</u>
	Estimated Capital Investment		(a)
1	RTU Separation		\$483,491
2	Total Estimated Capital Investment	Sum of Line 1	\$483,491
	Depreciable Net Capital Included in Rate Base		A 40 A 404
3 4	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 2 Line 4 * 0%	\$483,491
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4	\$0 \$483,491
	Change in Net Capital Included in Rate Base		
6	Capital Included in Rate Base	Line 2	\$483,491
7	Cost of Removal		\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$483,491
	Tax Depreciation		
9	Vintage Year Tax Depreciation:		
10	FY 2023 Spend	Page 12 of 13, Line 21	\$18,131
11	Cumulative Tax Depreciation	Current Year Line 10	\$18,131
	Book Depreciation		
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.89%
13	Book Depreciation	Column (a) = Line 5* Line 12 * 50%	\$6,986
14	Cumulative Book Depreciation	Current Year Line 13	\$6,986
15	Total Cumulative Book Depreciation	Line 14	\$6,986
	Deferred Tax Calculation:		
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$11,145
17	Effective Tax Rate		21.00%
18 19	Deferred Tax Reserve Less: FY 2023 Federal NOL	Line 16 * Line 17	\$2,340
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0 \$2,340
20			
	Rate Base Calculation:		\$ 40 2 404
21 22	Cumulative Incremental Capital Included in Rate Base	Line 8 - Line 15	\$483,491
22	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	(\$6,986) (\$2,340)
24	Year End Rate Base	Sum of Lines 21 through 23	\$474,164
	Revenue Requirement Calculation:		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$	\$237,082.10
26	Proration Adjustment	Page 13 of 13, Line 41, Col (j) through Col. (k)	\$100
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$237,183
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,	
28	Pre-Tax ROR	Workpaper MAL-6	8.23%
29	Return and Taxes	Line 27 * Line 28	\$19,520
30	Book Depreciation	Line 13	\$6,986
31	Annual Revenue Requirement	Line 29 + Line 30	\$26,507

1/ Weighted Average Cost of Capital per R.I.P.U.C. Docket No. 4770, Schedule1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-9 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2022 IS Capital Investments Synergy Grid Mod - RTU Separation

Line No.			Rate Year 4 Ending <u>8/31/2022</u> (a)
	Capital Repairs Deduction		
1	Plant Additions	Page 11 of 13, Line 2	\$483,491
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$483,491
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$483,491
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$483,491
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%
11	Total Bonus Depreciation Rate	Line $9 + \text{Line } 10$	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$483,491
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$483,491
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.75%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$18,131
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0
		Sum of Lines 3, 12, 18, 19, and	
21	Total Tax Depreciation and Repairs Deduction	20	\$18,131

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-9 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2022 Net Deferred Tax Reserve Proration Synergy Grid Mod - RTU Separation

	Deferred Tax Subject to Proration			RY22
No.	Deterred Tax Subject to Provation			
1	Book Depreciation		ne 12 ,Col (a) and Col (b)	\$6,986
2	Bonus Depreciation	- Page 16 of	25 , Line 12 ,Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 1	6 of 25 , Col (d)	(\$18,131)
4	FY22 tax (gain)/loss on retirements	- Page 16 of	25, Line 19, Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of I	Lines 1 through 4	(\$11,145)
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Line $5 \times$ Line 6		(\$2,340)
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction		25, Line 3, Col (a)	\$0
9	Cost of Removal	 Page 15 of 	25 , Line 7 ,Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 +	Line 9 + Line 10	\$0
12	Effective Tax Rate			21%
13	Deferred Tax Reserve	Line	11 × Line 12	\$0
14	Total Deferred Tax Reserve		7 + Line 13	(\$2,340)
15	Net Operating Loss		25 , Line 17 ,Col (a)	\$0
16	Net Deferred Tax Reserve	Line 14 + Line 15		(\$2,340)
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	(\$11,145)
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0
19	Total Cumulative Book/Tax Timer	Line	17 + Line 18	(\$11,145)
20	Total FY 2022 Federal NOL	- Page 15 of 25 , Line 17 ,Col (a)÷21%		\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration		Line 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷	Line 19) × Line 20	
23 24	Effective Tax Rate Deferred Tax Benefit subject to proration	Line	22 × Line 23	21% \$0
	•			(*******
25	Net Deferred Tax Reserve subject to proration	Line	- 7 + Line 24	(\$2,340)
		(h)	(i)	(j)
	Proration Calculation	Number of Days Month		RY22
26	April	30	Proration Percentage 91.78%	(\$179)
20	May	30	83.29%	(\$162)
28	June	30	75.07%	(\$146)
29	July	31	66.58%	(\$130)
30	August	31	58.08%	(\$113)
31	September	30	49.86%	(\$97)
32	October	31	41.37%	(\$81)
33	November	30	33.15%	(\$65)
34	December	31	24.66%	(\$48)
35	January	31	16.16%	(\$32)
36	February	28	8.49%	(\$17)
37	March	31	0.00%	\$0
38	Total	365		(\$1,070)
39	Deferred Tax Without Proration		Line 25	(\$2,340)
	Average Deferred Tax without Proration			
40	Average Detented Tax without Floration	Li	ne 39×0.5	(\$1,170)

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 Power Sector Transformation (PST) Grid Mod Synergy - Enterprise Service Bus Rate Year Annual Revenue Requirement Summary - Electric Only

Line <u>No.</u>			Rate Year 1 Ending 8/31/2019 (a)	Rate Year 2 Ending 8/31/2020 (b)	Rate Year 3 Ending 8/31/2021 (c)	Rate Year 4 Ending 8/31/2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:		(-)	(-)	(1)	(-)
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$0	\$0	\$0	\$0
5	DSCADA & ADMS		\$0	\$0	\$0	\$0
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$105,286	\$28,066	\$335,000
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$0	\$0	\$0
11	Telecommunications		\$0	\$0	\$0	\$0
12	Cybersecurity		\$0	\$0	\$0	\$0
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$0	\$105,286	\$28,066	\$335,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	\$0
15	GIS Data Enhancement		\$0	\$0	\$0	\$0
16	Enterprise Service Bus		\$0	\$0	\$0	\$0
17	Data Lake		\$0	\$0	\$0	\$0
18	PI Historian		\$0	\$0	\$0	\$0
19	Advanced Analytics		\$0	\$0	\$0	\$0
20	Telecommunications		\$0	\$0	\$0	\$0
21	Cybersecurity		\$0	\$0	\$0	\$0
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$0	\$105,286	\$28,066	\$335,000
24	Electric Capital Investment:					
25	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		\$0	\$0	\$0	\$0
26	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		30	\$0	\$0	\$0
27	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 Capital Investment			50	\$0 \$0	\$0
28	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Investment					\$60,682
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$0	\$60,682
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Investment		\$0	\$0	\$0	\$0
32	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 Capital Investment			\$0	\$0	\$0
33	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Investment				\$0	\$0
34	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 Capital Investment					\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$0	\$105,286	\$28,066	\$395,682
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated 15 Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - Enterprise Service Bus

		Synergy Grid Mod - Enterprise Service Bus				
Line <u>No.</u>			Rate Year 1 Ending 8/31/2019	Rate Year 2 Ending 8/31/2020	Rate Year 3 Ending R 8/31/2021	ate Year 4 Ending 8/31/2022
	Estimated Capital Investment		(a)	(b)	(c)	(d)
1	Enterprise Service Bus		\$0	\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
2	Depreciable Net Capital Included in Rate Base		¢0.	<u></u>	<u></u>	
3 4	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 2 Line 4 * 0%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base					
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	FY 2020 Spend	Page 3 of 13, Line 21	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0	\$0
	Book Depreciation					
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b, c, and d) = Line 5 *	\$0	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	Less: FY 2020 Federal NOL		\$0	\$0	\$0	\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0	\$0
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0	\$0
	Revenue Requirement Calculation:					
		Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior				
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25 + Current Year Line 25) ÷ 2	\$0.00	\$0	\$0	\$0
26	Proration Adjustment	Page 4 of 13, Line 41, Col (j) through Col. (m)	\$0	\$0	\$0	\$0
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0	\$0
28	Pre-Tax ROR		8.23%	8.23%	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2019 IS Capital Investments Synergy Grid Mod - Enterprise Service Bus

Rate Year 1 Ending Rate Year 2 Ending Rate Year 3 Ending Rate Year 4 Ending Line 8/31/2019 8/31/2020 8/31/2021 8/31/2022 No. (a) (b) (c) (d) Capital Repairs Deduction Plant Additions Page 2 of 13, Line 2 1 \$0 Per Tax Department Line 1 * Line 2 Capital Repairs Deduction Rate 0.00% 2 3 Capital Repairs Deduction \$0 Bonus Depreciation 4 Plant Additions Line 1 \$0 Less Capital Repairs Deduction Plant Additions Net of Capital Repairs Deduction Line 3 Line 4 - Line 5 5 \$0 6 \$0 Percent of Plant Eligible for Bonus Depreciation Per Tax Department 100.00% Plant Eligible for Bonus Depreciation Bonus Depreciation Rate (April 2019 - December 2019) Line 6 * Line 7 8 \$0 1 * 75% * 100% 0.00% 9 1 * 25% * 0% Line 9 + Line 10 Line 8 * Line 11 Bonus Depreciation Rate (January 2020 - Mar 2020) Total Bonus Depreciation Rate 10 0.00% 11 0.00% 12 Bonus Depreciation \$0 Remaining Tax Depreciation 13 Plant Additions Less Capital Repairs Deduction Line 1 \$0 \$0 Line 3 14 Less Bonus Dereciation Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation 3 YR MACRS Tax Depreciation Rates 15 Line 12 \$0 Line 13 - Line 14 - Line 15 \$0 \$0 16 \$0 \$0 17 Per IRS Publication 946 33.330% 44.450% 14.810% 7.410% 18 Remaining Tax Depreciation Line 16 * Line 17 \$0 \$0 \$0 \$0 19 FY20 Loss incurred due to retirements \$0 \$0 \$0 \$0 Page 2 of 13, Line 7 Cost of Removal \$0 \$0 \$0 20 \$0 21 Total Tax Depreciation and Repairs Deduction Sum of Lines 3, 12, 18, and 20 \$0 \$0 \$0 \$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-10 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2019 Net Deferred Tax Reserve Proration Synergy Grid Mod - Enterprise Service Bus

Line No.	Deferred Tax Subject to Proration			(a) RY19	(b) RY20	(c) RY21	(c) RY22
1 2	Book Depreciation Bonus Depreciation		12 ,Col (a) and Col (b) , Line 12 ,Col (a)	\$0 \$0	\$0	\$0	\$0
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25, Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0			
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		5 , Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line 11	× Line 12	\$0			
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss	- Page 15 of 25	, Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration		ine 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11		\$0			
19	Total Cumulative Book/Tax Timer	Line 17	' + Line 18	\$0			
20	Total FY 2022 Federal NOL	- Page 15 of 25 , I	Line 17 ,Col (a)÷21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Lin	ne 19) × Line 20				
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	ne 19) × Line 20				
23	Effective Tax Rate			21%			
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)	(m)
		Number of Days in	D (D (DIVIO	D.V.A.	51/21	
26	Proration Calculation	Month 30	Proration Percentage 91.78%	RY19 \$0	RY20 \$0	RY21 \$0	RY22
26 27	April May	30	83.29%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
27	June	30	75.07%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
28 29	July	30	66.58%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
30	August	31	58.08%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
31	September	30	49.86%	\$0 \$0	\$0 \$0	\$0 \$0	\$0
32	October	31	49.80%	\$0 \$0	\$0 \$0	\$0	\$0 \$0
33	November	30	33.15%	\$0 \$0	\$0 \$0	\$0	\$0
34	December	31	24.66%	\$0	\$0 \$0	\$0 \$0	\$0 \$0
35	January	31	16.16%	\$0	\$0	\$0	\$0 \$0
36	February	28	8.49%	\$0 \$0	\$0 \$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0 \$0
38	Total	365	0.0070	\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Li	ne 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration						
		Line	39×0.5	\$0	\$0	\$0	\$0
41	Proration Adjustment	Line 38	3 - Line 40	\$0	\$0	\$0	\$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - Enterprise Service Bus

Line <u>No.</u>			Rate Year 2 Ending <u>8/31/2020</u> (a)	Rate Year 2 Ending <u>8/31/2021</u> (b)	Rate Year 3 Ending <u>8/31/2022</u> (c)
	Estimated Capital Investment		(a)	(0)	(0)
1	Enterprise Service Bus		\$0	\$0	\$0
2	Total Estimated Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0 \$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0
6	Change in Net Capital Included in Rate Base	Line 2	\$0	\$0	SO
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	FY 2021 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.299
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50% ; Column (b and c) = Line 5 * Line 12	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
	Deferred Tax Calculation:				
16	Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.009
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0
19	Less: FY 2021 Federal NOL		\$0	\$0	\$
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$(
	Rate Base Calculation:	Line 8	60	¢0.	
21 22	Cumulative Incremental Capital Included in Rate Base	- Line 15	\$0	\$0 60	\$0
22	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	\$0 \$0	\$0 \$0	\$0 \$0
23 24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	3) \$
	Revenue Requirement Calculation:				
	,	Column (a) = Current Year Line $25 \div 2$; Column (b and c) = (Prior Year Line 25			
25	Average Rate Base befor Deferred Tax Proration Adjustment	+ Current Year Line 25) \div 2	\$0	\$0	\$0
26	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0	\$0	\$0
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,			
28	Pre-Tax ROR	Workpaper MAL-6	8.23%	8.23%	8.239
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0
31		Line 29 + Line 30			

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2020 IS Capital Investments Synergy Grid Mod - Enterprise Service Bus

Line			Rate Year 2 Ending Ra 8/31/2020	ate Year 2 Ending 1 8/31/2021	Rate Year 3 Ending 8/31/2022
No.			(a)	(b)	(c)
	Capital Repairs Deduction				
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%		
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20		\$0	\$0
21	Tom Tux Depresation and Repairs Deduction	5 un of 2 mes 5, 12, 10, 19, und 20		30	<i>\$</i> 0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-10 Page 7 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2020 Net Deferred Tax Reserve Proration Synergy Grid Mod - Enterprise Service Bus

Line No.	Deferred Tax Subject to Proration			(a) RY20	(b) RY21	(c) RY22
	·					
1	Book Depreciation		12 ,Col (a) and Col (b)	\$0	\$0	\$0
2	Bonus Depreciation	- Page 16 of 25	, Line 12 ,Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25, Col (d)	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	•	, Line 19 ,Col (a)	\$0		
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	- Page 16 of 25	5 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022					
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line 11	× Line 12	\$0		
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0		
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration	Line 5		\$0		
18 19	Cumulative Book/Tax Timer Not Subject to Proration Total Cumulative Book/Tax Timer	Line 11 Line 17 + Line 18		\$0		
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0		
20	Total FY 2022 Federal NOL	- Page 15 of 25, Line 17, Col (a)+21%		\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Lin	ne 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	ne 19) × Line 20			
23	Effective Tax Rate			21%		
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)
		Number of Days in	()	<i>s</i> ,	()	~
	Proration Calculation	Month	Proration Percentage	RY20	RY21	RY22
26	April	30	91.78%	\$0	\$0	\$0
27	May	31	83.29%	\$0	\$0	\$0
28	June	30	75.07%	\$0	\$0	\$0
29 30	July	31 31	66.58%	\$0 \$0	\$0 \$0	\$0 \$0
31	August September	30	58.08% 49.86%	\$0 \$0	\$0 \$0	\$0 \$0
32	October	31	41.37%	\$0	\$0 \$0	\$0 \$0
33	November	30	33.15%	\$0 \$0	\$0 \$0	\$0 \$0
34	December	31	24.66%	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0
39	Deferred Tax Without Proration	Ti	ne 25	\$0	\$0	\$0
40	Average Deferred Tax without Proration	Li		φ υ	40	40
	-		39 × 0.5	\$0	\$0	\$0
41	Proration Adjustment	Line 38	3 - Line 40	\$0	\$0	\$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - Enterprise Service Bus

Line <u>No.</u>			Rate Year 3 Ending <u>8/31/2021</u> (a)	Rate Year 4 Ending <u>8/31/2022</u> (b)
	Estimated Capital Investment		(4)	(0)
1	Enterprise Service Bus		\$0	\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$0	\$0
	Depreciable Net Capital Included in Rate Base			
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0
4 5	Retirements Net Depreciable Capital Included in Rate Base	Line $4 * 0\%$ Column (a) = Line 3 - Line 4, them = Column (a)	\$0 \$0	\$0 \$0
5	Net Depreciable Capital mended in Rate Base	(a) - Line 3 - Line 4, them - Countin (a)	30	30
6	Change in Net Capital Included in Rate Base Capital Included in Rate Base	Line 2	\$0	\$0
0	Capital included in Rate base	Line 2	50	20
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	FY 2022 Spend	Page 9 of 13, Line 21	\$0	\$0
11	Cumulative Tax Depreciation	Current Year Line 10	\$0	\$0
	Book Depreciation			
12 13	Composite Book Depreciation Rate Book Depreciation	As approved per R.I.P.U.C. Docket No. 4770 Column (a) = Line $5 *$ Line $12 * 50\%$; Column (b) = Line $5 *$ Line 12	14.29% \$0	14.29% \$0
13	Cumulative Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12 Current Year Line 13	\$0 \$0	\$0 \$0
14	Culturative Book Depresiation	Current Feat Ene 15		
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0
	Deferred Tax Calculation:			
16 17	Cumulative Book / Tax Timer Effective Tax Rate	Line 11 - Line 15	\$0 21.00%	\$0 21.00%
17	Effective Tax Rate Deferred Tax Reserve	Line 16 * Line 17	21.00% \$0	21.00% \$0
19	Less: FY 2022 Federal NOL	Line 10 · Line 17	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0
	Revenue Requirement Calculation:			
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$; Column (b) = (Prior Year Line $25 + Current Year Line 25) \div 2$	\$0.00	\$0.00
25	Proration Adjustment	, Line 41, Col (j) through Col. (k)	\$0.00	\$0.00
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0
	-	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper		
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2021 IS Capital Investments Synergy Grid Mod - Enterprise Service Bus

			Rate Year 3 Ending	Rate Year 4 Ending
Line			8/31/2021	8/31/2022
<u>No.</u>			(a)	(b)
	Capital Repairs Deduction			
1	Plant Additions	Page 8 of 13, Line 2	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		Sum of Lines 3, 12, 18, 19, and		
21	Total Tax Depreciation and Repairs Deduction	20	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-10 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2021 Net Deferred Tax Reserve Proration Synergy Grid Mod - Enterprise Service Bus

Line No.	Deferred Tax Subject to Proration			(a) RY21	(b) RY22
1	Book Depreciation	Page 15 of 25. Line	12 ,Col (a) and Col (b)	\$0	\$0
2	Bonus Depreciation		5, Line 12, Col (a)	\$0	
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25 , Col (d)	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0
6	Effective Tax Rate			21%	21%
7	Deferred Tax Reserve	Line 5	$5 \times \text{Line } 6$	\$0	\$0
	Deferred Tax Not Subject to Proration	_			
8	Capital Repairs Deduction		5 , Line 3 ,Col (a)	\$0	
9	Cost of Removal	- Page 15 of 2:	5 , Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022			**	
11	Cumulative Book / Tax Timer	Line $8 + Li$	ne 9 + Line 10	\$0	
12 13	Effective Tax Rate Deferred Tax Reserve	T · 11	× Line 12	21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0
15	Net Operating Loss	- Page 15 of 25	, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0	
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11		\$0	
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		\$0	
20	Total FY 2022 Federal NOL	- Page 15 of 25 , Line 17 ,Col (a)÷21%		\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line $18 \div Line 19$) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	ne 19) × Line 20		
23	Effective Tax Rate			21%	
24	Deferred Tax Benefit subject to proration	Line 22	$2 \times \text{Line } 23$	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0
		(h)	(i)	(j)	(k)
		Number of Days in			
	Proration Calculation	Month	Proration Percentage	RY21	RY22
26	April	30	91.78%	\$0	\$0
27	May	31	83.29%	\$0	\$0
28	June	30	75.07%	\$0	\$0
29	July	31	66.58%	\$0	\$0
30 31	August	31 30	58.08%	\$0 \$0	\$0 \$0
31	September October	30	49.86% 41.37%	\$0 \$0	\$0 \$0
32	November	30	33.15%	\$0 \$0	\$0 \$0
33	December	30	24.66%	\$0 \$0	\$0 \$0
35	January	31	16.16%	\$0 \$0	\$0 \$0
36	February	28	8.49%	\$0 \$0	\$0 \$0
37	March	31	0.00%	\$0	\$0
38	Total	365	0.0070	\$0	\$0
39	Deferred Tax Without Proration	T:	ne 25	\$0	\$0
40	Average Deferred Tax without Proration	LI	nc 25	30	φυ
40	Average Deteriou Tax without Floration	Line	39×0.5	\$0	\$0
41	Proration Adjustment		39×0.5 3 - Line 40	\$0 \$0	\$0

Column Notes:

(i) Sum of remaining days in the year (Col (h)) divided by 365

(j) & (k) Current Year Line $25 \div 12 \times$ Current Month Col (i)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - Enterprise Service Bus

Line <u>No.</u>			Rate Year 3 Ending <u>31-Aug-22</u> (a)
	Estimated Capital Investment		
1	Enterprise Service Bus		\$564,109
2	Total Estimated Capital Investment	Sum of Line 1	\$564,109
	Depreciable Net Capital Included in Rate Base		
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$564,109
4	Retirements	Line 4 * 0%	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4	\$564,109
	Change in Net Capital Included in Rate Base		
6	Capital Included in Rate Base	Line 2	\$564,109
7	Cost of Removal		\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$564,109
	Tax Depreciation		
9	Vintage Year Tax Depreciation:		
10	FY 2023 Spend	Page 12 of 13, Line 21	\$188,018
11	Cumulative Tax Depreciation	Current Year Line 10	\$188,018
	Book Depreciation		
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	14.29%
13	Book Depreciation	Column (a) = Line 5* Line 12 * 50%	\$40,294
14	Cumulative Book Depreciation	Current Year Line 13	\$40,294
15	Total Cumulative Book Depreciation	Line 14	\$40,294
	Deferred Tax Calculation:		
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$147,725
17	Effective Tax Rate		21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$31,022
19	Less: FY 2023 Federal NOL		\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$31,022
	Rate Base Calculation:		******
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$564,109
22 23	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	(\$40,294) (\$31,022)
23	Year End Rate Base	Sum of Lines 21 through 23	\$492,793
	Revenue Requirement Calculation:		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$	\$246,397
26	Proration Adjustment	Page 13 of 13, Line 41, Col (j) through Col. (k)	\$1,332
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$247,728
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper	
28	Pre-Tax ROR	MAL-6	8.23%
29	Return and Taxes	Line 25 * Line 28	\$20,388
30	Book Depreciation	Line 13	\$40,294
31	Annual Revenue Requirement	Line 29 + Line 30	\$60,682

	Ratio	Rate	Rate	Taxes	Returr
Long Term Debt	50.00%	3.70%	1.85%		###
Short Term Debt	0.00%	0.00%	0.00%		###
Preferred Stock	0.00%	0.00%	0.00%		###
Common Equity	50.00%	9.275%	4.64%	1.	74% ###
	100.00%		6.49%	1.	74% ###

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-10 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2022 IS Capital Investments Synergy Grid Mod - Enterprise Service Bus

Line No.			Rate Year 4 Ending <u>8/31/2022</u> (a)
	Capital Repairs Deduction		
1	Plant Additions	Page 11 of 13, Line 2	\$564,109
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$564,109
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$564,109
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$564,109
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$564,109
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$564,109
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$188,018
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0
		Sum of Lines 3, 12, 18, 19, and	
21	Total Tax Depreciation and Repairs Deduction	20	\$188,018

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-10 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2022 Net Deferred Tax Reserve Proration Synergy Grid Mod - Enterprise Service Bus

Line No.	Deferred Tax Subject to Proration			RY22
	-			
1 2	Book Depreciation	· ·	e 12 ,Col (a) and Col (b)	\$40,294
2	Bonus Depreciation	- Page 16 61 2	5 , Line 12 ,Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 16	of 25, Col (d)	(\$188,018)
4	FY22 tax (gain)/loss on retirements		5 , Line 19 ,Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of Li	nes 1 through 4	(\$147,725)
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	(\$31,022)
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction		25 , Line 3 ,Col (a)	\$0
9	Cost of Removal	- Page 15 of 2	25 , Line 7 ,Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 + L	Line 9 + Line 10	\$0
12	Effective Tax Rate	T · 1	1	21%
13	Deferred Tax Reserve	Line I	1 × Line 12	\$0
14	Total Deferred Tax Reserve		7 + Line 13	(\$31,022)
15	Net Operating Loss		5, Line 17, Col (a)	\$0
16	Net Deferred Tax Reserve	Line 1	4 + Line 15	(\$31,022)
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	(\$147,725)
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0
19	Total Cumulative Book/Tax Timer	Line 1	7 + Line 18	(\$147,725)
20	Total FY 2022 Federal NOL		Line 17 ,Col (a)÷21%	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ine 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ L	ine 19) × Line 20	
23 24	Effective Tax Rate Deferred Tax Benefit subject to proration	Line 2	2 × Line 23	21% \$0
24	Deterred Tax Deterre subject to protation	Line 2	2 × Elile 25	\$0
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	(\$31,022)
		(h)	(i)	(j)
		Number of Days in	<u>L</u>	
	Proration Calculation	Month	Proration Percentage	RY22
26	April	30	91.78%	(\$2,373)
27	May	31	83.29%	(\$2,153)
28	June	30	75.07%	(\$1,941)
29 30	July August	31 31	66.58% 58.08%	(\$1,721) (\$1,502)
30	September	30	49.86%	(\$1,289)
32	October	31	41.37%	(\$1,069)
33	November	30	33.15%	(\$857)
34	December	31	24.66%	(\$637)
35	January	31	16.16%	(\$418)
36	February	28	8.49%	(\$220)
37	March	31	0.00%	\$0
38	Total	365		(\$14,180)
39	Deferred Tax Without Proration	I	line 25	(\$31,022)
40	Average Deferred Tax without Proration	T t	e 39 × 0.5	(\$15 511)
41	Proration Adjustment		e 39 × 0.5 38 - Line 40	(\$15,511) \$1,332
	····	2.110 2		41,002

