

September 4, 2020

**VIA ELECTRONIC MAIL**

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

**RE: Docket 4770 – Electric Earnings Sharing Mechanism  
Earnings Report - Twelve Months Ended December 31, 2019  
Responses to PUC Data Request – Set 2**

Dear Ms. Massaro:

On behalf of National Grid,<sup>1</sup> enclosed is an electronic version of the Company's response to data request PUC 2-6 in the above-referenced docket.<sup>2</sup>

This transmittal completes the Company's responses to the Public Utilities Commission's Second Set of Data Requests in this matter.

Thank you for your attention to this transmittal. If you have any questions regarding this filing, please contact me at 401-784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosure

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

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

<sup>2</sup> Per practice during the COVID-19 emergency period, the Company is providing a PDF version of this response. The Company will provide the Commission Clerk with a hard copy and, if needed, additional hard copies of this transmittal at a later date.

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4770  
In Re: Electric and Gas Earnings Reports  
Twelve Months Ended December 31, 2019  
Responses to Commission's Second Set of Data Requests  
Issued on July 30, 2020

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PUC 2-6

Request:

Has the Company reviewed earnings reports that were filed with the Commission for years prior to 2018 to determine if there were any errors in the treatment of transmission expenses or any other calculations, as they related to the determination of the distribution earnings? If so, were there any errors?

Response:

Yes, the Company has reviewed the CY 2017, CY 2016, and CY 2015 electric distribution earnings filings and determined that errors existed in the treatment of the BITS surcharge and related expenses in CY 2017.

A revised CY 2017 electric distribution earnings report is provided at Attachment PUC 2-6-1. A new column marked as C1 "Less: BITS surcharge" (highlighted in yellow) has been added to the revised Page 2 to exclude the BITS-related revenue and expenses noted above. Resulting changes to the IFA billing adjustments in Column C, on Page 2, have also been highlighted in yellow.

The CY 2017 ROE as revised is 4.72% compared to the CY 2017 ROE as previously reported in the Company's May 1, 2018 earnings filing of 5.41%, a copy of which has been provided for ease of reference in Attachment PUC 2-6-2.

The Company first billed the BITS surcharge to New England Power Company in April 2017. Therefore, after reviewing the CY 2016 and CY 2015 earnings reports and determining that no errors were made in the preparation of those calendar years' earnings reports, the Company did not review any additional reports prior to CY 2015.

**The Narragansett Electric Company**  
**Return on Rate Base**  
**Return on Common Equity**  
**Twelve Months Ended December 31, 2017**  
**REVISED**

Page 1 of 6

Line No.	Twelve Months Ending December 31, 2017			
	<u>Earned 1/</u>	<u>Earned 2/</u>	<u>Allowed 3/</u>	<u>Ceiling 3/</u>
1				
2	Return on Distribution Rate Base	4.81%	5.40%	7.17%
3				
4	Return on Distribution Common Equity	4.72%	5.93%	9.50%
5				
6				
7	<u>1/ Excludes Conservation &amp; Load Management ("C&amp;LM" aka Energy Efficiency) Incentive, LTCER Remuneration Costs, and RE Growth Remuneration Costs</u>			
8	<u>2/ Includes C&amp;LM Incentive, LTCER Remuneration Costs, and RE Growth Remuneration Costs</u>			
9	<u>3/ Allowed Return and Ceiling, presented below.</u>			
10				
11				
12		<u>Allowed</u>		<u>Ceiling</u>
13		<u>Cost</u>	<u>Weighted</u>	<u>Cost</u>
14		<u>Rate</u>	<u>Cost</u>	<u>Rate</u>
15		<u>Total</u>		<u>Cost</u>
16	Long Term Debt	49.95%	4.96%	2.48%
17	Short Term Debt	0.76%	0.79%	0.01%
18	Preferred Stock	0.15%	4.50%	0.01%
19	Common Equity	49.14%	9.50%	4.67%
20		<u>100.00%</u>	<u>7.17%</u>	<u>7.17%</u>
21				
22	5-Quarter Average			
23	DISTRIBUTION			
24	Rate Base			
25	as of			
26	12/31/2017			
27	<u>\$698,889,355</u> 4/	<u>Total</u>	<u>Cost</u>	<u>Pre-Tax</u>
28			<u>Rate</u>	<u>Weighted Cost</u>
29	Long Term Debt \$349,095,233	49.95%	4.96%	2.48%
30	Short Term Debt \$5,311,559	0.76%	0.79%	0.01%
31	Preferred Stock \$1,048,334	0.15%	4.50%	0.02%
32	Common Equity \$343,434,229	49.14%	4.72%	3.66%
33	<u>\$698,889,355</u>	<u>100.00%</u>	<u>4.82%</u>	<u>6.17%</u>
34				

(b) includes adj. for Flowthrough Items

4/ From Page 3 Line 29, Column (f)

**PREFERRED STOCK EARNINGS, INTEREST EXPENSE,**  
**AND FEDERAL INCOME TAX**  
**CALCULATED USING IMPUTED CAPITAL STRUCTURE**