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 Power Sector Transformation (PST) Grid Mod Synergy - Data Lake Rate Year Annual Revenue Requirement Summary - Electric Only

Line <u>No.</u>			Rate Year Ending August 31, 2019 (a)	Rate Year Ending August 31, 2020 (b)	Rate Year Ending August 31, 2021 (c)	Rate Year Ending August 31, 2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:		()	()		()
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$0	\$0	\$0	\$0
5	DSCADA & ADMS		\$0	\$0	\$0	\$0
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$0	\$0	\$0
11	Telecommunications		\$0	\$0	\$0	\$0
12	Cybersecurity		\$0	\$0	\$0	\$0
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$0	\$0	\$0	\$0
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	\$0
15	GIS Data Enhancement		\$0	\$0	\$0	\$0
16	Enterprise Service Bus		\$0	\$0	\$0	\$0
17	Data Lake		\$0	\$0	\$0	\$0
18	PI Historian		\$0	\$0	\$0	\$0
19	Advanced Analytics		\$0	\$0	\$0	\$0
20	Telecommunications		\$0	\$0	\$0	\$0
21	Cybersecurity		\$0	\$0	\$0	\$0
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$0	\$0	\$0	\$0
24	Electric Capital Investment:					
25	Estimated Revenue Requirement on Rate Year 1 Capital Investment		\$0	\$0	\$0	\$0
26	Estimated Revenue Requirement on Rate Year 2 Capital Investment			\$0	\$0	\$0
27	Estimated Revenue Requirement on Rate Year 3 Capital Investment				\$0	\$0
28	Estimated Revenue Requirement on Rate Year 4 Capital Investment					\$0
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$0	\$0
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year 1 Capital Investment		\$0	\$0	\$0	\$0
32	Estimated Revenue Requirement on Rate Year 2 Capital Investment			\$0	\$0	\$0
33	Estimated Revenue Requirement on Rate Year 3 Capital Investment				\$0	\$0
34	Estimated Revenue Requirement on Rate Year 4 Capital Investment					\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$0	\$0	\$0	\$0
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$0	\$0	\$0	\$0
				φu		ب ې

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - Data Lake IS

Line No.			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Endin August 31, 2022
			(a)	(b)	(c)	(d)
	Estimated Capital Investment					
1	Data Lake		\$0	\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base					
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0	
4	Retirements	Line 4 * 0%	\$0	\$0	\$0	
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$
	Change in Net Capital Included in Rate Base					
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0	\$
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	RY1 Spend	Page 3 of 13, Line 19	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0	
	Book Depreciation					
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%	14.29
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50% ; Column (b, c, and d) = Line 5 *	\$0	\$0	\$0	\$
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0	\$
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	
17	Effective Tax Rate		21.00%	21.00%	21.00%	
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	
19	Less: Federal NOL		\$0	\$0	\$0	
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0	\$
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0	
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0	\$
	Revenue Requirement Calculation:					
		Column (a) = Current Year Line $25 \div 2$; Column (b,c, and d) = (Prior				
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25 + Current Year Line 25) \div 2	\$0.00	\$0	\$0	
26	Proration Adjustment	Page 4 of 13, Line 41, Col (j) through Col. (m)	\$0	\$0	\$0	
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0	\$
28	Pre-Tax ROR		8.23%	8.23%	8.23%	
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0	
30	Book Depreciation	Line 13	\$0	\$0	\$0	S
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0	s

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31, 2019 IS Capital Investments Synergy Grid Mod - Data Lake IS

Line			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
No.			(a)	(b)	(c)	(d)
	Capital Repairs Deduction					
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate	0%	0.00%			
10	Bonus Depreciation	Line 8 * Line 9	\$0			
	Remaining Tax Depreciation					
11	Plant Additions	Line 1	\$0			
12	Less Capital Repairs Deduction	Line 3	\$0			
13	Less Bonus Depreciation	Line 10	\$0			
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%	7.410%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0	\$0
17	RY1 Loss incurred due to retirements		\$0	\$0	\$0	\$0
18	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
10	T to T as Description of Description Description	Sum of Lines 3, 10, 16, and 18		60	60	03
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, and 18	\$0	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-11 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 1 Net Deferred Tax Reserve Proration Synergy Grid Mod - Data Lake IS

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 1	(b) Rate Year 2	(c) Rate Year 3	(c) Rate Year 4
		D 12 002 1			\$ 0	\$ 0	\$ 0
1 2	Book Depreciation Bonus Depreciation	•	12 ,Col (a) and Col (b) , Line 12 ,Col (a)	\$0 \$0	\$0	\$0	\$0
2	Denus Depresation	14ge 10 01 25	, Eme 12 , cor (a)	40			
3	Remaining MACRS Tax Depreciation		of 25 , Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0			
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0	\$0	\$0
6 7	Effective Tax Rate	Time 6	v Line C	21% \$0	21% \$0	21% \$0	21% \$0
/	Deferred Tax Reserve	Line 5	× Line 6	\$0	50	50	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		, Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 25	, Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022		0.11.10	* 0			
11 12	Cumulative Book / Tax Timer Effective Tax Rate	Line 8 + Lii	ne 9 + Line 10	\$0 21%			
12	Deferred Tax Reserve	Lina 11	× Line 12	21% \$0			
15	Deletted Tax Reserve	Line II	^ Line 12	\$0			
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss	- Page 15 of 25	, Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	T	ne 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration		ne 11	\$0 \$0			
19	Total Cumulative Book/Tax Timer		+ Line 18	\$0			
20	Total FY 2022 Federal NOL	D 15 . £25 I	ine 17 ,Col (a)÷21%	\$0			
20	Allocated FY 2021 Federal NOL Not Subject to Proration	•	$19) \times Line 20$	30			
21	Allocated FY 2021 Federal NOL Subject to Proration		te 19) × Line 20				
23	Effective Tax Rate	(Enter) · En	le 19) ** Enie 20	21%			
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)	(m)
		Number of Days in	()	0/	(11)	()	()
	Proration Calculation	Month	Proration Percentage	Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4
26	April	30	91.78%	\$0	\$0	\$0	\$0
27	May	31	83.29%	\$0	\$0	\$0	\$0
28	June	30	75.07%	\$0	\$0	\$0	\$0
29 30	July August	31 31	66.58% 58.08%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
31	September	30	49.86%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
32	October	31	41.37%	\$0 \$0	\$0	\$0 \$0	\$0 \$0
33	November	30	33.15%	\$0	\$0 \$0	\$0 \$0	\$0 \$0
34	December	31	24.66%	\$0	\$0 \$0	\$0 \$0	\$0 \$0
35	January	31	16.16%	\$0	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Lii	ne 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration			ψŪ	40	φ0	40
	D		39 × 0.5	\$0	\$0 \$0	\$0	\$0
41	Proration Adjustment	Line 38	- Line 40	\$0	\$0	\$0	\$0

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 Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - Data Lake IS

Line			Rate Year Ending	Rate Year Ending	Rate Year Ending
No.			August 31, 2020	August 31, 2021	August 31, 2022
			(a)	(b)	(c)
	Estimated Capital Investment				
1	Data Lake		\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base				
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	Rate Year 2 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0 \$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
	Deferred Tax Calculation:				
16	Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0
19	Less: Federal NOL		\$0	\$0	\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0
	Rate Base Calculation:				
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0
	Revenue Requirement Calculation:				
		Column (a) = Current Year Line 25 ÷ 2; Column (b and c) = (Prior Year Line 25			
25	Average Rate Base befor Deferred Tax Proration Adjustment	+ Current Year Line 25) ÷ 2	\$0	\$0	\$0
26	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0	\$0	\$0
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
28	Pre-Tax ROR	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,	8.23%	8.23%	8.23%
28 29	Pre-Tax ROR Return and Taxes	Workpaper MAL-6 Line 27 * Line 28	<u> </u>	<u>8.23%</u> \$0	<u>8.23%</u> \$0
29 30	Book Depreciation	Line 27 Line 28 Line 13	\$0 \$0	\$0 \$0	\$0 \$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0
51	Annual Kevenue Kequirement	Line 29 + Line 30	\$0	\$0	50

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31 ,2020 IS Capital Investments Synergy Grid Mod - Data Lake IS

			Rate Year Ending	Rate Year Ending	Rate Year Ending
Line			August 31, 2020	August 31, 2021	August 31, 2022
No.			(a)	(b)	(c)
	Capital Repairs Deduction				
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate	0%	0.00%		
10	Bonus Depreciation	Line 8 * Line 9	\$0		
	Remaining Tax Depreciation				
11	Plant Additions	Line 1	\$0		
12	Less Capital Repairs Deduction	Line 3	\$0		
13	Less Bonus Depreciation	Line 10	\$0		
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0
17	RY2 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
18	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, 17, and 18	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-11 Page 7 of 13

(c)

(a) (b)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2 Net Deferred Tax Reserve Proration Synergy Grid Mod - Data Lake IS

Ine Rate Year 3 Rate Year 4 Rele Year 4 No. Deferred Tax Subject to Provation Page 16 of 25, Line 12, Col (a) 50 50 1 Book Depreciation - Page 16 of 25, Line 12, Col (a) 50 50 3 Remaining MACRS Tax Depreciation - Page 16 of 25, Line 12, Col (a) 50 50 4 P122 tax (gain)toss on retriements - Page 16 of 25, Line 12, Col (a) 50 50 5 Canadative Book 7 Int Timer Ease 5 - Line 6 50 50 50 6 Deferred Tax Reserve Line 5 - Line 6 50 50 50 0 Cost of Renoval - Page 16 of 25, Line 12, Col (a) 50 50 50 10 Book/Tax Depreciation Timing Difference at 3/12022 Line 6 + Line 9 - Line 10 50 50 50 12 Effective Tax Reserve Line 1 + Line 12 50 50 50 13 Deferred Tax Reserve Line 7 - Line 13 50 50 50 14 Total Deferred Tax Reserve Line 1 + Line 13 50					(a)	(6)	(c)
Image: 1 Book Depreciation Page 15 of 25, Line 12, Col (a) 50 50 50 2 Brows Depreciation - Page 16 of 25, Line 12, Col (a) 50 50 50 3 Remaining MACRS Tax Depreciation - Page 16 of 25, Line 12, Col (a) 50 50 50 4 FY21 as (gin)loss on retirements - Page 16 of 25, Line 19, Col (a) 50 50 50 5 Cumulative Book / Tax Timer - Sam of Lines 1 through 4 50 50 50 6 Capinal Reserve Line 5 + Line 6 50 50 50 9 Cotor Genoval - Trage 16 of 25, Line 12, Col (a) 50 50 50 10 Deferred Tax Reserve Line 11 + Line 12 50 50 50 11 Deferred Tax Reserve Line 7 + Line 13 50 50 50 12 Efficient Tax Timer Line 6 + Line 15 50 50 50 12 Efficient Tax Reserve Line 7 + Line 13 50 50 50 14 Total Deferre		Deferred Tax Subject to Proration			Rate Year 2	Rate Year 3	Rate Year 4
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		-	Dece 15 (25) Lin	12 Col(c) and Col(b)	¢0.	¢o	60
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		*	•		• •	\$0	\$0
	3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0	\$0	\$0
	4				\$0		
7 Deferred Tax Reserve Linc 5 × Linc 6 50 50 50 Deferred Tax No Subject to Proteine (Capital Repains Deduction 10 Page 15 of 25, Line 3, Col (a) Page 15 of 25, Line 7, Col (a) 20 50 50 10 Book/TAX Temer 12 Effective Tax Reserve 13 Line 8 + Line 9 + Line 10 21% 50 50 11 Combinity Eos / Tax Temer 12 Effective Tax Reserve 13 Line 7 + Line 13 13 50 50 50 14 Total Deferred Tax Reserve 15 Line 7 + Line 13 16 50 50 50 50 15 Net Opening Loss 16 Net Opening Loss 16 S0 50 50 50 16 Net Deferred Tax Reserve Line 7 + Line 13 16 S0 50 50 50 17 Cumulative Book/Tax Timer Sto Solyce to Proteino 16 Line 17 - Line 18 16 S0 50 50 19 Total Cumulative Book/Tax Timer Sto Solyce to Proteino 12 Line 17 - Line 18 18 S0 50 50 21 Allocated FY 2021 Federal NOL Subject to Proteino 12 Line 17 - Line 19 > Line 20 12 21% 50 50 50 22 Allocated FY 2021 Federal NOL Subject to Proteino 12	5	Cumulative Book / Tax Timer	Sum of Li	nes 1 through 4	\$0	\$0	\$0
$ \begin{array}{c} \mbox{Deferred Tax Not Subject to Promation} \\ \mbox{Sec} Capital Repairs Deduction} & -Page 16 of 25, Line 3, Col (a) & S0 \\ -Page 15 of 25, Line 7, Col (a) & S0 \\ -Page 15 of 25, Line 7, Col (a) & S0 \\ \mbox{Sec} Tax Depreciation Timing Difference at 3/31/2022 \\ \mbox{Line B} = Line 9 + Line 10 & 21\% \\ \mbox{Sec} Tax Reserve & Line 9 + Line 12 & S0 \\ \mbox{Sec} Tax Reserve & Line 1 + Line 13 & S0 & S0 & S0 \\ \mbox{Sec} Tax Reserve & Line 5 + Line 5 & Line 10 &$	6	Effective Tax Rate		-	21%	21%	21%
8 Capital Repairs Deduction - Page 15 of 25, Line 3, Col (a) 50 10 Book/Tax Depocinition Timing Difference at 3/31/2022 - Page 15 of 25, Line 7, Col (a) 50 11 Camulative Book/Tax Timer Line 8 + Line 9 + Line 10 50 12 Effective Tax Rat 21% 13 Deferred Tax Reserve Line 11 × Line 12 50 14 Total Deferred Tax Reserve Line 7 + Line 13 50 \$0 \$0 15 Net Operating Loss - Page 15 of 25, Line 17, Col (a) \$0 \$0 \$0 16 Net Deferred Tax Reserve Line 5 \$0 \$0 \$0 16 Net Deferred Tax Reserve Line 5 \$0 \$0 \$0 17 Cumulative Book/Tax Timer Norts Ubject to Proration Line 5 \$0 \$0 \$0 18 Cumulative Book/Tax Timer Not Subject to Proration Line 17 + Line 19 × Line 20 \$0 \$0 \$0 19 Total FY 2021 Federal NOL Not Subject to Proration Line 7 + Line 24 \$0 \$0 \$0 21 Allocated FY 2021 Federal NOL Subject to Proration Line 7 + Line 19 × Line 20 \$0	7	Deferred Tax Reserve	Line	5 × Line 6	\$0	\$0	\$0
$ \begin{array}{cccc} & Cost of Removal & -Page 15 of 25, Line 7, Col (a) & S0 & \\ & Comulative Book / Tax Timer & Line 8 + Line 9 + Line 10 & S0 & \\ & Comulative Book / Tax Timer & Line 8 + Line 9 + Line 10 & S0 & \\ & Effective Tax Rate & 21\% & \\ & 10 & Effective Tax Rate & 21\% & \\ & Line 11 \times Line 12 & S0 & \\ & S0 & S0 & S0 & \\ & S0 & S0 &$							
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			- Page 15 of 2	25, Line 7, Col (a)	\$0		
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Allocation of FY 2022 Estimated Federal NOL Cumulative Book/Tax Timer Subject to Proration 1 Cumulative Book/Tax Timer Not Subject to Proration 1 Total Cumulative Book/Tax Timer Not Subject to Proration 1 Allocated FY 2022 Federal NOL. 1 Allocated FY 2022 Federal NOL. Not Subject to Proration 2 Allocated FY 2021 Federal NOL. Subject to Proration 2 Effective Tax Rate 2 Deferred Tax Benefit subject to proration 2 Effective Tax Rate- Page 15 of 25 , Line 17, Col (a)=21% (Line 17 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 						¢0	¢o
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	16	Net Deferred Tax Reserve	Line I	4 + Line 15	\$0	\$0	\$0
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$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2			• ·		
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21Allocated FY 2021 Federal NOL Not Subject to Proration Allocated FY 2021 Federal NOL Subject to Proration Efficitive Tax Rate Deferred Tax Benefit subject to proration(Line 18 + Line 19) × Line 20 (Line 17 + Line 19) × Line 2023Efficitive Tax Rate Deferred Tax Reserve subject to proration $Line 22 \times Line 23$ S025Net Deferred Tax Reserve subject to proration $Line 7 + Line 24$ S0S0S026April(i)(i)(j)(k)(l)Number of Days in Mumber of Days inProration Percentage 30Rate Year 2 S0Rate Year 3 S0Rate Year 4 S026April3091.78%S0S0S027May3183.29%S0S0S028June3075.07%S0S0S029July3166.58%S0S0S030August3149.86%S0S0S031September3031.16.16%S0S0S032October3141.37%S0S0S033November3124.66%S0S0S034December310.00%S0S0S035January3116.16%S0S0S036February310.00%S0S0S036Fotal310.00%S0S0S037March310.00%S0S0S0 <td>19</td> <td>Total Cumulative Book/Tax Timer</td> <td>Line I</td> <td>/ + Line 18</td> <td>\$0</td> <td></td> <td></td>	19	Total Cumulative Book/Tax Timer	Line I	/ + Line 18	\$0		
22 23 24Allocated FY 2021 Federal NOL Subject to Proration Effective Tax Rate(Line 17 + Line 20 Line 22 × Line 2321% S024Deferred Tax Benefit subject to prorationLine $22 \times Line 23$ S025Net Deferred Tax Reserve subject to prorationLine $7 + Line 24$ S0S0S026April(j)(k)(l)(l)Number of Days in Number of Days in26April91.78%S0S0S027May3183.29%S0S0S028June3075.07%S0S0S029July3166.58%S0S0S030August3158.08%S0S0S031September3049.86%S0S0S032October3141.37%S0S0S033November3124.66%S0S0S034December310.00%S0S0S035January3116.16%S0S0S036February288.49%S0S0S037March310.00%S0S0S038TotalTotal36.5S0S0S039Deferred Tax Without ProrationLine 25 S0S0S039Deferred Tax Without ProrationLine 32 × 0.5S0S0S0					\$0		
23Effective Tax Rate Deferred Tax Benefit subject to prorationLine $22 \times Line 23$ 21% S025Net Deferred Tax Reserve subject to prorationLine $7 + Line 24$ S0S0S026Net Deferred Tax Reserve subject to prorationLine $7 + Line 24$ S0S0S027Menthing the serve subject to prorationLine $7 + Line 24$ S0S0S028Net Deferred Tax Reserve subject to prorationMonthing the proration Percentage 30Rate Year 2Rate Year 3Rate Year 426April3091.78%S0S0S027May3183.29%S0S0S028June3075.07%S0S0S029July3166.58%S0S0S031September3049.86%S0S0S032October3141.37%S0S0S033November3033.15%S0S0S034December3144.66%S0S0S035January3116.16%S0S0S036February288.49%S0S0S037March310.00%S0S0S038Total36S0S0S0S039Deferred Tax Without ProrationLine 25S0S0S040Average Deferred Tax Without ProrationLine 39 × 0.5 <td< td=""><td></td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td><td></td></td<>				· · · · · · · · · · · · · · · · · · ·			
24Deferred Tax Benefit subject to prorationLine $22 \times Line 23$ S025Net Deferred Tax Reserve subject to prorationLine $7 + Line 24$ S0S0S0(h) (i) (i) (j) (k) (l)Number of Days inProration CalculationMonthProration PercentageRate Year 2Rate Year 3Rate Year 426April3091.78%S0S0S027May3183.29%S0S0S028June3075.07%S0S0S029July3166.58%S0S0S030August3158.08%S0S0S031September3049.86%S0S0S032October3141.37%S0S0S033November3124.66%S0S0S034December310.00%S0S0S035January3116.16%S0S0S036Fobruary310.00%S0S0S037March310.00%S0S0S038Total3151.65%S0S0S039Deferred Tax Without ProrationLine 25S0S0S040Average Deferred Tax without ProrationLine 39 × 0.5S0S0S0			(Line 17 ÷ L	ine 19) × Line 20			
25 Net Deferred Tax Reserve subject to protation Line $7 + Line 24$ \$0 \$0 \$0 (h) (i) (j) (k) (l) Number of Days in Proration Calculation Month Proration Percentage Rate Year 2 Rate Year 3 Rate Year 4 26 April 30 91.78% \$0 \$0 \$0 27 May 31 83.29% \$0 \$0 \$0 28 June 30 75.07% \$0 \$0 \$0 30 49.86% \$0 \$0 \$0 \$0 \$0 31 85.08% \$0 </td <td></td> <td></td> <td>Line 2</td> <td>$2 \times \text{Line } 23$</td> <td></td> <td></td> <td></td>			Line 2	$2 \times \text{Line } 23$			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		•				6 0	\$ 0
Number of Days in Month Proration Percentage Rate Year 2 Rate Year 3 Rate Year 4 26 April 30 91.78% \$0 \$0 \$0 27 May 31 83.29% \$0 \$0 \$0 28 June 30 75.07% \$0 \$0 \$0 29 July 31 66.58% \$0 \$0 \$0 30 August 31 \$8.08% \$0 \$0 \$0 30 August \$1 \$6.58% \$0 \$0 \$0 31 September \$0 \$4.986% \$0 \$0 \$0 31 September 30 33.15% \$0 \$0 \$0 32 October 31 41.37% \$0 \$0 \$0 \$0 33 November 31 24.66% \$0 \$0 \$0 34 December 31 0.00% \$0 \$0 <td< td=""><td>25</td><td>Net Deterred Tax Reserve subject to proration</td><td>Line</td><td>t + Line 24</td><td>\$0</td><td>\$0</td><td>\$0</td></td<>	25	Net Deterred Tax Reserve subject to proration	Line	t + Line 24	\$0	\$0	\$0
Protation Calculation Month Protation Percentage Rate Year 2 Rate Year 3 Rate Year 4 26 April 30 91.78% \$0 \$0 \$0 27 May 31 83.29% \$0 \$0 \$0 28 June 30 75.07% \$0 \$0 \$0 29 July 31 66.58% \$0 \$0 \$0 30 August 31 58.08% \$0 \$0 \$0 31 September 30 49.86% \$0 \$0 \$0 32 October 31 41.37% \$0 \$0 \$0 32 October 31 24.66% \$0 \$0 \$0 33 November 31 16.16% \$0 \$0 \$0 34 December 31 0.00% \$0 \$0 \$0 36 February 28 8.49% \$0 \$0 \$0					(j)	(k)	(1)
26 April 30 91.78% \$0 \$0 \$0 27 May 31 83.29% \$0 \$0 \$0 28 June 30 75.07% \$0 \$0 \$0 29 July 31 66.58% \$0 \$0 \$0 30 August 31 58.08% \$0 \$0 \$0 31 September 30 49.86% \$0 \$0 \$0 32 October 31 41.37% \$0 \$0 \$0 \$0 33 November 30 33.15% \$0 \$0 \$0 \$0 34 December 31 24.66% \$0 \$0 \$0 \$0 35 January 31 16.16% \$0 \$0 \$0 \$0 36 February 28 8.49% \$0 \$0 \$0 \$0 38 Total 365 \$0		Proration Calculation			Rate Year 2	Rate Year 3	Rate Year 4
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$					\$0	\$0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28	•	30	75.07%	\$0	\$0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	29	July	31	66.58%	\$0	\$0	\$0
32 October 31 41.37% \$0 \$0 \$0 33 November 30 33.15% \$0 \$0 \$0 34 December 31 24.66% \$0 \$0 \$0 35 January 31 16.16% \$0 \$0 \$0 36 February 28 8.49% \$0 \$0 \$0 37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 \$0 39 Deferred Tax Without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 25 \$0 \$0 \$0	30	August	31	58.08%	\$0	\$0	\$0
33 November 30 33.15% \$0 \$0 \$0 34 December 31 24.66% \$0 \$0 \$0 35 January 31 16.16% \$0 \$0 \$0 36 February 28 8.49% \$0 \$0 \$0 37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 \$0 39 Deferred Tax Without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 25 \$0 \$0 \$0 Line 39 × 0.5 \$0 \$0 \$0 \$0 \$0	31	September	30	49.86%	\$0	\$0	\$0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	32	October	31	41.37%	\$0		\$0
35 January 31 16.16% \$0 \$0 \$0 36 February 28 8.49% \$0 \$0 \$0 37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 39 Deferred Tax Without Proration Average Deferred Tax without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0 \$0		November		33.15%		• ·	
36 February 28 8.49% \$0 \$0 \$0 37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 39 Deferred Tax Without Proration 40 Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0	34	December		24.66%	\$0		\$0
37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 39 Deferred Tax Without Proration Average Deferred Tax without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0 \$0	35	January	31	16.16%	\$0	\$0	\$0
38Total365\$0\$0\$039Deferred Tax Without ProrationLine 25\$0\$0\$040Average Deferred Tax without ProrationLine 39 × 0.5\$0\$0\$0	36		28	8.49%	\$0	\$0	\$0
39 Deferred Tax Without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0 \$0				0.00%			
40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0 \$0	38	Total	365		\$0	\$0	\$0
Line 39 × 0.5 \$0 \$0 \$0			L	ine 25	\$0	\$0	\$0
	40	Average Deterred Tax without Proration	т :	30 × 0 5	¢n	¢0.	\$0
	41	Proration Adjustment					