					<u>\$000s</u>
PREF. STOCK:	\$698,889,355	X	0.01% (c)	=	\$70
INTEREST:	\$698,889,355	X	2.49% (d)	=	\$17,402
FIT:	\$698,889,355	X	1.25% (e)	=	\$8,768
Plus: (Flowthrough Items)/65%-(Flowthrough Items) (f)					\$623
Total Federal Income Taxes ("FIT")					<u>\$9,392</u>
(c) From Line 31, Column "Weighted Cost"					
(d) Sum of Lines 29 and 30, Column "Weighted Cost".					
(e) (0.01% + 2.32%) / 65% - (0.01% + 2.32%)					
(f) Flowthrough Items					
Investment Tax Credit ("ITC") Amortization					(\$43)
ITC Basis Reduction Depreciation					\$74
AFUDC Equity Depreciation					\$127
Unfunded Amortization					\$1,000
					<u>\$1,158</u>

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Return on Equity Calculation**  
**Twelve Months Ended December 31, 2017**

Page 2 of 6

(\$000s)

Line No.	A	Total Electric Business B	Less: Integrated Facilities Agreement ("IFA") Amount Billed to NEP C	Less: BITS Surcharge C1	Other Adjustments D	Electric Distribution Amount Per Schedules E=B-C-C1+D	
1	Revenue - Sales of Electricity	\$295,321				\$295,321	
2	Other Revenue	\$699,597				\$699,597	1/
3	Total Revenue	\$994,918				\$994,918	
4	Operating Expenses:						
5	Purchased Power	\$337,430				\$337,430	
6	Transmission Wheeling	\$219,356				\$219,356	
7	Transmission Wheeling - IFA Credit	(\$160,108)	(\$136,607)	(\$23,501)		(\$0)	
8	Uncollectible Expense	\$9,416			\$1,109	\$10,525	
9	Genl & Admin. O&M	\$118,556	\$17,956			\$100,600	
10	All Other Operation & Maintenance ("O&M") expense	\$166,459	\$7,046		(\$1,671)	\$157,742	2/
11	Company Share of Earned Savings	\$0			\$3,250	\$3,250	3/
12	Depreciation	\$70,506	\$19,196	\$3,779	\$0	\$47,532	
13	Amort. - Loss on Reaq. Debt	\$487	\$67	\$10	(\$419)	(\$9)	
14	Amortization - Other	\$63				\$63	
15	Gross Earnings Tax	\$35,991				\$35,991	
16	Municipal Tax	\$49,717	\$19,299	\$2,430		\$27,988	
17	Other Non-Income taxes	\$4,728	\$727			\$4,000	
18	Current and Deferred Income Taxes	\$4,926			(\$4,926)	\$0	6/
19	Regulatory Debits	\$8				\$8	
20	Accretion Expense	(\$146)			\$146	\$0	
21	Amortization of ITC	(\$76)	(\$27)	(\$6)		(\$43)	
22	Interest on Customer Deposits	\$278				\$278	4/
23	Donations	\$782				\$782	4/
24	Total Operating Expenses	\$858,373	(\$72,344)	(\$17,288)	(\$2,512)	\$945,493	
25							
26	Net Operating Income	\$136,546					
27	Distribution Operating Income Before Taxes					\$49,425	
28	Adjustments:						
29	Service Quality ("SQ") Penalties Accrued					\$0	5/
30	C&LM Incentive					(\$4,696)	
31	RE Growth Remuneration					(\$24)	9/
32	LTCER Remuneration Costs					(\$1,651)	8/
33							
34	Adjusted Distribution Operating Income Before Taxes					\$43,054	
35	Interest Charges					\$17,402	6/
36	Income Taxes @ 35% (net of ITC)					\$9,368	7/
37							
38	Net Income					\$16,283	
39							
40	Less: Preferred Stock Requirements					\$70	6/
41	Earnings Available for Common					\$16,213	
42							
43	Average Common Equity - 5-Quarter Average					\$343,434	6/
44							
45	Rate of Return on Adjusted Average Common Equity					4.72%	

**Notes**

- 1/ Excludes excess earnings accrual of \$0 for the 12 month period.
- 2/ Excludes \$0, for storm related expenses as incurred \$0.987 million of sales expense was excluded
- 3/ Pursuant to Docket 4065 Settlement, and as continued in the Docket 4323 settlement, Company share of Earned Savings equals \$3250 annually, effective January 2010.
- 4/ Below the line items brought above the line for ratemaking.
- 5/ Effective Dec. 2005, SQ penalties booked below the line.
- 6/ Calculated using imputed capital structure and cost rates; see Page 1 at Lines 44, 43 and 32, respectively.
- 7/ Includes impact of flowthrough items from Page 1 at Line 59.
- 8/ Docket 4805 Schedule ASC-18 Pg 4 Col H
- 9/ Docket 4707 RE Growth Factor Filing Schedule ASC-3 Page 3 Line 14

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Rate Base - Electric Distribution**  
**Five Quarter Average**

Page 3 of 6

Line No.	Description	(a) December 2016	(b) March 2017	(c) June 2017	(d) September 2017	(e) December 2017	(f) 5-Quarter Average
1	Utility Plant in Service	\$ 1,490,507,033	\$ 1,525,211,443	\$ 1,529,038,072	\$ 1,538,982,120	\$ 1,540,193,364	\$ 1,524,786,406
2	IFA allocated Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Block Island Transmission System (BITS) Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Total Distribution Plant	\$ 1,490,507,033	\$ 1,525,211,443	\$ 1,529,038,072	\$ 1,538,982,120	\$ 1,540,193,364	\$ 1,524,786,406
5							
6	Property Held for Future Use	2,496,405	2,496,405	2,496,405	2,496,405	2,496,405	\$ 2,496,405
7	Less: Contribution in Aid of Construction	2,756	(518,630)	2,756	2,756	(222,216)	\$ (146,515)
8	Less: Accumulated Depreciation	654,105,202	662,588,139	652,283,601	671,251,623	666,908,851	\$ 661,427,483
9	Plus: IFA allocated Depreciation	-	-	-	-	-	\$ -
10	Plus: Block Island Transmission System (BITS) Depreciation	-	-	-	-	-	\$ -
11							
12	Net Plant in Service	\$ 838,895,480	\$ 865,638,338	\$ 879,248,120	\$ 870,224,147	\$ 876,003,134	\$ 866,001,844
13							
14	Plus:						
15	Materials and Supplies	\$ 4,525,831	\$ 5,510,606	\$ 3,632,412	\$ 3,182,470	\$ 3,695,981	\$ 4,109,460
16	Prepayments	1,444,668	1,054,315	(324,171)	1,245,274	1,522,484	\$ 988,514
17	Loss on Reacquired Debt	1,854,556	2,318,694	1,709,381	1,785,599	1,752,405	\$ 1,884,127
18	Cash Working Capital	4,975,475	4,975,475	4,975,475	4,975,475	4,975,475	\$ 4,975,475
19	Cash Working Capital - Commodity & Gross Receipts Tax	25,003,318	23,686,328	23,686,328	23,686,328	23,686,328	\$ 23,949,726
20	Unamortized Interest Rate Lock	2,439,092	2,346,659	2,254,226	2,161,793	2,069,360	\$ 2,254,226
21	Unamortized Debt Issuance Costs (\$550M)	1,113,997	1,089,529	1,065,062	1,040,594	1,016,126	\$ 1,065,062
22	Unamortized Debt Issuance Costs (\$250M 2012)	945,261	\$936,143	\$927,024	\$917,906	\$908,788	\$ 927,024
23							
24	Subtotal	\$ 42,302,198	\$ 41,917,749	\$ 37,925,736	\$ 38,995,438	\$ 39,626,947	\$ 40,153,614
25							
26	Less:						
27	Accumulated Deferred Federal Income Taxes ("FIT")	\$ 165,941,844	\$ 184,975,771	\$ 196,614,471	\$ 197,535,435	\$ 215,503,710	\$ 192,114,246
28	Accumulated Deferred FIT on Loss for Reacquired Debt	649,095	811,543	598,283	624,960	613,342	\$ 659,444
29	Customer Deposits	10,276,666	10,154,831	8,699,858	8,743,046	8,961,553	\$ 9,367,191
30	Injuries and Damages Reserve - Uninsured Claims	5,691,599	5,771,305	4,570,193	4,658,649	4,934,361	\$ 5,125,221
31							
32	Subtotal	\$ 182,559,203	\$ 201,713,450	\$ 210,482,805	\$ 211,562,090	\$ 230,012,966	\$ 207,266,103
33							
34	Rate Base	\$ 698,638,476	\$ 705,842,638	\$ 706,691,051	\$ 697,657,495	\$ 685,617,114	\$ 698,889,355

**Line Notes**

34 Line 12 + Line 24 - Line 32

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Rate Base - Integrated Facilities Agreement (IFA)**  
**Five Quarter Average**