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - Data Lake IS

Line <u>No.</u>			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (b)
	Estimated Capital Investment		(a)	(b)
1	Data Lake		\$0	\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$0	\$0
	Depreciable Net Capital Included in Rate Base			
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0
4 5	Retirements Net Depreciable Capital Included in Rate Base	Line $4 * 0\%$ Column (a) = Line 3 - Line 4, them = Column (a)		\$0 \$0
5	Net Depreciable Capital included in Rate Base	Column (a) = Line 3 - Line 4, inem = Column (a)	\$0	20
6	Change in Net Capital Included in Rate Base Capital Included in Rate Base	Line 2	\$0	\$0
0	Capital included in Kate base	Lille 2	30	30
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	Rate Year 3 Spend	Page 9 of 13, Line 19	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0
10	Book Depreciation		14.29%	14.29%
12 13	Composite Book Depreciation Rate Book Depreciation	As filed per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5 * Line 12 * 50% ; Column (b and c) = Line 5 * Line 12	14.29% \$0	14.29% \$0
13	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14		\$0
15	*	Liik 17	50	30
16	Deferred Tax Calculation: Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0
16 17	Effective Tax Rate	Line 11 - Line 15	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0
19	Less: Federal NOL		\$0	\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0
	Revenue Requirement Calculation:	Column (a) = Current Year Line 25 ÷ 2; Column (b) = (Prior Year Line 25 + Current		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25 \div 2	\$0.00	\$0.00
26	Proration Adjustment	, Line 41, Col (j) through Col. (k)	\$0.00	\$0.00
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0
	-	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper		
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year IS ending August 31, 2021 Capital Investments Synergy Grid Mod - Data Lake IS

Line No.			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (b)
1101	Capital Repairs Deduction		(4)	(0)
1	Plant Additions	Page 8 of 13, Line 2	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Total Bonus Depreciation Rate	0%	0.00%	
10	Bonus Depreciation	Line 8 * Line 9	\$0	
	Remaining Tax Depreciation			
11	Plant Additions	Line 1	\$0	
12	Less Capital Repairs Deduction	Line 3	\$0	
13	Less Bonus Depreciation	Line 10	\$0	
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0
17	RY3 Loss incurred due to retirements	Per Tax Department	\$0	\$0
18	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		Sum of Lines 3, 10, 16, 17, and		
19	Total Tax Depreciation and Repairs Deduction	18	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-11 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 3 Net Deferred Tax Reserve Proration Synergy Grid Mod - Data Lake IS

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Line No.	Deferred Tax Subject to Proration			(a) Rate Year 3	(b) Rate Year 4
2 Bonus Depreciation Page 16 of 25, Line 12, Col (a) \$0 3 Remaining MACRS Tax Depreciation Page 16 of 25, Line 12, Col (a) \$0 \$0 4 FF22 tax (gain) loss on vertements Sum of Lines 1 through 4 \$0 \$0 6 Effective Tax Rate Sum of Lines 1 through 4 \$0 \$0 7 Deferred Tax Not Subject to Promion -Page 16 of 25, Line 7, Col (a) \$0 \$0 8 Capital Repairs Deduction -Page 16 of 25, Line 7, Col (a) \$0 \$0 9 Cost of Removal -Page 16 of 25, Line 7, Col (a) \$0 \$0 10 Book/Tax Depreciation Taming Difference at 3/31/2022 Line 8 + Line 9 + Line 10 \$0 \$0 12 Effective Tax Rate Line 7 + Line 13 \$0 \$0 \$0 13 Deferred Tax Reserve Line 7 + Line 13 \$0 \$0 \$0 14 Total Deferred Tax Reserve Line 1 + Line 12 \$0 \$0 \$0 14 Total Deferred Tax Reserve Line 1 + Line 13 \$0 \$0 \$0 15 Net Operating Loss -Page 15 of 25, Line 17, Col (a) > 1* <td>1</td> <td>Book Depreciation</td> <td>Page 15 of 25 Line</td> <td>12 Col (a) and Col (b)</td> <td>\$0</td> <td>\$0</td>	1	Book Depreciation	Page 15 of 25 Line	12 Col (a) and Col (b)	\$0	\$0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		*				\$ 0
	3	Remaining MACRS Tax Depreciation	- Page 16 c	of 25, Col (d)	\$0	\$0
6 Effective Tax Rate 21% 21% 7 Deferred Tax Reate Line 5 × Line 6 S0 S0 8 Capital Repairs Deduction - Page 16 of 25, Line 3, Col (a) S0 S0 9 Cost of Removal - Page 15 of 25, Line 7, Col (a) S0 S0 9 Cost of Removal - Page 15 of 25, Line 7, Col (a) S0 S0 10 Book/Tax Depreciation Timing Difference at 3/31/2022 Line 8 + Line 9 + Line 10 S0 S0 11 Cannulative Book/Tax Timer Line 7 + Line 13 S0 S0 S0 12 Effective Tax Reserve Line 7 + Line 13 S0 S0 S0 13 Deferred Tax Reserve Line 7 + Line 13 S0 S0 S0 14 Total Deferred Tax Reserve Line 5 + S0 S0 S0 S0 14 Total Deferred Tax Reserve Line 5 S0 S0 S0 S0 15 Net Operating Loss - Page 15 of 25, Line 17, Col (a) + 21% S0 S0 S0 16 Net Deferred Tax Beserve Defered Tax Depreciatin NOL S0 S0	4	÷ .			\$0	
7Deferred Tax ReserveLine $5 \times Line 6$ 50508Capital Regins Deduction Cost of Removal- Page 16 of 25, Line 3, Col (a) - Page 15 of 25, Line 7, Col (a)509Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10 21%5010Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10 505011Cumulative Book/Tax Tax Timer 21%Line 8 + Line 9 + Line 10 21%5012Effective Tax Rate 21%21%5013Deferred Tax ReserveLine 17 + Line 13 Line 14 + Line 155014Total Deferred Tax ReserveLine 7 + Line 13 Line 14 + Line 155015Net Operating Loss 	5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	6	Effective Tax Rate		-	21%	21%
$ \begin{array}{cccc} & \mbox{Capital Repairs Deduction} & - Page 16 of 25 , Line 3, Col (a) & S0 \\ & - Page 15 of 25 , Line 7, Col (a) & S0 \\ & - Page 15 of 25 , Line 7, Col (a) & S0 \\ & - Page 15 of 25 , Line 7, Col (a) & S0 \\ & - Page 15 of 25 , Line 7, Col (a) & S0 \\ & - Page 15 of 25 , Line 17 & Line 12 & S0 \\ & - Page 15 of 25 , Line 17 & Line 12 & S0 \\ & - Page 15 of 25 , Line 17, Col (a) & S0 \\ & - Page 15 of 25 , Lin$	7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$					\$0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	9		- Page 15 of 25	5 , Line 7 ,Col (a)	\$0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10	· ·				
13Deferred Tax ReserveLine 11 × Line 125014Total Deferred Tax ReserveLine 7 + Line 13505015Net Operating Loss-Page 15 of 25 , Line 17, Col (a)5016Net Deferred Tax ReserveLine 14 + Line 155017Cumulative Book/Tax Timer Subject to ProtationLine 55018Cumulative Book/Tax Timer Not Subject to ProtationLine 15019Total Cumulative Book/Tax Timer Not Subject to ProtationLine 17 + Line 185020Total Cumulative Book/Tax Timer-Page 15 of 25 , Line 17, Col (a)+21%5021Allocated FY 2021 Federal NOL Not Subject to ProtationLine 23 , Line 17, Col (a)+21%5022Allocated FY 2021 Federal NOL Not Subject to ProtationLine 22 × Line 235023Referred Tax Benefit subject to protationLine 7 + Line 24505024Deferred Tax Reserve subject to protationLine 7 + Line 24505025Net Deferred Tax Reserve subject to protationLine 7 + Line 24505026April3091,78%505027May3166,58%505031September3049,68%505033Nevember3049,68%505034December3124,66%505035Januer3124,66%505036Fobruary3162,65%505034D			Line 8 + Lin	ne 9 + Line 10		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
16Net Deferred Tax ReserveLine 14 + Line 15S0S0Allocation of FY 2022 Estimated Federal NOL17Cumulative Book/Tax Timer Subject to ProrationLine 5S018Cumulative Book/Tax Timer Not Subject to ProrationLine 11S019Total Cumulative Book/Tax TimerLine 17 + Line 18S020Total FY 2022 Federal NOL- Page 15 of 25 , Line 17 , Col (a)=21%S021Allocated FY 2021 Federal NOL Not Subject to Proration(Line 17 + Line 19) × Line 2021%23Effective Tax Rate21%24Deferred Tax Benefit subject to prorationLine 22 × Line 23S025Net Deferred Tax Reserve subject to prorationLine 7 + Line 24S0S026April30Proration PercentageRate Year 3Rate Year 426April3091.78%S0S029July3166.58%S0S030August3131.83.29%S0S031Sptember3049.86%S0S032October3141.37%S0S033November3049.86%S0S034December3141.37%S0S035January3116.16%S0S036February288.49%S0S034December3124.66%S0S035January3116.16%S0S0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$0</td>						\$0
Allocation of FY 2022 Estimated Federal NOLLine 5S017Cumulative Book/Tax Timer Subject to ProrationLine 1S018Cumulative Book/Tax TimerLine 17 + Line 18S019Total Cumulative Book/Tax TimerLine 17 + Line 18S020Total FY 2021 Federal NOL-Page 15 of 25 , Line 17, Col (a)+21%S021Allocated FY 2021 Federal NOL Subject to Proration-Page 15 of 25 , Line 19) × Line 2021%22Allocated FY 2021 Federal NOL Subject to ProrationLine 22 × Line 23S023Effective Tax Rate21%S024Deferred Tax Reserve subject to prorationLine 7 + Line 19) × Line 20S025Net Deferred Tax Reserve subject to prorationLine 7 + Line 24S0S026April091.78%Rate Year 3Rate Year 426April3091.78%S0S027May3166.58%S0S028June3158.08%S0S029July3166.58%S0S030August3158.08%S0S031S0S0S0S0S032October3141.37%S0S033November3031.55%S0S034December3124.66%S0S035January3166.58%S0S036Deterred Tax Without Proration365						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $						
19Total Cumulative Book/Tax TimerLine 17 + Line 18\$020Total FY 2022 Federal NOL Allocated FY 2021 Federal NOL Subject to Proration 22-Page 15 of 25 , Line 17 , Col (a)+21% (Line 18 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 23\$024Deferred Tax Benefit subject to prorationLine 22 × Line 23\$025Net Deferred Tax Reserve subject to prorationLine 7 + Line 24\$0\$026April(j)(j)(k)Number of Days in 10Proration CalculationProvation Calculation27May3183.29%\$0\$028June3075.07%\$0\$0\$029July3166.58%\$0\$0\$030August3148.08%\$0\$0\$031September3033.15%\$0\$0\$032Cotober3141.37%\$0\$0\$033November3124.66%\$0\$0\$034December310.00%\$0\$0\$035January3116.16%\$0\$0\$036February288.49%\$0\$0\$036Peferred Tax Without ProrationLine 25\$0\$0\$036Deferred Tax Without ProrationLine 25\$0\$0\$037 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
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22Allocated FY 2021 Federal NOL Subject to Proration Effective Tax Rate21% 21%23Effective Tax Rate21% 21%24Deferred Tax Benefit subject to prorationLine $22 \times Line 23$ S025Net Deferred Tax Reserve subject to prorationLine $7 + Line 24$ S0S026April091/78%S0S07May3183.29%S0S028June3075.07%S0S029July3166.88%S0S030August3158.08%S0S031September3049.86%S0S032October3141.37%S0S033November3033.15%S0S034December3116.16%S0S035January3116.16%S0S036February288.49%S0S037March36365S0S039Deferred Tax Without ProrationLine 25S0S040Average Deferred Tax without ProrationLine 39 × 0.5S0S0					\$0	
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24Deferred Tax Benefit subject to protationLine $22 \times Line 23$ \$025Net Deferred Tax Reserve subject to protationLine $7 + Line 24$ \$0\$0(i)(i)(j)(k)Number of Days inPrortation CalculationMayProtation PercentageRate Year 3Rate Year 43091.78%\$0\$026April3075.07%\$0\$027May3183.29%\$0\$028June3075.07%\$0\$030August3166.58%\$0\$031September3049.86%\$0\$032October3141.37%\$0\$033November3124.66%\$0\$034December3124.66%\$0\$035January3116.16%\$0\$036February288.49%\$0\$037March310.00%\$0\$039Deferred Tax Without ProrationLine 25\$0\$040Average Deferred Tax without ProrationLine 25\$0\$0			(Line 17 ÷ Lir	ne 19) × Line 20		
25 Net Deferred Tax Reserve subject to proration Line 7 + Line 24 S0 S0 (h) (i) (j) (k) Mumber of Days in Number of Days in Number of Days in Rate Year 3 Rate Year 4 26 April 30 91.78% \$0 \$0 27 May 31 83.29% \$0 \$0 28 June 30 75.75% \$0 \$0 29 July 31 66.58% \$0 \$0 30 August 31 56.08% \$0 \$0 31 September 30 49.86% \$0 \$0 32 October 31 41.37% \$0 \$0 33 November 31 24.66% \$0 \$0 34 December 31 24.66% \$0 \$0 35 January 28 8.49% \$0 \$0 365 S0 \$0 \$0 \$0 \$0 \$0 38 Total 365 \$0 \$0						
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33 November 30 33.15% \$0 \$0 34 December 31 24.66% \$0 \$0 35 January 31 16.16% \$0 \$0 36 February 28 8.49% \$0 \$0 37 March 31 0.00% \$0 \$0 38 Total 365 \$0 \$0 39 Deferred Tax Without Proration Line 25 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0		1				
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40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0				0.0070		
Line 39 × 0.5 \$0 \$0			Li	ne 25	\$0	\$0
		<i>c</i>	Line	39 × 0.5	\$0	\$0
	41	Proration Adjustment				

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - Data Lake IS

Line <u>No.</u>			Rate Year Ending <u>August 31, 2022</u> (a)
	Estimated Capital Investment		
1	Data Lake		\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$0
	Depreciable Net Capital Included in Rate Base		
3 4	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 2 Line 4 * 0%	\$0 \$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4	\$0
	Changes in Net Constel Jack ded in Date Date		
6	Change in Net Capital Included in Rate Base Capital Included in Rate Base	Line 2	\$0
7	Cost of Removal		\$0
			30
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0
	Tax Depreciation		
9	Vintage Year Tax Depreciation:		
10	RY4 Spend	Page 12 of 13, Line 19	\$0
11	Cumulative Tax Depreciation	Current Year Line 10	\$0
	Book Depreciation		
12 13	Composite Book Depreciation Rate Book Depreciation	As approved per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5* Line 12 * 50%	14.29% \$0
13	Cumulative Book Depreciation	Current Year Line 13	\$0 \$0
	·		
15	Total Cumulative Book Depreciation	Line 14	\$0
	Deferred Tax Calculation:		
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0
17	Effective Tax Rate		21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0
19 20	Less: Federal NOL Net Deferred Tax Reserve	Sum of Lines 18 through 19	<u>\$0</u> \$0
20	Net Deletted Tax Reserve	Sun of Enes 16 though 17	
	Rate Base Calculation:		
21	Cumulative Incremental Capital Included in Rate Base	Line 8 - Line 15	\$0 ©0
22 23	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	\$0 \$0
23 24	Year End Rate Base	Sum of Lines 21 through 23	\$0
	Revenue Requirement Calculation:		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$	\$0.00
26	Proration Adjustment	Page 13 of 13, Line 41, Col (j) through Col. (k)	\$0
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,	
28	Pre-Tax ROR	Workpaper MAL-6	8.23%
29 30	Return and Taxes	Line 25 * Line 28 Line 13	\$0 \$0
50	Book Depreciation	Line 15	20
31	Annual Revenue Requirement	Line 29 + Line 30	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-11 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year Ending August 31, 2022 IS Capital Investments Synergy Grid Mod - Data Lake IS

Rate Year Ending August 31, 2022 Line (a) <u>No.</u> Capital Repairs Deduction Plant Additions Page 11 of 13, Line 2 1 \$0 Capital Repairs Deduction Rate 2 Per Tax Department 0.00% 3 Capital Repairs Deduction Line 1 * Line 2 \$0 Bonus Depreciation 4 Plant Additions Line 1 \$0 5 Less Capital Repairs Deduction Line 3 \$0 Plant Additions Net of Capital Repairs Deduction Line 4 - Line 5 6 \$0 7 Percent of Plant Eligible for Bonus Depreciation Per Tax Department 100.00% 8 Plant Eligible for Bonus Depreciation Line 6 * Line 7 \$0 9 Total Bonus Depreciation Rate 0% 0.00% 10 Bonus Depreciation Line 8 * Line 9 \$0 Remaining Tax Depreciation 11 Line 1 \$0 Plant Additions Less Capital Repairs Deduction 12 Line 3 \$0 \$0 13 Less Bonus Depreciation Line 10 14 Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation Line 11 - Line 12 - Line 13 \$0 15 3 YR MACRS Tax Depreciation Rates Per IRS Publication 946 33.33% Line 14 * Line 15 16 Remaining Tax Depreciation \$0 17 RY4 Loss incurred due to retirements Per Tax Department \$0 18 Cost of Removal Page 8 of 13, Line 7 \$0 Sum of Lines 3, 10, 16, 17, and 19 Total Tax Depreciation and Repairs Deduction 18 \$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-11 Page 13 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 4 Net Deferred Tax Reserve Proration Synergy Grid Mod - Data Lake IS

Line No.	Deferred Tax Subject to Proration			(a) RY4
1	Book Depreciation	Page 15 of 25 L	ne 12 ,Col (a) and Col (b)	\$0
2	Bonus Depreciation		25, Line 12, Col (a)	\$0 \$0
3	Remaining MACRS Tax Depreciation	- Page 1	6 of 25 , Col (d)	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of	25, Line 19, Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of I	Lines 1 through 4	\$0
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Lin	e 5 × Line 6	\$0
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction		f 25 , Line 3 ,Col (a)	\$0
9	Cost of Removal	- Page 15 of	f 25 , Line 7 ,Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 +	Line 9 + Line 10	\$0
12	Effective Tax Rate			21%
13	Deferred Tax Reserve	Line	11 × Line 12	\$0
14	Total Deferred Tax Reserve		e 7 + Line 13	\$0
15	Net Operating Loss		25 , Line 17 ,Col (a)	\$0
16	Net Deferred Tax Reserve	Line	14 + Line 15	\$0
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		\$0
20	Total FY 2022 Federal NOL	- Page 15 of 25	, Line 17 ,Col (a)÷21%	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration	· ·	Line 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷	Line 19) × Line 20	
23	Effective Tax Rate			21%
24	Deferred Tax Benefit subject to proration	Line	22 × Line 23	\$0
25	Net Deferred Tax Reserve subject to proration	Line	e 7 + Line 24	\$0
		(h)	(i)	(j)
	Proration Calculation	Number of Days Month		RY4
26	April	<u>30</u>	Proration Percentage 91.78%	RY4 \$0
20	May	30	83.29%	\$0 \$0
28	June	30	75.07%	\$0
20	July	31	66.58%	\$0 \$0
30	August	31	58.08%	\$0 \$0
31	September	30	49.86%	\$0
32	October	31	41.37%	\$0
33	November	30	33.15%	\$0
34	December	31	24.66%	\$0
35	January	31	16.16%	\$0
36	February	28	8.49%	\$0
37	March	31	0.00%	\$0
38	Total	365		\$0
39	Deferred Tax Without Proration		Line 25	\$0
40	Average Deferred Tax without Proration	T :	ne 39×0.5	\$0
41	Proration Adjustment		ne 39 × 0.5 38 - Line 40	\$0 \$0
Cala	N. /			

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 Power Sector Transformation (PST) Grid Mod Synergy - PI Historian Rate Year Annual Revenue Requirement Summary - Electric Only

	Kate I car	Annual Revenue Requirement Summary	- Electric Only			
Line <u>No.</u>			Rate Year 1 Ending 8/31/2019 (a)	Rate Year 2 Ending 8/31/2020 (b)	Rate Year 3 Ending 8/31/2021 (c)	Rate Year 4 Ending 8/31/2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:		(1)	(5)	()	(1)
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$0	\$0	\$0	
5	DSCADA & ADMS		\$0	\$0	\$0	
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$12,170	\$505,000
10	Advanced Analytics		\$0	\$0	\$0	\$0
11	Telecommunications		\$0	\$0	\$0	\$0
12	Cybersecurity		\$0	\$0	\$0	\$0
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$0	\$0	\$12,170	\$505,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	
15	GIS Data Enhancement		\$0	\$0	\$0	
16	Enterprise Service Bus		\$0	\$0	\$0	
17	Data Lake		\$0	\$0	\$0	
18	PI Historian		\$0	\$0	\$0	
19	Advanced Analytics		\$0	\$0	\$0	
20	Telecommunications		\$0	\$0	\$0	
21	Cybersecurity	-	\$0	\$0	\$0	
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$0	\$0	\$12,170	\$505,000
		=			,	
24	Electric Capital Investment:					
25	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Inv		\$0	\$0	\$0	
26	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 Capital Inv			\$0	\$0	
27	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Inv				\$0	
28	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 Capital Inv	estment				\$0
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$0	\$0
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year Ending August 31, 2019 Capital Inv	estment	\$0	\$0	\$0	
32	Estimated Revenue Requirement on Rate Year Ending August 31, 2020 Capital Inv			\$0	\$0	
33	Estimated Revenue Requirement on Rate Year Ending August 31, 2021 Capital Inv				\$0	
34	Estimated Revenue Requirement on Rate Year Ending August 31, 2022 Capital Inv	estment				\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$0	\$0	\$12,170	\$505,000
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
		-				
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$0	\$0	\$12,170	\$505,000

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY

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d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - PI Historian Electric

Line <u>No.</u>			Rate Year 1 Ending 8/31/2019	Rate Year 2 Ending 8/31/2020	Rate Year 3 Ending 8/31/2021	Rate Year 4 Ending 8/31/2022
	Estimated Capital Investment		(a)	(b)	(c)	(d)
	<u>Estimated Capital Investment</u>					
1	PI Historian		\$0	\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base					
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
,	Change in Net Capital Included in Rate Base	Line 2	\$0	\$0	\$0	60
6	Capital Included in Rate Base	Line 2	\$0	\$0	50	\$0
7	Cost of Removal		\$0	\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	FY 2020 Spend	Page 3 of 13, Line 21	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0	\$0
	Book Depreciation					
12 13	Composite Book Depreciation Rate Book Depreciation	As filed per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5 * Line 12 * 50% ; Column (b, c, and d) = Line 5 *	14.29% \$0	14.29% \$0	14.29% \$0	14.29% \$0
13	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0 \$0	\$0 \$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	Less: FY 2020 Federal NOL		\$0	\$0		
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0	\$0
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0	\$0
	Revenue Requirement Calculation:					
25		Column (a) = Current Year Line $25 \div 2$; Column (b,c, and d) = (Prior	\$0.00	\$0	60	<u></u>
25 26	Average Rate Base befor Deferred Tax Proration Adjustment Proration Adjustment	Year Line 25 + Current Year Line 25) ÷ 2 Page 4 of 13, Line 41, Col (j) through Col. (m)	\$0.00 \$0	\$0 \$0	\$0 \$0	\$0 \$0
26 27	Average ISR Rate Base after Deferred Tax Proration	Page 4 of 15, Line 41, Col (j) through Col. (m) Line $25 + Line 26$	\$0 \$0	\$0 \$0	\$0	\$0 \$0
	·		1/			
26	Pre-Tax ROR		8.23%	8.23%		
27	Return and Taxes	Line 27 * Line 26	\$0	\$0	\$0	\$0
28	Book Depreciation	Line 13	\$0	\$0	\$0	\$0
29	Annual Revenue Requirement	Line 27 + Line 28	\$0	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction onRate Year 2019 IS Capital Investments Synergy Grid Mod - PI Historian Electric

Line			Rate Year 1 Ending 8/31/2019	Rate Year 2 Ending 8/31/2020	Rate Year 3 Ending 8/31/2021	Rate Year 4 Ending 8/31/2022
No.			(a)	(b)	(c)	(d)
1101	Capital Repairs Deduction		(4)	(0)	(0)	(u)
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 100%	75.00%			
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%			
11	Total Bonus Depreciation Rate	Line 9 + Line 10	75.00%			
12	Bonus Depreciation	Line 8 * Line 11	\$0			
	Remaining Tax Depreciation					
13	Plant Additions	Line 1	\$0			
14	Less Capital Repairs Deduction	Line 3	\$0			
15	Less Bonus Depreciation	Line 12	\$0			
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%	7.410%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	FY20 Loss incurred due to retirements		\$0	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$0	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-12 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2019 Net Deferred Tax Reserve Proration Synergy Grid Mod - PI Historian Electric