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Line No.	Description	(a) December 2016	(b) March 2017	(c) June 2017	(d) September 2017	(e) December 2017	(f) 5-Quarter Average
1	Utility Plant in Service	\$ 827,089,826	\$ 835,451,297	\$ 837,552,450	\$ 835,369,555	\$ 840,536,616	\$ 835,199,949
2	IFA allocated Plant	\$ 8,992,857	\$ 7,414,569	\$ 7,628,415	\$ 5,393,094	\$ 5,484,673	\$ 6,982,722
3	Block Island Transmission System (BITS) Assets	\$ 89,307,077	\$ 100,770,097	\$ 103,499,792	\$ 111,357,580	\$ 111,730,437	\$ 103,332,997
4	Total Transmission Plant	\$ 925,389,760	\$ 943,635,963	\$ 948,680,657	\$ 952,120,229	\$ 957,751,726	\$ 945,515,667
5							
6							
7	Property Held for Future Use	12,531,903	12,531,903	12,531,903	12,531,903	12,531,903	\$ 12,531,903
8	Less: Contribution in Aid of Construction						
9	Less: Accumulated Depreciation	92,361,272	97,279,994	100,336,957	104,198,259	106,968,106	\$ 100,228,918
10	Plus: IFA allocated Depreciation	4,005,114	1,702,947	2,370,742	1,686,009	1,722,878	\$ 2,297,538
11	Plus: Block Island Transmission System (BITS) Depreciation	39,143	181,531	191,906	207,312	208,038	\$ 165,586
12	Total Accumulated Depreciation	96,405,529	99,164,472	102,899,605	106,091,579	108,899,022	\$ 102,692,042
13							
14	Net Plant in Service	\$ 841,516,133	\$ 857,003,394	\$ 858,312,955	\$ 858,560,552	\$ 861,384,607	\$ 855,355,528
15							
16	Plus:						
17	Materials and Supplies	\$ 2,720,358	\$ 1,338,323	\$ 2,684,191	\$ 2,183,945	\$ 2,708,039	\$ 2,326,971
18	Prepayments	836,202	256,054	475,210	700,079	860,846	\$ 625,678
19	Loss on Reacquired Debt	1,073,453	563,126	1,126,251	1,003,844	990,849	\$ 951,504
20	Cash Working Capital	2,681,655	3,194,316	2,514,043	1,879,414	3,161,077	\$ 2,686,101
21	Unamortized Interest Rate Lock	1,509,520	1,452,316	1,395,112	1,337,908	1,280,704	\$ 1,395,112
22	Unamortized Debt Issuance Costs (\$550M)	785,818	674,289	659,146	698,225	677,568	\$ 699,009
23	Unamortized Debt Issuance Costs (\$250M 2012)	630,149	579,361	573,718	568,075	562,432	\$ 582,747
24							
25	Subtotal	\$ 10,237,155	\$ 8,057,785	\$ 9,427,672	\$ 8,371,489	\$ 10,241,514	\$ 9,267,123
26							
27	Less:						
28	Accumulated Deferred FIT	\$ 158,841,895	\$ 168,039,168	\$ 159,376,348	\$ 163,124,188	\$ 139,364,226	\$ 157,749,165
29	Accumulated Deferred FIT on Loss on Reacquired Debt	375,709	197,094	394,188	351,345	346,797	\$ 333,027
30	Customer Deposits	-	-	-	-	-	\$ -
31	Injuries and Damages Reserve - Uninsured Claims	-	-	-	-	-	\$ -
32							
33	Subtotal	\$ 159,217,604	\$ 168,236,262	\$ 159,770,536	\$ 163,475,534	\$ 139,711,023	\$ 158,082,192
34							
35	Rate Base	\$ 692,535,685	\$ 696,824,918	\$ 707,970,090	\$ 703,456,508	\$ 731,915,098	\$ 706,540,460

**Line Notes**

35 Line 14 + Line 24 - Line 33

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Rate Base - Electric Total Distribution and IFA**  
**Five Quarter Average**

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Line No.	Description	(a) December 2016	(b) March 2017	(c) June 2017	(d) September 2017	(e) December 2017	(f) 5-Quarter Average
1	Utility Plant in Service	\$ 2,317,596,859	\$ 2,360,662,739	\$ 2,366,590,522	\$ 2,374,351,675	\$ 2,380,729,980	\$ 2,359,986,355
2	IFA allocated Plant	\$ 8,992,857	\$ 7,414,569	\$ 7,628,415	\$ 5,393,094	\$ 5,484,673	\$ 6,982,722
3	Block Island Transmission Assets (BITS)	\$ 89,307,077	\$ 100,770,097	\$ 103,499,792	\$ 111,357,580	\$ 111,730,437	\$ 103,332,997
4	Total Utility Plant in Service	\$ 2,415,896,793	\$ 2,468,847,406	\$ 2,477,718,729	\$ 2,491,102,349	\$ 2,497,945,090	\$ 2,470,302,073
5							
6							
7	Property Held for Future Use	15,028,308	15,028,308	15,028,308	15,028,308	15,028,308	\$ 15,028,308
8	Less: Contribution in Aid of Construction	2,756	(518,630)	2,756	2,756	(222,216)	\$ (146,515)
9	Less: Accumulated Depreciation	746,466,474	759,868,133	752,620,557	775,449,882	773,876,957	\$ 761,656,401
10	Less: IFA allocated Depreciation	4,005,114	1,702,947	2,370,742	1,686,009	1,722,878	\$ 2,297,538
11	Less: Block Island Transmission System (BITS) Depreciation	39,143	181,531	191,906	207,312	208,038	\$ 165,586
12	Net Plant in Service	\$ 1,680,411,614	\$ 1,722,641,733	\$ 1,737,561,075	\$ 1,728,784,699	\$ 1,737,387,741	\$ 1,721,357,372
13							
14	Plus:						
15	Materials and Supplies	\$ 7,246,188	\$ 6,848,929	\$ 6,316,603	\$ 5,366,415	\$ 6,404,020	\$ 6,436,431
16	Prepayments	2,280,870	1,310,370	151,039	1,945,353	2,383,330	1,614,192
17	Loss on Reacquired Debt	2,928,009	2,881,820	2,835,632	2,789,443	2,743,254	2,835,632
18							
19	Cash Working Capital	7,657,130	8,169,791	7,489,518	6,854,889	8,136,552	7,661,576
20	Cash Working Capital - Commodity & Gross Receipts Tax	25,003,318	23,686,328	23,686,328	23,686,328	23,686,328	23,949,726
21	Unamortized Interest Rate Lock	3,948,612	3,798,975	3,649,338	3,499,701	3,350,064	3,649,338
22	Unamortized Debt Issuance Costs (\$550M)	1,899,815	1,763,818	1,724,208	1,738,818	1,693,694	1,764,071
23	Unamortized Debt Issuance Costs (\$250M 2012)	1,575,410	1,515,504	1,500,743	1,485,981	1,471,220	1,509,772
24							
25	Subtotal	\$ 52,539,353	\$ 49,975,534	\$ 47,353,408	\$ 47,366,927	\$ 49,868,461	\$ 49,420,737
26							
27	Less:						
28	Accumulated Deferred FIT	\$ 324,783,739	\$ 353,014,939	\$ 355,990,819	\$ 360,659,623	\$ 354,867,936	\$ 349,863,411
29	Accumulated Deferred FIT on Loss for Reacquired Debt	1,024,803	1,008,637	992,471	976,305	960,139	\$ 992,471
30	Customer deposits	\$10,276,666	\$10,154,831	\$8,699,858	\$8,743,046	\$8,961,553	\$ 9,367,191
31	Injuries and Damages Reserve - Uninsured Claims	\$5,691,599	\$5,771,305	\$4,570,193	\$4,658,649	\$4,934,361	\$ 5,125,221
32							
33	Subtotal	\$ 341,776,807	\$ 369,949,711	\$ 370,253,341	\$ 375,037,623	\$ 369,723,989	\$ 365,348,294
34							
35	Rate Base	\$ 1,391,174,160	\$ 1,402,667,556	\$ 1,414,661,141	\$ 1,401,114,003	\$ 1,417,532,213	\$ 1,405,429,814