1Book DepreciationPage 15 of 25, Line 12, Col (a) and Col (b) - Page 16 of 25, Line 12, Col (a)\$0\$0\$03Remaining MACRS Tax Depreciation FY22 tax (gain)/loss on retirements Cumulative Book / Tax Timer Effective Tax Rate Deferred Tax Reserve- Page 16 of 25, Line 19, Col (a) - Page 16 of 25, Line 19, Col (a)\$0\$0\$06Effective Tax Rate 21% 21%21% 21%21% 21%21% 21%7Deferred Tax Not Subject to Proration Book/Tax Depreciation Timing Difference at 3/31/2022- Page 16 of 25, Line 3, Col (a) - Page 15 of 25, Line 3, Col (a)\$0\$08Capital Repairs Deduction Poroval 1- Page 16 of 25, Line 3, Col (a) - Page 15 of 25, Line 7, Col (a)\$0\$09Cost of Removal 2- Page 16 of 25, Line 9 + Line 10 21%\$0\$010Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10 21%\$011Cumulative Book / Tax Timer 2Line 8 + Line 9 + Line 10 21%\$012Effective Tax Rate 21%21% 21%21%13Deferred Tax ReserveLine 11 × Line 12\$014Total Deferred Tax ReserveLine 7 + Line 13 Line 17, Col (a)\$0\$015Net Operating Loss Line 14 + Line 15\$0\$0\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	\$0 \$0 21% \$0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	\$0 \$0 21% \$0
3Remaining MACRS Tax Depreciation- Page 16 of 25 , Col (d)\$0\$0\$04FY22 tax (gain)/loss on retirements- Page 16 of 25 , Line 19 , Col (a)\$0\$05Cumulative Book / Tax TimerSum of Lines 1 through 4\$0\$0\$06Effective Tax Rate21%21%21%7Deferred Tax ReserveLine 5 × Line 6\$0\$0\$08Capital Repairs Deduction- Page 16 of 25 , Line 3 , Col (a)\$0\$0\$09Cost of Removal- Page 15 of 25 , Line 7 , Col (a)\$0\$010Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10\$011Cumulative Book / Tax TimerLine 8 + Line 9 + Line 10\$012Effective Tax Rate21%13Deferred Tax ReserveLine 11 × Line 12\$014Total Deferred Tax ReserveLine 7 + Line 13\$0\$015Net Operating Loss- Page 15 of 25 , Line 17 , Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	\$0 21% \$0
4FY22 tax (gain)/loss on retirements- Page 16 of 25 , Line 19 , Col (a)S05Cumulative Book / Tax TimerSum of Lines 1 through 4S0S06Effective Tax Rate21%21%21%7Deferred Tax ReserveLine 5 × Line 6S0S08Capital Repairs Deduction- Page 16 of 25 , Line 3 , Col (a)S09Cost of Removal- Page 16 of 25 , Line 3 , Col (a)S010Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10S011Cumulative Book / Tax ReserveLine 11 × Line 12S014Total Deferred Tax ReserveLine 7 + Line 13S0S016Net Deferred Tax ReserveLine 14 + Line 15S0S0	\$0 21% \$0
5Cumulative Book / Tax TimerSum of Lines 1 through 4S0S0S06Effective Tax Rate21%21%21%7Deferred Tax ReserveLine 5 × Line 6S0S0S00Deferred Tax Not Subject to Proration- Page 16 of 25 , Line 3 , Col (a)S0S0S08Capital Repairs Deduction- Page 15 of 25 , Line 7 , Col (a)S0S0S09Cost of Removal- Page 15 of 25 , Line 7 , Col (a)S0S010Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10S011Cumulative Book / Tax Riter21%13Deferred Tax ReserveLine 11 × Line 12S014Total Deferred Tax ReserveLine 7 + Line 13S0S015Net Operating Loss- Page 15 of 25 , Line 17 , Col (a)S016Net Deferred Tax ReserveLine 14 + Line 15S0S0	21% \$0
6Effective Tax Rate21%21%21%21%7Deferred Tax ReserveLine 5 × Line 6\$0\$0\$00Deferred Tax Not Subject to Proration- Page 16 of 25 , Line 3 , Col (a)\$0\$08Capital Repairs Deduction- Page 16 of 25 , Line 3 , Col (a)\$0\$09Cost of Removal- Page 15 of 25 , Line 7 , Col (a)\$010Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10\$011Cumulative Book / Tax TimerLine 8 + Line 9 + Line 10\$012Effective Tax Rate21%13Deferred Tax ReserveLine 11 × Line 12\$014Total Deferred Tax ReserveLine 7 + Line 13\$0\$015Net Operating Loss- Page 15 of 25 , Line 17 , Col (a)\$0\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	21% \$0
7Deferred Tax ReserveLine 5 × Line 6\$0\$0\$0Deferred Tax Not Subject to Proration8Capital Repairs Deduction- Page 16 of 25 , Line 3 , Col (a)\$09Cost of Removal- Page 15 of 25 , Line 7 , Col (a)\$010Book/Tax Depreciation Timing Difference at 3/31/2022Line 8 + Line 9 + Line 10\$011Cumulative Book / Tax TimerLine 8 + Line 9 + Line 10\$012Effective Tax Rate21%13Deferred Tax ReserveLine 11 × Line 12\$014Total Deferred Tax ReserveLine 7 + Line 13\$0\$015Net Operating Loss- Page 15 of 25 , Line 17 , Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	\$0
Deferred Tax Not Subject to Proration8Capital Repairs Deduction- Page 16 of 25 , Line 3 , Col (a)\$09Cost of Removal- Page 15 of 25 , Line 7 , Col (a)\$010Book/Tax Depreciation Timing Difference at 3/31/202211Cumulative Book / Tax TimerLine 8 + Line 9 + Line 10\$012Effective Tax Rate21%13Deferred Tax ReserveLine 11 × Line 12\$014Total Deferred Tax ReserveLine 7 + Line 13\$0\$015Net Operating Loss- Page 15 of 25 , Line 17 , Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	
8 Capital Repairs Deduction - Page 16 of 25, Line 3, Col (a) \$0 9 Cost of Removal - Page 15 of 25, Line 7, Col (a) \$0 10 Book/Tax Depreciation Timing Difference at 3/31/2022 Line 8 + Line 9 + Line 10 \$0 11 Cumulative Book / Tax Riter 21% 13 Deferred Tax Reserve Line 11 × Line 12 \$0 14 Total Deferred Tax Reserve Line 7 + Line 13 \$0 \$0 15 Net Operating Loss - Page 15 of 25, Line 17, Col (a) \$0 16 Net Deferred Tax Reserve Line 14 + Line 15 \$0 \$0	\$0
9 Cost of Removal - Page 15 of 25 , Line 7 ,Col (a) \$0 10 Book/Tax Depreciation Timing Difference at 3/31/2022 Line 8 + Line 9 + Line 10 \$0 11 Cumulative Book / Tax Timer Line 8 + Line 9 + Line 10 \$0 12 Effective Tax Rate 21% 13 Deferred Tax Reserve Line 11 × Line 12 \$0 14 Total Deferred Tax Reserve Line 7 + Line 13 \$0 \$0 15 Net Operating Loss - Page 15 of 25 , Line 17 , Col (a) \$0 \$0 16 Net Deferred Tax Reserve Line 14 + Line 15 \$0 \$0	\$0
10 Book/Tax Depreciation Timing Difference at 3/31/2022 11 Cumulative Book / Tax Timer 12 Effective Tax Rate 13 Deferred Tax Reserve 14 Total Deferred Tax Reserve 15 Net Operating Loss 16 Net Deferred Tax Reserve	\$0
11 Cumulative Book / Tax Timer Line 8 + Line 9 + Line 10 \$0 12 Effective Tax Rate 21% 13 Deferred Tax Reserve Line 11 × Line 12 14 Total Deferred Tax Reserve Line 7 + Line 13 15 Net Operating Loss - Page 15 of 25 , Line 17 , Col (a) 16 Net Deferred Tax Reserve Line 14 + Line 15	\$0
12Effective Tax Rate21%13Deferred Tax ReserveLine 11 × Line 12\$014Total Deferred Tax ReserveLine 7 + Line 13\$0\$015Net Operating Loss- Page 15 of 25 , Line 17 , Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	\$0
13Deferred Tax ReserveLine 11 × Line 12\$014Total Deferred Tax ReserveLine 7 + Line 13\$0\$015Net Operating Loss- Page 15 of 25 , Line 17 , Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	\$0
14Total Deferred Tax ReserveLine 7 + Line 13\$0\$0\$015Net Operating Loss- Page 15 of 25 , Line 17 ,Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0	\$0
15Net Operating Loss- Page 15 of 25 , Line 17 ,Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0\$0	\$0
15Net Operating Loss- Page 15 of 25 , Line 17 ,Col (a)\$016Net Deferred Tax ReserveLine 14 + Line 15\$0\$0\$0	
	\$0
Allocation of FY 2022 Estimated Federal NOL	
17 Cumulative Book/Tax Timer Subject to Proration Line 5 \$0 18 Cumulative Book/Tax Timer Not Subject to Proration Line 11 \$0	
18 Cumulative Book/Tax Timer Not Subject to Proration Line 11 \$0 19 Total Cumulative Book/Tax Timer Line 17 + Line 18 \$0	
19 Total Cumulative Book Tax 1 mer Line 17 + Line 18 30	
20 Total FY 2022 Federal NOL - Page 15 of 25, Line 17, Col (a)+21% \$0	
21 Allocated FY 2021 Federal NOL Not Subject to Proration (Line 18 ÷ Line 19) × Line 20	
22 Allocated FY 2021 Federal NOL Subject to Proration (Line 17 ÷ Line 19) × Line 20	
23 Effective Tax Rate 21%	
24Deferred Tax Benefit subject to prorationLine 22 × Line 23\$0	
25Net Deferred Tax Reserve subject to prorationLine 7 + Line 24\$0\$0\$0	\$0
(h) (i) (j) (k) (l)	(m)
Number of Days in	
	te Year 4
26 April 30 91.78% \$0 \$0 \$0 27 May 31 83.29% \$0 \$0 \$0	\$0 \$0
27 May 31 83.23% 50 50 50 50 28 June 30 75.07% \$0 \$0 \$0	\$0 \$0
29 July 31 66.58% \$0 <	\$0 \$0
29 July 31 05.06% 30 30 30 30 30 August 31 58.08% \$0 \$0 \$0 \$0	\$0 \$0
31 September 30 49.86% \$0 \$0 \$0	\$0
32 October 31 41.37% \$0 \$0 \$0	\$0
33 November 30 33.15% \$0 \$0 \$0	\$0
34 December 31 24.66% \$0 \$0 \$0	\$0
35 January 31 16.16% \$0 \$0 \$0	\$0
36 February 28 8.49% \$0 \$0 \$0	\$0
37 March 31 0.00% <u>\$0</u> \$0 \$0	\$0
38 Total 365 \$0 \$0 \$0	\$0
39 Deferred Tax Without Proration Line 25 \$0 \$0 \$0	\$0
40 Average Deferred Tax without Proration	
Line 39 × 0.5 \$0 \$0 \$0	
41Proration AdjustmentLine 38 - Line 40\$0\$0\$0	\$0 \$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - PI Historian Electric

Line <u>No.</u>			Rate Year 2 Ending <u>8/31/2020</u> (a)	Rate Year 2 Ending <u>8/31/2021</u> (b)	Rate Year 3 Ending <u>8/31/2022</u> (c)
	Estimated Capital Investment				
1	PI Historian		\$0	\$0	\$0
2	Total Estimated Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base				
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	FY 2021 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
	Deferred Tax Calculation:				
16	Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
17	Effective Tax Rate	1. 1/ +1. 17	21.00%	21.00%	21.00%
18 19	Deferred Tax Reserve Less: FY 2021 Federal NOL	Line 16 * Line 17	\$0 \$0	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19		\$0	\$0
		Sun of Enes to unough 19		50	\$0
21	Rate Base Calculation: Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0
	Revenue Requirement Calculation:				
25	American Date Date Information data to the second	Column (a) = Current Year Line $25 \div 2$; Column (b and c) = (Prior Year Line 25	£0.	\$0	50
25 26	Average Rate Base befor Deferred Tax Proration Adjustment Proration Adjustment	+ Current Year Line 25) ÷ 2 Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0 \$0	\$0 \$0	\$0 \$0
26 27	Proration Adjustment Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0 \$0	\$0
21		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,	ψŪ	4 0	ψŪ
26	Pre-Tax ROR	Workpaper MAL-6	8.23%	8.23%	8.23%
27	Return and Taxes	Line 25 * Line 26	\$0	\$0	\$0
28	Book Depreciation	Line 13	\$0	\$0	\$0
29	Annual Revenue Requirement	Line 27 + Line 28	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2020 IS Capital Investments Synergy Grid Mod - PI Historian Electric

• •			Rate Year 2 Ending Ra	Ų	Ų
Line No.			<u>8/31/2020</u> (a)	<u>8/31/2021</u> (b)	8/31/2022 (c)
110.	Capital Repairs Deduction		(a)	(0)	(0)
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%		
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20		\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Elics 5, 12, 10, 17, and 20		\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-12 Page 7 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2020 Net Deferred Tax Reserve Proration Synergy Grid Mod - PI Historian Electric

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 2	(b) Rate Year 3	(c) Rate Year 4
1 2	Book Depreciation Bonus Depreciation		12 ,Col (a) and Col (b) , Line 12 ,Col (a)	\$0 \$0	\$0	\$0
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25, Col (d)	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0		
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction		5 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022					
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line 11	× Line 12	\$0		
14	Total Deferred Tax Reserve		+ Line 13	\$0	\$0	\$0
15	Net Operating Loss	- Page 15 of 25, Line 17, Col (a)		\$0		
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration		ine 5	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11		\$0		
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0		
20	Total FY 2022 Federal NOL	- Page 15 of 25 , Line 17 ,Col (a)÷21%		\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration	· · · · · · · · · · · · · · · · · · ·	ne 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	ne 19) × Line 20			
23	Effective Tax Rate			21%		
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)
		Number of Days in				
26	Proration Calculation	Month	Proration Percentage	Rate Year 2	Rate Year 3	Rate Year 4
26 27	April May	30 31	91.78% 83.29%	\$0 \$0	\$0 \$0	\$0 \$0
27	June	31	83.29% 75.07%	\$0 \$0	\$0 \$0	\$0 \$0
28	July	31	66.58%	\$0 \$0	\$0 \$0	30 \$0
30	August	31	58.08%	\$0	\$0 \$0	\$0
31	September	30	49.86%	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0
39 40	Deferred Tax Without Proration Average Deferred Tax without Proration	Li	ne 25	\$0	\$0	\$0
		Line	39×0.5	\$0	\$0	\$0
41	Proration Adjustment		3 - Line 40	\$0	\$0	\$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - PI Historian Electric

Line <u>No.</u>			Rate Year 3 Ending <u>8/31/2021</u> (a)	Rate Year 4 Ending <u>8/31/2022</u> (b)
	Estimated Capital Investment		(a)	(0)
1	PI Historian		\$0	\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$0	\$0
	Depreciable Net Capital Included in Rate Base			
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0
4	Retirements	Line 4 * 0%	\$0 \$0	\$0 \$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4, them = Column (a)	\$0	50
	Change in Net Capital Included in Rate Base			
6	Capital Included in Rate Base	Line 2	\$0	\$0
_				
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0
9	Tax Depreciation Vintage Year Tax Depreciation:			
10	FY 2022 Spend	Page 9 of 13, Line 21	\$0	\$0
11	Cumulative Tax Depreciation	Current Year Line 10	\$0 \$0	\$0 \$0
			<i>\$</i> 0	40
	Book Depreciation			
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b) = Line 5 * Line 12 Current Year Line 13	\$0 \$0	\$0 \$0
14	Cumulative Book Depreciation	Current Year Line 13	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0
	Deferred Tax Calculation:			
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0
19	Less: FY 2022 Federal NOL		\$0 \$0	\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0
	Revenue Requirement Calculation:			
		Column (a) = Current Year Line 25 ÷ 2; Column (b) = (Prior Year Line 25 + Current		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25) ÷ 2	\$0.00	\$0.00
26	Proration Adjustment	, Line 41, Col (j) through Col. (k)	\$0	\$0
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper		
26 27	Pre-Tax ROR Return and Taxes	MAL-6 Line 25 * Line 26	<u>8.23%</u> \$0	0.00%
27	Book Depreciation	Line 25 Line 26 Line 13	\$0 \$0	\$0 \$0
20	Book Depresation	Lunc 1.3	20	\$U
29	Annual Revenue Requirement	Line 27 + Line 28	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2021 IS Capital Investments Synergy Grid Mod - PI Historian Electric

. .			Rate Year 3 Ending	
Line			<u>8/31/2021</u>	<u>8/31/2022</u>
<u>No.</u>	Capital Repairs Deduction		(a)	(b)
1	Plant Additions	Page 8 of 13, Line 2	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2		
3	Capital Repairs Deduction	Line I · Line 2	30	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	\$0
14	Less Capital Repairs Deduction	Line 3	\$0	\$0
15	Less Bonus Depreciation	Line 12	\$0	\$0
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		5)	• •	• •
		Sum of Lines 3, 12, 18, 19, and		
21	Total Tax Depreciation and Repairs Deduction	20	\$0	\$0
	-			

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-12 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2021 Net Deferred Tax Reserve Proration Synergy Grid Mod - PI Historian Electric

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 3	(b) Rate Year 4
1	Book Depreciation	Page 15 of 25 Line	12 ,Col (a) and Col (b)	\$0	\$0
2	Bonus Depreciation	· ·	, Line 12 ,Col (a)	\$0 \$0	00
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25, Col (d)	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer		es 1 through 4	\$0	\$0
6	Effective Tax Rate			21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	- Page 16 of 25	, Line 3 ,Col (a)	\$0	
9	Cost of Removal	- Page 15 of 25	, Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022				
11	Cumulative Book / Tax Timer	Line 8 + Lir	ne 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	Li	ne 5	\$0	
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11		\$0	
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0	
20	Total FY 2022 Federal NOL	- Page 15 of 25 , Line 17 ,Col (a)÷21%		\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	,	ne 19) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	ne 19) × Line 20		
23	Effective Tax Rate			21%	
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0
		(h)	(i)	(j)	(k)
		Number of Days in			
	Proration Calculation	Month	Proration Percentage	Rate Year 3	Rate Year 4
26	April	30	91.78%	\$0	\$0
27	May	31	83.29%	\$0	\$0
28	June	30	75.07%	\$0	\$0
29	July	31	66.58%	\$0	\$0
30	August	31	58.08%	\$0	\$0
31	September	30	49.86%	\$0	\$0
32	October	31	41.37%	\$0	\$0
33 34	November December	30 31	33.15% 24.66%	\$0 \$0	\$0 \$0
34 35		31	24.00% 16.16%	\$0 \$0	\$0 \$0
35 36	January February	28	8.49%	\$0 \$0	\$0 \$0
30	March	28 31	0.00%	\$0 \$0	\$0 \$0
38	Total	365	0.00%	\$0	\$0
39	Deferred Tax Without Proration	Lir	ne 25	\$0	\$0
40	Average Deferred Tax without Proration	Lina	39×0.5	\$0	\$0
41	Proration Adjustment		- Line 40	\$0 \$0	\$0 \$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - PI Historian Electric

ine No.			Rate Year 3 Endir 31-Aug-22
	Estimated Capital Investment		(a)
1	PI Historian		
2	Total Estimated Capital Investment	Sum of Line 1	
	Depreciable Net Capital Included in Rate Base		
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	
4	Retirements	Line 4 * 0%	
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4	
	Change in Net Capital Included in Rate Base		
6	Capital Included in Rate Base	Line 2	
7	Cost of Removal		
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	
	Tax Depreciation		
9	Vintage Year Tax Depreciation:		
10	FY 2023 Spend	Page 12 of 13, Line 21	
11	Cumulative Tax Depreciation	Current Year Line 10	
•••	Cumulative Fait Depresiation		
	Book Depreciation		
12	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	14.2
13 14	Book Depreciation	Column (a) = Line 5* Line 12 * 50% Current Year Line 13	
14	Cumulative Book Depreciation	Current Year Line 13	
15	Total Cumulative Book Depreciation	Line 14	
	Deferred Tax Calculation:		
16	Cumulative Book / Tax Timer	Line 11 - Line 15	
17	Effective Tax Rate		21.0
18	Deferred Tax Reserve	Line 16 * Line 17	
19	Less: FY 2023 Federal NOL		
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	
	Rate Base Calculation:		
21	Cumulative Incremental Capital Included in Rate Base	Line 8	
22	Accumulated Depreciation	- Line 15	
23	Deferred Tax Reserve	- Line 20	
24	Year End Rate Base	Sum of Lines 21 through 23	
	Revenue Requirement Calculation:		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$	\$0
26	Proration Adjustment	Page 13 of 13, Line 41, Col (j) through Col. (k)	
27	Average ISR Rate Base after Deferred Tax Proration	Line 25 + Line 26	
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper	
28	Pre-Tax ROR	MAL-6	8.2
29	Return and Taxes	Line 25 * Line 28	
30	Book Depreciation	Line 13	
31	Annual Revenue Requirement	Line 29 + Line 30	

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.35%	4.62%	2.23%		2.23%
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%	9.275%	4.73%	1.26%	5.99%
	100.00%		6.97%	1.26%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-12 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year 2022 IS Capital Investments Synergy Grid Mod - PI Historian Electric

Line <u>No.</u>			Rate Year 3 Ending <u>8/31/2022</u> (a)
	Capital Repairs Deduction		
1	Plant Additions	Page 11 of 13, Line 2	\$0
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%
11	Total Bonus Depreciation Rate	Line $9 + \text{Line } 10$	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$0
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0
17	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 8 of 13, Line 7	\$0
		Sum of Lines 3, 12, 18, 19, and	
21	Total Tax Depreciation and Repairs Deduction	20	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-12 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2022 Net Deferred Tax Reserve Proration Synergy Grid Mod - PI Historian Electric

Line No.	Deferred Tax Subject to Proration			Rate Year 4
	-	D 15 625 L	12 (1()) () () ()	¢0.
1 2	Book Depreciation		12 ,Col (a) and Col (b)	\$0 \$0
2	Bonus Depreciation	- Page 16 61 25	, Line 12 ,Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Line 5	5 × Line 6	\$0
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction	- Page 16 of 2	5 , Line 3 ,Col (a)	\$0
9	Cost of Removal	- Page 15 of 2	5 , Line 7 ,Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0
12	Effective Tax Rate			21%
13	Deferred Tax Reserve	Line 11	× Line 12	\$0
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0
15	Net Operating Loss	- Page 15 of 25	, Line 17 ,Col (a)	\$0
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0
18	Cumulative Book/Tax Timer Not Subject to Proration	Li	ne 11	\$0
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0
20	Total FY 2022 Federal NOL	- Page 15 of 25, I	Line 17 ,Col (a)÷21%	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Li	ne 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Li	ne 19) × Line 20	
23	Effective Tax Rate			21%
24	Deferred Tax Benefit subject to proration	Line 22	2 × Line 23	\$0
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0
		(h)	(i)	(j)
		Number of Days in		•
	Proration Calculation	Month	Proration Percentage	Rate Year 4
26	April	30	91.78%	\$0
27	May	31	83.29%	\$0
28	June	30	75.07%	\$0
29	July	31	66.58%	\$0
30	August	31	58.08%	\$0
31	September	30	49.86%	\$0
32	October	31	41.37%	\$0
33	November	30	33.15%	\$0
34	December	31	24.66%	\$0
35	January	31	16.16%	\$0
36	February	28	8.49%	\$0
37	March	31	0.00%	\$0
38	Total	365		\$0
39	Deferred Tax Without Proration	Li	ne 25	\$0
40	Average Deferred Tax without Proration		20 05	£0.
		Line	39 × 0.5	\$0

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 Power Sector Transformation (PST) Grid Mod Synergy - Advanced Analytics Rate Year Annual Revenue Requirement Summary - Electric Only

Line <u>No.</u>			Rate Year Ending August 31, 2019 (a)	Rate Year Ending August 31, 2020 (b)	Rate Year Ending August 31, 2021 (c)	Rate Year Ending August 31, 2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:		()	()	()	(-)
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$0	\$0	\$0	\$0
5	DSCADA & ADMS		\$0	\$0	\$0	\$0
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$111,078	\$72,366	\$305,000
11	Telecommunications		\$0	\$0	\$0	\$0
12	Cybersecurity		\$0	\$0	\$0	\$0
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$0	\$111,078	\$72,366	\$305,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	\$0
15	GIS Data Enhancement		\$0	\$0	\$0	\$0
16	Enterprise Service Bus		\$0	\$0	\$0	\$0
17	Data Lake		\$0	\$0	\$0	\$0
18	PI Historian		\$0	\$0	\$0	\$0
19	Advanced Analytics		\$0	\$0	\$0	\$0
20	Telecommunications		\$0	\$0	\$0	\$0
21	Cybersecurity	-	\$0	\$0	\$0	\$0
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$0	\$111,078	\$72,366	\$305,000
24	Electric Capital Investment:					
25	Estimated Revenue Requirement on Rate Year 1 Capital Investment		\$0	\$0	\$0	\$0
26	Estimated Revenue Requirement on Rate Year 2 Capital Investment		30	\$0 \$0	\$0	\$0
27	Estimated Revenue Requirement on Rate Year 3 Capital Investment			50	\$41,265	\$79,212
28	Estimated Revenue Requirement on Rate Year 4 Capital Investment				011,200	\$0
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$41,265	\$79,212
30	Gas Capital Investment:					
30	Estimated Revenue Requirement on Rate Year 1 Capital Investment		\$0	\$0	\$0	\$0
31	Estimated Revenue Requirement on Rate Year 2 Capital Investment		30	\$0 \$0	50 50	\$0 \$0
32	Estimated Revenue Requirement on Rate Year 3 Capital Investment			30	50 50	\$0 \$0
33	Estimated Revenue Requirement on Rate Year 5 Capital Investment				\$0	\$0 \$0
34	Estimated Revenue Requirement on Rate 1 ear 4 Capital investment	_				30
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$0	\$111,078	\$113,631	\$384,212
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$0	\$111,078	\$113,631	\$384,212
		=			,	

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - Advanced Analytics IS

Line No.			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
			(a)	(b)	(c)	(d)
	Estimated Capital Investment					
1	Advanced Analytics		\$0	\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base					
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base					
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	RY1 Spend	Page 3 of 13, Line 19	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0	\$0
12	Book Depreciation Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b, c, and d) = Line 5 *	\$0	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%	
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
19 20	Less: Federal NOL Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0 \$0	\$0 \$0	\$0 \$0	
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19		\$0	\$0	50
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	\$0
23 24	Deferred Tax Reserve	- Line 20	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
24	Year End Rate Base	Sum of Lines 21 through 23	50	\$0	\$0	\$0
	Revenue Requirement Calculation:					
		Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior				
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25 + Current Year Line 25) \div 2	\$0.00 \$0	\$0 \$0	\$0 \$0	\$0
26 27	Proration Adjustment Average Rate Base after Deferred Tax Proration	Page 4 of 13, Line 41, Col (j) through Col. (m) Line 25 + Line 26	\$0	\$U \$0	\$U \$0	\$0 \$0
21	Average Nate base alter Deterred Tax Protation			φυ	φŪ	φU
28	Pre-Tax ROR		8.23%	8.23%	8.23%	
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31, 2019 IS Capital Investments Synergy Grid Mod - Advanced Analytics IS

Line			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
No.			(a)	(b)	(c)	(d)
	Capital Repairs Deduction		()		()	
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate	0%	0.00%			
10	Bonus Depreciation	Line 8 * Line 9	\$0			
	Remaining Tax Depreciation					
11	Plant Additions	Line 1	\$0			
12	Less Capital Repairs Deduction	Line 3	\$0			
13	Less Bonus Depreciation	Line 10	\$0			
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%	7.410%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0	\$0
17	RY1 Loss incurred due to retirements		\$0	\$0	\$0	\$0
18	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, and 18	\$0	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, and 18	\$0	\$0	\$0	

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-13 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 1 Net Deferred Tax Reserve Proration Synergy Grid Mod - Advanced Analytics IS

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 1	(b) Rate Year 2	(c) Rate Year 3	(c) Rate Year 4
1	Book Depreciation	D 15 . 625 T.	12 ,Col (a) and Col (b)	\$0	\$0	\$0	\$0
2	Book Depreciation Bonus Depreciation	0	, Line 12 ,Col (a)	\$0 \$0	\$0	\$0	20
3	Remaining MACRS Tax Depreciation	Page 16	of 25, Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0 \$0	20	\$0	30
5	Cumulative Book / Tax Timer	•	es 1 through 4	\$0 \$0	\$0	\$0	\$0
6	Effective Tax Rate	Sum of Em	es i unougn i	21%	21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		5 , Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 2:	5 , Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line 11	× Line 12	\$0			
14	Total Deferred Tax Reserve		+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration	Li	ne 11	\$0			
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0			
20	Total FY 2022 Federal NOL	- Page 15 of 25 , I	Line 17 ,Col (a)÷21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ne 19) × Line 20				
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Li	ne 19) × Line 20				
23	Effective Tax Rate			21%			
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)	(m)
		Number of Days in					
24	Proration Calculation	Month	Proration Percentage	Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4
26 27	April May	30 31	91.78% 83.29%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
27	June	30	75.07%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
28 29	July	30	66.58%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
30	August	31	58.08%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
31	September	30	49.86%	\$0	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Li	ne 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration	т.	20 × 0.5	0	¢0	¢.0	¢0.
41	Proration Adjustment		39 × 0.5 8 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0

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 Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - Advanced Analytics IS

Line <u>No.</u>			Rate Year Ending August 31, 2020 (a)	Rate Year Ending August 31, 2021 (b)	Rate Year Ending August 31, 2022 (c)
	Estimated Capital Investment		(a)	(0)	(6)
1	Advanced Analytics		\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base				
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	Rate Year 2 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%
13 14	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12 Prior Year Line 14 + Current Year Line 13	\$0 \$0	\$0 \$0	\$0 \$0
14	Cumulative Book Depresation				
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
16	Deferred Tax Calculation:	T. 11 T. 14	* 0	¢0.	<u> </u>
16 17	Cumulative Book / Tax Timer Effective Tax Rate	Line 11 - Line 14	\$0 21.00%	\$0 21.00%	\$0 21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0
19	Less: Federal NOL	Life 10 Life 17	\$0 \$0	\$0	\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0
	D C L L C				
21	Rate Base Calculation: Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0
21	Accumulated Depreciation	- Line 15	\$0 \$0	\$0 \$0	\$0 \$0
23	Deferred Tax Reserve	- Line 19	\$0 \$0	\$0 \$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0
	Revenue Requirement Calculation:				
		Column (a) = Current Year Line 25 ÷ 2; Column (b and c) = (Prior Year Line 25			
25	Average Rate Base befor Deferred Tax Proration Adjustment	+ Current Year Line 25) ÷ 2	\$0	\$0	\$0
26	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0	\$0	\$0
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
26		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,	0.000/	0.000/	0.000/
28 29	Pre-Tax ROR Return and Taxes	Workpaper MAL-6 Line 27 * Line 28	<u>8.23%</u> \$0	<u>8.23%</u> \$0	<u>8.23%</u> \$0
30	Book Depreciation	Line 27 Line 28	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	50
51	Annual Revenue Requirement	Line 27 + Line 50	30	30	30

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31 ,2020 IS Capital Investments Svneryv Grid Mod - Advanced Analytics IS

Synergy	Grid Mod	- Advanced	Analytics IS	

Line No.			Rate Year Ending August 31, 2020 (a)	Rate Year Ending August 31, 2021 (b)	Rate Year Ending August 31, 2022 (c)
	Capital Repairs Deduction				.,
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate	0%	0.00%		
10	Bonus Depreciation	Line 8 * Line 9	\$0		
	Remaining Tax Depreciation				
11	Plant Additions	Line 1	\$0		
12	Less Capital Repairs Deduction	Line 3	\$0		
13	Less Bonus Depreciation	Line 10	\$0		
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0
17	RY2 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
18	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, 17, and 18	\$0	\$0	\$0
	1 I			• ·	

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-13 Page 7 of 13

(c)

(a) (b)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2 Net Deferred Tax Reserve Proration Synergy Grid Mod - Advanced Analytics IS

				(a)	(0)	(c)
Line No.	Deferred Tax Subject to Proration			Rate Year 2	Rate Year 3	Rate Year 4
	·					
1	Book Depreciation		e 12 ,Col (a) and Col (b)	\$0	\$0	\$0
2	Bonus Depreciation	- Page 16 of 2	5 , Line 12 ,Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 2	5 , Line 19 ,Col (a)	\$0		
5	Cumulative Book / Tax Timer	Sum of Li	nes 1 through 4	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	- Page 16 of 2	25 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of 2	25 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022					
11	Cumulative Book / Tax Timer	Line 8 + L	ine 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line 1	1 × Line 12	\$0		
14	Total Deferred Tax Reserve		7 + Line 13	\$0	\$0	\$0
15	Net Operating Loss		5 , Line 17 ,Col (a)	\$0		
16	Net Deferred Tax Reserve	Line 1	4 + Line 15	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		ine 11	\$0		
19	Total Cumulative Book/Tax Timer	Line 1	7 + Line 18	\$0		
20	Total FY 2022 Federal NOL		Line 17 ,Col (a)÷21%	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ine 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ L	ine 19) × Line 20			
23 24	Effective Tax Rate Deferred Tax Benefit subject to proration	Line 2	2 × Line 23	21% \$0		
	•					
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)
		Number of Days in		D V 2	D (17 2	D V V
26	Proration Calculation	Month 30	Proration Percentage 91.78%	Rate Year 2 \$0	Rate Year 3 \$0	Rate Year 4
26 27	April	30	91.78% 83.29%	\$0 \$0	\$0 \$0	\$0 \$0
27	May June	30	75.07%	\$0 \$0	\$0 \$0	\$0 \$0
28 29	July	30	66.58%	\$0 \$0	\$0 \$0	\$0 \$0
30	August	31	58.08%	\$0 \$0	\$0 \$0	30 \$0
31	September	30	49.86%	\$0	\$0 \$0	\$0 \$0
32	October	31	41.37%	\$0	\$0 \$0	\$0 \$0
33	November	30	33.15%	\$0	\$0 \$0	\$0 \$0
34	December	31	24.66%	\$0	\$0 \$0	\$0 \$0
35	January	31	16.16%	\$0	\$0 \$0	\$0 \$0
36	February	28	8.49%	\$0	\$0 \$0	\$0 \$0
37	March	31	0.00%	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0
39	Deferred Tax Without Proration	L	ine 25	\$0	\$0	\$0
40	Average Deferred Tax without Proration					
41	Prototion Adjustment		e 39 × 0.5 8 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0
41	Proration Adjustment	Line 3	0 - LIIIC 40	\$0	\$0	\$0

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - Advanced Analytics IS

Line <u>No.</u>			Rate Year Ending <u>August 31, 2021</u> (a)	Rate Year Ending August 31, 2022 (b)
	Estimated Capital Investment		(a)	(0)
1	Advanced Analytics		\$383,610	\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$383,610	\$0
	Depreciable Net Capital Included in Rate Base			
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$383,610	\$0
4	Retirements	Line 4 * 0%	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4, them = $Column (a)$	\$383,610	\$383,610
	Change in Net Capital Included in Rate Base			
6	Capital Included in Rate Base	Line 2	\$383,610	\$0
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$383,610	\$383,610
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	Rate Year 3 Spend	Page 9 of 13, Line 19	\$127,857	\$170,515
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$127,857	\$298,372
	Book Depreciation			
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12	\$27,401	\$54,801
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$27,401	\$82,202
15	Total Cumulative Book Depreciation	Line 14	\$27,401	\$82,202
	Deferred Tax Calculation:			
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$100,456	\$216,170
17 18	Effective Tax Rate Deferred Tax Reserve	Line 16 * Line 17	21.00% \$21.096	21.00% \$45,396
18	Less: Federal NOL	Line 16 * Line 17	\$21,096 \$0	\$45,396 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$21,096	\$45,396
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$383,610	\$383,610
22	Accumulated Depreciation	- Line 15	(\$27,401)	(\$82,202)
23	Deferred Tax Reserve	- Line 20	(\$21,096)	(\$45,396)
24	Year End Rate Base	Sum of Lines 21 through 23	\$335,113	\$256,012
	Revenue Requirement Calculation:			
		Column (a) = Current Year Line $25 \div 2$; Column (b) = (Prior Year Line $25 + Current$		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25) $\div 2$	\$167,556.73	\$295,562.83
26 27	Proration Adjustment Average Rate Base after Deferred Tax Proration	, Line 41, Col (j) through Col. (k) Line 25 + Line 26	\$905 \$168,462	\$1,043 \$296,606
<i>21</i>	Average hale base aller berened tax i totalioli	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper	φ100,402	ψ200,000
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$13,864	\$24,411
30	Book Depreciation	Line 13	\$27,401	\$54,801
31	Annual Revenue Requirement	Line 29 + Line 30	\$41,265	\$79,212

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year IS ending August 31, 2021 Capital Investments Synergy Grid Mod - Advanced Analytics IS

Line <u>No.</u>			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (b)
	Capital Repairs Deduction			
1	Plant Additions	Page 8 of 13, Line 2	\$383,610	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$383,610	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$383,610	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$383,610	
9	Total Bonus Depreciation Rate	0%	0.00%	
10	Bonus Depreciation	Line 8 * Line 9	\$0	
	Remaining Tax Depreciation			
11	Plant Additions	Line 1	\$383,610	
12	Less Capital Repairs Deduction	Line 3	\$0	
13	Less Bonus Depreciation	Line 10	\$0	
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$383,610	\$383,610
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$127,857	\$170,515
17	RY3 Loss incurred due to retirements	Per Tax Department	\$0	\$0
18	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		Sum of Lines 3, 10, 16, 17, and		
19	Total Tax Depreciation and Repairs Deduction	18	\$127,857	\$170,515

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-13 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 3 Net Deferred Tax Reserve Proration Synergy Grid Mod - Advanced Analytics IS

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 3	(b) Rate Year 4
1		Dece 15 (625) Line	12 C-1(-)1 C-1(4)	627 401	654 901
1 2	Book Depreciation Bonus Depreciation		12 ,Col (a) and Col (b) , Line 12 ,Col (a)	\$27,401 \$0	\$54,801
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25 , Col (d)	(\$127,857)	(\$170,515)
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	(\$100,456)	(\$115,714)
6	Effective Tax Rate			21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	(\$21,096)	(\$24,300)
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	- Page 16 of 2:	5 , Line 3 ,Col (a)	\$0	
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022				
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	(\$21,096)	(\$24,300)
15	Net Operating Loss	- Page 15 of 25	, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	(\$21,096)	(\$24,300)
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	(\$100,456)	
18	Cumulative Book/Tax Timer Not Subject to Proration	Li	ne 11	\$0	
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	(\$100,456)	
20	Total FY 2022 Federal NOL	- Page 15 of 25, I	Line 17 ,Col (a)÷21%	\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	· ·	ne 19) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Li	ne 19) × Line 20		
23	Effective Tax Rate			21%	
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	(\$21,096)	(\$24,300)
		(h)	(i)	(j)	(k)
		Number of Days in			
	Proration Calculation	Month	Proration Percentage	Rate Year 3	Rate Year 4
26	April	30	91.78%	(\$1,613)	(\$1,859)
27	May	31	83.29%	(\$1,464)	(\$1,687)
28	June	30	75.07%	(\$1,320)	(\$1,520)
29 30	July August	31 31	66.58% 58.08%	(\$1,170)	(\$1,348)
30	September	30	49.86%	(\$1,021) (\$877)	(\$1,176) (\$1,010)
32	October	31	49.80%	(\$727)	(\$838)
33	November	30	33.15%	(\$583)	(\$671)
34	December	31	24.66%	(\$433)	(\$499)
35	January	31	16.16%	(\$284)	(\$327)
36	February	28	8.49%	(\$149)	(\$172)
37	March	31	0.00%	\$0	\$0
38	Total	365		(\$9,642)	(\$11,107)
39	Deferred Tax Without Proration	Li	ne 25	(\$21,096)	(\$24,300)
40	Average Deferred Tax without Proration				
41	Proration Adjustment		39 × 0.5 8 - Line 40	(\$10,548) \$905	(\$12,150) \$1,043
41	i ioration Aujustinent	Line 30	- Line 40	\$903	\$1,045

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - Advanced Analytics IS

Estimated Capital Investment S0 1 Advanced Analytics S0 2 Total Elimited Capital Included in Rate Base Line 2 S0 3 Total Allowed Capital Included in Rate Base Line 4 + 0% S0 3 Total Allowed Capital Included in Rate Base Column (a) = Line 3 - Line 4 S0 4 Operation S0 S0 S0 5 Net Depreciable Capital Included in Rate Base Column (a) = Line 3 - Line 4 S0 6 Capital Included in Rate Base Line 2 S0 7 Cost of Removal Eline 2 S0 8 Total Net Hant in Service Including Cost of Removal Line 6 + Line 7 S0 9 Vitating Year Tax Depreciation: Operation Current Year Line 10 S0 10 Referention Current Year Line 10 S0 S0 11 Cumulative Tax Depreciation Current Year Line 13 S0 12 Composite Book Depreciation Current Year Line 13 S0 13 Total Cumulative Book Depreciation Current Year Line 13 S0 14 Cumulative Book Depreciation	Line <u>No.</u>			Rate Year Ending <u>August 31, 2022</u> (a)
2 Total Estimated Capital Investment Sum of Line 1 \$40 Deprecishes Net Capital Included in Rate Base Line 4* (9%) \$00 4 Retirements Line 4* (9%) \$00 5 Net Deprecishe Capital Included in Rate Base Column (a) = Line 3 - Line 4 \$01 6 Capital Included in Rate Base Line 2 \$00 7 Cost of Removal \$00 8 Total Estimated Capital Included in Rate Base Line 2 \$00 7 Cost of Removal \$00 \$00 8 Total Net Plant in Service Including Cost of Removal Line 6 + Line 7 \$00 9 Vintage Yearl Tax Depreciation: \$00 \$00 10 RY4 Spend Page 12 of 13, Line 19 \$00 11 Cumulative Tax Depreciation: \$00 \$00 12 Composite Book Depreciation Rate As approved per R.LP.U.C. Docket No. 4770 \$14,29% 14 S00 Cumulative Book Depreciation Cumulative Book Depreciation Cumulative Book Plant Plant In Serve 15 Total Camulative Book Depreciation Line 14 \$90 16 Cumulative Book Depreciation Line 14 \$90 17 Total Camulative Book Page Plant In Plant In Serve S00		Estimated Capital Investment		(-)
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9 Vintage Year Tax Depreciation: Page 12 of 13, Line 19 S0 10 RY4 Spend Page 12 of 13, Line 19 S0 11 Cumulative Tax Depreciation Current Year Line 10 S0 12 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 14.29% 13 Book Depreciation Column (a) = Line 5* Line 12* 50% S0 14 Cumulative Book Depreciation Current Year Line 13 S0 15 Total Cumulative Book Depreciation Line 14 S0 16 Cumulative Book Tax Timer Line 11 - Line 15 S0 17 Effective Tax Rate 21.00% S0 18 Deferred Tax Reserve Line 16 * Line 17 S0 19 Less: Federal NOL S0 S0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 S0 21 Cumulative Incernental Capital Included in Rate Base Line 8 S0 22 Accumulated Depreciation - Line 20 S0 23 Deferred Tax Reserve Sum of Lines 21 through 23 S0 24 Year End Rate Base Sum	8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0
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23 Deferred Tax Reserve - Line 20 \$0 24 Year End Rate Base Sum of Lines 21 through 23 \$0 Revenue Requirement Calculation: 25 Average Rate Base befor Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 ÷ 2 \$0.00 26 Proration Adjustment Page 13 of 13, Line 41, Col (j) through Col. (k) \$0 27 Average Rate Base after Deferred Tax Proration Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper MAL-6 \$2.3% 28 Pre-Tax ROR Workpaper MAL-6 \$2.3% 29 Return and Taxes Line 25 * Line 28 \$0 30 Book Depreciation S0 \$0				• ·
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28Pre-Tax RORWorkpaper MAL-68.23%29Return and TaxesLine 25 * Line 28\$030Book DepreciationLine 13\$0		· · · · · · · · · · · · · · · · · · ·		
30 Book Depreciation Line 13 \$0	28	Pre-Tax ROR		8.23%
				• •
31 Annual Revenue Requirement Line 29 + Line 30 \$0	30	Book Depreciation	Line 13	\$0
•••	31	Annual Revenue Requirement	Line 29 + Line 30	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-13 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year Ending August 31, 2022 IS Capital Investments Synergy Grid Mod - Advanced Analytics IS

Line <u>No.</u>	Capital Repairs Deduction		Rate Year Ending August 31, 2022 (a)
1	Plant Additions	Page 11 of 13, Line 2	\$0
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Total Bonus Depreciation Rate	0%	0.00%
10	Bonus Depreciation	Line 8 * Line 9	\$0
	Remaining Tax Depreciation		
11	Plant Additions	Line 1	\$0
12	Less Capital Repairs Deduction	Line 3	\$0
13	Less Bonus Depreciation	Line 10	\$0
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0
17	RY4 Loss incurred due to retirements	Per Tax Department	\$0
18	Cost of Removal	Page 8 of 13, Line 7	\$0
		Sum of Lines 3, 10, 16, 17, and	
19	Total Tax Depreciation and Repairs Deduction	18	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-13 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 4 Net Deferred Tax Reserve Proration Synergy Grid Mod - Advanced Analytics IS

Line				(a) Rate Year 4
No.	Deferred Tax Subject to Proration			
1	Book Depreciation	Page 15 of 25, Lin	e 12 ,Col (a) and Col (b)	\$0
2	Bonus Depreciation	- Page 16 of 2	5, Line 12, Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 2	5 , Line 19 ,Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of Li	nes 1 through 4	\$0
6	Effective Tax Rate			219
7	Deferred Tax Reserve	Line	$5 \times \text{Line } 6$	\$0
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction		25, Line 3, Col (a)	\$0
9	Cost of Removal	- Page 15 of 2	25, Line 7, Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 + L	ine 9 + Line 10	\$0
12	Effective Tax Rate			219
13	Deferred Tax Reserve	Line 1	1 × Line 12	\$0
14	Total Deferred Tax Reserve		7 + Line 13	\$0
15	Net Operating Loss		5 , Line 17 ,Col (a)	\$0
16	Net Deferred Tax Reserve	Line 14 + Line 15		\$0
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0
18	Cumulative Book/Tax Timer Not Subject to Proration		ine 11	\$0
19	Total Cumulative Book/Tax Timer	Line 1	7 + Line 18	\$0
20	Total FY 2022 Federal NOL		Line 17 ,Col (a)÷21%	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration	,	ine 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line $17 \div L$	ine 19) × Line 20	
23 24	Effective Tax Rate Deferred Tax Benefit subject to proration	Line 2	2 × Line 23	21' \$(
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	S
25	Net Delened Tax Reserve subject to protation	Line	- Line 24	30
		(h)	(i)	(j)
		Number of Days in		
	Proration Calculation	Month	Proration Percentage	Rate Year 4
26	April	30	91.78%	\$0
27	May	31	83.29%	\$0
28	June	30	75.07%	\$0
29	July	31 31	66.58%	\$0 \$0
30 31	August	30	58.08% 49.86%	\$0
32	September October	30	49.86%	\$0
33	November	30	33.15%	\$(
34	December	31	24.66%	\$(
35	January	31	16.16%	\$0
36	February	28	8.49%	\$(
37	March	28	0.00%	\$(
38	Total	365	0.00%	\$
39	Deferred Tax Without Proration	т	ine 25	\$
40	Average Deferred Tax without Proration			
			e 39 × 0.5	\$0
41	Proration Adjustment	Line 2	8 - Line 40	\$0

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 Power Sector Transformation (PST) Grid Mod Synergy - Telecommunications Rate Year Annual Revenue Requirement Summary - Electric Only

Line <u>No.</u>			Rate Year Ending August 31, 2019 (a)	Rate Year Ending August 31, 2020 (b)	Rate Year Ending August 31, 2021 (c)	Rate Year Ending August 31, 2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:		(1)	(5)	(c)	(4)
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$0	\$0	\$0	\$0
5	DSCADA & ADMS		\$0	\$0	\$0	\$0
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$0	\$0	\$0
11	Telecommunications		\$8,025	\$327,349	\$255,136	\$390,000
12	Cybersecurity	=	\$0	\$0	\$0	\$0
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$8,025	\$327,349	\$255,136	\$390,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	\$0
15	GIS Data Enhancement		\$0	\$0	\$0	\$0
16	Enterprise Service Bus		\$0	\$0	\$0	\$0
17	Data Lake		\$0	\$0	\$0	\$0
18	PI Historian		\$0	\$0	\$0	\$0
19	Advanced Analytics		\$0	\$0	\$0	\$0
20	Telecommunications		\$0	\$0	\$0	\$0
21	Cybersecurity		\$0	\$0	\$0	\$0
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$8,025	\$327,349	\$255,136	\$390,000
24	Electric Capital Investment:					
25	Estimated Revenue Requirement on Rate Year 1 Capital Investment		\$0	\$0	\$0	\$0
26	Estimated Revenue Requirement on Rate Year 2 Capital Investment			\$0	\$0	\$0
27	Estimated Revenue Requirement on Rate Year 3 Capital Investment				\$64,307	\$123,443
28	Estimated Revenue Requirement on Rate Year 4 Capital Investment					\$0
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$64,307	\$123,443
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year 1 Capital Investment		\$0	\$0	\$0	\$0
32	Estimated Revenue Requirement on Rate Year 2 Capital Investment			\$0	\$0	\$0
33	Estimated Revenue Requirement on Rate Year 3 Capital Investment				\$0	\$0
34	Estimated Revenue Requirement on Rate Year 4 Capital Investment					\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$8,025	\$327,349	\$319,443	\$513,443
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$8,025	\$327,349	\$319,443	\$513,443

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - Telecommunications IS

Line No.			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
			(a)	(b)	(c)	(d)
	Estimated Capital Investment					
1	Telecommunications		\$0	\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base					
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base					
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
	Tax Depreciation					
9	Vintage Year Tax Depreciation:					
10	RY1 Spend	Page 3 of 13, Line 19	\$0	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0	\$0
	Book Depreciation					
12 13	Composite Book Depreciation Rate Book Depreciation	As filed per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5 * Line 12 * 50% ; Column (b, c, and d) = Line 5 *	14.29% \$0	14.29% \$0	14.29% \$0	14.29% \$0
13	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
14	Cumulative Book Depreciation	Phot Fear Line 14 + Current Fear Line 15	50	30	30	30
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
	Deferred Tax Calculation:					
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%	
18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
19	Less: Federal NOL		\$0	\$0	\$0	
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0	\$0
	Rate Base Calculation:					
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0	\$0
	Revenue Requirement Calculation:					
		Column (a) = Current Year Line 25 ÷ 2; Column (b,c, and d) = (Prior				
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line 25 + Current Year Line 25) ÷ 2	\$0.00	\$0	\$0	\$0
26	Proration Adjustment	Page 4 of 13, Line 41, Col (j) through Col. (m)	\$0	\$0	\$0	\$0
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0	\$0
28	Pre-Tax ROR	1	8.23%	8.23%	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31, 2019 IS Capital Investments Synergy Grid Mod - Telecommunications IS

Line			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
No.			(a)	(b)	(c)	(d)
	Capital Repairs Deduction			. ,		
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate	0%	0.00%			
10	Bonus Depreciation	Line 8 * Line 9	\$0			
	Remaining Tax Depreciation					
11	Plant Additions	Line 1	\$0			
12	Less Capital Repairs Deduction	Line 3	\$0			
13	Less Bonus Depreciation	Line 10	\$0			
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%	7.410%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0	\$0
17	RY1 Loss incurred due to retirements		\$0	\$0	\$0	\$0
18	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, and 18	\$0	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-14 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 1 Net Deferred Tax Reserve Proration Synergy Grid Mod - Telecommunications IS