**Line Notes**

35 Line 12 + Line 25 - Line 33

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Calculation of Excess Earnings for Twelve months ended December 31, 2017**  
**(\$000)**

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Line

1	Actual Distribution Earnings Available for Common	\$16,213 (a)		
2				
3				
4	Actual Average Common Equity	\$343,434 (a)		
5				
6				
7	Average Annual Return	<u>4.72% (b)</u>		Customer Share
8				
9	ROE in 50%/50% Bandwith (>9.50%, <10.50%)	0.00% * 50.00%	=	0.00%
10	ROE in 75%/25% Bandwith (>10.50%)	0.00% * 75.00%	=	0.00%
11				
12	Total Customer ROE Sharing			0.00%
13	Actual Average Common Equity			<u>\$343,434</u>
14				
15	Actual Annual Customer Shared Earnings			\$0
16	Tax Gross-up			<u>/ 65.00%</u>
17				
18	Annual Customer Shared Earnings - Pre-tax			-
19				
20	Total Customer Shared Earnings for the twelve months ending December 31, 2017			<u>\$ -</u>

Notes

- (a) From Page 2 of 6, Line 39 and Line 41.  
(b) Line 1 divided by Line 4 ; equals Page 2 of 6 at Line 43.



Jennifer Brooks Hutchinson  
Senior Counsel

May 1, 2018

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4323 – Electric Earnings Report  
Twelve Months Ended December 31, 2017**

Dear Ms. Massaro:

In accordance with the Amended Settlement Agreement approved by the Rhode Island Public Utilities Commission (PUC) in Order No. 21011 (April 11, 2013) in Docket No. 4323, enclosed are 10 copies of the electric earnings report for the twelve-month period ended December 31, 2017 for The Narragansett Electric Company.<sup>1</sup>

Thank you for your attention to this transmittal. If you have any questions regarding this filing, please contact me at 401-784-7288.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Jennifer Brooks Hutchinson".

Jennifer Brooks Hutchinson

Enclosures

cc: John Bell, Division  
David Effron, Division  
Leo Wold, Esq.

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid.



**THE NARRAGANSETT ELECTRIC COMPANY**  
**Return on Equity Calculation**  
**Twelve Months Ended December 31, 2017**

(\$000s)

Line No.		<b>Total Electric Business</b>	<b>Less: Integrated Facilities Agreement ("IFA") Amount Billed to NEP</b>	<b>Other Adjustments</b>	<b>Electric Distribution Amount Per Schedules</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E=B-C+D</b>	
1	Revenue - Sales of Electricity	\$295,321			\$295,321	1/
2	Other Revenue	\$699,597			\$699,597	
3	Total Revenue	\$994,918			\$994,918	
4	Operating Expenses:					
5	Purchased Power	\$337,430			\$337,430	
6	Transmission Wheeling	\$219,356			\$219,356	
7	Transmission Wheeling - IFA Credit	(\$160,108)	(\$160,108)		\$0	
8	Uncollectible Expense	\$9,416		\$1,109	\$10,525	
9	Genl & Admin. O&M	\$118,556	\$2,070		\$116,486	
10	All Other Operation & Maintenance ("O&M") expense	\$166,459	\$32,982	(\$1,671)	\$131,806	2/
11	Company Share of Earned Savings	\$0		\$3,250	\$3,250	3/
12	Depreciation	\$70,506	\$19,324	\$0	\$51,182	
13	Amort. - Loss on Reaq. Debt	\$487	\$68	(\$419)	(\$0)	
14	Amortization - Other	\$63			\$63	
15	Gross Earnings Tax	\$35,991			\$35,991	
16	Municipal Tax	\$49,717	\$19,152		\$30,565	
17	Other Non-Income taxes	\$4,728	\$519		\$4,209	
18	Current and Deferred Income Taxes	\$4,926		(\$4,926)	\$0	6/
19	Regulatory Debits	\$8			\$8	
20	Accretion Expense	(\$146)		\$146	\$0	
21	Amortization of ITC	(\$76)	(\$28)		(\$48)	
22	Interest on Customer Deposits	\$278			\$278	4/
23	Donations	\$782			\$782	4/
24	Total Operating Expenses	\$858,373	(\$86,021)	(\$2,512)	\$941,882	
25						
26	Net Operating Income	\$136,546				
27	Distribution Operating Income Before Taxes				\$53,036	
28	Adjustments:					
29	Service Quality ("SQ") Penalties Accrued				\$0	5/
30	C&LM Incentive				(\$4,696)	
31	RE Growth Remuneration				(\$24)	9/
32	LTCER Remuneration Costs				(\$1,651)	8/
33						
34	Adjusted Distribution Operating Income Before Taxes				\$46,665	
35	Interest Charges				\$17,402	6/
36	Income Taxes @ 35% (net of ITC)				\$10,628	7/
37						
38	Net Income				\$18,634	
39						
40	Less: Preferred Stock Requirements				\$70	6/
41	Earnings Available for Common				\$18,564	
42						
43	Average Common Equity - 5-Quarter Average				\$343,434	6/
44						
45	Rate of Return on Adjusted Average Common Equity				5.41%	

**Notes**

1/ Excludes excess earnings accrual of \$0 for the 12 month period.

2/ Excludes \$0, for storm related expenses as incurred \$0.987 million of sales expense was excluded

3/ Pursuant to Docket 4065 Settlement, and as continued in the Docket 4323 settlement, Company share of Earned Savings equals \$3250 annually, effective January 2010.

4/ Below the line items brought above the line for ratemaking.

5/ Effective Dec. 2005, SQ penalties booked below the line.

6/ Calculated using imputed capital structure and cost rates; see Page 1 at Lines 44, 43 and 32, respectively.

7/ Includes impact of flowthrough items from Page 1 at Line 59.

8/ Docket 4805 Schedule ASC-18 Pg 4 Col H

9/ Docket 4707 RE Growth Factor Filing Schedule ASC-3 Page 3 Line 14

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Rate Base - Electric Distribution**  
**Five Quarter Average**

Page 3 of 6

Line No.	Description	(a) December 2016	(b) March 2017	(c) June 2017	(d) September 2017	(e) December 2017	(f) 5-Quarter Average
1	Utility Plant in Service	\$ 1,490,507,033	\$ 1,525,211,443	\$ 1,529,038,072	\$ 1,538,982,120	\$ 1,540,193,364	\$ 1,524,786,406
2	IFA allocated Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Block Island Transmission System (BITS) Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Total Distribution Plant	\$ 1,490,507,033	\$ 1,525,211,443	\$ 1,529,038,072	\$ 1,538,982,120	\$ 1,540,193,364	\$ 1,524,786,406
5							
6	Property Held for Future Use	2,496,405	2,496,405	2,496,405	2,496,405	2,496,405	\$ 2,496,405
7	Less: Contribution in Aid of Construction	2,756	(518,630)	2,756	2,756	(222,216)	\$ (146,515)
8	Less: Accumulated Depreciation	654,105,202	662,588,139	652,283,601	671,251,623	666,908,851	\$ 661,427,483
9	Plus: IFA allocated Depreciation	-	-	-	-	-	\$ -
10	Plus: Block Island Transmission System (BITS) Depreciation	-	-	-	-	-	\$ -
11							
12	Net Plant in Service	\$ 838,895,480	\$ 865,638,338	\$ 879,248,120	\$ 870,224,147	\$ 876,003,134	\$ 866,001,844
13							
14	Plus:						
15	Materials and Supplies	\$ 4,525,831	\$ 5,510,606	\$ 3,632,412	\$ 3,182,470	\$ 3,695,981	\$ 4,109,460
16	Prepayments	1,444,668	1,054,315	(324,171)	1,245,274	1,522,484	\$ 988,514
17	Loss on Reacquired Debt	1,854,556	2,318,694	1,709,381	1,785,599	1,752,405	\$ 1,884,127
18	Cash Working Capital	4,975,475	4,975,475	4,975,475	4,975,475	4,975,475	\$ 4,975,475
19	Cash Working Capital - Commodity & Gross Receipts Tax	25,003,318	23,686,328	23,686,328	23,686,328	23,686,328	\$ 23,949,726
20	Unamortized Interest Rate Lock	2,439,092	2,346,659	2,254,226	2,161,793	2,069,360	\$ 2,254,226
21	Unamortized Debt Issuance Costs (\$550M)	1,113,997	1,089,529	1,065,062	1,040,594	1,016,126	\$ 1,065,062
22	Unamortized Debt Issuance Costs (\$250M 2012)	945,261	\$936,143	\$927,024	\$917,906	\$908,788	\$ 927,024
23							
24	Subtotal	\$ 42,302,198	\$ 41,917,749	\$ 37,925,736	\$ 38,995,438	\$ 39,626,947	\$ 40,153,614
25							
26	Less:						
27	Accumulated Deferred Federal Income Taxes ("FIT")	\$ 165,941,844	\$ 184,975,771	\$ 196,614,471	\$ 197,535,435	\$ 215,503,710	\$ 192,114,246
28	Accumulated Deferred FIT on Loss for Reacquired Debt	649,095	811,543	598,283	624,960	613,342	\$ 659,444
29	Customer Deposits	10,276,666	10,154,831	8,699,858	8,743,046	8,961,553	\$ 9,367,191
30	Injuries and Damages Reserve - Uninsured Claims	5,691,599	5,771,305	4,570,193	4,658,649	4,934,361	\$ 5,125,221
31							
32	Subtotal	\$ 182,559,203	\$ 201,713,450	\$ 210,482,805	\$ 211,562,090	\$ 230,012,966	\$ 207,266,103
33							
34	Rate Base	\$ 698,638,476	\$ 705,842,638	\$ 706,691,051	\$ 697,657,495	\$ 685,617,114	\$ 698,889,355

**Line Notes**

34 Line 12 + Line 24 - Line 32

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Rate Base - Integrated Facilities Agreement (IFA)**  
**Five Quarter Average**

Page 4 of 6

Line No.	Description	(a) December 2016	(b) March 2017	(c) June 2017	(d) September 2017	(e) December 2017	(f) 5-Quarter Average
1	Utility Plant in Service	\$ 827,089,826	\$ 835,451,297	\$ 837,552,450	\$ 835,369,555	\$ 840,536,616	\$ 835,199,949
2	IFA allocated Plant	\$ 8,992,857	\$ 7,414,569	\$ 7,628,415	\$ 5,393,094	\$ 5,484,673	\$ 6,982,722
3	Block Island Transmission System (BITS) Assets	\$ 89,307,077	\$ 100,770,097	\$ 103,499,792	\$ 111,357,580	\$ 111,730,437	\$ 103,332,997
4	Total Transmission Plant	\$ 925,389,760	\$ 943,635,963	\$ 948,680,657	\$ 952,120,229	\$ 957,751,726	\$ 945,515,667
5							
6							
7	Property Held for Future Use	12,531,903	12,531,903	12,531,903	12,531,903	12,531,903	\$ 12,531,903
8	Less: Contribution in Aid of Construction						
9	Less: Accumulated Depreciation	92,361,272	97,279,994	100,336,957	104,198,259	106,968,106	\$ 100,228,918
10	Plus: IFA allocated Depreciation	4,005,114	1,702,947	2,370,742	1,686,009	1,722,878	\$ 2,297,538
11	Plus: Block Island Transmission System (BITS) Depreciation	39,143	181,531	191,906	207,312	208,038	\$ 165,586
12	Total Accumulated Depreciation	96,405,529	99,164,472	102,899,605	106,091,579	108,899,022	\$ 102,692,042
13							
14	Net Plant in Service	\$ 841,516,133	\$ 857,003,394	\$ 858,312,955	\$ 858,560,552	\$ 861,384,607	\$ 855,355,528
15							
16	Plus:						
17	Materials and Supplies	\$ 2,720,358	\$ 1,338,323	\$ 2,684,191	\$ 2,183,945	\$ 2,708,039	\$ 2,326,971
18	Prepayments	836,202	256,054	475,210	700,079	860,846	\$ 625,678
19	Loss on Reacquired Debt	1,073,453	563,126	1,126,251	1,003,844	990,849	\$ 951,504
20	Cash Working Capital	2,681,655	3,194,316	2,514,043	1,879,414	3,161,077	\$ 2,686,101
21	Unamortized Interest Rate Lock	1,509,520	1,452,316	1,395,112	1,337,908	1,280,704	\$ 1,395,112
22	Unamortized Debt Issuance Costs (\$550M)	785,818	674,289	659,146	698,225	677,568	\$ 699,009
23	Unamortized Debt Issuance Costs (\$250M 2012)	630,149	579,361	573,718	568,075	562,432	\$ 582,747
24							
25	Subtotal	\$ 10,237,155	\$ 8,057,785	\$ 9,427,672	\$ 8,371,489	\$ 10,241,514	\$ 9,267,123
26							
27	Less:						
28	Accumulated Deferred FIT	\$ 158,841,895	\$ 168,039,168	\$ 159,376,348	\$ 163,124,188	\$ 139,364,226	\$ 157,749,165
29	Accumulated Deferred FIT on Loss on Reacquired Debt	375,709	197,094	394,188	351,345	346,797	\$ 333,027
30	Customer Deposits	-	-	-	-	-	\$ -
31	Injuries and Damages Reserve - Uninsured Claims	-	-	-	-	-	\$ -
32							
33	Subtotal	\$ 159,217,604	\$ 168,236,262	\$ 159,770,536	\$ 163,475,534	\$ 139,711,023	\$ 158,082,192
34							
35	Rate Base	\$ 692,535,685	\$ 696,824,918	\$ 707,970,090	\$ 703,456,508	\$ 731,915,098	\$ 706,540,460

**Line Notes**

35 Line 14 + Line 24 - Line 33

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Rate Base - Electric Total Distribution and IFA**  
**Five Quarter Average**

Page 5 of 6

Line No.	Description	(a) December 2016	(b) March 2017	(c) June 2017	(d) September 2017	(e) December 2017	(f) 5-Quarter Average
1	Utility Plant in Service	\$ 2,317,596,859	\$ 2,360,662,739	\$ 2,366,590,522	\$ 2,374,351,675	\$ 2,380,729,980	\$ 2,359,986,355
2	IFA allocated Plant	\$ 8,992,857	\$ 7,414,569	\$ 7,628,415	\$ 5,393,094	\$ 5,484,673	\$ 6,982,722
3	Block Island Transmission Assets (BITS)	\$ 89,307,077	\$ 100,770,097	\$ 103,499,792	\$ 111,357,580	\$ 111,730,437	\$ 103,332,997
4	Total Utility Plant in Service	<u>\$ 2,415,896,793</u>	<u>\$ 2,468,847,406</u>	<u>\$ 2,477,718,729</u>	<u>\$ 2,491,102,349</u>	<u>\$ 2,497,945,090</u>	<u>\$ 2,470,302,073</u>
5							
6							
7	Property Held for Future Use	15,028,308	15,028,308	15,028,308	15,028,308	15,028,308	\$ 15,028,308
8	Less: Contribution in Aid of Construction	2,756	(518,630)	2,756	2,756	(222,216)	\$ (146,515)
9	Less: Accumulated Depreciation	746,466,474	759,868,133	752,620,557	775,449,882	773,876,957	\$ 761,656,401
10	Less: IFA allocated Depreciation	4,005,114	1,702,947	2,370,742	1,686,009	1,722,878	\$ 2,297,538
11	Less: Block Island Transmission System (BITS) Depreciation	39,143	181,531	191,906	207,312	208,038	\$ 165,586
12	Net Plant in Service	<u>\$ 1,680,411,614</u>	<u>\$ 1,722,641,733</u>	<u>\$ 1,737,561,075</u>	<u>\$ 1,728,784,699</u>	<u>\$ 1,737,387,741</u>	<u>\$ 1,721,357,372</u>
13							
14	Plus:						
15	Materials and Supplies	\$ 7,246,188	\$ 6,848,929	\$ 6,316,603	\$ 5,366,415	\$ 6,404,020	\$ 6,436,431
16	Prepayments	2,280,870	1,310,370	151,039	1,945,353	2,383,330	1,614,192
17	Loss on Reacquired Debt	2,928,009	2,881,820	2,835,632	2,789,443	2,743,254	2,835,632
18							
19	Cash Working Capital	7,657,130	8,169,791	7,489,518	6,854,889	8,136,552	7,661,576
20	Cash Working Capital - Commodity & Gross Receipts Tax	25,003,318	23,686,328	23,686,328	23,686,328	23,686,328	23,949,726
21	Unamortized Interest Rate Lock	3,948,612	3,798,975	3,649,338	3,499,701	3,350,064	3,649,338
22	Unamortized Debt Issuance Costs (\$550M)	1,899,815	1,763,818	1,724,208	1,738,818	1,693,694	1,764,071
23	Unamortized Debt Issuance Costs (\$250M 2012)	1,575,410	1,515,504	1,500,743	1,485,981	1,471,220	1,509,772
24							
25	Subtotal	<u>\$ 52,539,353</u>	<u>\$ 49,975,534</u>	<u>\$ 47,353,408</u>	<u>\$ 47,366,927</u>	<u>\$ 49,868,461</u>	<u>\$ 49,420,737</u>
26							
27	Less:						
28	Accumulated Deferred FIT	\$ 324,783,739	\$ 353,014,939	\$ 355,990,819	\$ 360,659,623	\$ 354,867,936	\$ 349,863,411
29	Accumulated Deferred FIT on Loss for Reacquired Debt	1,024,803	1,008,637	992,471	976,305	960,139	\$ 992,471
30	Customer deposits	\$10,276,666	\$10,154,831	\$8,699,858	\$8,743,046	\$8,961,553	\$ 9,367,191
31	Injuries and Damages Reserve - Uninsured Claims	\$5,691,599	\$5,771,305	\$4,570,193	\$4,658,649	\$4,934,361	\$ 5,125,221
32							
33	Subtotal	<u>\$ 341,776,807</u>	<u>\$ 369,949,711</u>	<u>\$ 370,253,341</u>	<u>\$ 375,037,623</u>	<u>\$ 369,723,989</u>	<u>\$ 365,348,294</u>
34							
35	Rate Base	<u><u>\$ 1,391,174,160</u></u>	<u><u>\$ 1,402,667,556</u></u>	<u><u>\$ 1,414,661,141</u></u>	<u><u>\$ 1,401,114,003</u></u>	<u><u>\$ 1,417,532,213</u></u>	<u><u>\$ 1,405,429,814</u></u>

**Line Notes**

35 Line 12 + Line 25 - Line 33

**THE NARRAGANSETT ELECTRIC COMPANY**  
**Calculation of Excess Earnings for Twelve months ended December 31, 2017**  
(\$000)

Line

1	Actual Distribution Earnings Available for Common	\$18,564 (a)			
2					
3					
4	Actual Average Common Equity	\$343,434 (a)			
5					
6					
7	Average Annual Return	<u>5.41%</u> (b)			Customer Share
8					
9	ROE in 50%/50% Bandwith (>9.50%, <10.50%)	0.00% * 50.00%	=		0.00%
10	ROE in 75%/25% Bandwith (>10.50%)	0.00% * 75.00%	=		0.00%
11					
12	Total Customer ROE Sharing				0.00%
13	Actual Average Common Equity				<u>\$343,434</u>
14					
15	Actual Annual Customer Shared Earnings				\$0
16	Tax Gross-up				<u>/ 65.00%</u>
17					
18	Annual Customer Shared Earnings - Pre-tax				-
19					
20	Total Customer Shared Earnings for the twelve months ending December 31, 2017				<u>\$ -</u>

Notes

- (a) From Page 2 of 6, Line 39 and Line 41.  
(b) Line 1 divided by Line 4 ; equals Page 2 of 6 at Line 43.

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



Joanne M. Scanlon

September 4, 2020  
Date

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

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