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 1	(b) Rate Year 2	(c) Rate Year 3	(c) Rate Year 4
1	Book Depreciation	D 15 . 625 T.	12 ,Col (a) and Col (b)	\$0	\$0	\$0	\$0
2	Book Depreciation Bonus Depreciation	0	, Line 12 ,Col (a)	\$0 \$0	\$0	\$0	20
3	Remaining MACRS Tax Depreciation	Page 16	of 25, Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0 \$0	20	\$0	30
5	Cumulative Book / Tax Timer	•	es 1 through 4	\$0 \$0	\$0	\$0	\$0
6	Effective Tax Rate	Sum of Em	es i unougn i	21%	21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		5 , Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 2:	5 , Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line 11	× Line 12	\$0			
14	Total Deferred Tax Reserve		+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration	Li	ne 11	\$0			
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0			
20	Total FY 2022 Federal NOL	- Page 15 of 25 , I	Line 17 ,Col (a)÷21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ne 19) × Line 20				
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Li	ne 19) × Line 20				
23	Effective Tax Rate			21%			
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)	(m)
		Number of Days in					
24	Proration Calculation	Month	Proration Percentage	Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4
26 27	April May	30 31	91.78% 83.29%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
27	June	30	75.07%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
28 29	July	30	66.58%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
30	August	31	58.08%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
31	September	30	49.86%	\$0	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Li	ne 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration	т.	20 × 0.5	¢0	¢0	¢.0	¢0.
41	Proration Adjustment		39 × 0.5 8 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0

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 Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - Telecommunications IS

		Synergy of a wood - relecommunications is			
Line <u>No.</u>			Rate Year Ending August 31, 2020 (a)	Rate Year Ending August 31, 2021 (b)	Rate Year Ending August 31, 2022 (c)
	Estimated Capital Investment		(-)	(-)	()
1	Telecommunications		\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 2 Line 4 * 0%	\$0 \$0	\$0 \$0	\$0
4 5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0 \$0
6	Change in Net Capital Included in Rate Base Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	Rate Year 2 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12	\$0	\$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
	Deferred Tax Calculation:				
16	Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%	21.00%
18 19	Deferred Tax Reserve	Line 16 * Line 17	\$0 \$0	\$0	\$0
20	Less: Federal NOL Net Deferred Tax Reserve	Sum of Lines 18 through 19		\$0 \$0	\$0 \$0
20	Net Deletted Tax Reserve	Sum of Lines 18 through 19		30	30
21	Rate Base Calculation:	1. 0	\$0	\$0	\$0
21	Cumulative Incremental Capital Included in Rate Base	Line 8 - Line 15	\$0 \$0	\$0 \$0	
22 23	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	\$0 \$0	\$0 \$0	\$0 \$0
23	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0
	Revenue Requirement Calculation:				
		Column (a) = Current Year Line $25 \div 2$; Column (b and c) = (Prior Year Line 25			
25	Average Rate Base befor Deferred Tax Proration Adjustment	+ Current Year Line 25) ÷ 2	\$0	\$0	\$0
26	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0	\$0	\$0
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,			
28	Pre-Tax ROR	Workpaper MAL-6	8.23%	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31 ,2020 IS Capital Investments Synergy Grid Mod - Telecommunications IS

Line <u>No.</u>			Rate Year Ending August 31, 2020 (a)	Rate Year Ending August 31, 2021 (b)	Rate Year Ending August 31, 2022 (c)
	Capital Repairs Deduction				
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate	0%	0.00%		
10	Bonus Depreciation	Line 8 * Line 9	\$0		
	Remaining Tax Depreciation				
11	Plant Additions	Line 1	\$0		
12	Less Capital Repairs Deduction	Line 3	\$0		
13	Less Bonus Depreciation	Line 10	\$0		
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0
17	RY2 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
18	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, 17, and 18		\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-14 Page 7 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2 Net Deferred Tax Reserve Proration Synergy Grid Mod - Telecommunications IS

$ \begin{array}{ c c c c c c } & Book Depreciation & Page 16 of 25, Line 12, Col (a) and Col (b) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 12, Col (a) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Col (a) & 50 & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 10, Line 5 \times Line 6 & 50 & 50 & 50 & 50 & 50 & 50 \\ \hline Page 16 of 25, Line 11, Line 11 & 10 & 50 & 100 & 50 & 50 & 50 & 50 $	Line No.	Deferred Tax Subject to Proration			(a) Rate Year 2	(b) Rate Year 3	(c) Rate Year 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1		D 15 605 T	12 6 1() 16 14)	¢0.	£0.	* 0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		*	· ·		• •	20	20
	3	Remaining MACRS Tax Depreciation	- Page 16	of 25 , Col (d)	\$0	\$0	\$0
6 Effective Tax Rule 21%	4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0		
7 Deferred Tax Reserve Line 5 + Line 6 50 50 50 0 Deferred Tax Not Subject to Promision -Page 15 of 25 , Line 3 , Col (a) 50 50 9 Cost of Removal -Page 15 of 25 , Line 7 , Col (a) 50 50 10 Book/Tax Timer 21% 21% 21% 11 Cumulative Book /Tax Timer 21% 21% 50 50 12 Efferitor Tax Reserve Line 1 + Line 12 50 50 50 50 13 Net Operating Loss -Page 15 of 25 , Line 17, Col (a) 50<		Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$0	\$0	\$0
Deferred Tax Not Subject to Promision Capital Repairs Deduction Capital Repairs Deduction Capital Repairs Deduction Book/Tax Depreciation Timing Difference at 3/31/2022 Line 8 + Line 9 + Line 10 Effective Tax Reserve Line 11 × Line 12 S0S0 S0 S010Book/Tax Depreciation Timing Difference at 3/31/2022 Line 8 + Line 9 + Line 10 Promised Tax ReserveS0 							
8 Capital Repairs Declarison - Page 16 of 25 , Line 3, Col (a) S0 10 Book/Tax Depresention Timing Difference at 3/31/2022 Inter 8 + Line 9 + Line 10 S0 11 Clumulative Book/Tax Depresention Timing Difference at 3/31/2022 Line 8 + Line 9 + Line 10 S0 12 Effective Tax Reserve Line 8 + Line 9 + Line 12 S0 13 Deferred Tax Reserve Line 7 + Line 13 S0 S0 S0 14 Total Deferred Tax Reserve Line 7 + Line 13 S0 S0 S0 16 Net Deferred Tax Reserve Line 5 , Line 17, Col (a) S0 S0 S0 16 Net Deferred Tax Reserve Line 14 + Line 15 S0 S0 S0 17 Cumulative Book/Tax Timer Subject to Promion Line 5 S0 S0 S0 18 Cumulative Book/Tax Timer Not Subject to Promion Line 17 - Line 18 S0 S0 S0 20 Total F2 2022 Federal NOL - Page 15 of 25 , Line 17, Col (a) 21% S0 S0 S0 21 Allocated FY 2012 Federal NOL Subject to Promation Line 21 + Line 18 S0 S0 S0 S0	7	Deferred Tax Reserve	Line 5	5 × Line 6	\$0	\$0	\$0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			- Page 15 of 2:	5 , Line 7 ,Col (a)	\$0		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$							
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			Line 8 + Li	ne 9 + Line 10			
14Total Deferred Tax ReserveLine 7 + Line 13S0S0S015Net Deferred Tax Reserve $-Page 15 of 25$, Line 17, Col (a)S0S0S016Net Deferred Tax ReserveLine 14 + Line 15S0S0S017Comulative Book/Tax Timer Subject to ProrationLine 5S0S018Cumulative Book/Tax TimerDeferred Tax Timer Not Subject to ProrationLine 5S019Total Cumulative Book/Tax TimerDeferred Tax TimerDeferred Tax TimerS020Total Cumulative Book/Tax TimerDeferred Tax TimerDeferred Tax TimerS021Allocated FY 2021 Federal NOL Subject to ProrationLine 19 × Line 20Cline 17 + Line 19 × Line 2022Allocated FY 2021 Federal NOL Subject to ProrationLine 21 × Line 23S023Net Deferred Tax Reserve subject to prorationLine 7 + Line 19 × Line 23S024Deferred Tax Reserve subject to prorationLine 7 + Line 24S0S0S025Net Deferred Tax Reserve subject to prorationLine 7 + Line 24S0S0S026April3091.78%S0S0S027May3166.58%S0S0S028June3075.07%S0S0S029July3165.88%S0S0S03141.37%S0S0S0S032Sopember3141.37%S0S0S0							
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	13	Deferred Tax Reserve	Line 11	× Line 12	\$0		
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Allocation of FY 2022 Estimated Federal NOL Camulative Book/Tax Timer Subject to Proration Total Cumulative Book/Tax Timer Not Subject to Proration I and Carter Prove Tax Subject to Proration Line 17 + Line 18Line 1 SO Line 17 + Line 18SO10Total Cumulative Book/Tax Timer- Page 15 of 25 , Line 17 , Col (a)+21% (Line 18 + Line 19) > Line 20 (Line 17 + Line 20SO21Allocated FY 2021 Federal NOL No Subject to Proration Effective Tax Rate- Page 15 of 25 , Line 17 , Col (a)+21% (Line 18 + Line 19) > Line 20 (Line 17 + Line 24)SO23Effective Tax Rate Effective Tax Rate21%24Deferred Tax Reserve subject to prorationLine 7 + Line 24SOSO25Net Deferred Tax Reserve subject to prorationLine 7 + Line 24SOSOSO26AprilSOSOSOSO27May3183.29% SOSOSOSO28June3075.07% SOSOSOSO30August SO3143.28% SOSOSO31Usymptot3166.58% SOSOSO33November3033.15% SOSOSO34Deferred Tax Without Proration288.49% SOSOSO35January3116.16% SOSOSO36February288.49% SOSOSO37May3116.16% SOSOSO38Total36SOSOSO </td <td>15</td> <td>Net Operating Loss</td> <td>- Page 15 of 25</td> <td>5 , Line 17 ,Col (a)</td> <td>\$0</td> <td></td> <td></td>	15	Net Operating Loss	- Page 15 of 25	5 , Line 17 ,Col (a)	\$0		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Allocation of FY 2022 Estimated Federal NOL					
19Total Cumulative Book/Tax TimerLine 17 + Line 185020Total FY 2022 Federal NOL Allocated FY 2021 Federal NOL Not Subject to Proration 22- Page 15 of 25 , Line 17 , Col (a)+21% (Line 18 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 (Line 17 + Line 19) × Line 20 22 * Line 235025Net Deferred Tax Benefit subject to prorationLine 7 + Line 24505026Net Deferred Tax Reserve subject to prorationLine 7 + Line 2450\$0\$027May31B3.29%\$0\$0\$028June3075.07%\$0\$0\$029July3166.68%\$0\$0\$030August3158.08%\$0\$0\$03141.37%\$0\$0\$0\$033November3031.1616%\$0\$0\$034December3144.66%\$0\$0\$035January3161.68%\$0\$0\$036February3161.68%\$0\$0\$036January3161.66%\$0\$0\$036February3161.68%\$0\$0\$037March310.00%\$0\$0\$038Total310.00%\$0\$0\$039December3166.68%\$0\$0\$030August3161	17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	\$0		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	18	Cumulative Book/Tax Timer Not Subject to Proration	Li	ne 11	\$0		
21Allocated FY 2021 Federal NOL Not Subject to Proration Allocated FY 2021 Federal NOL Subject to Proration Effective Tax Rate Deferred Tax Benefit subject to proration(Line 18 + Line 19) × Line 20 Line 2321% S023Effective Tax Rate Deferred Tax Benefit subject to proration $Line 2 \times Line 23$ S025Net Deferred Tax Reserve subject to proration $Line 7 + Line 24$ S0S0S026April(j)(k)(l)(j)(k)(l)7MonthProration Percentage 30Rate Year 2 S0Rate Year 3 S0Rate Year 4 S0S026April3183.29%S0S0S027May3166.58%S0S0S028June3075.07%S0S0S029July3166.58%S0S0S030August3141.37%S0S0S03141.37%S0S0S0S032October3141.66%S0S0S033November3124.66%S0S0S034December310.00%S0S0S035January288.49%S0S0S036February3850S0S0S036February3116.16%S0S0S036February310.00%S0S0S037March	19	Total Cumulative Book/Tax Timer	Line 17	7 + Line 18	\$0		
22Allocated FY 2021 Federal NOL Subject to Proration(Line 17 ÷ Line 20)23Effective Tax Rate21%24Deferred Tax Benefit subject to prorationLine 22 × Line 2325Net Deferred Tax Reserve subject to prorationLine 7 + Line 24S0S026Method Sector ClausionLine 7 + Line 24S0S027May(i)(i)(j)(k)(l)26AprilMonthProration Percentage 30Rate Year 2Rate Year 3Rate Year 426April3091.78%S0S0S029July3166.58%S0S0S020July3166.58%S0S0S030August3158.08%S0S0S03141.37%S0S0S0S033November3033.15%S0S0S034December3141.68%S0S0S035January3116.16%S0S0S036February288.49%S0S0S037March310.00%S0S0S038Total365S0S0S0S0	20	Total FY 2022 Federal NOL	- Page 15 of 25 , I	Line 17 ,Col (a)÷21%	\$0		
23Effective Tax Rate21%24Deferred Tax Benefit subject to prorationLine 22 × Line 23S025Net Deferred Tax Reserve subject to prorationLine 7 + Line 24S0S0S026 $her \ Deferred Tax Reserve subject to prorationLine 7 + Line 24S0S0S027MarchMonthProration PercentageRate Year 2Rate Year 3Rate Year 426April3091.78%S0S0S027May3183.29%S0S0S028June3075.07%S0S0S029July3166.58%S0S0S030August3158.08%S0S0S031September3049.86%S0S0S032October3141.37%S0S0S033November3124.66%S0S0S034December3124.66%S0S0S035January3116.16%S0S0S036February288.49%S0S0S037March310.00%S0S0S038Total36S0S0S0S039Deferred Tax Without ProrationLine 25S0S0S040Average Deferred Tax Without ProrationLine 39 × 0.5S0S0S0$	21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Li	ne 19) × Line 20			
24 Deferred Tax Benefit subject to protation Line $22 \times Line 23$ \$0 25 Net Deferred Tax Reserve subject to protation Line $7 + Line 24$ \$0 \$0 \$0 26 Net Deferred Tax Reserve subject to protation Line $7 + Line 24$ \$0 \$0 \$0 26 April (i) (i) (j) (k) (l) 26 April <u>30 91.78% \$0 \$0 \$0 27 May 31 83.29% \$0 \$0 \$0 28 June 30 75.07% \$0 \$0 \$0 30 August 31 66.8% \$0 \$0 \$0 30 August 31 41.37% \$0 \$0 \$0 31 September 30 31.31% \$0 \$0 \$0 32 October 31 41.37% \$0 \$0 \$0 34 December 31 24.66% \$0 \$0 \$0</u>	22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Li	ne 19) × Line 20			
25 Net Deferred Tax Reserve subject to proration Line 7 + Line 24 \$0 \$0 \$0 25 Net Deferred Tax Reserve subject to proration Line 7 + Line 24 \$0 \$0 \$0 26 April (i) (i) (j) (k) (l) 26 April <u>Month</u> <u>Proration Percentage</u> Rate Year 2 Rate Year 3 Rate Year 4 26 April 30 91.78% \$0 \$0 \$0 \$0 27 May 31 83.29% \$0 \$0 \$0 \$0 28 June 30 75.07% \$0 \$0 \$0 \$0 29 July 31 66.58% \$0 \$0 \$0 \$0 30 August 31 58.08% \$0 \$0 \$0 \$0 31 September 30 49.86% \$0 \$0 \$0 \$0 31 September 31 24.66% \$0 \$0 \$0 \$0 32 October 31 16.16% \$0 <td< td=""><td>23</td><td>Effective Tax Rate</td><td></td><td></td><td>21%</td><td></td><td></td></td<>	23	Effective Tax Rate			21%		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	24	Deferred Tax Benefit subject to proration	Line 22	2 × Line 23	\$0		
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33 November 30 33.15% \$0 \$0 \$0 34 December 31 24.66% \$0 \$0 \$0 35 January 31 16.16% \$0 \$0 \$0 36 February 28 8.49% \$0 \$0 \$0 37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 39 Deferred Tax Without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0 \$0					• •		
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36 February 28 8.49% \$0 \$0 \$0 37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 39 Deferred Tax Without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0							
37 March 31 0.00% \$0 \$0 \$0 38 Total 365 \$0 \$0 \$0 39 Deferred Tax Without Proration Line 25 \$0 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0 \$0	35	January	31	16.16%	\$0	\$0	\$0
38Total365\$0\$0\$039Deferred Tax Without ProrationLine 25\$0\$0\$040Average Deferred Tax without ProrationLine 39 × 0.5\$0\$0\$0	36	February	28	8.49%	\$0	\$0	\$0
39 Deferred Tax Without Proration Line 25 \$0 \$0 40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0	37	March	31	0.00%	\$0	\$0	\$0
40 Average Deferred Tax without Proration Line 39 × 0.5 \$0 \$0 \$0	38	Total	365		\$0	\$0	\$0
Line 39 × 0.5 \$0 \$0 \$0			Li	ine 25	\$0	\$0	\$0
	40	Average Deterred Tax without Proration	Line	39×0.5	\$0	\$0	\$0
	41	Proration Adjustment			• •		• •

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - Telecommunications IS

Line <u>No.</u>			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (b)
	Estimated Capital Investment		(a)	(0)
1	Telecommunications		\$597,811	\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$597,811	\$0
	Depreciable Net Capital Included in Rate Base			
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$597,811	\$0
4	Retirements	Line 4 * 0%	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4, them = Column (a)	\$597,811	\$597,811
	Change in Net Capital Included in Rate Base	Line 2	\$597.811	\$0
6	Capital Included in Rate Base	Line 2	\$597,811	\$0
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$597,811	\$597,811
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	Rate Year 3 Spend	Page 9 of 13, Line 19	\$199,250	\$265,727
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$199,250	\$464,977
10	Book Depreciation		14.200/	14.200/
12 13	Composite Book Depreciation Rate Book Depreciation	As filed per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5 * Line 12 * 50% ; Column (b and c) = Line 5 * Line 12	14.29% \$42,701	14.29% \$85,402
14	Cumulative Book Depreciation	Prior Year Line 12 30% , Column (6 and 6) – Ene 5 Ene 12 Prior Year Line 14 + Current Year Line 13	\$42,701	\$128,102
15	Total Cumulative Book Depreciation	Line 14	\$42,701	\$128,102
	Deferred Tax Calculation:			
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$156,549	\$336,875
17	Effective Tax Rate		21.00%	21.00%
18 19	Deferred Tax Reserve Less: Federal NOL	Line 16 * Line 17	\$32,875 \$0	\$70,744
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$32,875	\$0 \$70,744
21	Rate Base Calculation: Cumulative Incremental Capital Included in Rate Base	Line 8	\$597,811	\$597,811
21	Accumulated Depreciation	Line 8 - Line 15	(\$42,701)	(\$128,102)
23	Deferred Tax Reserve	- Line 20	(\$32,875)	(\$70,744)
24	Year End Rate Base	Sum of Lines 21 through 23	\$522,235	\$398,965
	Revenue Requirement Calculation:			
		Column (a) = Current Year Line 25 ÷ 2; Column (b) = (Prior Year Line 25 + Current		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Year Line $25) \div 2$	\$261,117.44	\$460,599.92
26	Proration Adjustment	, Line 41, Col (j) through Col. (k)	\$1,411	\$1,625
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26 Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper	\$262,529	\$462,225
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$21,606	\$38,041
30	Book Depreciation	Line 13	\$42,701	\$85,402
31	Annual Revenue Requirement	Line 29 + Line 30	\$64,307	\$123,443

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year IS ending August 31, 2021 Capital Investments Synergy Grid Mod - Telecommunications IS

Line <u>No.</u>			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (b)
	Capital Repairs Deduction			
1	Plant Additions	Page 8 of 13, Line 2	\$597,811	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$597,811	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$597,811	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$597,811	
9	Total Bonus Depreciation Rate	0%	0.00%	
10	Bonus Depreciation	Line 8 * Line 9	\$0	
	Remaining Tax Depreciation			
11	Plant Additions	Line 1	\$597,811	
12	Less Capital Repairs Deduction	Line 3	\$0	
13	Less Bonus Depreciation	Line 10	\$0	
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$597,811	\$597,811
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$199,250	\$265,727
17	RY3 Loss incurred due to retirements	Per Tax Department	\$0	\$0
18	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		Sum of Lines 3, 10, 16, 17, and		
19	Total Tax Depreciation and Repairs Deduction	18	\$199,250	\$265,727

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-14 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 3 Net Deferred Tax Reserve Proration Synergy Grid Mod - Telecommunications IS

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 3	(b) Rate Year 4
1		Dece 15 (625) Line	12 C-1(-)1 C-1(h)	642 701	695 402
1 2	Book Depreciation Bonus Depreciation		12 ,Col (a) and Col (b) , Line 12 ,Col (a)	\$42,701 \$0	\$85,402
3	Remaining MACRS Tax Depreciation	- Page 16 o	of 25 , Col (d)	(\$199,250)	(\$265,727)
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0	
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	(\$156,549)	(\$180,325)
6	Effective Tax Rate			21%	21%
7	Deferred Tax Reserve	Line 5	5 × Line 6	(\$32,875)	(\$37,868)
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	- Page 16 of 2:	5 , Line 3 ,Col (a)	\$0	
9	Cost of Removal	- Page 15 of 25	5 , Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022				
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	(\$32,875)	(\$37,868)
15	Net Operating Loss		, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	(\$32,875)	(\$37,868)
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration	L	ine 5	(\$156,549)	
18	Cumulative Book/Tax Timer Not Subject to Proration		ne 11	\$0	
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	(\$156,549)	
20	Total FY 2022 Federal NOL	- Page 15 of 25 , I	Line 17 ,Col (a)÷21%	\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Lin	ne 19) × Line 20		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Li	ne 19) × Line 20		
23	Effective Tax Rate			21%	
24	Deferred Tax Benefit subject to proration	Line 22	2 × Line 23	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	(\$32,875)	(\$37,868)
		(h)	(i)	(j)	(k)
		Number of Days in			
	Proration Calculation	Month	Proration Percentage	Rate Year 3	Rate Year 4
26	April	30	91.78%	(\$2,514)	(\$2,896)
27	May	31 30	83.29%	(\$2,282)	(\$2,628)
28 29	June July	30	75.07% 66.58%	(\$2,057) (\$1,824)	(\$2,369) (\$2,101)
30	August	31	58.08%	(\$1,591)	(\$1,833)
31	September	30	49.86%	(\$1,366)	(\$1,574)
32	October	31	41.37%	(\$1,133)	(\$1,306)
33	November	30	33.15%	(\$908)	(\$1,046)
34	December	31	24.66%	(\$676)	(\$778)
35	January	31	16.16%	(\$443)	(\$510)
36	February	28	8.49%	(\$233)	(\$268)
37	March	31	0.00%	\$0	\$0
38	Total	365		(\$15,027)	(\$17,309)
39	Deferred Tax Without Proration	Li	ne 25	(\$32,875)	(\$37,868)
40	Average Deferred Tax without Proration				/
			39×0.5	(\$16,438)	(\$18,934)
41	Proration Adjustment	Line 38	3 - Line 40	\$1,411	\$1,625

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 Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - Telecommunications IS

Line <u>No.</u>			Rate Year Ending <u>August 31, 2022</u> (a)
	Estimated Capital Investment		(-)
1	Telecommunications		\$0
2	Total Estimated Capital Investment	Sum of Line 1	\$0
3	Depreciable Net Capital Included in Rate Base Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0
3 4	Retirements	Line 2 Line 4 * 0%	\$0 \$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4	\$0
	Change in Net Capital Included in Rate Base		
6	Capital Included in Rate Base	Line 2	\$0
7	Cost of Removal		\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0
	Tax Depreciation		
9	Vintage Year Tax Depreciation:		
10	RY4 Spend	Page 12 of 13, Line 19	\$0
11	Cumulative Tax Depreciation	Current Year Line 10	\$0
10	Book Depreciation		14.000/
12 13	Composite Book Depreciation Rate Book Depreciation	As approved per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5* Line 12 * 50%	14.29% \$0
14	Cumulative Book Depreciation	Current Year Line 13	\$0
15	Total Cumulative Book Depreciation	Line 14	
	Deferred Tax Calculation:		
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0
17	Effective Tax Rate	Line III - Line IS	21.00%
18	Deferred Tax Reserve	Line 16 * Line 17	\$0
19	Less: Federal NOL		\$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0
	Rate Base Calculation:		
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0
22 23	Accumulated Depreciation Deferred Tax Reserve	- Line 15 - Line 20	\$0 \$0
23	Year End Rate Base	Sum of Lines 21 through 23	\$0
	Revenue Requirement Calculation:		
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$	\$0.00
26	Proration Adjustment	Page 13 of 13, Line 41, Col (j) through Col. (k)	\$0
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0
20		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,	0.000/
28 29	Pre-Tax ROR Return and Taxes	Workpaper MAL-6 Line 25 * Line 28	<u>8.23%</u> \$0
30	Book Depreciation	Line 23 · Line 28	\$0 \$0
21	Annual Description of the	1 ··· 20 · 1 ··· 20	#0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-14 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year Ending August 31, 2022 IS Capital Investments

Synergy Grid Mod - Telecommunications IS

			Rate Year Ending
Line			August 31, 2022
<u>No.</u>			(a)
	Capital Repairs Deduction		
1	Plant Additions	Page 11 of 13, Line 2	\$0
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Total Bonus Depreciation Rate	0%	0.00%
10	Bonus Depreciation	Line 8 * Line 9	\$0
	Remaining Tax Depreciation		
11	Plant Additions	Line 1	\$0
12	Less Capital Repairs Deduction	Line 3	\$0
13	Less Bonus Depreciation	Line 10	\$0
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0
17	RY4 Loss incurred due to retirements	Per Tax Department	\$0
18	Cost of Removal	Page 8 of 13, Line 7	\$0
		Sum of Lines 3, 10, 16, 17, and	
19	Total Tax Depreciation and Repairs Deduction	18	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-14 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 4 Net Deferred Tax Reserve Proration Synergy Grid Mod - Telecommunications IS

Line				(a) Rate Year 4
No.	Deferred Tax Subject to Proration			Rale fear 4
		Dec. 15 (25) Line	12 Col(c) and Col(b)	¢0.
1 2	Book Depreciation		12 ,Col (a) and Col (b)	\$0 \$0
2	Bonus Depreciation	- Page 16 01 25	, Line 12 ,Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 16 o	f 25 , Col (d)	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of Line	es 1 through 4	\$0
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction	- Page 16 of 25	, Line 3 ,Col (a)	\$0
9	Cost of Removal	- Page 15 of 25	, Line 7 ,Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 + Lin	ne 9 + Line 10	\$0
12	Effective Tax Rate			21%
13	Deferred Tax Reserve	Line 11	× Line 12	\$0
14	Total Deferred Tax Reserve	Line 7 -	+ Line 13	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0
16	Net Deferred Tax Reserve		+ Line 15	\$0
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration	T :	ne 5	\$0
18	Cumulative Book/Tax Timer Subject to Proration		ne 11	\$0 \$0
19	Total Cumulative Book/Tax Timer		+ Line 18	\$0 \$0
20	Total FY 2022 Federal NOL		ine 17 ,Col (a)÷21%	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration	· · · · · · · · · · · · · · · · · · ·	e 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	e 19) × Line 20	
23	Effective Tax Rate	T : 22		21%
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0
25	Net Deferred Tax Reserve subject to proration	Line 7 -	+ Line 24	\$0
		(h)	(i)	(j)
		Number of Days in		
	Proration Calculation	Month	Proration Percentage	Rate Year 4
26	April	30	91.78%	\$0
27	May	31	83.29%	\$0
28	June	30	75.07%	\$0
29	July	31	66.58%	\$0
30	August	31	58.08%	\$0
31	September	30	49.86%	\$0
32	October	31	41.37%	\$0
33	November	30	33.15%	\$0
34	December	31	24.66%	\$0
35	January	31	16.16%	\$0
36	February	28	8.49%	\$0
37	March	31	0.00%	\$0
38	Total	365		\$0
39	Deferred Tax Without Proration	Lir	ne 25	\$0
40	Average Deferred Tax without Proration	.	20 0. 5	A
41	Describes A disenter and		39 × 0.5	\$0 \$0
41	Proration Adjustment	Line 38	- Line 40	\$0
Colum	n Notes:			

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 Power Sector Transformation (PST) Grid Mod Synergy - Cyberscurity Rate Year Annual Revenue Requirement Summary - Electric Only

Line <u>No.</u>			Rate Year Ending August 31, 2019 (a)	Rate Year Ending August 31, 2020 (b)	Rate Year Ending August 31, 2021 (c)	Rate Year Ending August 31, 2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:		(-)	(2)	(-)	(-)
1	System Data Portal		\$0	\$0	\$0	\$0
2	Feeder Monitoring Sensors		\$0	\$0	\$0	\$0
3	RTU Separation		\$0	\$0	\$0	\$0
4	GIS Data Enhancement		\$0	\$0	\$0	\$0
5	DSCADA & ADMS		\$0	\$0	\$0	\$0
6	GIS Data Enhancement		\$0	\$0	\$0	\$0
7	Enterprise Service Bus		\$0	\$0	\$0	\$0
8	Data Lake		\$0	\$0	\$0	\$0
9	PI Historian		\$0	\$0	\$0	\$0
10	Advanced Analytics		\$0	\$0	\$0	\$0
11	Telecommunications		\$0	\$0	\$0	\$0
12	Cybersecurity	_	\$696	\$269,999	\$343,784	\$150,000
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$696	\$269,999	\$343,784	\$150,000
	Gas Operation and Maintenance (O&M) Expenses:					
14	DSCADA & ADMS		\$0	\$0	\$0	\$0
15	GIS Data Enhancement		\$0	\$0	\$0	\$0
16	Enterprise Service Bus		\$0	\$0	\$0	\$0
17	Data Lake		\$0	\$0	\$0	\$0
18	PI Historian		\$0	\$0	\$0	\$0
19	Advanced Analytics		\$0	\$0	\$0	\$0
20	Telecommunications		\$0	\$0	\$0	\$0
21	Cybersecurity	_	\$0	\$0	\$0	\$0
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$0	\$0	\$0	\$0
23	Total O&M Expenses	Line 13 + Line 22	\$696	\$269,999	\$343,784	\$150,000
24	Electric Cardel Investments					
24 25	Electric Capital Investment:		\$0	\$0	\$0	\$0
25	Estimated Revenue Requirement on Rate Year 1 Capital Investment		30	\$0 \$0	\$0 \$0	\$0 \$0
20	Estimated Revenue Requirement on Rate Year 2 Capital Investment Estimated Revenue Requirement on Rate Year 3 Capital Investment			30	\$0 \$0	\$0 \$0
27	Estimated Revenue Requirement on Rate Year 5 Capital Investment				30	\$0 \$0
		_				
29	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through Line 28	\$0	\$0	\$0	\$0
30	Gas Capital Investment:					
31	Estimated Revenue Requirement on Rate Year 1 Capital Investment		\$0	\$0	\$0	\$0
32	Estimated Revenue Requirement on Rate Year 2 Capital Investment			\$0	\$0	\$0
33	Estimated Revenue Requirement on Rate Year 3 Capital Investment				\$0	\$0
34	Estimated Revenue Requirement on Rate Year 4 Capital Investment					\$0
35	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 31 through Line 34	\$0	\$0	\$0	\$0
36	Total Electric Revenue Requirement	Line 13 + Line 29	\$696	\$269,999	\$343,784	\$150,000
37	Total Gas Revenue Requirement	Line 22 + Line 35	\$0	\$0	\$0	\$0
38	Total Electric & Gas Revenue Requirement	Line 36 + Line 37	\$696	\$269,999	\$343,784	\$150,000

Column (a) - no recovery in Rate Year 1 per PUC Decision

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2019 Synergy Grid Mod - Cybersecurity IS

$ \begin{array}{c c c c c c } \hline 0 & (0 & (0) \\ \hline 0 & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) & (0) \\ \hline 0 & (0) & $	Line No.			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Estimated Capital Investment		(a)	(b)	(c)	(d)
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							\$0
3 Total Allowed Capital Included in Rate Base in Current Year Line 2 50 50 50 5 Not Depreciable Capital Included in Rate Base Column (b = Line 3 - Line 4: Column (b and c) = Prior Year Line 5 50 50 50 6 Canage in Mc Capital Included in Rate Base Line 2 50 50 50 7 Cost of Removal 100 50 50 50 50 7 Cost of Removal 100 50 50 50 50 8 Total Alter Plant in Service Including Cost of Removal Line 6 + Line 7 50 50 50 9 Vriating Year Tax Depreciation: Page 3 of 13, Line 19 50 50 50 10 RY1 Spend Page 3 of 13, Line 19 50 50 50 12 Composite Book Depreciation Column () - Line 5 'Line 7 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Line 5 'Sovi (Colum C, and d) - Lin	2	Total Actual Capital Investment	Sum of Line 1	\$0	\$0	\$0	\$0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Depreciable Net Capital Included in Rate Base					
				\$0	\$0	\$0	
Changin MC Capital Included in Rate Base Line 2 S0 S0 S0 7 Cost of Removal S0 S0 S0 S0 8 Tetal Net Hunt in Service Including Cost of Removal Line 6 + Line 7 S0 S0 S0 9 Vining Veri Tax Depreciation Page 3 of 13, Line 19 S0 S0 S0 S0 10 KY1 Spend Page 3 of 13, Line 19 S0 S0 S0 S0 11 Cummeter Var Line 19 S0 S0 S0 S0 S0 12 Composite Book Depreciation Af Elde preciation Prior Ver Line 12 * 50%; Column (b, c, and d) – Line 5 * S0 S0 S0 13 Eock Depreciation Column (a) – Line 5 * 100; Column (b, c, and d) – Line 5 * S0 S0 S0 14 Composite Book Depreciation Column (a) – Line 5 * 100; Column (b, c, and d) – Line 5 * S0 S0 S0 S0 15 Total Cumulative Book Depreciation Column (a) – Line 5 * 100; Column (b, c, and d) – Line 5 * S0							
6 Capital Included in Rate Base Linc 2 50 50 50 7 Cost of Removal 50 50 50 50 8 Total Net Plant Included in Rate Base Line 6 + Line 7 50 50 50 9 Vining Year Fax Depreciation: 10 Pay Fax Depreciation Page 3 of 13, Line 19 50 50 50 10 RV1 Spend Part of Year 10 50 50 50 50 10 Composite Book Depreciation Part of Year 10, Depreciation 14.29% 14.29% 14.29% 14.29% 13 Book Depreciation Column (0, - Line 5 + Line 12 + 50%; Column (0, e, and d) - Line 5 * 50 50 50 14 Composite Book Depreciation Line 14 50 50 50 15 Total Camulative Book Depreciation Line 14 50 50 50 15 Total Camulative Book Depreciation Line 14 - Line 15 50 50 50 16 Camulative Book Tox Tiner Line 16 + Line 17 50 50 <	5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0	\$0
Product S0 S0 S0 Indiverse Indiverse S0 S0 S0 Indiverse S0 S0 S0 S0 Indiverse Composition Column(b) - Line S* (Solumn (b, e, and b) - Line S* S0 S0 Indiverse Column (b) - Count Your Line 14 * Count Your Line 13 S0 S0 S0 Indiverse Count Aliver Book Depreciation Line 11 + Line 1S S0 S0 S0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
InterfaceInterfaceSoSoInterfaceInterfaceSoSoInterfaceInterfaceSoSoInterfacePrior Year Line 19SoSoIn Commandative Tax DepreciationPrior Year Line 11 + Current Year Line 10SoSoIn Composite Book DepreciationArtifield per RLP LIC. Dodet No. 477014.29%14.29%In Commandative Tax DepreciationColumn (a) = Line 5 * Line 12 * 50%; Column (b, c, and d) = Line 5 *SoSoIn Commandative Book DepreciationColumn (a) = Line 5 *SoSoSoIn Commandative Book DepreciationLine 14 * Current Year Line 13SoSoSoIn Commandative Book DepreciationLine 14SoSoSoIn Commandative Book DepreciationLine 14SoSoSoIn Commandative Book Tax ThereLine 11 - Line 15SoSoSoIn Commandation:Line 14SoSoSoIn Commandation:Line 16 * Line 17SoSoSoIn Deferred Tax ReserveSum of Line 18 through 19SoSoSoIn the Same exclusion:- Line 15SoSoSoSoInterfaceSum of Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + 2; Column (b, c, and d) = (P	6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0	\$0
Interpretation9Vintage Ver Tax Depreciation: RV Speed10RV SpeedPage 3 of 13, Line 19 Prior Year Line 11 + Current Year Line 10505011Cumulative Tax Depreciation S0Column (a) = Line 5 * Line 12 * 50%; Column (b, c, and d) = Line 5 * S014 + 29%; 14	7	Cost of Removal		\$0	\$0	\$0	\$0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0	\$0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Tax Depreciation					
$\begin{array}{c c c c c c c } \hline 0 & V & Page 3 of 13, Line 19 & S0 & S0 & S0 \\ \hline 1 & Cumulative Tax Depreciation & Prior Year Line 11 + Current Year Line 10 & S0 & S0 & S0 \\ \hline 1 & Cumulative Tax Depreciation Rate & As field per R.1 P.U.C. Docket No. 4770 & 14.29% & 14.29\% & 50 & 50 & 50 & 50 & 50 & 50 & 50 & 5$	0	-					
11Cumulative Tax DepreciationPrior Year Line 11 + Current Year Line 1050505012Composite Book Depreciation Rate 13As filed per R.I.P.U.C. Docket No. 4770 1414.29% 14.29% 14.29% 14.29% 14.29%14.29% 14.29% 14.29% 14.29% 14.29%14.29% 14.29% 14.29% 14.29% 14.29%13Book Depreciation Comma (a) = Line 5 + Line 12 + 50% ; Colamm (b, c, and d) = Line 5 + Prior Year Line 14 + Current Year Line 1350505014Comulative Book DepreciationLine 14 + Current Year Line 1350505014Comulative Book DepreciationLine 11 - Line 1550505016Comulative Book DepreciationLine 11 - Line 1550505017Effective Tax Rate Effective Tax RateLine 16 * Line 1750505018Deferred Tax ReserveSum of Lines 18 through 1950505020Net Deferred Tax ReserveSum of Lines 18 through 1950505021Comunative Incernental Capital Included in Rate Base Accumulated Depreciation- Line 1550505021Vear Ead Rate BaseCourne (a) = Current Vear Line 25 + 2; Column (bc, and d) = (Prior Year Ead StatementSum of Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0; Sum of Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0; Sum of Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0; Sum of Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0; Sum of Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0; Sum of Line 25 +			Page 3 of 13 Line 19	\$0	\$0	\$0	\$0
Back Depreciation 12As filed per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5 * Line 12 * 50%; Column (a), and d) = Line 5 * S014.29% S014.29% S014.29% S014.29% S014.29% S013Book Depreciation Prior Var Line 13S0S0S0S014Comulative Book DepreciationLine 5 * Line 12 * 50%; Column (b, c, and d) = Line 5 * S0S0S0S015Total Cumulative Book DepreciationLine 14S0S0S0S016Cumulative Book DepreciationLine 14S0S0S0S017Effective Tax RateLine 11 - Line 15S0S0S0S018Deferred Tax ReserveLine 16 * Line 17S0S0S0S019Less: Federal INOLS0S0S0S0S020Not Deferred Tax ReserveSum of Lines 18 through 19S0S0S021Cumulative Incremental Capital Included in Rate BaseLine 8S0S0S022Accumulated Depreciation- Line 20S0S0S023Deferred Tax Reserve- Line 20S0S0S024Year End Rate BaseCurrent Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b, c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column							
12 Composite Book Depreciation Rate As filed per R1P.U.C. Docket No.4770 14.29% 14.2		-					
13 Book Depreciation Column (a) = Line 5 * Line 12 * 50% ; Column (b, e, and d) = Line 5 * S0 S0 S0 14 Cumulative Book Depreciation Line 14 + Current Year Line 13 S0 S0 S0 15 Total Cumulative Book Depreciation Line 14 S0 S0 S0 16 Our ulative Book Depreciation Line 14 S0 S0 S0 16 Cumulative Book Tax Calculation: 1 Line 15 S0 S0 S0 17 Effective Tax Rate Line 16 * Line 17 S0 S0 S0 S0 18 Deferred Tax Reserve Sum of Lines 18 through 19 S0 S0 S0 S0 20 Net Deferred Tax Reserve Sum of Lines 18 through 19 S0 S0 S0 S0 21 Cumulative Book Tax Calculation: -Line 15 S0 S0 S0 S0 22 Accumulated Depreciation -Line 15 S0 S0 S0 S0 23 Deferred Tax Reserve Sum of Line 25 S0 S0 S0 S0 24 Year End Rate Base <td>12</td> <td></td> <td>As filed per PLP U.C. Decket No. 4770</td> <td>14 20%</td> <td>14 20%</td> <td>14 20%</td> <td>14.29%</td>	12		As filed per PLP U.C. Decket No. 4770	14 20%	14 20%	14 20%	14.29%
14Cumulative Book DepreciationS0S0S015Total Cumulative Book DepreciationLine 14S0S0S016Cumulative Book / Tax TimerLine 14S0S0S017Effective Tax Rate21.00%21.00%21.00%18Deferred Tax ReserveLine 16* Line 17S0S0S019Less: Federal NOLS0S0S0S020Net Deferred Tax ReserveSum of Lines 18 through 19S0S0S021Cumulative Incremental Capital Included in Rate BaseLine 8S0S0S022Accumulated Depreciation- Line 15S0S0S023Deferred Tax ReserveSum of Lines 21 through 23S0S0S024Year End Rate BaseLine 20S0S0S023Deferred Tax ReserveSum of Lines 21 through 23S0S0S024Year End Rate BaseSum of Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0 current Year Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0 current Year Line 25 + 2; Column (bc, and d) = (Prior Year Line 25 + 0 current Year Line 25 + 2; Column (bc, and d) = S0S0S025Average Rate Base hefor Deferred Tax ProrationLine 27 + Line 28S0S0S026Pro-Tax RORLine 27 + Line 28S0S0S0S027Average Rate Base after Deferred Tax ProrationLine 27 + Line 28S0S0S028Pre-Tax ROR <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Deferred Tax Calculation:16Cumulative Book / Tax TimerLine 11 - Line 15S0S0S017Effective Tax RateLine 16 * Line 17S0S0S018Deferred Tax ReserveLine 16 * Line 17S0S0S020Net Deferred Tax ReserveSum of Lines 18 through 19S0S0S021Cumulative Incremental Capital Included in Rate BaseLine 8S0S0S022Accumulated Depreciation- Line 15S0S0S023Deferred Tax ReserveSum of Lines 21 through 23S0S0S024Year End Rate BaseSum of Lines 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior S0S0S025Average Rate Base befor Deferred Tax ProrationLine 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior S0S0S026Proceitan AdjustmentYear Line 25 + 2; Column (b,c, and d) = (Prior S0S0S0S027Average Rate Base							
16Cumulative Book / Tax TimerLine 11 - Line 15 50 50 50 17Effective Tax Rate 21.00% 21.00% 21.00% 21.00% 21.00% 18Deferred Tax ReserveLine 16 * Line 17 50 50 50 19Less: Federal NOL 50 50 50 50 20Net Deferred Tax ReserveSum of Lines 18 through 19 50 50 50 Rate Base Calculation:21Cumulative Incremental Capital Included in Rate BaseLine 8 50 50 50 23Deferred Tax Reserve $-$ Line 20 50 50 50 24Year End Rate BaseSum of Lines 21 through 23 50 50 50 25Average Rate Base befor Deferred Tax Proration AdjustmentPage 4 of 13, Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b,c, and d) = (S0) 50 50 26Proration AdjustmentPage 4 of 13, Line 41, Col (i) through Col. (m) Line 25 + Line 26 50 50 50 27Average Rate Base after Deferred Tax ProrationLine 27 * Line 28 50 50 50 27Average Rate Base after Deferred Tax ProrationLine 27 * Line 28 50 50 50 28Pre-Tax RORLine 13 50 50 50 50 29Return and TaxesLine 13 50 50 50 50	15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0	\$0
17Effective Tax Rate Deferred Tax Reserve 21.00% 21.00% 21.00% 18Deferred Tax ReserveLine 16 * Line 17 50 50 50 20Net Deferred Tax ReserveSum of Lines 18 through 19 50 50 50 21Cumulative Incremental Capital Included in Rate BaseLine 8 50 50 50 22Accumulative Incremental Capital Included in Rate BaseLine 8 50 50 50 23Deferred Tax Reserve $-$ Line 20 50 50 50 24Year End Rate BaseSum of Lines 21 through 23 50 50 50 25Average Rate Base befor Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25) + 2 50.00 50 50 26Proration AdjustmentPage 4 of 13, Line 41, Col (j) through Col. (m) Line 25 + Line 26 50 50 50 28Pre-Tax RORLine 27 * Line 28 So 50 50 50 50 29Return and TaxesLine 27 * Line 28 Line 13 50 50 50 50		Deferred Tax Calculation:					
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$\begin{array}{c c c c c c c } 19 & Less: Federal NOL & & & & & & & & & & & & & & & & & & &$	17	Effective Tax Rate					
20Net Deferred Tax ReserveSum of Lines 18 through 19 $$0$ $$0$ Rate Base Calculation:21Cumulative Incremental Capital Included in Rate BaseLine 8 $$0$ $$0$ 22Accumulated Depreciation- Line 15 $$0$ $$0$ 23Deferred Tax Reserve- Line 20 $$0$ $$0$ 24Year End Rate BaseSum of Lines 21 through 23 $$0$ $$0$ 25Average Rate Base befor Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25) + 2 $$0.00$ $$0$ 26Proration AdjustmentPage 4 of 13, Line 41, Col (j) through Col. (m) Line 25 + Line 26 $$0$ $$0$ $$0$ 28Pre-Tax RORLine 27 * Line 28 $$0$ $$0$ $$0$ $$0$ 29Return and TaxesLine 27 * Line 28 $$0$ $$0$ $$0$ 30Book DepreciationLine 13 $$0$ $$0$ $$0$	18	Deferred Tax Reserve	Line 16 * Line 17	\$0	\$0	\$0	\$0
Rate Base Calculation:21Cumulative Incremental Capital Included in Rate BaseLine 8S0S0S023Deferred Tax Reserve- Line 15S0S0S024Year End Rate BaseSum of Lines 21 through 23S0S0S0Revenue Requirement Calculation:25Average Rate Base befor Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Page 4 of 13, Line 41, Col (j) through Col. (m)S0S0S026Proration AdjustmentPage 4 of 13, Line 41, Col (j) through Col. (m)S0S0S027Average Rate Base after Deferred Tax ProrationLine 25 + Line 26S0S0S028Pro-Tax RORLine 27 * Line 28S0S0S0S029Return and TaxesLine 27 * Line 28S0S0S0S030Book DepreciationLine 13S0S0S0S0							
21Cumulative Incremental Capital Included in Rate BaseLine 8\$0\$022Accumulative Depreciation- Line 15\$0\$0\$023Deferred Tax Reserve- Line 20\$0\$0\$024Year End Rate BaseSum of Line 21 through 23\$0\$0\$0Revenue Requirement Calculation:25Average Rate Base befor Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25) + 2\$0.00\$0\$026Proration AdjustmentPage 4 of 13, Line 41, Col (j) through Col. (m)\$0\$0\$0\$027Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$0\$0\$0\$028Pre-Tax RORLine 27 * Line 28\$0\$0\$0\$0\$029Return and TaxesLine 27 * Line 28\$0\$0\$0\$030Book DepreciationLine 13\$0\$0\$0\$0	20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0	\$0
22Accumulated Depreciation- Line 15 $$0$ $$0$ $$0$ 23Deferred Tax Reserve- Line 20 $$0$ $$0$ $$0$ 24Year End Rate BaseSum of Lines 21 through 23 $$0$ $$0$ $$0$ Revenue Requirement Calculation:25Average Rate Base befor Deferred Tax Proration AdjustmentColumn (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25) + 2 $$0.00$ $$0$ $$0$ 26Proration AdjustmentPage 4 of 13, Line 41, Col (j) through Col. (m) Line 25 + Line 26 $$0$ $$0$ $$0$ 28Pre-Tax RORLine 27 * Line 28 Line 13 $$0$ $$0$ $$0$ $$0$ 30Book DepreciationLine 27 * Line 28 Line 13 $$0$ $$0$ $$0$		Rate Base Calculation:					
23 Deferred Tax Reserve - Line 20 S0 S0 24 Year End Rate Base Sum of Lines 21 through 23 S0 S0 Revenue Requirement Calculation: S0 S0 S0 25 Average Rate Base befor Deferred Tax Proration Adjustment Column (a) = Current Year Line 25 + 2; Column (b,e, and d) = (Prior Year Line 25 + 0; Column (b,e, and d) = (Prior Year Line 25 + 1; Col (i) through Col. (m) S0 S0 26 Proration Adjustment Page 4 of 13, Line 41, Col (i) through Col. (m) S0 S0 S0 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 S0 S0 S0 28 Pre-Tax ROR Line 27 * Line 28 S0 S0 S0 S0 29 Return and Taxes Line 27 * Line 28 S0 S0 S0 30 Book Depreciation Line 13 S0 S0 S0	21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0	\$0
24 Year End Rate Base Sum of Lines 21 through 23 \$0 \$0 Revenue Requirement Calculation: Column (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Colum (b,c, and d) = (Prior Year Line 25 + 2; C	22	Accumulated Depreciation	- Line 15	\$0	\$0	\$0	\$0
Revenue Requirement Calculation: Column (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and d) = (Pr							
Column (a) = Current Year Line 25 + 2; Column (b,c, and d) = (Prior Year Line 25 + 2; Column (b,c, and	24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0	\$0	\$0
25 Average Rate Base befor Deferred Tax Proration Adjustment Year Line 25 + Current Year Line 25) ÷ 2 \$0.00 \$0 \$0 26 Proration Adjustment Page 4 of 13, Line 41, Col (j) through Col. (m) \$0 \$0 \$0 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$0 \$0 \$0 28 Pre-Tax ROR Line 27 * Line 28 \$0 \$0 \$0 \$0 28 Book Depreciation Line 27 * Line 28 \$0 \$0 \$0 30 Book Depreciation Line 13 \$0 \$0 \$0		Revenue Requirement Calculation:					
26 Proration Adjustment Page 4 of 13, Line 41, Col (j) through Col. (m) \$0 \$0 27 Average Rate Base after Deferred Tax Proration Line 25 + Line 26 \$0 \$0 28 Pre-Tax ROR 1/ <u>8.23%</u> <u>8.23%</u> 29 Return and Taxes Line 27 * Line 28 \$0 \$0 30 Book Depreciation Line 13 \$0 \$0							
27Average Rate Base after Deferred Tax ProrationLine 25 + Line 26\$0\$0\$028Pre-Tax ROR1/8.23%8.23%8.23%29Return and TaxesLine 27 * Line 28\$0\$0\$030Book DepreciationLine 13\$0\$0\$0							
28 Pre-Tax ROR 1/ 8.23% 8.23% 29 Return and Taxes Line 27 * Line 28 \$0							
28 Prc-Tax ROR 8.23% 8.23% 8.23% 29 Return and Taxes Line 27 * Line 28 \$0 \$0 \$0 30 Book Depreciation Line 13 \$0 \$0 \$0	27	Average Rate Base after Deferred Tax Proration		• •	\$0	\$0	\$0
30 Book Depreciation Line 13 \$0 \$0 \$0	28	Pre-Tax ROR	1	8.23%			
	30	Book Depreciation	Line 13	\$0	\$0	\$0	\$0
31 JAnnual Revenue Requirement Line 29 + Line 30 \$0 \$0 \$0	31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31, 2019 IS Capital Investments Synergy Grid Mod - Cybersecurity IS

Line			Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
No.			(a)	(b)	(c)	(d)
	Capital Repairs Deduction					
1	Plant Additions	Page 2 of 13, Line 2	\$0			
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%			
3	Capital Repairs Deduction	Line 1 * Line 2	\$0			
	Bonus Depreciation					
4	Plant Additions	Line 1	\$0			
5	Less Capital Repairs Deduction	Line 3	\$0			
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0			
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0			
9	Bonus Depreciation Rate	0%	0.00%			
10	Bonus Depreciation	Line 8 * Line 9	\$0			
	Remaining Tax Depreciation					
11	Plant Additions	Line 1	\$0			
12	Less Capital Repairs Deduction	Line 3	\$0			
13	Less Bonus Depreciation	Line 10	\$0			
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%	7.410%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0	\$0
17	RY1 Loss incurred due to retirements		\$0	\$0	\$0	\$0
18	Cost of Removal	Page 2 of 13, Line 7	\$0	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, and 18	\$0	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-15 Page 4 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 1 Net Deferred Tax Reserve Proration Synergy Grid Mod - Cybersecurity IS

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 1	(b) Rate Year 2	(c) Rate Year 3	(c) Rate Year 4
1	Book Depreciation	Dece 15 of 25 Line	12 ,Col (a) and Col (b)	\$0	\$0	\$0	\$0
2	Book Depreciation	U ,	, Line 12 ,Col (a)	\$0 \$0	\$0	\$0	20
3	Remaining MACRS Tax Depreciation	- Page 16 o	f 25 , Col (d)	\$0	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 25	, Line 19 ,Col (a)	\$0			
5	Cumulative Book / Tax Timer	Sum of Line	es 1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%	21%
7	Deferred Tax Reserve	Line 5	× Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction	- Page 16 of 25	, Line 3 ,Col (a)	\$0			
9	Cost of Removal	- Page 15 of 25	, Line 7 ,Col (a)	\$0			
10	Book/Tax Depreciation Timing Difference at 3/31/2022						
11	Cumulative Book / Tax Timer	Line 8 + Lin	e 9 + Line 10	\$0			
12	Effective Tax Rate			21%			
13	Deferred Tax Reserve	Line 11	× Line 12	\$0			
14	Total Deferred Tax Reserve	Line 7 -	+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		, Line 17 ,Col (a)	\$0			
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	Li	ne 5	\$0			
18	Cumulative Book/Tax Timer Not Subject to Proration		e 11	\$0			
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0			
20	Total FY 2022 Federal NOL	- Page 15 of 25 , L	ine 17 ,Col (a)÷21%	\$0			
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Lin	e 19) × Line 20				
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Lin	e 19) × Line 20				
23	Effective Tax Rate			21%			
24	Deferred Tax Benefit subject to proration	Line 22	× Line 23	\$0			
25	Net Deferred Tax Reserve subject to proration	Line 7 -	+ Line 24	\$0	\$0	\$0	\$0
		(h) Number of Days in	(i)	(j)	(k)	(1)	(m)
	Proration Calculation	Month	Proration Percentage	Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4
26	April	30	91.78%	\$0	\$0	\$0	\$0
27	May	31	83.29%	\$0	\$0	\$0	\$0
28	June	30	75.07%	\$0	\$0	\$0	\$0
29	July	31	66.58%	\$0	\$0	\$0	\$0
30	August	31	58.08%	\$0	\$0	\$0	\$0
31	September	30	49.86%	\$0	\$0	\$0	\$0
32	October	31	41.37%	\$0	\$0	\$0	\$0
33	November	30	33.15%	\$0	\$0	\$0	\$0
34	December	31	24.66%	\$0	\$0	\$0	\$0
35	January	31	16.16%	\$0	\$0	\$0	\$0
36	February	28	8.49%	\$0	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration	Lin	ie 25	\$0	\$0	\$0	\$0
40	Average Deferred Tax without Proration		0 × 0 5	**	60	60	60
41	Proration Adjustment		39 × 0.5 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0

Column Notes:

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Actual IS Capital Investment 12 months ending August 31, 2020 Synergy Grid Mod - Cybersecurity IS

Line <u>No.</u>			Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021	Rate Year Ending August 31, 2022
	Estimated Capital Investment		(a)	(b)	(c)
1	Cybersecurity		\$0	\$0	\$0
2	Total Actual Capital Investment	Sum of Lines 1	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
3	Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4; Column (b and c) = Prior Year Line 5	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base				
6	Capital Included in Rate Base	Line 2	\$0	\$0	\$0
7	Cost of Removal		\$0	\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0	\$0
	Tax Depreciation				
9	Vintage Year Tax Depreciation:				
10	Rate Year 2 Spend	Page 16 of 21, Line 21	\$0	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0	\$0
	Book Depreciation				
12	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%
13	Book Depreciation	Column (a) = Line 5 * Line 12 * 50%; Column (b and c) = Line 5 * Line 12 Prior Year Line 14 + Current Year Line 13	\$0 \$0	\$0 \$0	\$0
14	Cumulative Book Depreciation	Prior Year Line 14 + Current Year Line 13	\$0	\$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0	\$0
	Deferred Tax Calculation:				
16	Cumulative Book / Tax Timer	Line 11 - Line 14	\$0	\$0	\$0
17 18	Effective Tax Rate Deferred Tax Reserve	Line 16 * Line 17	21.00%	21.00%	21.00%
18	Less: Federal NOL	Line 10 + Line 17	\$0 \$0	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0	\$0
20		Sun of Enes To unough Ty		<i>\$</i> 0	
	Rate Base Calculation:				
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0	\$0
22	Accumulated Depreciation	- Line 15 - Line 20	\$0	\$0 \$0	\$0
23 24	Deferred Tax Reserve Year End Rate Base	- Line 20 Sum of Lines 21 through 23	\$0 \$0	\$0	\$0 \$0
	Revenue Requirement Calculation:				
		Column (a) = Current Year Line $25 \div 2$; Column (b and c) = (Prior Year Line 25			
25	Average Rate Base befor Deferred Tax Proration Adjustment	+ Current Year Line 25) $\div 2$	\$0	\$0	\$0
26	Proration Adjustment	Page 7 of 13, Line 41, Col (j) through Col. (l)	\$0	\$0	\$0
27	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0	\$0
		Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770,			
28	Pre-Tax ROR	Workpaper MAL-6	8.23%	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%
				-	

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year ending August 31 ,2020 IS Capital Investments Synergy Grid Mod - Cybersecurity IS

			Rate Year Ending	Rate Year Ending	Rate Year Ending
Line			August 31, 2020	August 31, 2021	August 31, 2022
No.			(a)	(b)	(c)
	Capital Repairs Deduction				
1	Plant Additions	Page 5 of 13, Line 2	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate	0%	0.00%		
10	Bonus Depreciation	Line 8 * Line 9	\$0		
	Remaining Tax Depreciation				
11	Plant Additions	Line 1	\$0		
12	Less Capital Repairs Deduction	Line 3	\$0		
13	Less Bonus Depreciation	Line 10	\$0		
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0	\$0
17	RY2 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
18	Cost of Removal	Page 5 of 13, Line 7	\$0	\$0	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, 17, and 18	\$0	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-15 Page 7 of 13

(c)

(a) (b)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 2 Net Deferred Tax Reserve Proration Synergy Grid Mod - Cybersecurity IS

				(a)	(0)	(c)
Line No.	Deferred Tax Subject to Proration			Rate Year 2	Rate Year 3	Rate Year 4
	-					
1	Book Depreciation		e 12 ,Col (a) and Col (b)	\$0	\$0	\$0
2	Bonus Depreciation	- Page 16 of 2	25 , Line 12 ,Col (a)	\$0		
3	Remaining MACRS Tax Depreciation	- Page 16	o of 25 , Col (d)	\$0	\$0	\$0
4	FY22 tax (gain)/loss on retirements		5, Line 19, Col (a)	\$0		
5	Cumulative Book / Tax Timer	Sum of Li	ines 1 through 4	\$0	\$0	\$0
6	Effective Tax Rate			21%	21%	21%
7	Deferred Tax Reserve	Line	5 × Line 6	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	- Page 16 of 2	25 , Line 3 ,Col (a)	\$0		
9	Cost of Removal	- Page 15 of 2	25 , Line 7 ,Col (a)	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022					
11	Cumulative Book / Tax Timer	Line 8 + I	Line 9 + Line 10	\$0		
12	Effective Tax Rate			21%		
13	Deferred Tax Reserve	Line 1	1 × Line 12	\$0		
14	Total Deferred Tax Reserve		7 + Line 13	\$0	\$0	\$0
15	Net Operating Loss		25 , Line 17 ,Col (a)	\$0		
16	Net Deferred Tax Reserve	Line 1	4 + Line 15	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0		
19	Total Cumulative Book/Tax Timer	Line 1	7 + Line 18	\$0		
20	Total FY 2022 Federal NOL		Line 17 ,Col (a)÷21%	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration		ine 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ L	ine 19) × Line 20			
23 24	Effective Tax Rate Deferred Tax Benefit subject to proration	Line 2	22 × Line 23	21% \$0		
25	Net Deferred Tax Reserve subject to proration	Line	7 + Line 24	\$0	\$0	\$0
		(h)	(i)	(j)	(k)	(1)
	Proration Calculation	Number of Days in Month	Proration Percentage	Rate Year 2	Rate Year 3	Rate Year 4
26	April	30	91.78%	Kate Year 2 \$0	Kate Year 3	Rate Year 4
20	May	30	83.29%	\$0 \$0	\$0 \$0	\$0 \$0
28	June	30	75.07%	\$0 \$0	\$0 \$0	\$0 \$0
28	July	30	66.58%	\$0 \$0	\$0 \$0	\$0 \$0
30	August	31	58.08%	\$0 \$0	\$0 \$0	\$0
31	September	30	49.86%	\$0 \$0	\$0 \$0	\$0 \$0
32	October	31	41.37%	\$0 \$0	\$0 \$0	\$0
33	November	30	33.15%	\$0 \$0	\$0 \$0	\$0
34	December	31	24.66%	\$0 \$0	\$0 \$0	\$0
35	January	31	16.16%	\$0	\$0	\$0 \$0
36	February	28	8.49%	\$0	\$0	\$0
37	March	31	0.00%	\$0	\$0	\$0
38	Total	365		\$0	\$0	\$0
39	Deferred Tax Without Proration	I	Line 25	\$0	\$0	\$0
40	Average Deferred Tax without Proration		20 0.5	*-	<i>•</i> -	**
41	Proration Adjustment		e 39 × 0.5 38 - Line 40	\$0 \$0	\$0 \$0	\$0 \$0
	rotation regulation	Line		\$0	4 0	50

Column Notes:

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2021 Synergy Grid Mod - Cybersecurity IS

Line <u>No.</u>			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (b)
	Estimated Capital Investment		(a)	(0)
1 2	Cybersecurity Total Estimated Capital Investment	Sum of Line 1		\$0 \$0
	·			
3	Depreciable Net Capital Included in Rate Base Total Allowed Capital Included in Rate Base in Current Year	Line 2	\$0	\$0
4	Retirements	Line 4 * 0%	\$0	\$0
5	Net Depreciable Capital Included in Rate Base	Column (a) = Line 3 - Line 4, them = Column (a)	\$0	\$0
	Change in Net Capital Included in Rate Base			
6	Capital Included in Rate Base	Line 2	\$0	\$0
7	Cost of Removal		\$0	\$0
8	Total Net Plant in Service Including Cost of Removal	Line 6 + Line 7	\$0	\$0
	Tax Depreciation			
9	Vintage Year Tax Depreciation:			
10	Rate Year 3 Spend	Page 9 of 13, Line 19	\$0	\$0
11	Cumulative Tax Depreciation	Prior Year Line 11 + Current Year Line 10	\$0	\$0
10	Book Depreciation		14.29%	14.29%
12 13	Composite Book Depreciation Rate Book Depreciation	As filed per R.I.P.U.C. Docket No. 4770 Column (a) = Line 5 * Line 12 * 50% ; Column (b and c) = Line 5 * Line 12	14.29%	14.29% \$0
14	Cumulative Book Depreciation	Prior Year Line $12 + 50\%$, Column (8 and 6) – Line $5 + Line 12$ Prior Year Line $14 + Current Year Line 13$	\$0 \$0	\$0
15	Total Cumulative Book Depreciation	Line 14	\$0	\$0
	Deferred Tax Calculation:			
16	Cumulative Book / Tax Timer	Line 11 - Line 15	\$0	\$0
17	Effective Tax Rate		21.00%	21.00%
18 19	Deferred Tax Reserve Less: Federal NOL	Line 16 * Line 17	\$0 \$0	\$0 \$0
20	Net Deferred Tax Reserve	Sum of Lines 18 through 19	\$0	\$0
	Rate Base Calculation:			
21	Cumulative Incremental Capital Included in Rate Base	Line 8	\$0	\$0
22	Accumulated Depreciation	- Line 15	\$0	\$0
23	Deferred Tax Reserve	- Line 20	\$0	\$0
24	Year End Rate Base	Sum of Lines 21 through 23	\$0	\$0
	Revenue Requirement Calculation:			
25	Average Rate Base befor Deferred Tax Proration Adjustment	Column (a) = Current Year Line $25 \div 2$; Column (b) = (Prior Year Line $25 +$ Current Year Line $25) \div 2$	\$0.00	\$0.00
25 26	Average Rate Base befor Deferred Tax Proration Adjustment Proration Adjustment	, Line 41, Col (j) through Col. (k)	\$0.00	\$0.00 \$0
20	Average Rate Base after Deferred Tax Proration	Line 25 + Line 26	\$0	\$0
	5	Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Workpaper		
28	Pre-Tax ROR	MAL-6	8.23%	8.23%
29	Return and Taxes	Line 27 * Line 28	\$0	\$0
30	Book Depreciation	Line 13	\$0	\$0
31	Annual Revenue Requirement	Line 29 + Line 30	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year IS ending August 31, 2021 Capital Investments Synergy Grid Mod - Cybersecurity IS

Line <u>No.</u>			Rate Year Ending August 31, 2021 (a)	Rate Year Ending August 31, 2022 (b)
	Capital Repairs Deduction			
1	Plant Additions	Page 8 of 13, Line 2	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Total Bonus Depreciation Rate	0%	0.00%	
10	Bonus Depreciation	Line 8 * Line 9	\$0	
	Remaining Tax Depreciation			
11	Plant Additions	Line 1	\$0	
12	Less Capital Repairs Deduction	Line 3	\$0	
13	Less Bonus Depreciation	Line 10	\$0	
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0	\$0
17	RY3 Loss incurred due to retirements	Per Tax Department	\$0	\$0
18	Cost of Removal	Page 8 of 13, Line 7	\$0	\$0
		Sum of Lines 3, 10, 16, 17, and		
19	Total Tax Depreciation and Repairs Deduction	18	\$0	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-15 Page 10 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 3 Net Deferred Tax Reserve Proration Synergy Grid Mod - Cybersecurity IS

Line No.	Deferred Tax Subject to Proration			(a) Rate Year 3	(b) Rate Year 4
110.	Deletted Tax Subject to Trotation				
1 2	Book Depreciation Bonus Depreciation		12 ,Col (a) and Col (b) , Line 12 ,Col (a)	\$0 \$0	\$0
3	Remaining MACRS Tax Depreciation	- Page 16 o	f 25 , Col (d)	\$0	\$0
4	FY22 tax (gain)/loss on retirements		, Line 19 ,Col (a)	\$0 \$0	<i>\$</i> 0
5	Cumulative Book / Tax Timer		es 1 through 4	\$0	\$0
6	Effective Tax Rate	Line $5 \times \text{Line } 6$		21%	21%
7	Deferred Tax Reserve			\$0	\$0
	Deferred Tax Not Subject to Proration				
8	Capital Repairs Deduction	- Page 16 of 25	, Line 3 ,Col (a)	\$0	
9	Cost of Removal	- Page 15 of 25	, Line 7 ,Col (a)	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2022				
11	Cumulative Book / Tax Timer	Line 8 + Lir	ne 9 + Line 10	\$0	
12	Effective Tax Rate			21%	
13	Deferred Tax Reserve	Line 11	× Line 12	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0
15	Net Operating Loss	U	, Line 17 ,Col (a)	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL				
17	Cumulative Book/Tax Timer Subject to Proration		ne 5	\$0	
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11		\$0	
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		\$0	
20	Total FY 2022 Federal NOL	- Page 15 of 25 , Line 17 ,Col (a)÷21%		\$0	
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 ÷ Line 19) × Line 20			
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20			
23	Effective Tax Rate		T : 00	21%	
24	Deferred Tax Benefit subject to proration	Line $22 \times \text{Line } 23$		\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0
		(h)	(i)	(j)	(k)
		Number of Days in			
	Proration Calculation	Month	Proration Percentage	Rate Year 3	Rate Year 4
26	April	30	91.78%	\$0	\$0
27	May	31	83.29%	\$0	\$0
28	June	30	75.07%	\$0	\$0
29 30	July	31 31	66.58% 58.08%	\$0 \$0	\$0 \$0
30 31	August September	31	49.86%	\$0 \$0	\$0 \$0
31	October	31	41.37%	\$0 \$0	\$0 \$0
33	November	30	33.15%	\$0 \$0	\$0 \$0
34	December	31	24.66%	\$0	\$0
35	January	31	16.16%	\$0	\$0
36	February	28	8.49%	\$0	\$0
37	March	31	0.00%	\$0	\$0
38	Total	365		\$0	\$0
39	Deferred Tax Without Proration	Lir	ne 25	\$0	\$0
40	Average Deferred Tax without Proration				
			39×0.5	\$0	\$0
41	Proration Adjustment	Line 38 - Line 40		\$0	\$0

Column Notes:

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated IS Capital Investment 12 months ending August 31, 2022 Synergy Grid Mod - Cybersecurity IS

Estimated Capital Investment 1 Cybersecurity 2 Total Estimated Capital Investment 5 Depreciable Net Capital Included in Rate Base 3 Total Allowed Capital Included in Rate Base in Current Year	\$0 0%\$0
2 Total Estimated Capital Investment Sum of Li Depreciable Net Capital Included in Rate Base	ne 1 \$0 50 0% \$0
	· · · · · · · · · · · · · · · · · · ·
4 Retirements Line 4 * 1 5 Net Depreciable Capital Included in Rate Base Column (a) = Lin	5-Enc - 50
Change in Net Capital Included in Rate Base 6 Capital Included in Rate Base Line 2	\$0
7 Cost of Removal	\$0
8 Total Net Plant in Service Including Cost of Removal Line 6 + L	ine 7 \$0
Tax Depreciation	
9 Vintage Year Tax Depreciation:	
10 RY4 Spend Page 12 of 13, 11 Cumulative Tax Depreciation Current Year	
11 Cumulative 1ax Depretation Current real	Ene 10 30
Book Depreciation	C. D. J. (N. 1770) 14 200/
12 Composite Book Depreciation Rate As approved per R.I.P.U.C 13 Book Depreciation Column (a) = Line 5*	
14 Cumulative Book Depreciation Current Year	
15 Total Cumulative Book Depreciation Line 14	4 50
15 Total Cumulative Book Depreciation Line 14	+ 30
Deferred Tax Calculation:	
16 Cumulative Book / Tax Timer Line 11 - Li 17 Effective Tax Rate	
17 Effective Tax Rate 18 Deferred Tax Reserve Line 16 * Li	ine 17 \$0
19 Less: Federal NOL	\$0 \$0
20 Net Deferred Tax Reserve Sum of Lines 18	through 19 \$0
Rate Base Calculation:	
21 Cumulative Incremental Capital Included in Rate Base Line 8	\$0
22 Accumulated Depreciation - Line 1	
23 Deferred Tax Reserve - Line 2 24 Year End Rate Base Sum of Lines 21	
24 Feat Elit Rate Dase Sum of Elites 21	
Revenue Requirement Calculation:	
25 Average Rate Base befor Deferred Tax Proration Adjustment Column (a) = Current V 26 Proration Adjustment Page 13 of 13, Line 41, Co	
26 Proration Adjustment Page 13 of 13, Line 41, Co 27 Average Rate Base after Deferred Tax Proration Line 25 + Li	
27 Average Rate base alter Defended rax Profation Weighted Average Cost of Capital as fil	
28 Pre-Tax ROR Workpaper N	
29 Return and Taxes Line 25 * Li	
30 Book Depreciation Line 12	3 \$0
31 Annual Revenue Requirement Line 29 + L	ine 30 \$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	50.00%	3.70%	1.85%		1.85%
Short Term Debt	0.00%	0.00%	0.00%		0.00%
Preferred Stock	0.00%	0.00%	0.00%		0.00%
Common Equity	50.00%	9.275%	4.64%	1.74%	6.38%
	100.00%		6.49%	1.74%	8.23%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-15 Page 12 of 13

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Rate Year Ending August 31, 2022 IS Capital Investments Synergy Grid Mod - Cybersecurity IS

Line <u>No.</u>			Rate Year Ending <u>August 31, 2022</u> (a)
1	<u>Capital Repairs Deduction</u> Plant Additions	D 11 - £12 1: 2	\$0
1	Capital Repairs Deduction Rate	Page 11 of 13, Line 2	\$0 0.00%
2	Capital Repairs Deduction	Per Tax Department Line 1 * Line 2	<u> </u>
3	Capital Repairs Deduction	Line 1 × Line 2	50
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Total Bonus Depreciation Rate	0%	0.00%
10	Bonus Depreciation	Line 8 * Line 9	\$0
	Remaining Tax Depreciation		
11	Plant Additions	Line 1	\$0
12	Less Capital Repairs Deduction	Line 3	\$0
13	Less Bonus Depreciation	Line 10	\$0
14	Remaining Plant Additions Subject to 3 YR MACRS Tax Depreciation	Line 11 - Line 12 - Line 13	\$0
15	3 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%
16	Remaining Tax Depreciation	Line 14 * Line 15	\$0
17	RY4 Loss incurred due to retirements	Per Tax Department	\$0
18	Cost of Removal	Page 8 of 13, Line 7	\$0
19	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 10, 16, 17, and 18	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Attachment PUC 3-10-15 Page 13 of 13

(a)

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Rate Year 4 Net Deferred Tax Reserve Proration Synergy Grid Mod - Cybersecurity IS

Line				Rate Year 4
No.	Deferred Tax Subject to Proration			
1	Book Depreciation	Page 15 of 25, Lir	ne 12 ,Col (a) and Col (b)	\$0
2	Bonus Depreciation		25 , Line 12 ,Col (a)	\$0
3	Remaining MACRS Tax Depreciation	- Page 10	5 of 25 , Col (d)	\$0
4	FY22 tax (gain)/loss on retirements	- Page 16 of 2	25 , Line 19 ,Col (a)	\$0
5	Cumulative Book / Tax Timer	Sum of L	ines 1 through 4	\$0
6	Effective Tax Rate			21%
7	Deferred Tax Reserve	Line	5 × Line 6	\$0
	Deferred Tax Not Subject to Proration			
8	Capital Repairs Deduction		25 , Line 3 ,Col (a)	\$0
9	Cost of Removal	- Page 15 of	25 , Line 7 ,Col (a)	\$0
10	Book/Tax Depreciation Timing Difference at 3/31/2022			
11	Cumulative Book / Tax Timer	Line 8 + 1	Line 9 + Line 10	\$0
12	Effective Tax Rate			21%
13	Deferred Tax Reserve	Line	11 × Line 12	\$0
14	Total Deferred Tax Reserve		7 + Line 13	\$0
15	Net Operating Loss	0	25 , Line 17 ,Col (a)	\$0
16	Net Deferred Tax Reserve	Line	14 + Line 15	\$0
	Allocation of FY 2022 Estimated Federal NOL			
17	Cumulative Book/Tax Timer Subject to Proration		Line 5	\$0
18	Cumulative Book/Tax Timer Not Subject to Proration		Line 11	\$0
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		\$0
20	Total FY 2022 Federal NOL		Line 17 ,Col (a)÷21%	\$0
21	Allocated FY 2021 Federal NOL Not Subject to Proration	,	Line 19) × Line 20	
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 ÷ Line 19) × Line 20		
23	Effective Tax Rate			21%
24	Deferred Tax Benefit subject to proration	Line $22 \times Line 23$		\$0
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24		\$0
		(h)	(i)	(j)
		Number of Days in		
	Proration Calculation	Month	Proration Percentage	Rate Year 4
26	April	30	91.78%	\$0
27	May	31	83.29%	\$0
28 29	June	30	75.07%	\$0
29 30	July August	31 31	66.58% 58.08%	\$0 \$0
30	September	31	49.86%	\$0 \$0
32	October	30	49.80%	\$0 \$0
33	November	30	33.15%	\$0
33	December	30	24.66%	\$0 \$0
35	January	31	16.16%	\$0 \$0
36	February	28	8.49%	\$0
37	March	31	0.00%	\$0
38	Total	365	0.0070	\$0
39	Deferred Tax Without Proration	1	Line 25	\$0
40	Average Deferred Tax without Proration	Line 23		40
			e 39 × 0.5	\$0
41	Proration Adjustment	Line	38 - Line 40	\$0
Colum	n Notes:			

Column Notes: