

NSTAR Electric Company

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Via eFiling

May 28, 2021

Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: *NSTAR Electric Company*
Annual Informational Filing; Docket No. ER07-549-000/ER09-1243-000

Dear Secretary Bose:

NSTAR Electric Company (“NSTAR” or the “Company”) files herewith its Annual Informational Filing containing the true-up of billings under Schedule 21-NSTAR¹ to Schedule II of the ISO New England Inc. Transmission, Markets and Services Tariff, FERC Electric Tariff for the time period January 1, 2020 through December 31, 2020.

This Annual Informational Filing is filed to comply with (i) the requirements of Section 4 and Attachment D of Schedule 21-NSTAR, and (ii) the provisions of a Settlement Agreement approved by the Commission on June 19, 2008 (“2008 Settlement”).² Pursuant to the terms of Schedule 21-NSTAR and the 2008 Settlement, billings to customers in 2020 were based on the use of estimated costs in the formula rates. The enclosed true-ups reflect those same billings based on actual costs for 2020 in the formula rates, now that those costs are known. NSTAR notes that given the D.C. Circuit Court’s April 2017 order³ issued in *Emera Maine v. FERC* regarding the lawful return on equity component of the formula rates of the New England Transmission Owners, including NSTAR, the true-up of billings presented herein may be adjusted once the Commission issues final rulings in response to the remand from the Court.

¹ Pursuant to Schedule 21-NSTAR, all references to NSTAR in this Filing shall mean NSTAR (East), denoting NSTAR Electric Company’s eastern Massachusetts geographic region, and specifically shall exclude NSTAR (West), its western Massachusetts geographic region formerly owned by Western Massachusetts Electric Company.

² *NSTAR Electric Company*, 123 FERC ¶ 61,270 (2008). Pursuant to a new Settlement Agreement and related filings approved by the Commission in Docket Nos. ER20-2054-000 and ER20-2054-001, Schedule 21-NSTAR will no longer be an effective tariff record and the requirement to file the Annual Informational Filing will cease as of January 1, 2022. *ISO New England, et al.*, 173 FERC ¶ 61,270 (2020) and delegated letter order in Docket No. ER20-2054-001, dated February 24, 2021. As such, the instant filing is the last Annual Informational Filing pursuant to Schedule 21-NSTAR.

³ *Emera Maine v. FERC*, 854 F.3d 9 (D.C. Cir. 2017).

Ms. Bose, Secretary

May 28, 2021

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In addition to a complete PDF file of the Annual Informational Filing, NSTAR is including formula rate templates in their native Microsoft Excel spreadsheets in accordance with Staff's Guidance on Formula Rate Updates issued on July 17, 2014.

NSTAR will complete the Annual Informational Filing when it files its "CWIP Supplement" on or before June 30, 2021 in accordance with Sections 4.1(i) and (ix) of Schedule 21-NSTAR and Article 4.2 of the 2008 Settlement. Except for the CWIP Supplement, the Annual Informational Filing contained herein fully complies with the requirements of Schedule 21-NSTAR and the 2008 Settlement. As such, NSTAR respectfully requests that the Commission accept the Annual Informational Filing for informational purposes.

NSTAR thanks the Commission for its consideration of this filing. In the event that additional information is required, please contact the undersigned.

Very truly yours,

/s/ Mary E. Grover

Mary E. Grover
Attorney for NSTAR Electric Company

Enclosure

NSTAR Electric Company (East)

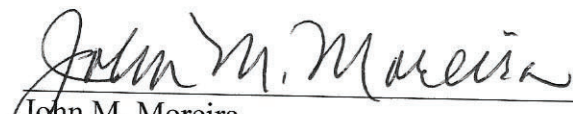
Supplemental Workpapers

2020

1. Attestation.....Page 2
2. Calculation of the Annual Local Network Service (LNS) Revenue Requirement (Schedule 21) for cost year 2020.....Page 3
3. Calculation of the Regional Network Service (RNS) Revenue Requirement per ISO-NE Schedule 9 for cost year 2020 (flows into LNS Revenue Requirement, Sheet 5, lines 77 to 80).....Page 16
4. Calculation of the Scheduling & Dispatch (S&D) Revenue Requirement per ISO-NE Schedule 1 for cost year 2020 (flows into LNS Revenue Requirement, Sheet 5, lines 84 to 87).....Page 26
5. Supporting Documentation for Construction Work In Progress.....Page 34
6. 2020 True-up Schedules with Interest Calculation.....Page 38
7. Summary of PBOP Costs & Actuary Report.....Page 43

ATTESTATION

I, John M. Moreira, hereby attest that to the best of my knowledge, information and belief the data employed in the Annual True-up contained herein for NSTAR Electric Company (East) (the "Company"), reflect the Company's per book costs for 2020, conform to the Company's 2020 FERC Form 1 Report except as noted herein, conform in all material respects to the FERC Uniform System of Accounts, and have been developed in accordance with the provisions of Schedule 21-NSTAR of Section II of the ISO New England Inc. Transmission, Markets and Services Tariff, and the Settlement Agreement approved by the Federal Energy Regulatory Commission in Docket Nos. ER07-549-000, ER07-549-001, EC06-126-002, EC06-126-003, and EL07-71-000.



John M. Moreira
Senior Vice President, Finance and Regulatory and
Treasurer

May 28, 2021

NSTAR Electric Company (East)

2020 LNS Revenue Requirements

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
 Service Year Ended December 31, 2020
 Summary Sheet

1	Total LNS Revenue Requirement	\$ 111,972,042	Sheet 1, Line 35, Col (c)
2	Total Retail LNS Revenue Requirement	\$ 110,139,431	Sheet 1, Line 42, Col (c)
3	Average 12 CP		
4	Sum of Monthly Peaks (kW)	48,371,000	FF1 page 400.1(b) thru 400.16(b) *1000
5	Average Peak	4,030,917	Line 4 / 12
6	Annual Rate per kW	\$ 27.7783	Line 1 / Line 5
7	Monthly Rate per kW	\$ 2.3149	Line 6 / 12
8	Weekly Rate per kW	\$ 0.5342	Line 6 / 52
9	Daily Rate per kW	\$ 0.0761	Line 6 / 365
10	Hourly Rate per kW	\$ 0.0032	Line 6 / 8760

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Sheet 1

Line	(a) Description	(b) Section	(c) Amount	(d) Reference
1	Investment Base	II.A.1		
2	Transmission Plant	II.A.1.a	\$ 3,128,427,502	Sheet 3, Line 1, Col (f)
3	Transmission Related Intangible & General Plant	II.A.1.b	58,709,883	Sheet 3, Line 4, Col (f)
4	Transmission Plant Held for Future Use	II.A.1.c	27,049,274	Sheet 3, Line 5, Col (f)
5	Transmission Related Construction Work in Progress	II.A.1.d	130,089,121	Sheet 3, Line 6, Col (f)
6	Total Plant		<u>3,344,275,780</u>	Sum Lines 2 thru 5
7	Transmission Related Depreciation and Amortization Reserve	II.A.1.e	(771,651,227)	Sheet 3, Line 12, Col (f)
8	Transmission Related Accumulated Deferred Taxes	II.A.1.f	(285,478,600)	Sheet 3, Line 20, Col (f)
9	AFUDC Regulatory Liability	II.A.1.g	(24,232,677)	Sheet 3, Line 21, Col (f)
10	Total Net Plant		<u>2,262,913,276</u>	Sum Lines 6 thru 9
11	Transmission Related Gain/Loss on Reacquired Debt	II.A.1.h	3,058,989	Sheet 3, Line 22, Col (f)
12	Other Transmission Related Regulatory Assets/Liabilities	II.A.1.i	(212,824,344)	Sheet 3, Line 28, Col (f)
13	Transmission Prepayments	II.A.1.j	66,334,681	Sheet 3, Line 29, Col (f)
14	Transmission Materials & Supplies	II.A.1.k	11,697,794	Sheet 3, Line 30, Col (f)
15	Transmission Related Cash Working Capital	II.A.1.l	7,402,797	Sheet 3, Line 35, Col (f)
16	Total Investment Base		<u>\$ 2,138,583,193</u>	Sum Lines 10 thru 15
17	Revenue Requirement			
18	Investment Return and Income Taxes	II.A.2	\$ 207,346,333	Sheet 2, Line 39, Col (c)
19	Transmission Depreciation and Amortization Expense	II.B	71,245,123	Sheet 4, Line 7, Col (f)
20	Amortization of Gain/Loss on Reacquired Debt	II.C	201,139	Sheet 4, Line 8, Col (f)
21	Transmission Related Amort. of Investment Tax Credits	II.D	(507,448)	Sheet 4, Line 9, Col (f)
22	Transmission Related Municipal Tax Expense	II.E	47,421,839	Sheet 4, Line 10, Col (f)
23	Transmission Related Payroll Tax Expense	II.F	572,549	Sheet 4, Line 11, Col (f)
24	Transmission Operation & Maintenance Expense	II.G	37,688,856	Sheet 4, Line 29, Col (f)
25	Transmission Related Administrative and General Expense	II.H	16,830,311	Sheet 4, Line 40, Col (f)
26	Transmission Related Integrated Facilities Charges	II.I	-	Sheet 5, Line 6, Col (d)
27	Transmission Support Revenues	II.J	(3,438,085)	Sheet 5, Line 52, Col (d)
28	Transmission Support Expense	II.K	4,703,205	Sheet 5, Line 64, Col (d)
29	Transmission Related Expense from Generators	II.L	-	Sheet 5, Line 67, Col (d)
30	Transmission Rents Received from Electric Property	II.M	(4,654,045)	Sheet 5, Line 73, Col (d)
31	Short-Term and Non-Firm P-T-P Service Revenues	II.N	-	Sheet 5, Line 76, Col (d)
32	Regional Network Services (RNS) Revenues	II.O	(259,597,545)	Sheet 5, Line 80, Col (d)
33	Through or Out Revenues	II.P	(269,328)	Sheet 5, Line 83, Col (d)
34	ISO-NE Scheduling and Dispatch Revenues	II.Q	(5,570,862)	Sheet 5, Line 87, Col (d)
35	Total LNS Revenue Requirement		<u>\$ 111,972,042</u>	Sum Lines 18 thru 34
36	Wholesale LNS Revenues Received:			
37	Massachusetts Bay Transportation Authority		(593,903)	Sheet 5, Line 46, Col (c)
38	Concord Municipal Light - LNS		(90,440)	Sheet 5, Line 47, Col (c)
39	Massachusetts Port Authority		(726,700)	Sheet 5, Line 48, Col (c)
40	National Grid - Nantucket Cable		(421,568)	Sheet 5, Line 49, Col (c)
41	Total Wholesale LNS Revenue		<u>\$ (1,832,611)</u>	Sum Lines 37 thru 40
42	Total Retail LNS Revenue Requirement		<u>\$ 110,139,431</u>	Line 35 + Line 41
43	Average 12 CP			
44	Sum of Monthly Peaks (kW)		48,371,000	FF1 page 400.1(b) thru 400.16(b) *1000
45	Average Peak		4,030,917	Line 44 / 12
46	Annual Rate per kW	\$	27.7783	Line 35 / Line 45
47	Monthly Rate per kW	\$	2.3149	Line 46 / 12
48	Weekly Rate per kW	\$	0.5342	Line 46 / 52
49	Daily Rate per kW	\$	0.0761	Line 46 / 365
50	Hourly Rate per kW	\$	0.0032	Line 46 / 8760

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Investment Return and Income Taxes
Sheet 2

Line	(a) Description	(b) Tariff Section	(c) Balance	(d) Capitalization Ratio	(e) Cost	(f) Weighted Cost	(g) Equity Cost	(h) Reference
1	Weighted Cost of Capital	II.A.2.a						
2	Long Term Debt	II.A.2.a.i	\$ 3,033,335,899	44.43%	3.74%	1.66%		FF1 page 112.24(c) FN
3	Preferred Stock	II.A.2.a.ii	43,000,000	0.63%	4.56%	0.03%	0.03%	FF1 page 112.3(c) FN
4	Common Equity	II.A.2.a.iii	3,751,206,129	54.94%	10.57%	5.81%	5.81%	FF1 page 112.16(c) FN - FF1 page 112.3(c) FN
5	Total		\$ 6,827,542,028			7.50%	5.84%	Sum Lines 2 thru 4
ROE per ISO New England Inc. Transmission, Markets and Services Tariff, Schedule 21-NSTAR Attachment D, Section II.A.2.(a)(iii), page 62 https://www.iso-ne.com/static-assets/documents/regulatory/tariff/sect_2/sch21/sch_21_nstar.pdf								
6	Investment Return	II.A.2						
7	Total Investment Base		\$ 2,138,583,193					Sheet 1, Line 16, Col (c)
8	Weighted Cost of Capital		7.50%					Line 5, Col (f)
9	Total Return on Investment		\$ 160,393,739					Line 7 * Line 8
10	Federal Income Tax	II.A.2.b						
11	A = Equity Cost		5.84%					Line 5, Col (g)
12	B = Transmission Amortization of ITC		\$ (507,448)					Sheet 1, Line 21, Col (c)
13	C = Equity AFUDC		520,460					FF1 page 336.7(b) FN + FF1 page 336.10(b) FN
14	Total B + C		13,012					Line 12 + Line 13
15	D = Investment Base		2,138,583,193					Line 7
16	(B + C) / D		0.0006%					Line 14 / Line 15
17	(A + [(C + B) / D])		5.8406%					Line 11 + Line 16
18	FT = Federal Income Tax Rate		21.00%					Federal corporate tax rate
19	1 - FT		79.00%					1 - Line 18
20	Federal Tax Factor		1.5526%					Line 17 * Line 18 / Line 19
21	Total Federal Income Taxes		\$ 33,203,643					Line 15 * Line 20
22	State Income Tax	II.A.2.c						
23	A = Equity Cost		5.84%					Line 5, Col (g)
24	B = Transmission Amortization of ITC		\$ (507,448)					Sheet 1, Line 21, Col (c)
25	C = Equity AFUDC		520,460					FF1 page 336.7(b) FN + FF1 page 336.10(b) FN
26	Total B + C		13,012					Line 24 + Line 25
27	D = Investment Base		2,138,583,193					Line 7
28	(B + C) / D		0.0006%					Line 26 / Line 27
29	(A + [(C + B) / D])		5.8406%					Line 23 + Line 28
30	ST = State Income Tax Rate		8.00%					Massachusetts corporate tax rate
31	1 - ST		92.00%					1 - Line 30
32	Federal Tax Factor		1.5526%					Line 20
33	State Tax Factor		0.6429%					(Line 29 + Line 32) * Line 30 / Line 31
34	Total State Income Taxes		\$ 13,748,951					Line 27 * Line 33
35	Investment Return and Income Taxes	II.A.2						
36	Return on Investment		\$ 160,393,739					Line 9
37	Federal Income Taxes		33,203,643					Line 21
38	State Income Taxes		13,748,951					Line 34
39	Total Return and Income Taxes		\$ 207,346,333					Sum Lines 36 thru 38

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Investment Base
Sheet 3

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocator	(e) Factor	(f) LNS Amount	(g) Reference
1	Transmission Plant	II.A.1.a	\$ 3,128,427,502	Direct	100.0000%	\$ 3,128,427,502	FF1 page 204.58(g) FN
2	General Plant		395,591,962	W&S	13.1920%	52,186,492	FF1 page 204.99(g) FN
3	Intangible Plant		49,449,600	W&S	13.1920%	6,523,391	FF1 page 204.4(g) FN
4	Total Intangible & General Plant (Line 2 + Line 3)	II.A.1.b				<u>58,709,883</u>	
5	Transmission Plant Held for Future Use	II.A.1.c	<u>27,049,274</u>	Direct	100.0000%	<u>27,049,274</u>	FF1 page 214.31(a)
6	Transmission Related CWIP	II.A.1.d	<u>260,178,241</u>	CWIP	50.0000%	<u>130,089,121</u>	FF1 page 216.1.40(b) through 216.1.42(b) + FF1 page 216.2.1(b) through 8(b) + 12(b) + 14(b) through 23(b) + 25(b) + 27(b) through 30(b)
7	Transmission Related Depreciation & Amortization Reserve	II.A.1.e					
8	Transmission Accumulated Depreciation		(752,723,474)	Direct	100.0000%	(752,723,474)	FF1 page 219.25(c) FN
9	General Plant Accumulated Depreciation		(102,555,284)	W&S	13.1920%	(13,529,093)	FF1 page 219.28(c) FN
10	General Plant Accumulated Amortization		(8,507,372)	W&S	13.1920%	(1,122,293)	FF1 page 200.21(c) FN
11	Intangible Plant Accumulated Amortization		(32,416,366)	W&S	13.1920%	(4,276,367)	FF1 page 200.21(c) FN
12	Total Transmission Related Depreciation & Amortization Reserve (Sum Lines 8 thru 11)		<u>(896,202,496)</u>			<u>(771,651,227)</u>	
13	Transmission Accumulated Deferred Taxes	II.A.1.f					
14	Accumulated Deferred Taxes (190)		311,734,222		24.1312%	75,225,336	Sheet 8, Line 19, col (D)
15	Accumulated Deferred Income Taxes (281)		-			-	FF1 page 272.17(k) FN
16	Accumulated Deferred Taxes - Property (282)		(1,035,974,366)				FF1 page 274.9(k) FN
17	Less: Transition Property		-				FF1 page 274.4(k) FN
18	Net Acc. Def. Income Taxes - Other Property (282) (Line 16 + Line 17)		(1,035,974,366)	Plant	33.1558%	(343,485,589)	
19	Accumulated Deferred Income Taxes - Other (283)		(405,568,464)		4.2455%	(17,218,347)	Sheet 8, Line 37, col (D)
20	Total Transmission Accumulated Deferred Taxes (Line 14 + Line 15 + Line 18 + Line 19)					<u>(285,478,600)</u>	
21	AFUDC Regulatory Liability	II.A.1.g	<u>(24,232,677)</u>	Direct	100.0000%	<u>(24,232,677)</u>	FF1 page 278.6(f) FN
22	Transmission Related Gain/Loss on Reacquired Debt	II.A.1.h	<u>9,226,106</u>	Plant	33.1558%	<u>3,058,989</u>	FF1 page 110.81(c) FN + FF1 page 112.61(c)
23	Other Regulatory Assets	II.A.1.i					
24	FAS 106 (182.3 & 254)		-	W&S	13.1920%	-	FF1 Page 232
25	ASC 740 Asset (182.3 - FAS 109)		88,933,989	Plant	33.1558%	29,486,776	FF1 page 232.22(f) FN
26	Less ASC 740 Liability (254 - FAS 109)		(242,311,120)	Direct	100.0000%	(242,311,120)	FF1 page 278.1(f) FN
27	Net ASC 740 (182.3 & 254 - FAS 109) (Line 25 + Line 26)		<u>(153,377,131)</u>			<u>(212,824,344)</u>	
28	Total Other Regulatory Assets (Line 24 + Line 27)		<u>(153,377,131)</u>			<u>(212,824,344)</u>	
29	Transmission Prepayments	II.A.1.j	<u>502,840,214</u>	W&S	13.1920%	<u>66,334,681</u>	FF1 page 110.57(c) FN + FF1 page 232.29(f) FN
30	Transmission Materials & Supplies	II.A.1.k	<u>11,697,794</u>	Direct	100.0000%	<u>11,697,794</u>	FF1 page 227.5(c) FN + 227.8(c) FN
31	Cash Working Capital	II.A.1.l					
32	Operation & Maintenance Expense		37,688,856	WC	12.5000%	4,711,107	Sheet 1, Line 24, col (c)
33	Administrative & General Expense		16,830,311	WC	12.5000%	2,103,789	Sheet 1, Line 25, col (c)
34	Transmission Support Expenses		<u>4,703,205</u>	WC	12.5000%	<u>587,901</u>	Sheet 1, Line 28, col (c)
35	Total Cash Working Capital		<u>59,222,372</u>			<u>7,402,797</u>	Sum Lines 32 thru 34
36	Description	Allocation Factor	Reference				
37	Direct Allocation (Direct)	100.0000%					
38	Wages & Salary (W&S)	13.1920%	Sheet 6, Line 6(c)				
39	Plant Allocation (Plant)	33.1558%	Sheet 6, Line 14(c)				
40	Construction Work in Progress Allocation (CWIP)	50.0000%	Sheet 6, Line 15(c)				
41	Cash Working Capital (WC)	12.50%	Tariff Section II.A.1.l				

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Transmission Expenses
Sheet 4

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocator	(e) Factor	(f) LNS Amount	(g) Reference
1	Transmission Depreciation and Amortization Expense	II.B					
2	Transmission Depreciation Expense	II.B.i	\$ 68,896,214	Direct	100.0000%	\$ 68,896,214	FF1 page 336.7(b) FN
3	General Plant Depreciation and Amortization	II.B.ii	20,054,237	W&S	13.1920%	2,645,555	FF1 page 336.10(b) FN + 336.10(d) FN
4	Amortization of Transmission Related Intangible Plant		1,985,101	W&S	13.1920%	261,875	FF1 page 336.1(d) FN
5	Amortization of AFUDC Regulatory Credit		(558,521)	Direct	100.0000%	(558,521)	FF1 page 114.13(c) FN
6	Net Amortization of Transmission Related Intangible Plant (Line 4 + Line 5)		\$ 1,426,580			\$ (296,646)	
7	Total Transmission Depreciation and Amortization Expense (Line 2 + Line 3 + Line 6)		\$ 90,377,031			\$ 71,245,123	
8	Amortization of Gain/Loss on Reacquired Debt	II.C	\$ 606,648	Plant	33.1558%	201,139	FF1 page 114.64(c) FN + FF1 page 114.66(c) FN
9	Transmission Related Amortization of ITC	II.D	\$ (1,530,495)	Plant	33.1558%	(507,448)	FF1 page 114.19(c) FN
10	Transmission Related Municipal Tax Expense	II.E	\$ 143,027,280	Plant	33.1558%	47,421,839	FF1 page 262.30(i) FN
							FF1 page 262 In. 4(i) +6(i) +9(i) +14(i) +19(i) +21(i) +25(i) +34(i) +38(i) + FF1 page 262.1 In. 3(i) +7(i)
11	Transmission Related Payroll Tax Expense	II.F	\$ 4,340,122	W&S	13.1920%	572,549	+12(i) +16(i) +17(i)
12	Transmission Operation and Maintenance Expense	II.G					
13	Operation Supervision & Engineering (560)		\$ 5,965,957	Direct	100.0000%	5,965,957	FF1 page 320.99(b) FN
14	Load Dispatch - Reliability (561.1)		1,374,064	Internal Costs		1,374,064	FF1 page 320.85(b) FN
15	Load Dispatch-Monitor and Operate Transmission System (561.2)		1,368,837	Internal Costs		1,368,837	FF1 page 320.86(b) FN
16	Load Dispatch-Transmission Service and Scheduling (561.3)		626,760	Internal Costs		626,760	FF1 page 320.87(b) FN
17	Scheduling, System Control and Dispatch Services (561.4) - Note 2	II.G.ii	12,083,228	External Costs		-	FF1 page 320.88(b) FN
18	Reliability, Planning and Standards Development (561.5)		1,594,039	Internal Costs		1,264,958	FF1 page 320.89(b) FN
19	Transmission Service Studies (561.6)		537,411	Internal Costs		537,411	FF1 page 320.90(b) FN
20	Generation Interconnection Studies (561.7)		-	Internal Costs		-	FF1 page 320.91(b) FN
21	Reliability, Planning and Standards Development Services (561.8) - Note 2	II.G.ii	19,639	External Costs		-	FF1 page 320.92(b) FN
22	Station Expenses (562)		3,126,336	Direct	100.0000%	3,126,336	FF1 page 320.99(b) FN
23	Overhead Lines Expenses (563)		1,516,468	Direct	100.0000%	1,516,468	FF1 page 320.99(b) FN
24	Underground Lines Expenses (564)		(248,026)	Direct	100.0000%	(248,026)	FF1 page 320.99(b) FN
25	Miscellaneous Transmission Expenses (566)		3,298,138	Direct	100.0000%	3,298,138	FF1 page 320.99(b) FN
26	Rents (567)		40,421	Direct	100.0000%	40,421	Sheet 5, Line 3, col (d)
27	Transmission Maintenance (568 - 573)		18,817,532	Direct	100.0000%	18,817,532	FF1 page 320.111(b) FN
28	Regional Market Expense (575-576) - Note 2	II.G.ii	270,751	External Costs		-	FF1 page 320.121(b) FN
29	Total Transmission O&M Expense (Sum Lines 13 thru 28)	II.G	\$ 50,391,555			\$ 37,688,856	
30	Transmission Related A&G Expenses	II.H					
31	Administrative and General Expenses	I.B	\$ 119,880,774				FF1 page 320.197(b) FN
32	Property Insurance (924)		(918,595)				FF1 page 320.197(b) FN
33	Employee Pensions and Benefits (926)		19,790,888				FF1 page 320.197(b) FN
34	Regulatory Commission Expenses (928)		(14,460,991)				FF1 page 320.197(b) FN
35	General Advertising Expenses (930.1)		(179,180)				FF1 page 320.197(b) FN
36	Transmission Related A&G Expense Subtotal (Sum Lines 31 thru 35)	II.H.1	124,112,916	W&S	13.1920%	16,372,976	
37	Property Insurance (924)	II.H.2	918,595	Plant	33.1558%	304,568	Line 32
38	Employee Pensions and Benefits (926) - Note 1	II.H.1	(19,790,888)	W&S	13.1920%	(2,610,814)	Line 33
39	Regulatory Commission Expenses (928)	II.H.3	14,460,991	Footnote	19.1106%	2,763,581	Line 34
40	Total Transmission Related A&G Expenses (Sum Lines 36 thru 39)	II.H	\$ 119,701,614			\$ 16,830,311	
41	Regulatory Commission Expenses (928)	II.H.3					
42	Assessment Charged by the Massachusetts Department of Public Utilities		\$ 9,811,455			\$ -	FF1 page 350.3(d)
43	Proportionate share of expenses of FERC Assessment Order No. 472		1,898,735	Direct	100.0000%	1,898,735	FF1 page 350.7(d)
44	Rate cases and various other regulatory proceedings before FERC		864,846	Direct	100.0000%	864,846	FF1 page 350.10(d)
45	Rate cases and various other regulatory proceedings before State of MA - Distribution		1,885,956			-	FF1 page 350.14(d)
46	Total Regulatory Commission Expenses (Sum Lines 42 thru 45)	II.H.3	\$ 14,460,992		19.1106%	\$ 2,763,581	
47	Description	Allocation Factor	Reference				
48	Direct Allocation (Direct)	100.0000%					
49	Wages & Salaries Allocation (W&S)	13.1920%	Sheet 6, Line 6(c)				
50	Plant Allocation (Plant)	33.1558%	Sheet 6, Line 14(c)				
51	Note 1						
52	Included in the Employee Pension and Benefits Expenses are costs related to Post Retirement Benefits other than Pension (PBOP). PBOP costs are determined by an independent actuary as required by ASC 715. The Net PBOP expense included in Account 926 for 2020 was (\$15,833,000) compared to (\$13,138,000) in 2019 as shown on the FF1, page 323, footnote.						
53	Applying the labor allocator to the Net PBOP expense results in (\$2,088,689) of PBOP expense being recovered through the LNS Tariff in 2020 as compared to (\$1,698,940) in 2019.						
		2020	2019				
55	PBOP	\$ (40,382,000)	\$ (33,432,000)	FF1 page 320.187(b) FN			
56	Capitalized PBOP & Other impact adjustment	24,549,000	20,294,000	FF1 page 320.187(b) FN			
57	Net PBOP in account 926	\$ (15,833,000)	\$ (13,138,000)	Line 55 + Line 56			
58	Wages & Salaries Allocation (W&S)	13.1920%	12.9315%	Sheet 6, Line 6(c)			
59	LNS portion of PBOP	\$ (2,088,689)	\$ (1,698,940)	Line 57 x Line 58			

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Support Expense & Revenue Detail
Sheet 5

Line	(a) Description	(b) Tariff Section	(c) Amount	(d) Includable Amount	(e) Reference
1	Transmission Rents (Account 567)	II.G			
2	Transmission Rents		40,421	40,421	FF1 page 320.98(b) FN
3	Total Transmission Rent Expenses (Line 2)		\$ 40,421	\$ 40,421	
4	Transmission Related Integrated Facilities Charges	II.I			
5	- none -		-	-	
6	Total T-Related Integrated Facilities Charges (Line 5)		\$ -	\$ -	
7	Transmission Support Revenues 456 & 456.1	II.J			
8	Renewable Energy Certificates		(3,816,901)	-	FF1 page 300.21(b) FN
9	MBTA Distribution Facilities		(2,391,443)	-	FF1 page 300.21(b) FN
10	MATEP Distribution		(1,702,080)	-	FF1 page 300.21(b) FN
11	Massport Distribution Facilities		(2,604,357)	-	FF1 page 300.21(b) FN
12	Pension Adjustment Mechanism		(2,284,000)	-	FF1 page 300.21(b) FN
13	Net Metering		(5,579,034)	-	FF1 page 300.21(b) FN
14	Wholesale Distribution Services		-	-	FF1 page 300.21(b) FN
15	Grid Modernization		(2,686,371)	-	FF1 page 300.21(b) FN
16	Enhanced Billing & Metering Services		(313,990)	-	FF1 page 300.21(b) FN
17	Local Facility Charges		(120,721)	-	FF1 page 300.21(b) FN
18	Other revenue		(153,673)	-	FF1 page 300.21(b) FN
19	456 Other Electric Revenues (Sum Lines 8 thru 18)		\$ (21,652,570)	\$ -	
20	FIRM WHEELING SERVICE				
21	Dartmouth Power Associates Limited		(475,896)	(475,896)	FF1 page 300.22(b) FN; FF1 Page 330.3(n)
22	HQUS		(3,559,114)	-	FF1 page 300.22(b) FN; FF1 page 330.4(n) + page 330.5(n)
23	NON FIRM WHEELING SERVICE				
24	HQUS		(2,372,756)	-	FF1 page 300.22(b) FN; FF1 page 330.8(n) + page 330.9(n)
25	NEPOOL/ISO				
26	OATT - RNS Transmission Revenue		(266,153,897)	-	FF1 page 300.22(b) FN; FF1 page 330.12(n)
27	OATT - Scheduling & Dispatch Service		(5,570,862)	-	FF1 page 300.22(b) FN; FF1 page 330.13(n)
28	OATT - Through or Out Service		(269,328)	-	FF1 page 300.22(b) FN; FF1 page 330.14(n)
29	OTHER SERVICE				
30	Hydro Quebec Phase II Support		(237,298)	(237,298)	FF1 page 300.22(b) FN; FF1 page 330.17(n) + page 330.18(n) + page 330.19(n) + page 330.20(n)
31	New England Power Lines 255-2337/2338		(2,141)	(2,141)	FF1 page 300.22(b) FN; FF1 page 330.21(n) + page 330.22(n)
32	Concord Municipal Light - Wellesley		(51,340)	(51,340)	FF1 page 300.22(b) FN; FF1 page 330.23(n) + page 330.24(n)
33	National Grid - Dewar Street		(475,370)	(475,370)	FF1 page 300.22(b) FN; FF1 page 330.25(n) + page 330.26(n)
34	ANP Blackstone Energy Co.		(444,481)	(444,481)	FF1 page 300.22(b) FN; FF1 page 330.27(n) + page 330.28(n)
35	Granite Ridge Energy, LLC		(8,649)	(8,649)	FF1 page 300.22(b) FN; FF1 page 330.29(n) + page 330.30(n)
36	New England Power - Merchants Way		(42,231)	(42,231)	FF1 page 300.22(b) FN; FF1 page 330.31(n) + page 330.32(n)
37	Millenium Power Partners, LP		(13,640)	(13,640)	FF1 page 300.22(b) FN; FF1 page 330.33(n) + page 330.34(n)
38	Consentation Mystic Power, LLC		(1,100,004)	(1,100,004)	FF1 page 300.22(b) FN; FF1 page 330.1.1(n)
39	Calpine Fore River Energy Center, LLC		(209,912)	(209,912)	FF1 page 300.22(b) FN; FF1 page 330.1.2(n) + page 330.1.3(n)
40	Gen On Kendall, LLC		(280,513)	(280,513)	FF1 page 300.22(b) FN; FF1 page 330.1.4(n) + page 330.1.5(n)
41	Entergy Nuclear Generation Co.		(18,103)	(18,103)	FF1 page 300.22(b) FN; FF1 page 330.1.6(n) + page 330.1.7(n)
42	National Grid - Edgar Station		(78,507)	(78,507)	FF1 page 300.22(b) FN; FF1 page 330.1.8(n)
43	H.Q. Energy Services (US)		(128,200)	-	FF1 page 300.22(b) FN; FF1 page 330.1.9(n) + page 330.1.10(n)
44	Nalcor Energy Marketing Corporation		(82,733)	-	FF1 page 300.22(b) FN; FF1 page 330.1.11(n)
45	NETWORK SERVICE				
46	Massachusetts Bay Transportation Authority		(593,903)	-	FF1 page 300.22(b) FN; FF1 page 330.1.15(n) + page 330.1.16(n)
47	Concord Municipal Light - LNS		(90,440)	-	FF1 page 300.22(b) FN; FF1 page 330.1.17(n) + page 330.1.18(n)
48	Massachusetts Port Authority		(726,700)	-	FF1 page 300.22(b) FN; FF1 page 330.1.19(n) + page 330.1.20(n)
49	National Grid - Nantucket Cable		(421,568)	-	FF1 page 300.22(b) FN; FF1 page 330.1.21(n) + page 330.1.22(n)
50	NSTAR Electric Company (East)		-	-	FF1 page 300.22(b) FN; FF1 page 330.1.23(n)
51	456.1 Transmission of Electricity by Others (Sum Lines 20 thru 50)		\$ (283,407,586)	\$ (3,438,085)	
52	Total Transmission Support Revenues (Line 19 + Line 51)		\$ (305,060,156)	\$ (3,438,085)	
53	Transmission Support Expense (565)	II.K			
54	Bell Rock		81,480	81,480	FF1 page 332.2(g)
55	ISO-NE		402,022,627	-	FF1 page 332.3(g)
56	New England Power Co.		(16,559)	(16,559)	FF1 page 332.5(g)
57	Norwood Municipal Light		3,604,470	3,604,470	FF1 page 332.6(g)
58	Wellesley Municipal Light		14,775	14,775	FF1 page 332.8(g)
59	Retail Transmission Deferral		(78,688,713)	-	FF1 page 332.9(g)
60	Hydro Quebec DC Phase I Support (VT Electric Transmission Co. and National Grid)		303,258	-	FF1 page 332.4(g) FN + FF1 page 332.7(g) FN
61	Hydro Quebec DC Phase II Support (National Grid)		5,508,736	-	FF1 page 332.4(g) FN + FF1 page 332.4(g) FN
62	Hydro Quebec AC Phase II Support (National Grid)		711,818	711,818	FF1 page 332.4(g) FN
63	Hydro Quebec Phase II Support Chester SVC (National Grid)		307,221	307,221	FF1 page 332.4(g) FN
64	Total Transmission Support Expenses (Sum Lines 54 thru 63)		\$ 333,849,113	\$ 4,703,205	

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Support Expense & Revenue Detail
Sheet 5

Line	(a) Description	(b) Tariff Section	(c) Amount	(d) Includable Amount	(e) Reference
65	Transmission Related Expense from Generators	II.L			
66	- none -		-	-	
67	Total Trans Related Expense from Generators (Line 66)		\$ -	\$ -	
68	Rents Received from Electric Property (454)	II.M			
69	Associated Company Rents		(4,915,926)	\$ -	FF1 page 300.19(b) FN
70	Pole Attachments Rents		(5,516,674)	-	FF1 page 300.19(b) FN
71	Distribution - Wireless and Other Rents		(2,927,731)	-	FF1 page 300.19(b) FN
72	Transmission - Wireless and Other Rents		(4,654,045)	(4,654,045)	FF1 page 300.19(b) FN
73	Total Transmission Rents Received from Electric Property (Sum Lines 69 thru 72)		\$ (18,014,376)	\$ (4,654,045)	
74	Short-Term and Non-Firm Point-to-Point Revenues	II.N			
75	- none -		-	-	
76	Total Short-Term and Non-Firm Point-to-Point Service Revenues (Line 75)		\$ -	\$ -	
77	Regional Network Service Revenues (456):	II.O			
78	RNS Transmission Revenue (Line 26)		(266,153,897)	\$ (266,153,897)	Sheet 9, Line 14
79	RNS PTF Incentive Adders (RTO Participation 0.5% and Post 2003 investment 1%)			6,556,352	Sheet 10, Line 30
80	Regional Network Services Revenues (Line 78 + Line 79)		\$ (266,153,897)	(259,597,545)	
81	Through or Out Revenues	II.P			
82	Through or Out Revenues (Line 28)		(269,328)	\$ (269,328)	
83	Total Through or Out Revenues (Line 82)		\$ (269,328)	\$ (269,328)	
84	ISO-NE Scheduling & Dispatch Revenue	II.Q			
85	NEPOOL Scheduling & Dispatch Revenue (Line 27)		\$ (5,570,862)	\$ (5,570,862)	
86	RTO Participation 0.5% Adder		-	-	RNS Schedule 1 Revenue Requirement
87	Total ISO-NE Scheduling & Dispatch Revenue (Line 85 + Line 86)		\$ (5,570,862)	\$ (5,570,862)	

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Allocation Factors
Sheet 6

Line	(a) Description	(b) Tariff Section	(c) Amount	(d) Reference
1	Transmission Wages & Salaries Allocation Factor	I.A.1		
2	Transmission Related Direct Wages & Salaries		\$ 15,870,498	FF1 page 354.21(b) FN
3	Total Direct Wages & Salaries		\$ 159,613,076	FF1 page 354.28(b) FN
4	Administrative & General Wages & Salaries		39,309,356	FF1 page 354.27(b) FN
5	Net Total Direct Wages & Salaries (Line 3 - Line 4)		<u>\$ 120,303,720</u>	
6	Transmission Wages & Salaries Allocation Factor (Line 2 / Line 5)		13.1920%	
7	Plant Allocation Factor	I.A.2		
8	Transmission Plant Investment		\$ 3,128,427,502	FF1 page 204.58(g) FN
9	HQ Leases		-	
10	Transmission Related General Plant		52,186,492	Sheet 3, Line 2, Col (f)
11	Transmission Related Intangible Plant		6,523,391	Sheet 3, Line 3, Col (f)
12	Total Transmission Plant Investment (Sum Lines 8 thru 11)		<u>\$ 3,187,137,385</u>	
13	Total Plant in Service		<u>\$ 9,612,609,415</u>	FF1 page 204.100(g) FN
14	Plant Allocation Factor (Line 12 / Line 13)		33.1558%	
15	Construction Work in Progress Allocation Factor	II.A.1.d	50.0000%	

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
 Service Year Ended December 31, 2020
 Cost of Long Term Debt
 Sheet 7

Line	Series	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
	FF1: 256(a)	FF1: 257(d) Long Term Debt	FF1: 257(g)+(f)	FF1: 256(e)	FF1: 256(b)	FF1: 257(h) Principal Outstanding	Percent of Total Col f /	FF1: 256(c) Debt Disc & Exp	FF1: 256(c) Call Premium on Debt	Net Proceeds	Cost to Maturity	Weighted Cost	Reference	
		Dated	Term (Years)	Coupon Rate	Original Issue	Col f Total				Col e - Col h -	Col d + (Col h + Col i) / Col e / Col c)	Col g *		
1	2006 \$200M 5.750% Debentures	03/16/2006	30	5.750%	\$ 200,000,000	\$ 200,000,000	6.58%	\$ 4,294,549	- \$	195,705,451	5.8216%	0.3831%	FF1 Page 256.2	
2	2010 \$300M 5.500% Debentures	03/16/2010	30	5.500%	\$ 300,000,000	\$ 300,000,000	9.87%	\$ 7,929,342	- \$	292,070,658	5.5881%	0.5515%	FF1 Page 256.5	
3	2012 \$400M 2.375% Debentures	10/15/2012	10	2.375%	\$ 400,000,000	\$ 400,000,000	13.16%	\$ 4,274,574	- \$	395,725,426	2.4819%	0.3266%	FF1 Page 256.7	
4	2014 \$300M 4.400% Debentures	03/07/2014	30	4.400%	\$ 300,000,000	\$ 300,000,000	9.87%	\$ 5,137,448	- \$	294,862,552	4.4571%	0.4399%	FF1 Page 256.9	
5	2016 \$250M 2.700% Debentures	05/26/2016	10	2.700%	\$ 250,000,000	\$ 250,000,000	8.22%	\$ 3,101,898	- \$	246,898,102	2.8204%	0.2318%	FF1 Page 256.11	
6	2015 \$250M 3.250% Debentures	11/16/2015	10	3.250%	\$ 250,000,000	\$ 250,000,000	8.22%	\$ 3,332,452	- \$	246,667,548	3.3833%	0.2781%	FF1 Page 256.13	
7	2017 \$700M 3.200% Debentures	05/15/2017	10	3.200%	\$ 700,000,000	\$ 700,000,000	23.03%	\$ 2,500,599	- \$	697,499,401	3.2357%	0.7452%	FF1 Page 256.15	
8	2019 \$320M 3.25% Debentures	05/17/2019	10	3.250%	\$ 320,000,000	\$ 320,000,000	10.53%	\$ 3,606,679	- \$	316,393,321	3.3627%	0.3541%	FF1 Page 256.18	
9	2020 \$320M 3.95% Debentures	03/26/2020	10	3.950%	\$ 320,000,000	\$ 320,000,000	10.52%	\$ 4,687,033	- \$	315,312,967	4.0965%	0.4310%	FF1 Page 256.20	
10	Total				\$ 3,040,000,000	\$ 3,040,000,000	100.00%	\$ 38,773,574	\$	\$ 3,001,226,426		3.7413%	Sum Lines 1 Thru 9	

Cost of Preferred Stock

Line	Series	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
	FF1: 250(a)	FF1: 250(a)	FF1: 250(a)	FF1: 250(a)	FF1: 250(a)	FF1: 251(f) Principal Amount Outstanding	Percent of Total	FF1: 251(f) Original Issue	FF1: 251(f) Principal Amount Outstanding	Percent of Total	Weighted Cost	Reference		
		Dated	Term	Coupon Rate	Original Issue	Col f Total			Col f Total		Col g *			
11	4.25%	06/13/1956	N/A	4.250%	\$ 18,000,000	\$ 18,000,000	41.86%	\$ 18,000,000	\$ 18,000,000	41.86%	1.7791%	FF1 Page 250.12		
12	4.78%	07/10/1958	N/A	4.780%	\$ 25,000,000	\$ 25,000,000	58.14%	\$ 25,000,000	\$ 25,000,000	58.14%	2.7791%	FF1 Page 250.13		
13	Total				\$ 43,000,000	\$ 43,000,000	100.00%	\$	\$ 43,000,000	100.00%	4.5582%	Sum Lines 11 Thru 12		

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Service Year Ended December 31, 2020
Sheet 8
Transmission Related ADIT - Tariff Section II.A.1.f

Line	(A) Description	(B) Amount	(C) Allocator	(D) Rate Base	(E) Notes
1	Account 190				
2	Post Employment Benefits Accrued	\$ 16,570,389	13.1920%	\$ 2,185,966	FF1 page 234.18(c) FN
3	Workers Compensation	2,820,177	13.1920%	372,038	FF1 page 234.18(c) FN
4	Workers Compensation Gross Up Payable	5,508,835	13.1920%	726,726	FF1 page 234.18(c) FN
5	General Liability Self Insurance	1,830,890	13.1920%	241,531	FF1 page 234.18(c) FN
6	COVID-19 Accrual	2,006,796	0.0000%	-	FF1 page 234.18(c) FN
7	Allowance for Uncollectible Accounts	15,881,382	0.0000%	-	FF1 page 234.18(c) FN
8	Hazardous Waste Reserves	1,176,488	33.1558%	390,074	FF1 page 234.18(c) FN
9	Pension Expense	26,972,090	13.1920%	3,558,158	FF1 page 234.18(c) FN
10	Pension Adjustment Mechanism	5,210,737	0.0000%	-	FF1 page 234.18(c) FN
11	RAAC Deferral	11,329,323	0.0000%	-	FF1 page 234.18(c) FN
12	Deferred Transition Revenues	3,402,416	0.0000%	-	FF1 page 234.18(c) FN
13	Deferred Net Metering Costs	5,211,734	0.0000%	-	FF1 page 234.18(c) FN
14	Vegetation Management	1,272,314	0.0000%	-	FF1 page 234.18(c) FN
15	Rate change to 6.5% in account 190	3,361,718	13.1920%	443,478	FF1 page 234.18(c) FN
16	Solar Expansion Costs	6,175,642	0.0000%	-	FF1 page 234.18(c) FN
17	ASC 740 Deferred Income Taxes (FAS 109)	198,644,185	33.1558%	65,862,069	FF1 page 234.18(c) FN
18	Other items	4,359,106	33.1558%	1,445,296	FF1 page 234.18(c) FN
19	Total 190 Sum Lines (2 thru 18)	\$ 311,734,222	24.1312%	\$ 75,225,336	
20	Account 283				
21	Bond Redemption Call Premiums	(2,520,573)	33.1558%	(835,716)	FF1 page 276.19(k) FN
22	Pension Expense	(110,295,760)	13.1920%	(14,550,217)	FF1 page 276.19(k) FN
23	Post Employment Benefits Accrued	(47,522,456)	13.1920%	(6,269,162)	FF1 page 276.19(k) FN
24	Property Tax Lien Date Accrual	(25,319,667)	33.1558%	(8,394,938)	FF1 page 276.19(k) FN
25	Workers Compensation Gross Up Payable	(5,508,835)	13.1920%	(726,726)	FF1 page 276.19(k) FN
26	Retail Adjuster Clause Deferrals	(65,277,772)	0.0000%	-	FF1 page 276.19(k) FN
27	Keep Cost Receivable	(8,704,256)	0.0000%	-	FF1 page 276.19(k) FN
28	Storm Contingency Fund	(48,767,166)	0.0000%	-	FF1 page 276.19(k) FN
29	Injury Damage Public Liability	(10,453,790)	13.1920%	(1,379,064)	FF1 page 276.19(k) FN
30	Rate Change to 21% in Account 283 (labor)	(38,427,262)	13.1920%	(5,069,324)	FF1 page 276.19(k) FN
31	Rate Change to 21% in Account 283 (plant)	(9,479,735)	33.1558%	(3,143,082)	FF1 page 276.19(k) FN
32	Rate Change to 21% in Account 283 (distribution)	(16,093,025)	0.0000%	-	FF1 page 276.19(k) FN
33	Rate Change to 21% in Account 283 (retail adjuster clause)	(13,212,205)	0.0000%	-	FF1 page 276.19(k) FN
34	ASC 740 Deferred Income Taxes (FAS 109)	73,551,494	33.1558%	24,386,586	FF1 page 276.19(k) FN
35	Goodwill	(73,807,479)	0.0000%	-	FF1 page 276.19(k) FN
36	Other items	(3,729,977)	33.1558%	(1,236,704)	FF1 page 276.19(k) FN
37	Total 283 Sum Lines (21 thru 36)	\$ (405,568,464)	4.2455%	\$ (17,218,347)	
38	Wages & Salary Allocator (Labor)		13.1920%		Sheet 6, Line 6, Col (c)
39	Plant Allocator (Plant)		33.1558%		Sheet 6, Line 14, Col (c)

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Regional Network Service (RNS) Revenues for 2020
Service Year Ended December 31, 2020
Sheet 9

Ln	Month	2020 RNS Revenues	
1	January	\$	(20,801,560)
2	February	\$	(19,453,587)
3	March	\$	(18,263,027)
4	April	\$	(16,260,165)
5	May	\$	(19,009,109)
6	June	\$	(26,122,100)
7	July	\$	(30,373,969)
8	August	\$	(29,591,310)
9	September	\$	(23,429,477)
10	October	\$	(18,954,616)
11	November	\$	(20,787,703)
12	December	\$	(23,107,275)
13	TOTAL RNS Revenues (Σ Lines 1 thru 12)	\$	(266,153,897)
14	TOTAL RNS Revenues (Line 13)	\$	(266,153,897)

FF1 Page 330.12(n)

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Annual Local Network Service Revenue Requirement per Attachment D of Schedule 21-NSTAR
Regional Network Service (RNS) Incentives Revenues for 2020
Service Year Ended December 31, 2020
Sheet 10

(A) (B) (C)

6/1/19 - 5/31/20		
		NSTAR East
1 True-up Incentives - 2018 (Note 1)	\$	(178,005)
2 Test Year Incentives - 2018 (Post 96) (Note 1)	\$	920,383
3 Test Year Incentives - 2018 (Pre 97) (Note 1)	\$	4,412,824
4 Test Year Incentives - 2018 (Post 03) (Note 1)	\$	991,119
5 Forecasted Incentives - 2019 (Note 1)	\$	685,823
6 Total Incentives (Lines 1 + 2 + 3 + 4 + 5)	\$	6,832,144
7 NE Avg 12CP (in kW - 2018 Actual) =	\$	19,542,340
8 RNS Rate - Incentives (Line 6 / Line 7)	\$	0.34961

6/1/20 - 5/31/21		
		NSTAR East
9 True-up Incentives - 2019 (Note 1)	\$	(264,534)
10 Test Year Incentives - 2019 (Post 96) (Note 1)	\$	896,072
11 Test Year Incentives - 2019 (Pre 97) (Note 1)	\$	4,723,118
12 Test Year Incentives - 2019 (Post 03) (Note 1)	\$	936,205
13 Forecasted Incentives - 2020 (Note 1)	\$	482,200
14 Total Incentives (Lines 9 + 10 + 11 + 12 + 13)	\$	6,773,061
15 NE Avg 12CP (in kW - 2019 Actual) =	\$	18,556,522
16 RNS Rate - Incentives (Line 14 / Line 15)	\$	0.36500

	Actual kW		NSTAR East	
17 2020				
18 January	17,746,605	\$	517,033	Line 8 (C) x Line 18 (B)
19 February	16,663,582	\$	485,480	Line 8 (C) x Line 19 (B)
20 March	15,573,715	\$	453,727	Line 8 (C) x Line 20 (B)
21 April	13,926,102	\$	405,725	Line 8 (C) x Line 21 (B)
22 May	16,082,919	\$	468,562	Line 8 (C) x Line 22 (B)
23 June	21,069,259	\$	640,857	Line 16 (C) x Line 23 (B)
24 July	24,583,474	\$	747,747	Line 16 (C) x Line 24 (B)
25 August	23,754,350	\$	722,528	Line 16 (C) x Line 25 (B)
26 September	18,897,211	\$	574,790	Line 16 (C) x Line 26 (B)
27 October	15,378,531	\$	467,764	Line 16 (C) x Line 27 (B)
28 November	16,719,461	\$	508,550	Line 16 (C) x Line 28 (B)
29 December	18,528,954	\$	563,589	Line 16 (C) x Line 29 (B)
30 TOTAL Incentives in Revenues (Sum Lines 18 thru 29)		\$	6,556,352	

Note 1 - Pertains to ROE incentive adders embedded in the PTF revenue requirements used in the calculation of the RNS rate (Incentive adders = RTO Participation 0.5% and Post 2003 investment 1%)

NSTAR Electric Company (East)

2020 RNS Revenue Requirements

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
For Costs in 2020
Sheet 1

Submitted on: May 31, 2021
 Revenue Requirements for (year): Calendar Year 2020
 Customer: NSTAR Electric Company (East)
 Customer's NABs Number: # 3
 Name of Participant responsible for customer's billing: NSTAR Electric Company (East)
 DUNS number of Participant responsible for customer's billing: # 00-695-1552

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I	= \$ <u>44,623,576</u> (a)	\$ <u>246,017,315</u> (f)
Total of Attachment F - Section J - Support Revenue	= \$ <u>681,779</u> (b)	\$ <u>-</u> (g)
Total of Attachment F - Section K - Support Expense	= \$ <u>1,083,960</u> (c)	\$ <u>-</u> (h)
Total of Attachment F - Sections L through O	= \$ <u>(4,434,548)</u> (d)	\$ <u>(87,277)</u> (i)
Sub Total - Sum (A through I) - J + K+ (L through O)	= \$ <u>40,591,209</u> (e)=(a)-(b)+(c)+(d)	\$ <u>245,930,038</u> (j)=(f)-(g)+(h)+(i)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		\$ <u>286,521,247</u> (k) = (e) + (j)

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
For Costs in 2020
Sheet 2

		Attachment F Reference			
Line	Investment Base	Section:	Pre-1997	Post-1996	Reference
	Col.A	Col.B	Col.C	Col.D	Col.E
1	Transmission Plant	II (A)(1)(a)	\$ 381,801,653	\$ 2,097,556,635	Sheet 4, line 1
2	General Plant	II (A)(1)(b)	5,069,187	27,849,225	Sheet 4, line 2
3	Intangible Plant	II (A)(1)(b)	633,656	3,481,196	Sheet 4, line 3
4	Plant Held For Future Use	II (A)(1)(c)	3,313,617	18,204,433	Sheet 4, line 5
5	Total Plant (Line 1 + 2 + 3 + 4)		390,818,113	2,147,091,489	
6	Accumulated Depreciation	II (A)(1)(d)	(93,978,052)	(516,298,937)	Sheet 4, line 10
7	Accumulated Deferred Income Taxes	II (A)(1)(e)	(34,243,955)	(188,130,281)	Sheet 4, line 14
8	Loss On Reacquired Debt	II (A)(1)(f)	372,325	2,045,486	Sheet 4, line 15
9	Other Regulatory Assets	II (A)(1)(g)	(26,094,859)	(143,360,580)	Sheet 4, line 19
10	Net Investment (Line 5 + 6 + 7 + 8 + 9)		236,873,572	1,301,347,177	
11	Prepayments	II (A)(1)(h)	788,453	4,331,620	Sheet 4, line 20
12	Materials & Supplies	II (A)(1)(i)	1,450,860	7,970,773	Sheet 4, line 21
13	Cash Working Capital	II (A)(1)(j)	795,190	4,092,448	Sheet 4, line 27
14	Total Investment Base (Line 10 + 11 + 12 + 13)		\$ 239,908,075	\$ 1,317,742,018	
Revenue Requirement					
15	Investment Return and Income Taxes	II (A)	\$ 24,151,546	\$ 133,547,579	Sheet 3, Line 26
16	Depreciation Expense	II (B)	8,722,410	47,919,385	Sheet 5, Line 4
17	Amortization of Loss on Reacquired Debt	II (C)	24,482	134,498	Sheet 5, Line 5
18	Investment Tax Credit	II (D)	(61,764)	(339,320)	Sheet 5, Line 6
19	Property Taxes	II (E)	5,771,945	31,710,052	Sheet 5, Line 7
20	Payroll tax Expense	II (F)	55,615	305,540	Sheet 5, Line 22
21	Operation & Maintenance Expense	II (G)	4,246,924	23,331,853	Sheet 5, Line 11
22	Administrative & General Expense	II (H)	1,712,418	9,407,728	Sheet 5, Line 20
23	Transmission Related Integrated Facilities Charge	II (I)	-	-	Sheet 7, Line 7
24	Transmission Support Revenue	II (J)	(681,779)	-	Sheet 7, Line 7
25	Transmission Support Expense	II (K)	1,083,960	-	
26	Transmission Related Expense from Generators	II (L)	-	-	
27	Transmission Related Taxes and Fees Charge	II (M)	25,588	140,574	Sheet 5, Line 21
28	Revenue for ST Trans Service Under NEPOOL Tariff	II (N)	(41,477)	(227,851)	PTO AC Informational Filing
29	Transmission Rents Received for Electric Property	II (O)	(4,418,659)	-	PTO AC Informational Filing
30	Total Revenue Requirements (Sum of Lines 15 through 29)		\$ 40,591,209	\$ 245,930,038	
31	Total Pre-1997 and Post 1996 (Line 30 [Pre-1997 + Post-1996])		\$ 286,521,247	\$ 286,521,247	

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
 For Costs in 2020
 Sheet 3

Line	Description	Capitalization 12/31/20	Weighted Capitalization	Weighted Cost of Capital	Equity Portion	Reference
	Col.A	Col.B	Col.C	Col.D	Col.E	Col.F
1	Long-Term Debt	\$ 3,033,335,899	44.43%	3.74%	1.66%	FF1 page 112.24(c) Footnote
2	Preferred Stock	43,000,000	0.63%	4.56%	0.03%	FF1 page 112.3(c) Footnote
3	Common Equity	3,751,206,129	54.94%	11.07%	6.08%	FF1 112.16(c) Footnote - 112.3(c) Footnote
4	Total Investment Return	\$ 6,827,542,028	100.00%		7.77%	Sum of Lines 1 to 3
ROE per ISO New England Inc. Transmission, Markets and Services Tariff, Section II Attachment F II.A.2.(iii), page 231 https://www.iso-ne.com/static-assets/documents/regulatory/tariff/sect_2/oatt/sect_ii.pdf						
5	Federal Income Tax (FIT)	Pre-97	Post-96			
6	A= Preferred & Equity Return	6.11%	6.11%	Line 4, Col F		
7	B= Transmission Related Amortization of ITC	(61,764) \$	(339,320)	Sheet 2, Line 18		
8	C= Equity AFUDC Component of Depreciation Expense	63,758 \$	350,275	PTO AC Informational Filing		
9	D= Transmission Investment Base	239,908,075 \$	1,317,742,018	Sheet 2, Line 14		
10	FT = Federal Income Tax Rate	21.00%	21.00%	Federal Income Tax Rate		
11	FIT = (A)+(C+B)/D)/(FT)/(1-FT)	1.62440%	1.62440%	Federal Income Tax		
12	ST = State Income Tax Rate	8.00%	8.00%	State Tax Rate		
13	State Income Tax (SIT)					
14	SIT = (A)+(C+B)/D)+Federal Income Tax)/(ST)/(1-ST)	0.6726%	0.6726%	State Income Tax		
15	Allowed Return	10.0670%	10.0670%	Line 4, Col E + Line 11 + Line 14		
16	D= Transmission Investment Base	239,908,075 \$	1,317,742,018	Sheet 2, Line 14		
17	Return	24,151,546 \$	132,657,089	Line 15 * Line 16		
18	Incremental return for Post 2003 PTF Investment					
19	A= Incremental Return	0.6700%	0.6700%	Per Opinion No. 489 and Opinion No. 531-B		
20	Effective Incremental (a)	0.3700%	0.3700%	Line 19 * Line 3, Col C		
21	Additional FIT (a/A)	0.0984%	0.0984%	Incremental FIT = (A * FT)/(1-FT)		
22	Additional SIT (a/A)	0.0407%	0.0407%	Incremental SIT = (A + FIT)/(ST)/(1-ST)		
23	Additional Return	0.5091%	0.5091%	Sum lines 20 thru 22		
24	Post 2003 PTF net investment	\$ 174,914,538		Sheet 8, line 15		
25	Additional 100 bp Return Post 2003 PTF Investment	\$ 890,490		Line 23 * Line 24		
26	Total Return	24,151,546 \$	133,547,579	Line 17 + Line 25		
Incremental return for PTF 50 Basis Point Adder						
27	Long-Term Debt	\$ 3,033,335,899	44.43%			
28	Preferred Stock	43,000,000	0.63%			
29	Common Equity	3,751,206,129	54.94%	0.50%		
30	Total Investment Return	\$ 6,827,542,028	100.00%			
31					0.27%	0.27%
32					0.27%	0.27%
33	Federal Income Tax (FIT)	Pre-97	Post-96			
34	A= Incremental Return	0.27%	0.27%	Line 31, Col F		
35	B= Transmission Related Amortization of ITC	-	-	N/A		
36	C= Equity AFUDC Component of Depreciation Expense	-	-	N/A		
37	D= Transmission Investment Base	239,908,075 \$	1,317,742,018	Sheet 2, Line 14		
38	FT = Federal Income Tax Rate	21.00%	21.00%	Federal Income Tax Rate		
39	FIT = (A)+(C+B)/D)/(FT)/(1-FT)	0.07180%	0.07180%	Federal Income Tax		
40	ST = State Income Tax Rate	8.00%	8.00%	State Tax Rate		
41	State Income Tax (SIT)					
42	SIT = (A)+(C+B)/D)+Federal Income Tax)/(ST)/(1-ST)	0.0297%	0.0297%	State Income Tax		
43	Allowed Return	0.3715%	0.3715%	line 33 + Line 38 + Line 41		
44	D= Transmission Investment Base	239,908,075 \$	1,317,742,018	Sheet 2, Line 14		
45	Return 50 bp Adder	891,258 \$	4,895,412	Line 42 * Line 43		
46	Total Return 50 bp Adder	\$ 5,786,670		Line 44 Pre-97 + Line 44 Post 96		
47	Total Incremental Return	\$ 6,677,160		Line 25 + Line 45		

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
 For Costs in 2020
 Sheet 4

Line	Description	Col:A	Total	Wage/Plant Allocation Factors	Transmission Allocated	Col:E	Pre-97 PTF Allocation Factor Note 1	Col:F	Col:E x Col:F	Col:G	Post-96 PTF Allocation Factor Note 1	Col:H	Col:D x Col:G	Reference
Transmission Plant														
1	Transmission Plant (exc SCADA)	\$ 3,116,681,437			\$ 3,116,681,437									
2	General Plant	\$ 395,591,962		10.4603% Note 2	\$ 41,380,106		\$ 381,801,653				67.3010%	\$ 2,097,556,635		Sheet 6, Line 1 (B) & (C)
3	Intangible Plant	\$ 49,449,600		10.4603% Note 2	\$ 5,172,577		\$ 5,069,187				67.3010%	\$ 3,481,196		FF1 204.99(g) Footnote
4	Total Transmission Plant (line 1 + 2 + 3)				\$ 3,163,234,120		\$ 387,504,496					\$ 2,128,887,056		FF1 204.4(g) Footnote
5	Transmission Plant Held for Future Use	\$ 27,049,275		100.0000%	\$ 27,049,275		\$ 3,313,617				67.3010%	\$ 18,204,433		FF1 214.31(a)
Transmission Accumulated Depreciation														
6	Transmission Accum. Depreciation	\$ (752,140,647)		100.0000%	\$ (752,140,647)		\$ (92,139,486)				67.3010%	\$ (506,198,177)		Note 5
7	General Plant Accum. Depreciation	\$ (102,555,284)		10.4603% Note 2	\$ (10,727,590)		\$ (1,314,162)				67.3010%	\$ (7,219,775)		FF1 219.28(c) Footnote
8	General Plant Amortization Reserve	\$ (8,507,372)		10.4603% Note 2	\$ (889,897)		\$ (109,015)				67.3010%	\$ (598,910)		FF1 200.21(c) Footnote
9	Intangible Plant Amortization Reserve	\$ (32,416,366)		10.4603% Note 2	\$ (3,390,849)		\$ (415,389)				67.3010%	\$ (2,282,075)		FF1 200.21(c) Footnote
10	Total Transmission Acc Dep (line 6 + 7 + 8 + 9)				\$ (767,148,983)		\$ (93,978,052)					\$ (516,298,937)		
Transmission Accumulated Deferred Taxes														
11	Accumulated Deferred Taxes (282) Note 4	\$ (1,035,974,366)		32.9425% Note 3	\$ (341,275,856)		\$ (41,807,316)				67.3010%	\$ (229,682,064)		FF1 274.9(k) Footnote
12	Accumulated Deferred Taxes (283)				\$ (11,490,784)		\$ (1,407,656)				67.3010%	\$ (7,733,413)		Sheet 9, Line 34, Col D
13	Accumulated Deferred Taxes (190)				\$ 73,231,001		\$ 8,971,017				67.3010%	\$ 49,285,196		Sheet 9, Line 17, Col D
14	Total ADIT (line 11 + 12 + 13)				\$ (279,535,639)		\$ (34,243,955)					\$ (188,130,281)		
15	Transmission loss on Reacquired Debt	\$ 9,226,106		32.9425% Note 3	\$ 3,039,310		\$ 372,325				67.3010%	\$ 2,045,486		FF1 110.81(c) Footnote
Other Regulatory Assets														
16	FAS 106	\$ -		10.4603% Note 2	\$ -		\$ -				67.3010%	\$ -		FF1 232.1
17	ASC 740 Regulatory Asset (FAS 109)	\$ 88,933,989		32.9425% Note 3	\$ 29,297,079		\$ 3,588,980				67.3010%	\$ 19,717,227		FF1 232.22(f) Footnote
18	ASC 740 Regulatory Liability (FAS 109)	\$ (242,311,120)		100.0000%	\$ (242,311,120)		\$ (29,683,839)				67.3010%	\$ (163,077,807)		FF1 278.1(f) Footnote
19	Total (line 16 + 17 + 18)	\$ (153,377,131)			\$ (213,014,041)		\$ (26,094,859)					\$ (143,360,580)		
20	Transmission Prepayments	\$ 61,529,690		10.4603% Note 2	\$ 6,436,190		\$ 788,453				67.3010%	\$ 4,331,620		FF1 110.57(c) Footnote
21	Transmission Materials and Supplies	\$ 11,843,469		100.0000%	\$ 11,843,469		\$ 1,450,860				67.3010%	\$ 7,970,773		FF1 227.5(c) Footnote + 227.6(c) Footnote
Cash Working Capital														
22	Operation & Maintenance Expense						\$ 4,246,924					\$ 23,331,853		Sheet 5, line 11
23	Administrative & General Expense						\$ 1,712,418					\$ 9,407,728		Sheet 5, line 20
24	Net Transmission Support Expense						\$ 402,181					\$ -		Sheet 7, line 8
25	Total (line 22 + 23 + 24)						\$ 6,361,523					\$ 32,739,581		
26	45 day allowance per tariff						\$ 12,500%					\$ 4,092,448		= 45 days / 360 days
27	Cash Working Capital (line 25 + 26)						\$ 795,190					\$ -		
Note 1 - PTF Allocator (Sheet 6, Line 3)														
Note 2 - Wages & Salaries Allocator (Sheet 6, Line 13)														
Note 3 - Plant Allocator (Sheet 6, Line 19)														
Note 4 - ADIT in FERC Account 282 excludes ADIT associated with transition property from FF1 275.4(k)														
Note 5														
28	Account 108, Accumulated Depreciation (A/D)	\$ (752,723,474)		FF1 219.25 (c) Footnote			\$ -					\$ -		
29	Less: A/D related to Asset Retirement Obligations	\$ 582,827		Note 6			\$ -					\$ -		
30	Total Accumulated Depreciation	\$ (752,140,647)					\$ -					\$ -		
Note 6 - Reflects actual information per the Company's accounting records.														

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
 For Costs in 2020
 Sheet 5

Line	Description Col.A	Total Col.B	Wage/Plant Allocation Factors Col.C	Transmission Allocated Col.D	Pre-97 PTF Allocation Factor Note 1 Col.E	Pre-97 PTF Allocated Col.F (Col.D x Col.E)	Post-96 PTF Allocation Factor Note 1 Col.G	Post-96 PTF Allocated Col.H (Col.D x Col.G)	Reference Col.I
Depreciation Expense									
1	Transmission Depreciation	\$ 68,896,214		\$ 68,896,214	12.2503%	\$ 8,439,993	67.3010%	\$ 46,367,841	FF1 336.7(b) Footnote
2	General Depreciation and Amortization	\$ 20,064,237	10.4603%	\$ 2,097,733	12.2503%	\$ 256,979	67.3010%	\$ 1,411,795	FF1 336.10(b) Footnote + 10(d) Footnote
3	Intangible Plant Amortization	\$ 1,985,101	10.4603%	\$ 207,648	12.2503%	\$ 25,438	67.3010%	\$ 139,749	FF1 336.1(c) Footnote
4	Total (line 1 + 2 + 3)	\$ 90,935,552		\$ 71,201,595		\$ 8,722,410		\$ 47,919,385	
5	Amortization of Loss on Recquired Debt	\$ 606,648	32.9425%	\$ 199,845	12.2503%	\$ 24,482	67.3010%	\$ 134,498	FF1 114.64(c) Footnote
6	Amortization of Investment Tax Credits	\$ 1,530,495	32.9425%	\$ 504,183	12.2503%	\$ 61,764	67.3010%	\$ 339,320	FF1 114.19(c) Footnote
Property Taxes									
7	Transmission Property Taxes	\$ 143,027,280	32.9425%	\$ 47,116,762	12.2503%	\$ 5,771,945	67.3010%	\$ 31,710,052	FF1 262.30(i)
Transmission Operation and Maintenance									
8	Operation and Maintenance	\$ 383,969,916		\$ 383,969,916	12.2503%	\$ 47,037,467	67.3010%	\$ 258,415,593	FF1 320.99(b) Footnote + 320.111(b) Footnote
9	less: Transmission of Electricity by Others (565)	\$ 333,849,112		\$ 333,849,112	12.2503%	\$ 40,897,518	67.3010%	\$ 224,683,791	FF1 320.99(b) Footnote
10	less: Load Dispatching (561 to 561.4)	\$ 15,452,869		\$ 15,452,869	12.2503%	\$ 1,893,025	67.3010%	\$ 10,399,949	FF1 320.99(b) Footnote
11	O&M for RNS Tariff (line 8 - 9 - 10)	\$ 34,667,915		\$ 34,667,915		\$ 4,246,924		\$ 23,331,853	
Transmission Administrative and General									
12	Administrative and General	\$ 119,880,774		\$ 119,880,774					FF1 320.197 (b) Footnote
13	less: Property Insurance (924)	\$ 918,595		\$ 918,595					FF1 320.197 (b) Footnote
14	less: Regulatory Commission Expenses (928)	\$ 14,460,991		\$ 14,460,991					FF1 320.197(b) Footnote
15	less: Miscellaneous General Expenses (930.2)	\$ -		\$ -					FF1 232.14 (e) Footnote
16	less: General Advertising Expense (930.1)	\$ 179,160		\$ 179,160					FF1 320.197 (b) Footnote
17	Subtotal (line 12 - sum of lines 13 through 17)	\$ 104,322,028		\$ 104,322,028					
18	Property Insurance (924)	\$ 918,595	10.4603%	\$ 302,608	12.2503%	\$ 37,070	67.3010%	\$ 203,658	FF1 320.197(b) Footnote
19	Regulatory Commission Expenses (928)	\$ 2,763,581	100.0000%	\$ 2,763,581	12.2503%	\$ 338,547	67.3010%	\$ 1,859,918	FF1 350.7(g)+9(d)
20	Total A&G for RNS Tariff (line 18 + 19 + 20 + 21)	\$ 108,004,204		\$ 13,978,586		\$ 1,712,418		\$ 9,407,728	
21	Transmission Related Taxes and Fees	\$ 753,425		\$ 208,874	12.2503%	\$ 25,588	67.3010%	\$ 140,574	PTO AC Informational Filing
22	Payroll Tax Expense	\$ 4,340,122	10.4603%	\$ 453,990	12.2503%	\$ 55,615	67.3010%	\$ 305,540	FF1 262.4(i), 6(i), 9(i), 14(i), 20(i), 24(i), 34(i), 38(i)

Note 1 - PTF Allocator (Sheet 6, Line 3)

Note 2 - Wages & Salaries Allocator (Sheet 6, Line 13)

Note 3 - Plant Allocator (Sheet 6, Line 19)

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
 For Costs in 2020
 Sheet 6

Line	Description Col. A	Pre-1997 Col. B	Post - 1996 Col. C	Post - 2003 Col. D	Reference Col. E
1	PTF Transmission Investment	\$ 381,801,653	Note 1 \$ 2,097,556,635	Note 2 \$ 325,736,786	Note 3
2	Total Transmission Investment excluding SCADA	\$ 3,116,681,437	\$ 3,116,681,437	\$ 3,116,681,437	Sheet 8, Line 5, Col.G
3	Percent Allocation	12.2503%	67.3010%	10.4514%	Line 1 / Line 2
4	Total PTF Allocation (Pre 97 + Post 96)	79.5513%			Line 3, Col.B plus Col.C
Transmission Wages and Salaries Allocation Factor					
5	Direct Transmission Wages and Salaries	\$ 15,870,498			FF1 354.21(b) Footnote
6	Less EMC Transmission Wages and Salaries	3,286,315			S&D Sheet 6, Line 2
7	Affiliated Company Transmission Wages and Salaries	-			N/A
8	Total Transmission Wages and Salaries	<u>\$ 12,584,183</u>			Line 5 - line 6 + line 7
9	Total Wages and Salaries	\$ 159,613,076			FF1 354.28(b) Footnote
10	Less Administrative and General Wages and Salaries	39,309,356			FF1 354.27(b) Footnote
11	Affiliated Company Wages and Salaries less A&G	-			N/A
12	Total Wages and Salaries net of A&G	<u>\$ 120,303,720</u>			Line 9 - line 10 + line 11
13	Transmission W&S Allocation Factor	10.4603%			Line 8 / Line 12
Plant Allocation Factor					
14	Total Transmission Investment (exc SCADA)	\$ 3,116,681,437			Line 2
15	Plus Transmission Related General Plant	41,380,106			Sheet 4, Line 2, Col.D
16	Plus Transmission Related Intangible Plant	5,172,577			Sheet 4, Line 3, Col.D
17	Revised Numerator	<u>\$ 3,163,234,120</u>			Line 14 + Line 15 + Line 16
18	Total Plant in Service	<u>\$ 9,602,294,957</u>			FF1 204.104 (g) Footnote - AROs (on footnotes 44(g), 57(g), 74(g), and 98(g))
19	Plant Allocation Factor	32.9425%			Line 17 / Line 18

Note 1 Sheet 8, Line 1, Col (G).
Note 2 Sheet 8, Line 2 + Line 3, Col (G).
Note 3 Sheet 8, Line 3, Col (G).

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
 For Costs in 2020
 Sheet 7

Line	PTF Supporting Facilities	Revenues		Expenses		Reference
		Col.B	Col.C	Col.C		
1	Hydro Quebec Phase II Support - AC	\$ 237,298				FF1 300.22(b) Footnote
2	ANP Blackstone Energy Co.	\$ 444,481				FF1 300.22(b) Footnote
3	New England Power Co			\$ (16,559)		FF1 332.5(h)
4	Bell Rock			\$ 81,480		FF1 332.2(h)
5	National Grid - Hydro Quebec AC Phase II Support			\$ 711,818		FF1 332.4(g) Footnote
6	National Grid - Hydro Quebec AC Phase II Support Chester SVC			\$ 307,221		FF1 332.4(g) Footnote
7	Total (Sum of lines 1 through 6)	<u>\$ 681,779</u>		<u>\$ 1,083,960</u>		
8	Net Expenses (Line 7, Col.C - Line 7, Col.B)			<u>\$ 402,181</u>		

NSTAR Electric Company (East)
 ISO New England Inc Transmission, Markets and Services Tariff, Section II
 Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
 For Costs in 2020
 Sheet 8

Transmission Investment

Line	Description	Transmission Investment					Adjustments Col.F	12/31/2020 Col.G
		12/31/2019 Col.B	Additions Col.C	Retirements Col.D	Transfers Col.E	Col.A		
1	Pre-97 PTF(excl. SCADA)	\$ 383,333,976	\$ -	\$ (676,342)	\$ (735,540)	\$ (120,441)	\$ 381,801,653	
2	Post-96 PTF(excl. SCADA)	\$ 1,695,081,403	\$ 123,693,380	\$ (547,149)	\$ (46,301,808)	\$ (105,976)	\$ 1,771,819,849	
3	Post-03 PTF	\$ 325,736,786	\$ -	\$ -	\$ -	\$ -	\$ 325,736,786	
4	Non-PTF(excl. SCADA)	\$ 532,622,811	\$ 57,463,704	\$ (27,132)	\$ 47,037,348	\$ 226,417	\$ 637,323,149	
5	Sub-Total (Line 1 + 2 + 3 + 4)	\$ 2,936,774,976	\$ 181,157,084	\$ (1,250,622)	\$ -	\$ -	\$ 3,116,681,437	
6	<u>SCADA and AROs</u>							
7	Pre-97 PTF	\$ 3,354,103	\$ -	\$ -	\$ -	\$ -	\$ 3,354,103	
8	Post-96 PTF	\$ 7,916,648	\$ -	\$ -	\$ -	\$ -	\$ 7,916,648	
9	Non-PTF	\$ 1,087,570	\$ (612,255)	\$ -	\$ -	\$ -	\$ 475,315	
10	Sub-Total (Line 7 + 8 + 9)	\$ 12,358,321	\$ (612,255)	\$ -	\$ -	\$ -	\$ 11,746,065	
11	Total Transmission (Line 5 + 10)	\$ 2,949,133,297	\$ 180,544,829	\$ (1,250,622)	\$ -	\$ -	\$ 3,128,427,502	
		FF1 204.58(g) Footnote	FF1 204.58(g) Footnote	FF1 204.58(g) Footnote	FF1 204.58(g) Footnote	FF1 204.58(g) Footnote	FF1 204.58(g) Footnote	

	Actual Per Books
12	\$ 325,736,786
13	\$ (98,954,582)
14	\$ (51,867,666)
15	\$ 174,914,538

Line 3, Column G
 PTO AC Informational Filing
 PTO AC Informational Filing
 Sum lines 12 thru line 14

NSTAR Electric Company (East)
ISO New England Inc Transmission, Markets and Services Tariff, Section II
Actual PTF Revenue Requirements per Attachment F of the ISO-NE OATT
For Costs in 2020
Sheet 9

Line	(a) Description	(b) Amount*	(c) Allocator	(d) Rate Base (Col.b x Col.c)	(e) Reference
Account 190					
1	Post employment benefits accrued	\$ 16,570,389	10.4603%	\$ 1,733,312	FF1 page 234.18(c) Footnote
2	Workers Compensation	2,820,177	10.4603%	294,999	FF1 page 234.18(c) Footnote
3	Workers Compensation gross up payable	5,508,835	10.4603%	576,241	FF1 page 234.18(c) Footnote
4	Self insurance reserves	-	32.9425%	-	FF1 page 234.18(c) Footnote
5	General Liability Self Insurance	1,830,890	10.4603%	191,517	FF1 page 234.18(c) Footnote
6	COVID-19 Accrual	2,006,796	0.0000%	-	FF1 page 234.18(c) Footnote
7	Allowance for uncollectible accounts	15,881,382	0.0000%	-	FF1 page 234.18(c) Footnote
8	Hazardous waste reserves	1,176,488	32.9425%	387,565	FF1 page 234.18(c) Footnote
9	Pension expense	26,972,090	10.4603%	2,821,362	FF1 page 234.18(c) Footnote
10	Pension adjustment mechanism	5,210,737	0.0000%	-	FF1 page 234.18(c) Footnote
11	RAAC deferral	11,329,323	0.0000%	-	FF1 page 234.18(c) Footnote
12	Deferred Net Metering Costs	5,211,734	0.0000%	-	FF1 page 234.18(c) Footnote
13	Deferred Energy Efficiency	-	0.0000%	-	FF1 page 234.18(c) Footnote
14	Vegetation Management	1,272,314	0.0000%	-	FF1 page 234.18(c) Footnote
15	Rate Change to 6.5% in account 190	3,361,718	10.4603%	351,646	FF1 page 234.18(c) Footnote
16	Solar Expansion Costs	6,175,642	0.0000%	-	FF1 page 234.18(c) Footnote
17	EE customer loan	-	0.0000%	-	FF1 page 234.18(c) Footnote
18	Deferred transition revenues	3,402,416	0.0000%	-	FF1 page 234.18(c) Footnote
19	Deferred transmission revenues	-	0.0000%	-	FF1 page 234.18(c) Footnote
20	ASC 740 deferred income taxes (FAS109)	198,644,185	32.9425%	65,438,361	FF1 page 234.18(c) Footnote
21	Other Items	4,359,106	32.9425%	1,435,998	FF1 page 234.18(c) Footnote
22	Total 190 (Sum of Lines 1 through 16)	\$ 311,734,222	23.4915%	\$ 73,231,001	
Account 283					
23	Bond redemption call premiums	(2,520,573)	32.9425%	(830,340)	FF1 page 276.19(k) Footnote
24	Pension expense	(110,295,760)	10.4603%	(11,537,267)	FF1 page 276.19(k) Footnote
25	Post employment benefits accrued	(47,522,456)	10.4603%	(4,970,991)	FF1 page 276.19(k) Footnote
26	Hazardous waste reserves	-	32.9425%	-	FF1 page 276.19(k) Footnote
27	Property tax lien date accrual	(25,319,667)	32.9425%	(8,340,931)	FF1 page 276.19(k) Footnote
28	Workers Compensation gross up payable	(5,508,835)	10.4603%	(576,241)	FF1 page 276.19(k) Footnote
29	Retail adjuster clause deferrals	(65,277,772)	0.0000%	-	FF1 page 276.19(k) Footnote
30	Keep cost receivable	(8,704,256)	0.0000%	-	FF1 page 276.19(k) Footnote
31	Storm contingency fund	(48,767,166)	0.0000%	-	FF1 page 276.19(k) Footnote
32	Injury Damage Public Liability	(10,453,790)	10.4603%	(1,093,498)	FF1 page 276.19(k) Footnote
33	Rate change to 21% in account 283	(38,427,262)	10.4603%	(4,019,607)	FF1 page 276.19(k) Footnote
34	Rate change to 21% in account 283	(9,479,735)	32.9425%	(3,122,862)	FF1 page 276.19(k) Footnote
35	Rate change to 21% in account 283	(16,093,025)	0.0000%	-	FF1 page 276.19(k) Footnote
36	Rate change to 21% in account 283	(13,212,205)	0.0000%	-	FF1 page 276.19(k) Footnote
37	ASC 740 deferred income taxes (FAS109)	73,551,494	32.9425%	24,229,701	FF1 page 276.19(k) Footnote
38	Goodwill	(73,807,479)	0.0000%	-	FF1 page 276.19(k) Footnote
39	Other Items	(3,729,977)	32.9425%	(1,228,748)	FF1 page 276.19(k) Footnote
40	Total 283 (Sum of Lines 18 through 33)	\$ (405,568,464)	2.8333%	\$ (11,490,784)	
41	Wages & Salary Allocator		10.4603%		Sheet 6, Line 13, Col (B)
42	Plant Allocator		32.9425%		Sheet 6, Line 19, Col (B)

NSTAR Electric Company (East)

2020 Scheduling and Dispatch Revenue Requirements

NSTAR Electric Company (East)
Annual Schedule 1 Revenue Requirements - Dispatch Center
Cost Year: 2020
Sheet 1

Line	(a) Description	(b) Tariff Section	(c) Amount	(d) Reference
1	Dispatch Center Investment Base	A.1		
2	Dispatch Center Plant	A.1.a	\$ 11,320,254	Sheet 3, Line 1(f)
3	Dispatch Center Related General Plant	A.1.b	\$ 10,806,386	Sheet 3, Line 2(f)
4	Dispatch Center Plant Held for Future Use	A.1.c	\$ -	Sheet 3, Line 3(f)
5	Total Plant (line 2 + 3 + 4)		<u>\$ 22,126,640</u>	
6	Dispatch Center Related Depreciation Reserve	A.1.d	\$ 9,226,594	Sheet 3, Line 7(f)
7	Dispatch Center Related Accumulated Deferred Taxes	A.1.e	\$ 6,079,640	Sheet 3, Line 13(f)
8	Total Net Plant (line 5 - 6 - 7)		<u>\$ 6,820,406</u>	
9	Other Regulatory Assets	A.1.f	\$ (1,509,205)	Sheet 3, Line 18(f)
10	Dispatch Center Prepayments	A.1.g	\$ 1,680,807	Sheet 3, Line 19(f)
11	Dispatch Center Materials & Supplies	A.1.h	\$ 27,287	Sheet 3, Line 20(f)
12	Dispatch Center Related Cash Working Capital	A.1.i	\$ 778,489	Sheet 3, Line 24(f)
13	Total Dispatch Center Investment Base (sum of lines [8-12])		<u><u>\$ 7,797,784</u></u>	
14	Revenue Requirements			
15	Investment Return and Income Taxes	A.2	\$ 785,807	Sheet 2, Line 38(c)
16	Dispatch Center Depreciation Expense	B	\$ 813,154	Sheet 4, Line 4(f)
17	Dispatch Center Related Amortization of Investment Tax Credits	C	\$ (3,526)	Sheet 4, Line 5(f)
18	Dispatch Center Related Municipal Tax Expense	D	\$ 329,535	Sheet 4, Line 6(f)
19	Dispatch Center Related Payroll Tax Expense	E	\$ 118,559	Sheet 4, Line 7(f)
20	Dispatch Center Operation & Maintenance Expense	F	\$ 3,369,661	Sheet 4, Line 14(f)
21	Dispatch Center Related Administrative and General Expenses	G	\$ 2,858,248	Sheet 4, Line 23(f)
22	Total Revenue Requirements (sum of lines [15-21])		<u><u>\$ 8,271,438</u></u>	
23	PTF Transmission Plant Allocator		79.5513%	PTF Sheet 6, Line 4
24	PTF Revenue Requirement for SCADA (line 22 * 23)		<u><u>\$ 6,580,036</u></u>	

NSTAR Electric Company (East)
Investment Return and Income Taxes
Cost Year: 2020
Sheet 2

Line	(a) Description	(b) Tariff Section	(c) Balance	(d) Capitalization Ratio	(e) Cost	(f) Weighted Cost	(g) Equity Cost	(h) Reference
1	Weighted Cost of Capital	A.2.a						
2	Long Term Debt	A.2.a.i	\$ 3,033,335,899	44.43%	3.76%	1.67%		FF1 page 112.24(c) FN
3	Preferred Stock	A.2.a.ii	\$ 43,000,000	0.63%	4.56%	0.03%	0.03%	FF1 page 112.3(c) FN
4	Common Equity	A.2.a.iii	\$ 3,751,206,129	54.94%	11.07%	6.08%	6.08%	Page 112.16(c) FN (less Line 3)
5	Total (line 2 + 3 + 4)		<u>\$ 6,827,542,028</u>	100.00%		7.78%	6.11%	
6	Total Investment Base		\$ 7,797,784					Sheet 1, Line 13(c)
7	Weighted Cost of Capital		7.78%					Line 5(f)
8	Total Return on Investment		<u>\$ 606,668</u>					Line 6 * Line 7
9	Federal Income Tax	A.2.b						
10	A = Equity Cost		6.11%					Line 5(g)
11	B = Transmission Amortization of ITC		\$ (3,526)					Sheet 4, Line 5(f)
12	C = Equity AFUDC		\$ 3,643					PTO AC Informational Filing
13	Total B + C		\$ 117					Line 11 + Line 12
14	D = Investment Base		\$ 7,797,784					Line 6
15	(B + C) / D		0.0015%					Line 13 / Line 14
16	(A + [(B + C) / D])		6.1115%					Line 10 + Line 15
17	FT = Federal Income Tax Rate		21.00%					Federal corporate tax rate
18	1 - FT		79.00%					1 - Line 17
19	Federal Tax Factor		1.6246%					Line 16 * Line 17 / Line 18
20	Total Federal Income Taxes		<u>\$ 126,683</u>					Line 14 * Line 19
21	State Income Tax	A.2.c						
22	A = Equity Cost		6.11%					Line 5(g)
23	B = Transmission Amortization of ITC		\$ (3,526)					Sheet 4, Line 5(f)
24	C = Equity AFUDC		\$ 3,643					PTO AC Informational Filing
25	Total B + C		\$ 117					Line 23 + Line 24
26	D = Investment Base		\$ 7,797,784					Line 6
27	(B + C) / D		0.0015%					Line 25 / Line 26
28	(A + [(C + B) / D])		6.1115%					Line 22 + Line 27
29	ST = State Income Tax Rate		8.00%					Massachusetts corporate tax rate
30	1 - ST		92.00%					1 - Line 29
31	Federal Tax Factor		1.6246%					Line 19
32	State Tax Factor		0.6727%					(Line 28 + Line 31) * Line 29 / Line 30
33	Total State Income Taxes		<u>\$ 52,456</u>					Line 26 * Line 32
34	Investment Return and Income Taxes	A.2						
35	Return on Investment		\$ 606,668					Line 8
36	Federal Income Taxes		\$ 126,683					Line 20
37	State Income Taxes		\$ 52,456					Line 33
38	Total Investment Return and Income Taxes		<u>\$ 785,807</u>					Sum Lines 35 thru 37
39	Value of 50BP ROE Adder							
40	ROE Adder		0.50%					Per Tariff
41	Equity Ratio		54.94%					Line 4(d)
42	Effective Adder		0.27%					Line 40 * Line 41
43	Tax Gross-up		0.1015%					Line 42 * .375894
44	Adder plus Gross-up		0.3715%					Line 42 + Line 43
45	Rate Base		\$ 7,797,784					Line 6
46	Earned Adder		\$ 28,969					Line 44 * Line 45
47	PTF Ratio		79.5513%					PTF Sheet 6, Line 4
48	PTF Related Adder		<u>\$ 23,045</u>					Line 46 * Line 47

NSTAR Electric Company (East)
 Dispatch Center Investment Base
 Cost Year: 2020
 Sheet 3

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocator	(e) Allocation Factor	(f) Dispatch Center Allocated	(g) Reference
1	Dispatch Center Plant	A.1.a				\$ 11,320,254	Sheet 6 Line 8 (c)
2	Dispatch Center Related General Plant	A.1.b	\$ 395,591,962	W&S	2.7317%	\$ 10,806,386	FF1 page 204.99(g) FN
3	Dispatch Center Plant Held for Future Use	A.1.c				\$ -	FF1 page 214
4	Dispatch Center Related Depreciation Reserve	A.1.d				\$ 6,425,091	Prior Year Acc. Dep plus Current Year Dep.
5	Dispatch Center Depreciation Reserve					\$ 2,801,503	FF1 page 219.28(c) FN
6	Transmission Related General Depreciation Reserve		\$ 102,555,284	W&S	2.7317%	\$ 9,226,594	
7	Total Dispatch Center Related Depreciation Reserve (line 5 + 6)						
8	Dispatch Center Related Accumulated Deferred Taxes	A.1.e				\$ -	FF1 page 273.17(k)
9	ADIT - Accelerated Amortization Property (Acct #281)					\$ 2,386,885	Line 27
10	ADIT - Other Property (Acct #282)		\$ 1,035,974,366	Plant	0.2304%	\$ 5,722,005	Sheet 7, Line 37(d)
11	ADIT - Other (Acct #283)			Plant	0.2304%	\$ 2,029,250	Sheet 7, Line 19(d)
12	Less: ADIT (Acct #190)					\$ -	
13	Total Dispatch Center Related ADIT (line 9 + 10 + 11 - 12)					\$ 6,079,640	
14	Other Regulatory Assets	A.1.f				\$ -	FF1 page 232.1
15	FAS 106			W&S	2.7317%	\$ 204,904	FF1 page 232.22(f) FN
16	ASC 740 Regulatory Asset (FAS 109)		\$ 88,933,989	Plant	0.2304%	\$ 1,714,109	FF1 page 278.1(f) FN
17	Less: ASC 740 Regulatory Liability (FAS 109)		\$ 242,311,120	T Plant	0.7074%	\$ (1,509,205)	
18	Total Other Regulatory Assets (line 15 + 16 - 17)		\$ (153,377,131)			\$ -	
19	Dispatch Center Prepayments	A.1.g	\$ 61,529,690	W&S	2.7317%	\$ 1,680,807	FF1 page 110.57(c) FN
20	Dispatch Center Materials and Supplies	A.1.h	\$ 11,843,469	Plant	0.2304%	\$ 27,287	FF1 page 227.5(c) FN + 227.6(c) FN
21	Dispatch Center Related Cash Working Capital	A.1.i				\$ 421,208	Sheet 4, Line 14(f)
22	Dispatch Center Operation and Maintenance Expense		\$ 3,369,661	WC	12.50%	\$ 357,281	Sheet 4, Line 23(f)
23	Dispatch Center Related Administrative and General Expense		\$ 2,858,248	WC	12.50%	\$ 778,489	
24	Total Dispatch Center Related Cash Working Capital (line 22 + 23)		\$ 6,227,909			\$ -	
25	Account 282		\$ 1,035,974,366			\$ -	FF1 page 274.9(k) FN
26	less amounts related to divestiture		\$ -			\$ -	FF1 page 274.4(k) FN
27	Total Account 282 (line 25 + 26)		\$ 1,035,974,366			\$ -	

Notes:

Line	Description	Allocation Factor	Reference
28	Wages & Salary Allocation (W&S)	2.7317%	Sheet 6, Line 6(c)
29	Plant Allocation (Plant)	0.2304%	Sheet 6, Line 12(c)
30	Transmission Plant Allocation (T Plant)	0.7074%	Sheet 6, Line 18(c)
31	Cash Working Capital (WC)	12.50%	OATT - Schedule 1, A.1.i

NSTAR Electric Company (East)
 Dispatch Center Expenses
 Cost Year: 2020
 Sheet 4

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocators	(e) Allocation Factor	(f) = (c) * (e) Dispatch Center Allocated	(g) Reference
1	Dispatch Center Depreciation Expense	B					
2	Dispatch Center Plant Depreciation Expense		\$ 19,633,457	W&S	2.7317%	\$ 276,827	See Line 30(d)
3	General Plant Depreciation Expense					\$ 536,327	FF1 page 336.10(b) FN
4	Total Dispatch Center Depreciation Expense (line 2 + 3)					<u>\$ 813,154</u>	
5	Dispatch Center Related Amortization of Investment Tax Credits	C	\$ (1,530,495)	Plant	0.2304%	\$ (352,6)	FF1 page 266.8(h) FN
6	Dispatch Center Related Municipal Tax Expense	D	\$ 143,027,280	Plant	0.2304%	\$ 329,535	FF1 page 262.30(i) FN
7	Dispatch Center Related Payroll Tax Expense	E	\$ 4,340,122	W&S	2.7317%	\$ 118,559	FF1 page 262 in. 4(i) +6(i) +9(i) +14(i) +19(i) +21(i) +25(i) +34(i) +38(i) + FF1 page 262.1 in. 3(i) +7(i) +12(i) +16(i) +17(i)
8	Dispatch Center Operations & Maintenance Expense	F		Direct	100.0000%	\$ -	FF1 page 320.84(b)
9	Load dispatching (Acct #561)		\$ -	Direct	100.0000%	\$ 1,374,064	FF1 page 320.85(b) FN
10	Load dispatching - Reliability (Acct #561.1)		\$ 1,374,064	Direct	100.0000%	\$ 1,368,837	FF1 page 320.86(b) FN
11	Load dispatching - Mon & Oper Trans System (Acct #561.2)		\$ 1,368,837	Direct	100.0000%	\$ 626,760	FF1 page 320.87(b) FN
12	Load dispatching - Trans Service & Scheduling (Acct #561.3)		\$ 626,760	Direct	100.0000%	\$ -	FF1 page 320.88(b) FN, Note 1
13	Scheduling, System Control and Dispatch Services (Acct #561.4)		\$ 12,083,228		0%	\$ -	
14	Total Dispatch Center O&M Expense (sum of lines 9-13)		<u>\$ 15,452,889</u>			<u>\$ 3,369,661</u>	
15	Dispatch Center Related Administrative & General Expenses	G					
16	Administrative and General Expenses		\$ 119,880,774				FF1 page 320.197(b) FN
17	less: Property Insurance (Acct #924)		\$ 918,595				FF1 page 320.197(b) FN
18	less: Regulatory Commission Expenses (Acct #928)		\$ 14,460,991				FF1 page 320.197(b) FN
19	less: General Advertising Expenses (Acct #930.1)		\$ 179,160				FF1 page 320.197(b) FN
20	Subtotal (line 16 - sum of lines 17-19)		\$ 104,322,028	W&S	2.7317%	\$ 2,849,765	
21	Property Insurance		\$ 918,595	Plant	0.2304%	\$ 2,116	FF1 page 320.197(b) FN
22	FERC Assessments in Regulatory Commission Expenses (Acct #928)		\$ 2,763,581	Plant	0.2304%	\$ 6,367	FF1 page 350.7(d) + page 350.10(d)
23	Total Dispatch Center Related A&G Expenses (sum of lines 20-22)		<u>\$ 108,004,204</u>			<u>\$ 2,858,248</u>	

NOTES:

Allocation Factor	Description	Reference	Life Depr. Rate	Depreciation Expense	Reference
100.0000%	Direct Allocation (Direct)			\$ 201,543	Internal Records
2.7317%	Wages & Salaries Allocation (W&S)	Sheet 6, Line 6(c)	2.53%	\$ 61,674	Internal Records
0.2304%	Plant Allocation (Plant)	Sheet 6, Line 12(c)	2.19%	\$ 13,610	Internal Records
0.7074%	Transmission Plant Allocation (T Plant)	Sheet 6, Line 18(c)	2.53%	\$ 276,827	Sum Lines 28 thru 30
Total Investment					
	Mass. Ave. Service Center - 431 (Trans. Station Equipment)				
	SCADA Mass. Ave. - 421 (Trans. & Conversion Station Structures)				
	SCADA Mass. Ave. - 431 (Trans. Station Equipment)				
	Total				

Note 1 - Recovered through distribution rates because it is related to RTO billing, so it is excluded from Schedule 1 Rate.

NSTAR Electric Company (East)
 Dispatch Center Revenues
 Cost Year: 2020
 Sheet 5

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocator	(e) Allocation Factor	(f) = (c) * (e) Dispatch Center Allocated	(g) Reference
1	Revenues received from ISO		\$ 216,724	Direct	100.00000%	\$ 216,724	Note 1
2	NEPOOL Scheduling & Dispatch Revenue		\$ 216,724			\$ 216,724	
3	Total Revenues Received from ISO		\$ 216,724			\$ 216,724	

NOTES:

Line	Description	Allocation Factor	Reference
5			
6	Direct Allocation (Direct)	100.00000%	

Note 1 - Reflects actual information per the Company's accounting records.

NSTAR Electric Company (East)
 Allocation Factors
 Cost Year: 2020
 Sheet 6

Line	(a) Description	(b) Tariff Section	(c) Amount	(d) Reference
1	Dispatch Center Wages & Salaries Allocation Factor			
2	Direct Dispatch Center Wages & Salaries	Definitions	\$ 3,286,315	Note 1
3	NSTAR East Electric Direct Wages & Salaries		\$ 159,613,076	FF1 page 354.28(b) FN
4	Less: Administrative & General Wages & Salaries		\$ 39,309,356	FF1 page 354.27(b) FN
5	Net NSTAR East Electric Wages & Salaries (line 3 - 4)		\$ 120,303,720	
6	Wages & Salaries Allocation Factor (line 2 / 5)		2.7317%	
7	Dispatch Center Plant Allocation Factor			
8	Total Investment in Dispatch Center Plant	Definitions	\$ 11,320,254	Note 1
9	Dispatch Center Related General Plant		\$ 10,806,386	Sheet 3, Line 2(f)
10	Total Dispatch Center Plant Investment (line 8 + 9)		\$ 22,126,640	
11	Total Plant in Service		\$ 9,602,294,957	FF1 page 204.100(g) FN MINUS 204.45(g) FN MINUS 204.58(g) FN MINUS 204.75(g) FN MINUS 204.99(g) FN
12	Plant Allocation Factor (line 10 / 11)		0.2304%	
13	Dispatch Center Transmission Plant Allocation Factor			
14	Total Investment in Dispatch Center Plant (line 8)	Definitions	\$ 11,320,254	
15	Dispatch Center Related General Plant (line 9)		\$ 10,806,386	
16	Total Dispatch Center Plant Investment (line 14 + 15)		\$ 22,126,640	
17	Total Investment in Transmission Plant		\$ 3,128,001,692	FF1 204.58(g)FN - 204.58(g) account 359.1 ARO
18	Dispatch Center Transmission Plant Allocation Factor (line 16 / 17)		0.7074%	

Note 1 - Reflects actual information per the Company's accounting records.

NSTAR Electric Company (East)
Accumulated Deferred Income Taxes (Accounts 190 & 283)
Cost Year: 2020
Sheet 7

Line	(a) Description	(b) Amount	(c) Allocator	(d) = (b) * (c) Rate Base	(e) Notes
1	Account 190				
2	Post Employment Benefits Accrued	\$ 16,570,389	2.7317%	\$ 452,653	FF1 page 234.18(c) FN
3	Workers Compensation	2,820,177	2.7317%	\$ 77,039	FF1 page 234.18(c) FN
4	Workers Compensation Gross Up Payable	5,508,835	2.7317%	\$ 150,485	FF1 page 234.18(c) FN
5	General Liability Self Insurance	1,830,890	2.7317%	\$ 50,014	FF1 page 234.18(c) FN
6	Hazardous Waste Reserves	1,176,488	0.2304%	\$ 2,711	FF1 page 234.18(c) FN
7	Allowance for Uncollectible Accounts	15,881,382	0.0000%	\$ -	FF1 page 234.18(c) FN
8	Pension Expense	26,972,090	2.7317%	\$ 736,797	FF1 page 234.18(c) FN
9	Pension Adjustment Mechanism	5,210,737	0.0000%	\$ -	FF1 page 234.18(c) FN
10	COVID-19 Accrual	2,006,796	0.0000%	\$ -	FF1 page 234.18(c) FN
11	ASC 740 Deferred Income Taxes (FAS 109)	198,644,185	0.2304%	\$ 457,676	FF1 page 234.18(c) FN
12	Other Items	4,359,106	0.2304%	\$ 10,043	FF1 page 234.18(c) FN
13	Deferred Net Metering Costs	5,211,734	0.0000%	\$ -	FF1 page 234.18(c) FN
14	Vegatation Management	1,272,314	0.0000%	\$ -	FF1 page 234.18(c) FN
15	Rate Change to 6.5% in Account 190	3,361,718	2.7317%	\$ 91,832	FF1 page 234.18(c) FN
16	Solar Expansion Costs	6,175,642	0.0000%	\$ -	FF1 page 234.18(c) FN
17	RAAC Deferral	11,329,323	0.0000%	\$ -	FF1 page 234.18(c) FN
18	Deferred Transition Revenues	3,402,416	0.0000%	\$ -	FF1 page 234.18(c) FN
19	Total 190	\$ 311,734,222	0.6510%	\$ 2,029,250	Sum Lines 2 thru 18
20	Account 283				
21	Injury Damage Public Liability	(10,453,790)	2.7317%	\$ (285,566)	FF1 page 276.19(k) FN
22	Bond Redemption Call Premiums	(2,520,573)	0.2304%	\$ (5,807)	FF1 page 276.19(k) FN
23	Pension Expense	(110,295,760)	2.7317%	\$ (3,012,949)	FF1 page 276.19(k) FN
24	Post Employment Benefits Accrued	(47,522,456)	2.7317%	\$ (1,298,171)	FF1 page 276.19(k) FN
25	Property Tax Lien Date Accrual	(25,319,667)	0.2304%	\$ (58,337)	FF1 page 276.19(k) FN
26	Workers Compensation Gross Up Payable	(5,508,835)	2.7317%	\$ (150,485)	FF1 page 276.19(k) FN
27	Retail Adjuster Clause Deferrals	(65,277,772)	0.0000%	\$ -	FF1 page 276.19(k) FN
28	Keep Cost Receivable	(8,704,256)	0.0000%	\$ -	FF1 page 276.19(k) FN
29	Storm Contingency Fund	(48,767,166)	0.0000%	\$ -	FF1 page 276.19(k) FN
30	Rate change to 21% in account 283 (labor)	(38,427,262)	2.7317%	\$ (1,049,718)	FF1 page 276.19(k) FN
31	Rate change to 21% in account 283 (plant)	(9,479,735)	0.2304%	\$ (21,841)	FF1 page 276.19(k) FN
32	Rate change to 21% in account 283 (distribution)	(16,093,025)	0.0000%	\$ -	FF1 page 276.19(k) FN
33	Rate change to 21% in account 283 (retail adjuster clause)	(13,212,205)	0.0000%	\$ -	FF1 page 276.19(k) FN
34	ASC 740 Deferred Income Taxes (FAS 109)	73,551,494	0.2304%	\$ 169,463	FF1 page 276.19(k) FN
35	Goodwill	(73,807,479)	0.0000%	\$ -	FF1 page 276.19(k) FN
36	Other Items	(3,729,977)	0.2304%	\$ (8,594)	FF1 page 276.19(k) FN
37	Total 283	\$ (405,568,464)	1.4109%	\$ (5,722,005)	
38	Wages & Salary Allocator		2.7317%		Sheet 6, Line 6, Col (c)
39	Plant Allocator		0.2304%		Sheet 6, Line 12, Col (c)

NSTAR Electric Company (East)

2020 Construction Work In Progress (CWIP)

**NSTAR Electric Company (East)
Supporting Documentation**

Transmission Construction Work in Progress

Under the terms of Section II.A.1(d) of Attachment D to Schedule 21-NSTAR, the Company is allowed to include 50% of its transmission-related investment in FERC Account No. 107, Construction Work In Progress (“CWIP”), as a component of Transmission Investment Base. This provision is subject to Section 4.1 of Schedule 21-NSTAR which establishes a requirement for an annual CWIP Supplement to be filed on or before June 30th each year. In order to provide information on the specific projects included in the Company’s 2020 Annual Informational Filing and until such time as the full CWIP Supplement is filed, the Company has prepared the attached worksheet which shows all transmission-related CWIP as detailed in its FERC Form 1 for 2020 and further shows which of those projects have been previously shown in the Company’s long-range plan and are includable in the 2020 Annual Informational Filing.

NSTAR Electric Company (East)
 2020 Summary of Claimed Transmission CWIP

Line #	NSTAR Project #	Project Description	CWIP Balance @ 12/31/2020	In NSTAR Plan	NSTAR Plan Year	FF1 Reference	Work Order Type
1	14226	Line 115kV Underground Woburn to Mystic	\$ 73,674,202	\$ 73,674,202	2021	Page 216.1 In 40 Col (b)	Transmission Line
2	13274	West Roxbury to Needham Reliability	\$ 29,570,211	\$ 29,570,211	2021	Page 216.1 In 41 Col (b)	Transmission Line
3	12133	Line 345kV Woburn Station 211 to Wakefield	\$ 25,126,694	\$ 25,126,694	2021	Page 216.1 In 42 Col (b)	Transmission Line
4	14225	New Line 115kV Sudbury to Hudson	\$ 18,316,763	\$ 18,316,763	2021	Page 216.2 In 1 Col (b)	Transmission Line
5	15152	Station 514 Replace 115KV Breakers	\$ 12,586,260	\$ 12,586,260	2021	Page 216.2 In 2 Col (b)	Transmission Station
6	17240	Station 250 Fencing	\$ 11,786,585	\$ 11,786,585	2021	Page 216.2 In 3 Col (b)	Transmission Station
7	20105	Rebuild Bourne Substation	\$ 11,798,519	\$ 11,798,519	2021	Page 216.2 In 4 Col (b)	Transmission Station
8	17366	Canal Asset Condition Upgrade	\$ 10,328,697	\$ 10,328,697	2021	Page 216.2 In 5 Col (b)	Transmission Station
9	13325	Station 131 East Boston - Transmission Station	\$ 8,841,126	\$ 8,841,126	2021	Page 216.2 In 6 Col (b)	Transmission Station
10	14229	Line 111 Ext from Cross Road-Fisher Road	\$ 6,670,678	\$ 6,670,678	2021	Page 216.2 In 7 Col (b)	Transmission Line
11	11230	Line 115 Mid Cape	\$ 5,612,054	\$ 5,612,054	2021	Page 216.2 In 8 Col (b)	Transmission Line
12		Transmission Station Improvements North	\$ 5,519,625	\$ -		Page 216.2 In 9 Col (b)	
13		Preliminary Engineering Transmission Lines	\$ 5,675,873	\$ -		Page 216.2 In 10 Col (b)	
14		Wellfleet Transformer Replacement & ACU	\$ 4,721,521	\$ -		Page 216.2 In 11 Col (b)	
15	16111	North Washington Bridge Reconductor	\$ 4,693,561	\$ 4,693,561	2021	Page 216.2 In 12 Col (b)	Transmission Line
16		Transmission Line North	\$ 4,497,789	\$ -		Page 216.2 In 13 Col (b)	
17	18347	Mystic to Golden Hills Reliability Improvements	\$ 5,307,895	\$ 5,307,895	2021	Page 216.2 In 14 Col (b)	Transmission Line
18	17308	Station 8025 - Transmission Line	\$ 4,152,529	\$ 4,152,529	2021	Page 216.2 In 15 Col (b)	Transmission Line
19	17307	Station 8025 - Transmission Station	\$ 4,133,542	\$ 4,133,542	2021	Page 216.2 In 16 Col (b)	Transmission Station
20	17382	Andrew Square Dewar St 115 KV Line	\$ 4,195,553	\$ 4,195,553	2021	Page 216.2 In 17 Col (b)	Transmission Line
21	17573	SEMA RI Solution 122/135 DCT	\$ 3,327,116	\$ 3,327,116	2021	Page 216.2 In 18 Col (b)	Transmission Line
22	11284	Station 250 Upgrade Control House	\$ 2,446,198	\$ 2,446,198	2021	Page 216.2 In 19 Col (b)	Transmission Station
23	17376	Carver to Kingston 115KV Line 147	\$ 2,220,032	\$ 2,220,032	2021	Page 216.2 In 20 Col (b)	Transmission Line
24	13326	Station 131 East Boston - Transmission Line	\$ 2,073,667	\$ 2,073,667	2021	Page 216.2 In 21 Col (b)	Transmission Line
25	17381	Extend 115 KV Line 114 from Tap	\$ 2,009,181	\$ 2,009,181	2021	Page 216.2 In 22 Col (b)	Transmission Line
26	14395	Kingston Station 735 Rebuild	\$ 1,851,028	\$ 1,851,028	2021	Page 216.2 In 23 Col (b)	Transmission Station
27		IEC 61850 Transmission Simulator	\$ 1,768,375	\$ -		Page 216.2 In 24 Col (b)	
28	BGE3PS	Brown Glass Insulator Replacement Program	\$ 1,681,176	\$ 1,681,176	2021	Page 216.2 In 25 Col (b)	Transmission Station
29		Preliminary Engineering Transmission Station	\$ 1,920,926	\$ -		Page 216.2 In 26 Col (b)	
30	11282	Station 385 Control House and Cutovers	\$ 1,546,674	\$ 1,546,674	2021	Page 216.2 In 27 Col (b)	Transmission Station
31	17242	Station 385 K Street Fencing	\$ 1,287,340	\$ 1,287,340	2021	Page 216.2 In 28 Col (b)	Transmission Station
32	17365	Lexington Upgrade	\$ 1,212,488	\$ 1,212,488	2021	Page 216.2 In 29 Col (b)	Transmission Station
33		Projects Under \$1,000,000 (A)	\$ 13,621,445	\$ 3,728,472		Page 216.2 In 30 Col (b)	
34		Subtotal: Transmission Projects	\$ 294,175,323	\$ 260,178,241			

NSTAR Electric Company (East)
 2020 Summary of Claimed Transmission CWIP

Line #	NSTAR Project #	Project Description	CWIP Balance @ 12/31/2020	In NSTAR Plan	NSTAR Plan Year	FF1 Reference	Work Order Type
(A) CWIP Projects Less than \$1,000,000							
35	18363	Station 446 Breaker Upgrade	\$	575,428	2021	Page 216.2 In 30 Col (b)	Transmission Station
36	17551	Replace Brown Glass Ins Station 446	\$	522,622		Page 216.2 In 30 Col (b)	Transmission Station
37	17570	Brown Glass Replace Station 478	\$	921,913		Page 216.2 In 30 Col (b)	Transmission Station
38	15278	Critical Infrastructure V14 IDS	\$	143,714		Page 216.2 In 30 Col (b)	Transmission Station
39	18236	EMA Battery Monitoring	\$	62,978		Page 216.2 In 30 Col (b)	Transmission Station
40	17339	Medway 65 201-502 Loop T Station SRI	\$	923,844	2021	Page 216.2 In 30 Col (b)	Transmission Station
41	17383	Andrew Square Dewar St 115KV Station	\$	361,281	2021	Page 216.2 In 30 Col (b)	Transmission Station
42	17226	Chelsea Substation Project	\$	216,692	2021	Page 216.2 In 30 Col (b)	Transmission Station
43		Subtotal: Projects under \$1,000,000	\$	3,728,472			

NSTAR Electric Company (East)

2020 True-up Schedules with Interest

NSTAR Electric Company (East)
 Reconciliation of 2020 OATT Transmission Service - Wholesale True-Up

Month	Demand (kW)	2020 Estimated Billing						2020 Actual						
		NSTAR (East)		Other		Total		NSTAR (East)		Other		Total Wholesale		
		Wholesale	Col. C	Wholesale	Col. D	Wholesale	Col. E	Col. C + Col. D	Col. E / Col. B	Wholesale	Col. H	Wholesale	Col. I	Col. J
Jan-2020	3,792,000	\$ 7,566,875	\$ 161,208	\$ 7,728,083	\$ 2,0380	\$ 9,136,732	\$ 194,271	\$ 9,331,004						
Feb-2020	3,603,000	\$ 7,567,185	\$ 160,898	\$ 7,728,083	\$ 2,1449	\$ 9,136,639	\$ 194,365	\$ 9,331,004						
Mar-2020	3,323,000	\$ 7,567,107	\$ 160,976	\$ 7,728,083	\$ 2,3256	\$ 9,137,572	\$ 193,432	\$ 9,331,004						
Apr-2020	3,018,000	\$ 7,567,880	\$ 160,204	\$ 7,728,084	\$ 2,5607	\$ 9,138,412	\$ 192,592	\$ 9,331,004						
May-2020	3,544,000	\$ 7,568,575	\$ 159,508	\$ 7,728,083	\$ 2,1806	\$ 9,140,651	\$ 190,352	\$ 9,331,004						
Jun-2020	4,720,000	\$ 7,570,430	\$ 157,653	\$ 7,728,083	\$ 1,6373	\$ 9,142,237	\$ 188,766	\$ 9,331,004						
Jul-2020	5,590,000	\$ 7,571,744	\$ 156,338	\$ 7,728,082	\$ 1,3825	\$ 9,142,797	\$ 188,206	\$ 9,331,004						
Aug-2020	5,498,000	\$ 7,572,208	\$ 155,875	\$ 7,728,083	\$ 1,4056	\$ 9,143,264	\$ 187,740	\$ 9,331,004						
Sep-2020	4,365,000	\$ 7,572,594	\$ 155,489	\$ 7,728,083	\$ 1,7705	\$ 9,142,890	\$ 188,113	\$ 9,331,004						
Oct-2020	3,433,000	\$ 7,572,285	\$ 155,798	\$ 7,728,083	\$ 2,2511	\$ 9,143,077	\$ 187,926	\$ 9,331,004						
Nov-2020	3,615,000	\$ 7,572,440	\$ 155,643	\$ 7,728,083	\$ 2,1378	\$ 9,145,037	\$ 185,967	\$ 9,331,004						
Dec-2020	3,870,000	\$ 7,574,063	\$ 154,021	\$ 7,728,084	\$ 1,9969	\$ 9,146,996	\$ 184,007	\$ 9,331,004						
Total	48,371,000	\$ 90,843,386	\$ 1,893,611	\$ 92,736,997		\$ 109,696,304	\$ 2,275,738	\$ 111,972,042					2,3149	
True-up														\$ 19,235,045

Col. B = per FFI p.400 col.(b) (MW * 1000)
 Col. C and Col. D per Monthly Billings
 Col. J = 2020 LNS True-Up Summary Sheet Line 7

* Includes both wholesale transmission customers (Other Wholesale) and retail electric customers (NSTAR (East) Wholesale) of NSTAR Electric Company (East).
 True-Up for retail electric customers alone may be found on Page 41.

NSTAR Electric Company (East)
 Wholesale True-Up With Interest

Month	2020 As Billed			2020 Actual			2020 True-Up			(b) Interest Rate*	(c) = (a) + (b) Interest	(d) = cumulative (c) + (a) Total True-Up Adjustment
	NSTAR (East)		Total Wholesale	NSTAR (East)		Total Wholesale	NSTAR (East)		Total Wholesale			
	Wholesale	Other		Wholesale	Other		Wholesale	Other				
Jan-2020	\$ 7,566,875	\$ 161,208	\$ 7,728,083	\$ 9,136,732	\$ 194,271	\$ 9,331,004	\$ 1,569,857	\$ 33,063	\$ 1,602,921	\$ 6,732	\$ 1,609,653	
Feb-2020	\$ 7,567,185	\$ 160,898	\$ 7,728,083	\$ 9,136,639	\$ 194,265	\$ 9,331,004	\$ 1,569,454	\$ 33,467	\$ 1,602,921	\$ 12,503	\$ 3,225,076	
Mar-2020	\$ 7,567,107	\$ 160,976	\$ 7,728,083	\$ 9,137,572	\$ 193,632	\$ 9,331,004	\$ 1,570,465	\$ 32,456	\$ 1,602,921	\$ 20,197	\$ 4,848,194	
Apr-2020	\$ 7,567,880	\$ 160,204	\$ 7,728,084	\$ 9,138,412	\$ 192,592	\$ 9,331,004	\$ 1,570,532	\$ 32,388	\$ 1,602,920	\$ 25,159	\$ 6,476,272	
May-2020	\$ 7,568,575	\$ 159,508	\$ 7,728,083	\$ 9,140,651	\$ 190,352	\$ 9,331,004	\$ 1,572,076	\$ 30,844	\$ 1,602,921	\$ 32,216	\$ 8,111,409	
Jun-2020	\$ 7,570,430	\$ 157,653	\$ 7,728,083	\$ 9,142,237	\$ 188,766	\$ 9,331,004	\$ 1,571,807	\$ 31,113	\$ 1,602,921	\$ 37,662	\$ 9,751,991	
Jul-2020	\$ 7,571,744	\$ 156,338	\$ 7,728,082	\$ 9,142,797	\$ 188,206	\$ 9,331,004	\$ 1,571,053	\$ 31,868	\$ 1,602,922	\$ 32,929	\$ 11,387,842	
Aug-2020	\$ 7,572,208	\$ 155,875	\$ 7,728,083	\$ 9,143,264	\$ 187,740	\$ 9,331,004	\$ 1,571,056	\$ 31,865	\$ 1,602,921	\$ 37,578	\$ 13,028,340	
Sep-2020	\$ 7,572,594	\$ 155,489	\$ 7,728,083	\$ 9,142,890	\$ 188,113	\$ 9,331,004	\$ 1,570,296	\$ 32,624	\$ 1,602,921	\$ 40,770	\$ 14,672,031	
Oct-2020	\$ 7,572,285	\$ 155,798	\$ 7,728,083	\$ 9,143,077	\$ 187,926	\$ 9,331,004	\$ 1,570,792	\$ 32,128	\$ 1,602,921	\$ 45,570	\$ 16,320,521	
Nov-2020	\$ 7,572,440	\$ 155,643	\$ 7,728,083	\$ 9,145,037	\$ 185,967	\$ 9,331,004	\$ 1,572,597	\$ 30,324	\$ 1,602,921	\$ 48,270	\$ 17,971,712	
Dec-2020	\$ 7,574,063	\$ 154,021	\$ 7,728,084	\$ 9,146,996	\$ 184,007	\$ 9,331,004	\$ 1,572,933	\$ 29,986	\$ 1,602,920	\$ 54,546	\$ 19,629,177	
Jan-2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,962	\$ 19,684,139	
Feb-2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,073	\$ 19,733,212	
Mar-2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,962	\$ 19,788,174	
Apr-2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,428	\$ 19,841,602	
May-2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,407	\$ 19,897,009	
Jun-2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,428	\$ 19,950,437	
Total	\$ 90,843,386	\$ 1,893,611	\$ 92,736,997	\$ 109,696,304	\$ 2,275,738	\$ 111,972,042	\$ 18,852,918	\$ 382,127	\$ 19,235,045	\$ 715,392	\$	

* Interest Rate per FERC Web Site. Calculation in accordance with 18 CFR 35.19(a)(2)(iii).

<https://www.ferc.gov/info/electric/wholesale/interest-rates.asp>

NSTAR Electric Company (East)
 Reconciliation of 2020 OATT Transmission Service - Retail True-Up*

Month	Demand (kW)	Retail Billed		Trans. Rate	NSTAR (East) Wholesale and		Other Wholesale	Retail Actual
	Col. B	Col. C	Col. D	(\$/kW) Billed	Other Wholesale Actual	Rev Credit	Amount	
Col. A			Col. C / Col. B		Col. E	Col. F	Col. G	
Jan-2020	3,792,000	\$ 7,566,000	\$ 1.9953	\$ 9,331,004	\$ (161,208)	\$ 9,169,796		
Feb-2020	3,603,000	\$ 7,566,000	\$ 2.0999	\$ 9,331,004	\$ (160,898)	\$ 9,170,106		
Mar-2020	3,323,000	\$ 7,566,000	\$ 2.2769	\$ 9,331,004	\$ (160,976)	\$ 9,170,028		
Apr-2020	3,018,000	\$ 7,566,000	\$ 2.5070	\$ 9,331,004	\$ (160,204)	\$ 9,170,800		
May-2020	3,544,000	\$ 7,566,000	\$ 2.1349	\$ 9,331,004	\$ (159,508)	\$ 9,171,496		
Jun-2020	4,720,000	\$ 7,566,000	\$ 1.6030	\$ 9,331,004	\$ (96,653)	\$ 9,234,351		
Jul-2020	5,590,000	\$ 7,566,000	\$ 1.3535	\$ 9,331,004	\$ (156,338)	\$ 9,174,666		
Aug-2020	5,498,000	\$ 7,566,000	\$ 1.3761	\$ 9,331,004	\$ (155,875)	\$ 9,175,129		
Sep-2020	4,365,000	\$ 7,566,000	\$ 1.7333	\$ 9,331,004	\$ (155,489)	\$ 9,175,515		
Oct-2020	3,433,000	\$ 7,566,000	\$ 2.2039	\$ 9,331,004	\$ (155,798)	\$ 9,175,206		
Nov-2020	3,615,000	\$ 7,566,000	\$ 2.0929	\$ 9,331,004	\$ (155,643)	\$ 9,175,361		
Dec-2020	3,870,000	\$ 7,566,000	\$ 1.9550	\$ 9,331,004	\$ (154,021)	\$ 9,176,983		
Total	48,371,000	\$ 90,792,000		\$ 111,972,042	\$ (1,832,611)	\$ 110,139,431		

LNS Rate (\$ per kW)

Col. E Total / Col. B Total

\$ 2.3149

True-Up

Col. G Total - Col. C Total

\$ 19,347,431

Col. B = per FF1 p.400 col.(b) (MW * 1000)

Col. C = Retail LNS Forecast amount

Col. F = 2020 LNS Revenue Requirement, Sheet 1, Line 42

* Includes only retail electric customers of NSTAR Electric Company (East)

NSTAR Electric Company (East)
 Retail True-Up With Interest

Month	2020 As Billed	2020 Actual	2020 True-Up	Cumulative Difference	Interest Rate*	Interest	Total True-Up	
							Adjustment	Interest
Jan-2020	\$ 7,566,000	\$ 9,169,796	\$ 1,603,796	\$ 1,603,796	0.42%	\$ 6,736	\$ 1,610,531	\$ 6,736
Feb-2020	\$ 7,566,000	\$ 9,170,106	\$ 1,604,106	\$ 3,207,901	0.39%	\$ 12,511	\$ 3,227,148	\$ 12,511
Mar-2020	\$ 7,566,000	\$ 9,170,028	\$ 1,604,028	\$ 4,811,929	0.42%	\$ 20,210	\$ 4,851,385	\$ 20,210
Apr-2020	\$ 7,566,000	\$ 9,170,800	\$ 1,604,800	\$ 6,456,185	0.39%	\$ 25,179	\$ 6,481,364	\$ 25,179
May-2020	\$ 7,566,000	\$ 9,171,496	\$ 1,605,496	\$ 8,061,680	0.40%	\$ 32,247	\$ 8,119,106	\$ 32,247
Jun-2020	\$ 7,566,000	\$ 9,234,351	\$ 1,668,351	\$ 9,730,031	0.39%	\$ 37,947	\$ 9,825,404	\$ 37,947
Jul-2020	\$ 7,566,000	\$ 9,174,666	\$ 1,608,666	\$ 11,434,069	0.29%	\$ 33,159	\$ 11,467,228	\$ 33,159
Aug-2020	\$ 7,566,000	\$ 9,175,129	\$ 1,609,129	\$ 13,043,198	0.29%	\$ 37,825	\$ 13,114,182	\$ 37,825
Sep-2020	\$ 7,566,000	\$ 9,175,515	\$ 1,609,515	\$ 14,652,712	0.28%	\$ 41,028	\$ 14,764,724	\$ 41,028
Oct-2020	\$ 7,566,000	\$ 9,175,206	\$ 1,609,206	\$ 16,373,929	0.28%	\$ 45,847	\$ 16,419,776	\$ 45,847
Nov-2020	\$ 7,566,000	\$ 9,175,361	\$ 1,609,361	\$ 17,983,290	0.27%	\$ 48,555	\$ 18,077,692	\$ 48,555
Dec-2020	\$ 7,566,000	\$ 9,176,983	\$ 1,610,983	\$ 19,594,272	0.28%	\$ 54,864	\$ 19,743,538	\$ 54,864
Jan-2021	\$ -	\$ -	\$ -	\$ 19,743,538	0.28%	\$ 55,282	\$ 19,798,820	\$ 55,282
Feb-2021	\$ -	\$ -	\$ -	\$ 19,743,538	0.25%	\$ 49,359	\$ 19,848,179	\$ 49,359
Mar-2021	\$ -	\$ -	\$ -	\$ 19,743,538	0.28%	\$ 55,282	\$ 19,903,461	\$ 55,282
Apr-2021	\$ -	\$ -	\$ -	\$ 19,903,461	0.27%	\$ 53,739	\$ 19,957,200	\$ 53,739
May-2021	\$ -	\$ -	\$ -	\$ 19,903,461	0.28%	\$ 55,730	\$ 20,012,930	\$ 55,730
Total	\$ 90,792,000	\$ 110,139,431	\$ 19,347,431			\$ 665,499		\$ 665,499

* Interest Rate per FERC Web Site. Calculation in accordance with 18 CFR 35.19a (a)(2)(iii).

<https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>

NSTAR Electric Company (East)

2020 Post Retirement Benefits Other than Pensions (PBOP) & Benefits Analysis

NSTAR Electric Company (East)

Summary of Post-Retirement Benefits Costs

The basis for the computation of the Postretirement Benefits Other than Pensions (“PBOP”) component of FERC Account No. 926, Employee Pensions and Benefits of “Administrative and General Expense” is provided in the attached actuary report for Eversource Energy (formerly known as Northeast Utilities). The amounts allocated to NSTAR Electric Company (East) are disclosed in a footnote to the FERC Form 1 on page 323. The allocation of NSTAR Electric Company’s (East) PBOP costs to the service provided under this Local Service Schedule is based on the Company’s labor allocation and is shown on Sheet 4 of the true-up calculation.

NSTAR
Pension and PBOP Expense by Company
2020

Line	(\$ 000 omitted)			Notes
	A NSTAR Electric (East)	B NSTAR Gas	C = A + B Total	
Pension and PBOP Expense				
1				
2	(32,455)	(3,756)	(36,211)	(1)
3	20,057	2,809	22,867	(2)
	(12,398)	(947)	(13,344)	
4	2,488	728	3,216	(3)
5	(684)	(189)	(874)	(2)
6	1,804	539	2,342	
7	(10,594)	(408)	(11,002)	

Notes:

- (1) Represents direct charges based on actuary reports.
- (2) Represents amounts allocated to labor for capital and other projects.
- (3) Represents service company allocations based on estimated labor distribution.



Eversource Energy Postretirement Welfare Plans

**Consolidated Actuarial Valuation Report
Benefit Cost for Fiscal Year Beginning
January 1, 2020 under US GAAP**

September 2020

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Purposes of valuation

Eversource Energy (“Eversource” or “Company”) engaged Willis Towers Watson US LLC (“Willis Towers Watson”) to value its other postretirement benefit plans.

As requested by Eversource, this report documents the results of an actuarial valuation of the following plans:

- Eversource Group Health and Welfare Retiree Benefit Plan (“PBOP”)
- Eversource MedVantage Plan (“MedVantage Plan”)

The primary purpose of this valuation is to determine the Net Periodic Postretirement Benefit Cost/(Income) (Benefit Cost), in accordance with FASB Accounting Standards Codification Topic 715 (ASC 715) for the fiscal year beginning January 1, 2020. This report also provides information for plan reporting under ASC 965. It is anticipated that a separate report will be prepared for year-end financial reporting purposes and for documenting the maximum tax deductible contributions for the 2020 plan year.

Limitations

This valuation has been conducted for the purposes described above and may not be suitable for any other purpose. In particular, please note there may be certain events that have occurred since the valuation date that are not reflected in the current valuation.

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Section 1: Summary of key consolidated results for PBOP

Benefit cost, assets & obligations

All monetary amounts shown in US Dollars

Fiscal Year		01/01/2020	01/01/2019
Benefit Cost/ (Income)	Net Periodic Postretirement Benefit Cost/(Income)	(52,562,034)	(40,254,137)
	Immediate Recognition of Benefit Cost/(Income) due to Special Events	0	0
	Total Benefit Cost/(Income)	(52,562,034)	(40,254,137)
Measurement Date		01/01/2020	01/01/2019
Plan Assets	Fair Value of Assets (FVA)	911,456,817	828,580,967
Benefit Obligations	Accumulated Postretirement Benefit Obligation (APBO)	(850,883,278)	(780,124,728)
Accumulated Other Comprehensive (Income)/Loss	Net Prior Service Cost/(Credit)	(172,560,629)	(194,264,402)
	Net Loss/(Gain)	208,806,757	194,069,248
	Total Accumulated Other Comprehensive (Income)/Loss	36,246,128	(195,154)
Assumptions	Discount Rate	3.26% ¹	4.38% ²
	Expected Return on Assets (401(h) and Union VEBAs / Management VEBAs)	8.25%/6.45%	8.25%/6.45%
	Annual Indexation on Annual HRA Credit (for certain grandfathered retirees)	3.50%	3.50%
	Current Health Care Cost Trend Rate	N/A	N/A
	Ultimate Health Care Cost Trend Rate	N/A	N/A
	Year of Ultimate Trend Rate	N/A	N/A
Participant Data	Census Date	01/01/2020	01/01/2019

¹ Reflects single equivalent discount rate derived from the yield curve provided by Aon Hewitt in January 2020 and the plan's total cash flows.

² Reflects single equivalent discount rate derived from the yield curve provided by Aon Hewitt in January 2019 and the plan's total cash flows.

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Basis for valuation

Appendix A summarizes the assumptions and methods used in the valuation. Appendices B-D summarize our understanding of the principal provisions of the plans being valued. The most recent plan change reflected was effective on January 1, 2017. Unless otherwise described below under Subsequent Events, assumptions were selected based on information known as of the measurement date.

Changes in assumptions

The following assumptions were changed since the previous valuation to reflect revised expectations of future experience:

- Discount rate: the discount rate assumption for the Eversource PBOP was updated to 3.26% to reflect the single equivalent discount rate derived from the yield curve provided by Aon Hewitt in January 2020 and the Plan's total cash flows.
- Mortality: the mortality assumption was changed to the Pri-2012 headcount weighted tables using generational projection scale MP-2019.

Changes in methods

There have been no method changes since the prior valuation date.

Subsequent events

The results provided in this report reflect data and assumptions appropriate for the purpose of the measurement. Effects of COVID-19 on the financial markets, regulations, and experience are uncertain and still evolving. The results in this report make no allowances for the effects of COVID-19. There may be significant effects on plan experience and/or assumptions, both demographic and economic used for future measurements.

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Actuarial certification

This valuation has been conducted in accordance with generally accepted actuarial principles and practices. However, please note the information discussed below regarding this valuation.

Reliances

In preparing the results presented in this report, we have relied upon information regarding plan provisions, participants, assets, and sponsor accounting policies and methods provided by Eversource and other persons or organizations designated by Eversource. We have relied on all the data and information provided as complete and accurate. We have reviewed this information for overall reasonableness and consistency, but have neither audited nor independently verified this information. Based on discussions with and concurrence by the plan sponsor, assumptions or estimates may have been made if data were not available. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations. The results presented in this report are directly dependent upon the accuracy and completeness of the underlying data and information. Any material inaccuracy in the data, assets, plan provisions or other information provided to us may have produced results that are not suitable for the purposes of this report and such inaccuracies, as corrected by Eversource, may produce materially different results that could require that a revised report be issued.

Measurement of benefit obligations, plan assets and balance sheet adjustments

Census date/measurement date

The measurement date is January 1, 2020. The benefit obligations were measured as of January 1, 2020 and are based on participant data as of the census date, January 1, 2020, which is displayed by Plan in Section 4.

Plan assets and balance sheet adjustments

Information about the fair value of plan assets was furnished to us by Eversource as of January 1, 2020. This data was reviewed for reasonableness and consistency, but no audit was performed.

Accumulated other comprehensive (income)/loss amounts shown in the report are shown prior to adjustment for tax effects. Any tax effects in AOCI should be determined in consultation with Eversource's tax advisors and auditors.

Assumptions and methods under U.S. GAAP

As required by U.S. GAAP, the actuarial assumptions and methods employed in the development of the other postretirement benefit cost and other financial reporting have been selected by Eversource. Willis Towers Watson has concurred with these assumptions and methods, except for the expected rate of return on plan assets selected as of January 1, 2020. Evaluation of the expected return assumption was outside the scope of Willis Towers Watson's assignment and would have required substantial additional work that we were not engaged to perform. U.S. GAAP requires that each significant assumption "individually represent the best estimate of a particular future event."

The results shown in this report have been developed based on actuarial assumptions that, to the extent evaluated by Willis Towers Watson, we consider to be reasonable and within "best-estimate range" as described by the Actuarial Standards of Practice. Other actuarial assumptions could also be considered to be reasonable and within best-estimate range. Thus, reasonable results differing from those presented in this report could have been developed by selecting different points within the best-estimate range for various assumptions.

A summary of the assumptions and methods used is provided in Appendix A. Note that any subsequent changes in methods or assumptions for the January 1, 2020 measurement date will change the results shown in this report.

Nature of actuarial calculations

The results shown in this report are estimates based on data that may be imperfect and on assumptions about future events that cannot be predicted with any certainty. The effects of certain plan provisions may be approximated, or determined to be insignificant and therefore not valued. Reasonable efforts were made in preparing this valuation to confirm that items that are significant in the context of the actuarial liabilities or costs are treated appropriately, and are not excluded or included inappropriately. Any rounding (or lack thereof) used for displaying numbers in this report is not intended to imply a degree of precision, which is not a characteristic of actuarial calculations.

If overall future plan experience produces higher benefit payments or lower investment returns than assumed, the relative level of plan costs reported in this valuation will likely increase in future valuations (and vice versa). Future actuarial measurements may differ significantly from the current measurements presented in this report due to many factors, including: plan experience differing from that anticipated by the economic or demographic assumptions, changes in economic or demographic assumptions, increases or decreases expected as part of the natural operation of the methodology used for the measurements (such as the end of an amortization period), and changes in plan provisions or applicable law. Due to the limited scope of our assignment, we did not perform an analysis of the potential range of such future measurements. Retiree group benefits models necessarily rely on the use of approximations and estimates, and are sensitive to changes in these approximations and estimates. Small variations in these approximations and estimates may lead to significant changes in actuarial measurements.

See Basis for Valuation in Section 1 above for a discussion of any material events that have occurred after the valuation date that are not reflected in this valuation.

Limitations on use

This report is provided subject to the terms set out herein and in our engagement letter dated December 18, 2019 and any accompanying or referenced terms and conditions.

The information contained in this report was prepared for the internal use of Eversource and its auditors in connection with our actuarial valuation of the other postretirement benefit plans as described in Purposes of Valuation above. It is not intended for and may not be used for other purposes, and we accept no responsibility or liability in this regard. Eversource may distribute this actuarial valuation report to the appropriate authorities who have the legal right to require Eversource to provide them this report, in which case Eversource will use best efforts to notify Willis Towers Watson in advance of this distribution. Further distribution to, or use by, other parties of all or part of this report is expressly prohibited without Willis Towers Watson's prior written consent. Willis Towers Watson accepts no responsibility for any consequences arising from any other party relying on this report or any advice relating to its contents.

Professional qualifications

The undersigned consulting actuaries are members of the Society of Actuaries and meet the "Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States" relating to other postretirement benefit plans. Our objectivity is not impaired by any relationship between the plan sponsor and our employer, Willis Towers Watson US LLC ("Willis Towers Watson").



Joann Braun, FSA
Director, Retirement



George S. Marino, ASA, MAAA
Director, Retirement

September 2020

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Section 2: Consolidated accounting exhibits for PBOP

2.1 Balance sheet asset/(liability)

All monetary amounts shown in US Dollars

Measurement Date	01/01/2020	01/01/2019
A Development of Balance Sheet Asset/(Liability)		
1 Accumulated postretirement benefit obligation (APBO)	(850,883,278)	(780,124,728)
2 Fair value of assets (FVA) ¹	911,456,817	828,580,967
3 Net balance sheet asset/(liability)	60,573,539	48,456,239
B Current and Noncurrent Allocation		
1 Noncurrent asset	60,573,539	48,456,239
2 Current liability	0	0
3 Noncurrent liability	0	0
4 Net balance sheet asset/(liability)	60,573,539	48,456,239
C Accumulated Other Comprehensive (Income)/Loss		
1 Net prior service cost/(credit)	(172,560,629)	(194,264,402)
2 Net loss/(gain)	208,806,757	194,069,248
3 Accumulated other comprehensive (income)/loss ²	36,246,128	(195,154)
D Assumptions and Dates		
1 Discount rate	3.26% ³	4.38% ⁴
2 Annual indexation on annual HRA credit (for certain grandfathered retirees)	3.50%	3.50%
3 Current health care cost trend rate	N/A	N/A
4 Ultimate health care cost trend rate	N/A	N/A
5 Year of ultimate trend rate	N/A	N/A
6 Census date	01/01/2020	01/01/2019

¹ Excludes receivable contributions.

² Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects.

³ Reflects single equivalent discount rate derived from the yield curve provided by Aon Hewitt in January 2020 and the plan's total cash flows.

⁴ Reflects single equivalent discount rate derived from the yield curve provided by Aon Hewitt in January 2019 and the plan's total cash flows.

2.2 PBOP changes in net balance sheet asset/(liability)

All monetary amounts shown in US Dollars

Fiscal Year Beginning	1/1/2020	1/1/2019
A Reconciliation of Net Balance Sheet Asset/(Liability)		
1 Net balance sheet asset/(liability) at beginning of prior period	48,456,239	12,856,830
2 Employer service cost	(7,775,763)	(9,827,459)
3 Interest cost	(30,897,311)	(28,679,573)
4 Expected return on assets	65,476,939	71,003,894
5 Plan amendments	0	0
6 Actuarial gain/(loss)	(22,991,014)	(4,843,414)
7 Employer contributions	7,926,853	7,602,348
8 Medicare D contributions	0	0
8 Benefits paid directly by the company ¹	377,596	343,613
9 Administrative Expenses paid	0	0
10 Acquisitions/divestitures	0	0
11 Curtailments	0	0
12 Settlements (if settled using corporate cash)	0	0
13 Special/contractual termination benefits	0	0
14 Net balance sheet asset /(liability) at beginning of current period	60,573,539	48,456,239

¹ Key employee payments

2.3 PBOP changes in liabilities and assets

All monetary amounts shown in US Dollars

	Fiscal Year Beginning	1/1/2020	1/1/2019
A Change in Accumulated Postretirement Benefit Obligation (APBO)			
1	APBO at beginning of prior period	780,124,728	887,062,370
2	Employer service cost	7,775,763	9,827,459
3	Interest cost	30,897,311	28,679,573
4	Actuarial loss/(gain)	82,836,980	(98,633,168)
5	Plan participants' contributions	692,608	2,248,373
6	Benefits paid from plan assets ¹	(48,668,543)	(46,134,326)
7	Benefits paid from the Company	(377,596)	(343,613)
8	Administrative expenses paid	(2,397,973)	(2,581,940)
9	Plan change	0	0
10	Acquisitions/divestitures	0	0
11	Curtailments	0	0
12	Settlements	0	0
13	Special/contractual termination benefits	0	0
14	APBO at beginning of current period	850,883,278	780,124,728
B Change in Plan Assets			
1	Fair value of assets at beginning of prior period	828,580,967	899,919,200
2	Actual return on assets	125,322,905	(32,472,688)
3	Employer contributions	7,926,853	7,602,348
4	Plan participants' contributions	692,608	2,248,373
5	Benefits paid ¹	(48,668,543)	(46,134,326)
6	Administrative expenses paid	(2,397,973)	(2,581,940)
7	Transfer payments	0	0
8	Acquisitions/(divestitures)	0	0
9	Settlements	0	0
10	Special/contractual termination benefits	0	0
11	Fair value of assets at beginning of current period	911,456,817	828,580,967

¹ Gross benefit payments, including retiree contributions

2.4 PBOP development of assets for benefit cost

A. 401(h) account

All monetary amounts shown in US Dollars

Fiscal Year Beginning	Total
Reconciliation of Assets	
1 Plan assets at 12/31/2018	231,422,563
2 Investment return	30,422,821
3 Employer contributions	0
4 Plan participants' contributions	0
5 Benefits paid	0
6 Administrative expenses paid	(787,034)
7 Plan assets at 12/31/2019	261,058,350

B. Management / Non-Union VEBAs

All monetary amounts shown in US Dollars

Fiscal Year Beginning	Non-Union Medical	NSTAR Management Life	Total
Reconciliation of Assets			
1 Plan assets at 12/31/2018	42,574,432	22,046,531	64,620,963
2 Investment return	4,755,821	3,472,196	8,228,017
3 Employer contributions	7,926,853	0	7,926,853
4 Plan participants' contributions	170,466	0	170,466
5 Benefits paid	(25,959,035)	(931,695)	(26,890,730)
6 Administrative expenses paid	(205,781)	(55,310)	(261,091)
7 Plan assets at 12/31/2019	29,262,756	24,531,722	53,794,478

2.4 PBOP development of assets for benefit cost (continued)

C. Union VEBAs (includes Non-Union Life)

All monetary amounts shown in US Dollars

Fiscal Year Beginning	Union Medical	NUSCO Life (Union & Non-Union)	NSTAR Union Life	Total
Reconciliation of Assets				
1 Plan assets at 12/31/2018	476,533,702	34,770,825	21,232,915	532,537,442
2 Investment return	77,981,702	5,412,840	3,277,523	86,672,065
3 Employer contributions	0	0	0	0
4 Plan participants' contributions	37,751	484,391	0	522,142
5 Benefits paid	(13,926,967)	(5,959,222)	(1,891,624)	(21,777,813)
6 Administrative expenses paid	(1,214,632)	(83,084)	(52,132)	(1,349,848)
7 Plan assets at 12/31/2019	539,411,557	34,625,750	22,566,682	596,603,988

2.5 PBOP summary and comparison of benefit cost and cash flows

All monetary amounts shown in US Dollars

Fiscal Year Ending	12/31/2020	12/31/2019
A Total Benefit Cost		
1 Employer service cost	9,711,087	7,775,763
2 Interest cost	23,022,790	30,897,311
3 Expected return on assets	(71,962,601)	(65,476,939)
4 Subtotal	(39,228,724)	(26,803,865)
5 Net prior service cost/(credit) amortization	(21,703,773)	(21,703,773)
6 Net loss/(gain) amortization	8,370,463	8,253,503
7 Subtotal	(13,333,310)	(13,450,270)
8 Net periodic postretirement benefit cost/(income)	(52,562,034)	(40,254,137)
9 Curtailments	0	0
10 Settlements	0	0
11 Special/contractual termination benefits	0	0
12 Total benefit cost	(52,562,034)	(40,254,135)
B Assumptions¹		
1 Discount Rate ²	3.26%	4.38%
2 Rate of return on assets	8.25%/6.45%	8.25%/6.45%
3 Annual Indexation on annual HRA credit for certain grandfathered retirees	3.50%	3.50%
4 Current health care cost trend rate	N/A	N/A
5 Ultimate health care cost trend rate	N/A	N/A
6 Year of ultimate trend rate	N/A	N/A
7 Census date	01/01/2020	01/01/2019
C Assets at Beginning of Year	911,456,817	828,580,967
D Cash Flow		
	Expected 2020	Actual 2019
1 Employer contributions ³	0	7,926,853
2 Plan participants' contributions ⁴	0	0
3 Benefits paid from the Company	0	0
4 Benefits paid from plan assets ⁵	\$62,477,151	47,975,934

¹ These assumptions were used to calculate Net Periodic Postretirement Benefit Cost/(Income). Rates are expressed on an annual basis where applicable. Assumptions used for interim measurement periods are noted.

² Reflects single equivalent discount rates derived from the yield curves provided by Aon Hewitt in January 2020 (for fiscal year ending December 31, 2019) and January 2019 (for the fiscal year ending December 31, 2018) and the Plan's total cash flows.

³ Expected employer contributions set at beginning of year based on Eversource's funding policy. Actual contributions may be lower based on maximum tax deductible calculations completed at the end of the year.

⁴ Over the fiscal year.

⁵ Net of retiree contributions.

2.6 PBOP valuation results by company as of January 1, 2020

All monetary amounts shown in US Dollars

	CL&P	CL&P Transmission	HWP	EESCO	NNECO	WMECO	WMECO Transmission
1 APBO	(159,681,560)	(4,502,617)	(1,511,867)	(231,946,525)	(14,152,218)	(34,210,587)	(603,183)
2 FVA ¹	123,594,424	4,896,941	3,970,727	180,915,394	54,397	30,447,861	417,698
3 Unfunded APBO	(36,087,136)	394,324	2,458,860	(51,031,131)	(14,097,821)	(3,762,726)	(185,485)
B Accumulated Other Comprehensive (Income)/Loss (AOCI) as of 01/01/2020							
1 Net prior service cost/(credit)	8,262,497	481,693	(70,823)	(28,047,023)	1,185,794	1,157,291	45,733
2 Net loss/(gain)	28,746,280	(1,000,156)	(779,630)	70,514,841	6,154,122	4,694,041	(8,673)
3 AOCI ²	37,008,777	(518,463)	(850,453)	42,467,818	7,339,916	5,851,332	37,060
C Total Benefit Cost							
1 Service cost	1,581,880	99,794	0	3,910,645	0	419,467	33,494
2 Interest cost	4,251,452	136,308	35,915	6,532,270	337,378	950,317	19,299
3 Expected return on assets	(9,524,434)	(380,126)	(293,819)	(14,106,841)	(100,036)	(2,288,698)	(29,712)
4 Subtotal	(3,691,102)	(144,024)	(257,904)	(3,663,926)	237,342	(918,914)	23,081
5 Prior service cost/(credit) amortization	1,034,968	60,337	(8,872)	(3,513,197)	60,291	144,963	5,728
6 Net loss/(gain) amortization	1,152,308	(40,092)	(31,252)	2,826,620	246,691	188,163	0
7 Amortization subtotal	2,187,276	20,245	(40,124)	(686,577)	306,982	333,126	5,728
8 Total benefit cost	(1,503,826)	(123,779)	(298,028)	(4,350,503)	544,324	(585,788)	28,809

¹ Excludes receivable contributions

² Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects.

2.6 PBOP valuation results by company as of January 1, 2020 (continued)

All monetary amounts shown in US Dollars

	PSNH	PSNH Transmission	PSNH Gen	NAESCO	Select	NGS	Yankee Gas
1 APBO	(79,922,047)	(3,952,953)	(17,410,829)	(7,281,270)	(1,964,002)	(5,981,322)	(27,100,549)
2 FVA ¹	46,562,153	2,757,013	26,893,167	3,589,929	(221,835)	2,462,853	18,352,414
3 Unfunded APBO	(33,359,894)	(1,195,940)	9,482,338	(3,691,341)	(2,185,837)	(3,518,469)	(8,748,135)
B Accumulated Other Comprehensive (Income)/Loss (AOCI) as of 01/01/2020							
1 Net prior service cost/(credit)	3,324,276	239,000	0	781,308	230,849	810,497	2,649,569
2 Net loss/(gain)	26,228,072	478,404	(6,472,687)	3,452,470	995,445	2,174,917	2,758,093
3 AOCI ²	29,552,348	717,404	(6,472,687)	4,233,778	1,226,294	2,985,414	5,407,662
C Total Benefit Cost							
1 Service cost	794,162	113,850	0	0	0	0	582,419
2 Interest cost	2,121,590	117,759	557,635	173,088	55,607	162,680	764,117
3 Expected return on assets	(3,604,780)	(208,515)	(1,979,394)	(258,935)	36,863	(189,425)	(1,583,096)
4 Subtotal	(689,028)	23,094	(1,421,759)	(85,847)	92,470	(26,745)	(236,560)
5 Prior service cost/(credit) amortization	416,402	29,937	0	97,867	28,500	101,523	331,888
6 Net loss/(gain) amortization	1,051,364	19,177	(259,461)	138,394	39,903	87,183	110,559
7 Amortization subtotal	1,467,766	49,114	(259,461)	236,261	68,403	188,706	442,447
8 Total benefit cost	778,738	72,208	(1,681,220)	150,414	160,873	161,961	205,887

¹ Excludes receivable contributions.

² Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects.

2.6 PBOP valuation results by company as of January 1, 2020 (continued)

All monetary amounts shown in US Dollars

	NSTAR Electric	NSTAR Gas	Total
1 APBO	(217,324,727)	(43,337,022)	(850,883,278)
2 FVA ¹	394,894,153	71,869,528	911,456,817
3 Unfunded APBO	177,569,426	28,532,506	60,573,539
B Accumulated Other Comprehensive (Income)/Loss (AOCI) as of 01/01/2020			
1 Net prior service cost/(credit)	(136,725,637)	(26,885,653)	(172,560,629)
2 Net loss/(gain)	56,920,308	13,950,911	208,806,758
3 AOCI ²	(79,805,329)	(12,934,742)	36,246,129
C Total Benefit Cost			
1 Service cost	1,677,161	498,215	9,711,087
2 Interest cost	5,637,765	1,169,612	23,022,790
3 Expected return on assets	(31,668,648)	(5,783,005)	(71,962,601)
4 Subtotal	(24,353,722)	(4,115,178)	(39,228,724)
5 Prior service cost/(credit) amortization	(17,126,385)	(3,367,723)	(21,703,773)
6 Net loss/(gain) amortization	2,281,677	559,229	8,370,463
7 Amortization subtotal	(14,844,708)	(2,808,494)	(13,333,310)
8 Total benefit cost	(39,198,430)	(6,923,672)	(52,562,034)

¹ Excludes receivable contributions

² Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects.

2.7 PBOP ASC 965 (plan reporting) information

All monetary amounts shown in US Dollars

Fiscal Year Ending	12/31/2019	12/31/2018
A Actuarial Present Value of Benefit Obligation		
1 Participants in pay status	577,134,657	548,660,994
2 Participants fully eligible	110,334,567	95,419,303
3 Other participants	161,258,213	151,080,564
4 Total	848,727,437	795,160,861
5 Fair value of assets ¹	911,456,817	828,580,967
B Key Actuarial Assumptions		
1 Discount rate	3.26%	4.38%
2 Mortality	Pri-2012 headcount weighted table with MP-2019 generational projection	RP-2018 headcount weighted table with MP-2018 generational projection
3 Current health care cost trend rate	N/A	N/A
4 Ultimate health care cost trend rate	N/A	N/A
5 Year of ultimate trend rate	N/A	N/A
6 Census date	01/01/2020	01/01/2019
7 Effect of 1% increase in health care cost trend on APBO	N/A	N/A
8 Effect of 1% decrease in health care cost trend on APBO	N/A	N/A
C Change in Actuarial Present Value of Benefit Obligation		
1 Actuarial present value of benefit obligation as of December 31, 2018		795,160,861
2 Additional benefits accumulated		7,775,763
3 Effect of noninvestment experience		(30,631)
4 Effect of time value of money		30,897,311
5 Benefits paid ²		(47,975,935)
6 Assumption changes ³		62,900,068
7 Plan Amendments		0
8 Actuarial present value of benefit obligation as of December 31, 2019		848,727,437

¹ The fair value of assets corresponds to the fair value of assets as disclosed in the Eversource 12/31/2019 financial statements.

² Benefits paid exclude expenses paid from VEBA.

³ Includes the change in discount rate from 4.38% to 3.26% and an update in mortality from RP-2018 headcount weighted table with MP-2018 generational projection to Pri-2012 headcount weighted table with MP-2019 generational projection.

Section 3: Consolidated accounting exhibits for MedVantage

3.1 MedVantage balance sheet asset/(liability)

All monetary amounts shown in US Dollars

Measurement Date	01/01/2020	01/01/2019
A Development of Balance Sheet Asset/(Liability)		
1 Accumulated postretirement benefit obligation (APBO)	(9,125,120)	(6,537,492)
2 Fair value of assets (FVA)	N/A	N/A
3 Net balance sheet asset/(liability)	(9,125,120)	(6,537,492)
B Current and Noncurrent Allocation		
1 Noncurrent asset	0	0
2 Current liability	0	0
3 Noncurrent liability	(9,125,120)	(6,537,492)
4 Net balance sheet asset/(liability)	(9,125,120)	(6,537,492)
C Accumulated Other Comprehensive (Income)/Loss		
1 Net prior service cost/(credit)	0	0
2 Net loss/(gain)	724,692	(625,879)
3 Accumulated other comprehensive (income)/loss ¹	724,692	(625,879)
D Assumptions and Dates		
1 Discount rate	3.26%	4.38%
2 Interest crediting rate on MedVantage account balance	4.00%	4.00%
3 Census date	01/01/2020	01/01/2019

¹ Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects

3.2 MedVantage summary and comparison of benefit cost and cash flows

All monetary amounts shown in US Dollars

Fiscal Year Ending	12/31/2020	12/31/2019
A Total Benefit Cost		
1 Employer service cost	1,437,603	1,075,686
2 Interest cost	326,815	312,896
3 Expected return on assets	N/A	N/A
4 Subtotal	1,764,418	1,388,582
5 Net prior service cost/(credit) amortization	0	0
6 Net loss/(gain) amortization	59,892	(52,595)
7 Subtotal	59,892	(52,595)
8 Net periodic postretirement benefit cost/(income)	1,824,310	1,335,987
9 Curtailments	0	0
10 Settlements	0	0
11 Special/contractual termination benefits	0	0
12 Total benefit cost	1,824,310	1,335,987
B Assumptions¹		
1 Discount Rate	3.26%	4.38%
2 Interest crediting rate on Med/Vantage account balance	4.00%	4.00%
3 Census date	01/01/2020	01/01/2019
C Assets at Beginning of Year		
	N/A	N/A
D Cash Flow		
	Expected 2020	Actual 2019
1 Employer contributions	0	0
2 Plan participants' contributions ²	0	0
3 Benefits paid from the Company	1,084,129	98,931
4 Benefits paid from plan assets ³	0	0

¹ These assumptions were used to calculate Net Periodic Postretirement Benefit Cost/(Income) as of the beginning of the year. Rates are expressed on an annual basis where applicable. For assumptions used for interim measurement periods, if any, refer to Appendix A.

² Over the fiscal year.

³ Net of retiree contributions.

3.3 MedVantage valuation results by company as of January 1, 2020

All monetary amounts shown in US Dollars

	CL&P	CL&P Transmission	HWP	EESCO	NNECO	WMECO	WMECO Transmission
1 APBO	(937,695)	(67,326)	0	(5,929,772)	0	(242,438)	(41,377)
2 FVA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 Unfunded APBO	(937,695)	(67,326)	0	(5,929,772)	0	(242,438)	(41,377)
B Accumulated Other Comprehensive (Income)/Loss (AOCI)							
1 Net prior service cost/(credit)	0	0	0	0	0	0	0
2 Net loss/(gain)	57,467	(19,680)	0	580,467	0	27,341	12,032
3 AOCI ¹	57,467	(19,680)	0	580,467	0	27,341	12,032
C Total Benefit Cost							
1 Service cost	175,492	10,070	0	833,738	0	47,894	5,743
2 Interest cost	35,120	2,455	0	206,990	0	9,252	1,523
3 Expected return on assets	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4 Subtotal	210,612	12,525	0	1,040,728	0	57,146	7,266
5 Prior service cost/(credit) amortization	0	0	0	0	0	0	0
6 Net loss/(gain) amortization	4,749	(1,626)	0	47,972	0	2,260	994
7 Amortization subtotal	4,749	(1,626)	0	47,972	0	2,260	994
8 Total benefit cost	215,362	10,899	0	1,088,701	0	59,406	8,260

¹ Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects.

3.3 MedVantage valuation results by company as of January 1, 2020 (continued)

All monetary amounts shown in US Dollars

	PSNH	PSNH Transmission	PSNH Gen	NAESCO	Select	NGS	Yankee Gas
1 APBO	(719,703)	(100,680)	(226,537)	0	0	0	(401,276)
2 FVA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 Unfunded APBO	(719,703)	(100,680)	(226,537)	0	0	0	(401,276)
B Accumulated Other Comprehensive (Income)/Loss (AOCI)							
1 Net prior service cost/(credit)	0	0	0	0	0	0	0
2 Net loss/(gain)	43,763	38,689	(69,948)	0	0	0	(28,811)
3 AOCI ¹	43,763	38,689	(69,948)	0	0	0	(28,811)
C Total Benefit Cost							
1 Service cost	119,564	16,146	900	0	0	0	81,308
2 Interest cost	26,424	3,638	7,077	0	0	0	14,995
3 Expected return on assets	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4 Subtotal	145,988	19,784	7,977	0	0	0	96,303
5 Prior service cost/(credit) amortization	0	0	0	0	0	0	0
6 Net loss/(gain) amortization	3,617	3,197	(5,781)	0	0	0	(2,381)
7 Amortization subtotal	3,617	3,197	(5,781)	0	0	0	(2,381)
8 Total benefit cost	149,605	22,981	2,196	0	0	0	93,922

¹ Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects.

3.3 MedVantage valuation results by company as of January 1, 2020 (continued)

All monetary amounts shown in US Dollars

	NSTAR Electric	NSTAR Gas	Total
1 APBO	(329,750)	(128,566)	(9,125,120)
2 FVA	N/A	N/A	N/A
3 Unfunded APBO	(329,750)	(128,566)	(9,125,120)

B Accumulated Other Comprehensive (Income)/Loss (AOCI)

1 Net prior service cost/(credit)	0	0	0
2 Net loss/(gain)	63,363	20,009	724,692
3 AOCI ¹	63,363	20,009	724,692

C Total Benefit Cost

1 Service cost	105,106	41,642	1,437,603
2 Interest cost	13,839	5,502	326,815
3 Expected return on assets	N/A	N/A	N/A
4 Subtotal	118,945	47,144	1,764,418
5 Prior service cost/(credit) amortization	0	0	0
6 Net loss/(gain) amortization	5,237	1,654	59,892
7 Amortization subtotal	5,237	1,654	59,892
8 Total benefit cost	124,181	48,798	1,824,310

¹ Amount shown is pre-tax and should be adjusted by plan sponsor for tax effects.

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Section 4: Data Exhibits

4.1 PBOP participant data

Census Date		01/01/2020		
	NU	NSTAR	Total	
A Participating Employees				
1	Number			
a	Fully eligible	1,543	688	2,231
b	Other	4,245	1,320	5,565
c	Total participating employees	5,788	2,008	7,796
2	Average age			
		47.0	47.6	47.2
3	Average credited service			
		14.4	17.5	15.2
B Retirees and Surviving Spouses				
1	Number			
a	Number with medical coverage	6,506	2,787	9,293
b	Number with life insurance only (i.e., no medical)	862	270	1,132
c	Total retirees and surviving spouses	7,368	3,057	10,425
2	Average age			
		74.8	77.5	75.6

4.2 MedVantage participant data

Census Date		01/01/2020		
	NU	NSTAR	Total	
A Participating Employees				
1	Number with MedVantage account	1,425	167	1,592
2	Average age	50.3	48.9	50.4
3	Average credited service	6.6	3.9	6.4
4	Average MedVantage account	\$4,983	\$3,061	\$4,781
B Terminated Employees				
1	Number with MedVantage account	387	12	399
2	Average MedVantage account			\$5,137

Appendix A- Statement of consolidated actuarial assumptions and methods

Plan Sponsor

Eversource Energy

Statement of Assumptions

The assumptions disclosed in this Appendix are for the fiscal year ending December 31, 2019 financial reporting and the fiscal year 2020 benefit cost.

Assumptions and methods for other postretirement benefit cost purposes

Actuarial Assumptions and Methods – Other Postretirement Benefit Cost

Economic Assumptions

Discount Rate

- 1/1/2020 measurement date 3.26%

Expected long-term return on assets

- Union VEBAs and Management 401(h) account 8.25%
- Management VEBAs 6.45%

The return on assets shown above is net of investment expenses and administrative expenses assumed to be paid from the trust.

Economic Assumptions, Continued

Compensation increases

For purposes of valuing legacy NSTAR life insurance benefits, the S-3 Relative Salary Scale factors from the Actuary's Pension Handbook by Crocker, Sarason, and Straight, increased by 1.0% at each age are used. Sample rates are shown below:

Age	Compensation Increase Rate
25	7.66%
30	6.77%
40	5.39%
50	4.75%
60	2.35%

Demographic and Other Assumptions

Inclusion date	The valuation date coincident with or next following the date on which the employee is hired
New or rehired employees	It was assumed there will be no new or rehired employees.

Participation Assumptions for Plan

Participation	Current retirees: Actual election, future opt-ins or opt-outs not anticipated Future retirees: The assumption for all future retirees is 90%.
Percentage of future retirees covering a spouse	NUSCO: 80% of males and 50% of females NSTAR: 70% of all participants
Spouse age	Wives three years younger than husbands

Demographic Assumptions

Mortality:

Pri-2012 headcount weighted tables using generational projection scale MP-2019.

Retirement

Rates at which participants are assumed to retire are shown below. Points are calculated as age plus years of service. Rates were developed by Aon Hewitt based on an experience study conducted in 2014.

Age	Legacy NUSCO Non-Union		Legacy NUSCO Union		Legacy NSTAR	
	< 85 points	>=85 pts	< 85 pts	>=85 pts	Management	Union
<54	0.000	0.000	0.000	0.000	0.000	0.000
55	0.040	0.090	0.030	0.100	0.040	0.030
56	0.040	0.080	0.030	0.100	0.040	0.030
57	0.055	0.060	0.040	0.080	0.055	0.040
58	0.055	0.090	0.040	0.060	0.055	0.040
59	0.070	0.110	0.050	0.100	0.070	0.050
60	0.100	0.110	0.100	0.100	0.100	0.100
61	0.100	0.130	0.100	0.100	0.100	0.100
62	0.100	0.200	0.130	0.200	0.100	0.130
63	0.160	0.200	0.130	0.200	0.160	0.130
64	0.200	0.200	0.200	0.200	0.200	0.200
65	0.300	0.300	0.200	0.200	0.300	0.200
66	0.300	0.300	0.250	0.250	0.300	0.250
67	0.150	0.150	0.250	0.250	0.150	0.250
68	0.150	0.150	0.250	0.250	0.150	0.250
69	0.300	0.300	0.250	0.250	0.300	0.250
70+	1.000	1.000	1.000	1.000	1.000	1.000

Demographic Assumptions, Continued

Terminations

Rates at which participants are assumed to terminate are shown below. Rates were developed by Aon Hewitt based on an experience study conducted in 2014.

Age	Nonunion	Union
<20	0.000	0.000
20-24	0.060	0.025
25-29	0.060	0.025
30	0.060	0.025
31	0.060	0.025
32	0.060	0.020
33	0.060	0.020
34	0.060	0.020
35-39	0.040	0.015
40	0.040	0.015
41	0.040	0.015
42	0.040	0.015
43	0.040	0.015
44	0.020	0.015
45-49	0.020	0.015
50-54	0.020	0.015
55	0.020	0.015
56	0.020	0.015
57	0.020	0.015
58	0.020	0.015
59	0.020	0.020
60	0.020	0.020

Trend Rates

Health care cost trend rate:

■ Current Trend Rate	N/A
■ Ultimate Trend Rate	N/A
■ Year of Ultimate Trend Rate	N/A
■ Dental Trend Rate	N/A

Annual HRA Credit

Annual HRA Credit for retirees effective January 1, 2017:

Under age 65: \$6,500

Age 65 and over:

Grandfathered participants: \$3,600*

Non-grandfathered participants: \$2,500

* Annual indexation applied at 3.50% beginning January 1, 2017.

Additional Assumptions

Cash flow

It is assumed that the primary source of funding for all PBOP benefit payments during fiscal 2020 will be from the respective VEBA trusts for the various benefit programs, with the exception of certain non-bargained medical benefits. For non-bargained health benefits (excluding participants covered by the K-vantage retirement program, and also excluding key employees), funding will be primarily sourced from the 401(h) plan.

It is assumed there will be no employer contributions made to either the VEBA's or 401(h) accounts during fiscal 2020.

Benefit payments and contributions are assumed to be made uniformly throughout the year and, on average, at mid-year.

Methods – Other Postretirement Benefit Cost and Funded Position

Census date	January 1, 2020
Measurement date	The benefit obligations are based on census data collected as of January 1, 2020.
Service cost and accumulated postretirement benefit obligation	Costs are determined using the Projected Unit Credit Cost Method. The annual service cost is equal to the present value of the portion of the projected benefit attributable to service during the upcoming year, and the Accumulated Postretirement Benefit Obligation (APBO) is equal to the present value of the portion of the projected benefit attributable to service before the measurement date. Service from hire date through the expected full eligibility date.
Market-related value of assets	Fair value of assets
Amortization of unamortized amounts	
<ul style="list-style-type: none"> ■ Recognition of past service cost/(credit) 	<p>Amortization of net prior service cost/(credit) resulting from a plan change is included as a component of Net Periodic Postretirement Benefit Cost/(Income) in the year first recognized and every year thereafter until such time as it is fully amortized. The annual amortization payment is determined in the first year as the increase in Accumulated Postretirement Benefit Obligation due to the plan change divided by the average remaining service period to full eligibility for participating employees expected to receive benefits under the plans.</p> <p>However, when the plan change reduces the Accumulated Postretirement Benefit Obligation, existing positive prior service costs are reduced or eliminated before a new prior service credit base is established.</p>
<ul style="list-style-type: none"> ■ Recognition of gains or losses 	<p>Amortization of net gain or loss resulting from experience different from that assumed and from changes in assumptions is included as a component of Net Periodic Postretirement Benefit Cost for a year. The amortization payment is that amount divided by the average remaining service period of participating employees expected to receive benefits under the plan. The minimum amortization is the excess, if any, of that net gain or loss over 10% of the greater of the Accumulated Postretirement Benefit Obligation and the market-related value of plan assets divided by the average remaining service period of participating employees expected to receive benefits under the plan.</p>

Benefits not valued

All benefits described in the Plan Provisions section are valued.

Data Sources

Eversource and Via Benefits furnished participant data and HRA information as of January 1, 2020. Data were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Assumptions Rationale - Significant Economic Assumptions

Discount rate

As required by U.S. GAAP the discount rate was chosen by the plan sponsor based on market information on the measurement dates.

Expected return on plan assets

We understand that the expected return on assets assumption reflects the plan sponsor's estimate of future experience for trust asset returns, reflecting the plan's current asset allocation and any expected changes during the current plan year, current market conditions and the plan sponsor's expectations for future market conditions.

Assumptions Rationale - Significant Economic Assumptions, Continued

Healthy Mortality	Assumptions were selected by the plan sponsor and, as required by U.S. GAAP represents a best estimate of future experience.
Termination	The termination rate assumption was updated based upon the results of an experience study conducted in December 2014 by Aon Hewitt.
Retirement	The retirement rate assumption was updated based upon the results of an experience study conducted in December 2014 by Aon Hewitt.
Participation	Assumed participation rates reflect historical experience as well as anticipated future experience for participation in healthcare exchanges.
Marital Assumptions	
Percent married	The assumed percentage electing spouse coverage is based on the percentage married observed among recent retirees.
Spouse age	The assumed age difference for spouses is based on general population statistics of the age difference for married individuals of retirement age.

Source of Prescribed Methods

Accounting methods	The methods used for accounting purposes as described in Appendix A, are “prescribed methods set by another party”, as defined in the actuarial standards of practice (ASOPs). As required by U.S. GAAP, these methods were selected by the plan sponsor.
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Changes in Assumptions and Methods

Change in assumptions since prior valuation

The following assumptions were changed since the previous valuation to reflect revised expectations of future experience:

- The discount rate assumption for the Eversource PBOP was updated to 3.26% to reflect the single equivalent discount rate derived from the yield curve provided by Aon Hewitt in January 2020 and the Plan's total cash flows.
- The mortality assumption was changed to the Pri-2012 headcount weighted tables using generational projection scale MP-2019

Change in methods since prior valuation

None

Appendix B- Summary of principal legacy Northeast Utilities PBOP provisions

Substantive Plan Provisions

The following substantive plan provisions are effective January 1, 2020.

Medical Benefits – Non-Grandfathered Participants Retiring After 1990 (1992 for PSNH/NAESCO)

Participation	Participation begins on date of hire.
Eligibility	Retirement after age 55 with 10 years of service
Dependent eligibility	Spouse, and children under age 26
Survivor eligibility	Survivor benefits continue for the life of the spouse following the death of a retiree or active participant eligible to retire.
Pre-65 Medical Benefits	
Effective 1/1/2017:	Effective 1/1/2017 , all eligible pre-65 retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages individual marketplace options. Participants will receive a Health Reimbursement Account (HRA) amount each year if they elect coverage through the individual health insurance marketplace. The annual HRA amount provided by Eversource for 2020 is \$6,500. This amount is not assumed to increase each year. Enrolled eligible dependents receive the same HRA amount as the retiree.
Post-65 Medical Benefits	
Effective 1/1/2017:	Effective 1/1/2017 , all eligible Medicare retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages Medicare coverage options available in the individual market. Participants will receive a Health Reimbursement Account (HRA) amount each year only if they enroll in coverage through the private exchange solution. The annual HRA amount provided by Eversource for 2020 will be \$2,500. This amount is not assumed to increase each year. Enrolled eligible dependents receive the same HRA amount as the retiree. In addition to the core HRA, Eversource will also offer a catastrophic prescription drug benefit, which will be fully paid by the company. This benefit is designed to reimburse participants for the 5% coinsurance associated with the catastrophic phase of coverage under individual part D plans. Participants need to submit evidence of eligible prescription drug claims for reimbursement.

Medical Benefits – Grandfathered Participants Retiring Before 1991 (excluding PSNH/NAESCO) and PSNH/NAESCO Participants Retiring Before 1993

Participation	Retire, or die in service while eligible for retiree welfare benefits, before January 1, 1991 PSNH/NAESCO participants who retire or die in service while eligible for retiree welfare benefits before January 1, 1993
Eligibility	Retirement after age 55 with 10 years
Dependent eligibility	Spouse and children under age 26
Survivor eligibility	Survivor benefits continue for the life of the spouse following the death of a retiree or active participant eligible to retire.

Post-65 Medical Benefits

Effective 1/1/2017:

Effective 1/1/2017, all eligible Medicare retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages Medicare coverage options available in the individual market. Participants will receive a Health Reimbursement Account (HRA) amount each year only if they enroll in coverage through the private exchange solution. The annual HRA amount provided by Eversource will be increased by 3.5% each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

In addition to the core HRA, Eversource will also offer a catastrophic prescription drug benefit, which will be fully paid by the company. This benefit is designed to reimburse participants for the 5% coinsurance associated with the catastrophic phase of coverage under individual part D plans. Participants need to submit evidence of eligible prescription drug claims for reimbursement.

Dental Benefits

Effective 1/1/2017:

Effective 1/1/2017, the company will no longer provide a subsidy for dental benefits. Dental coverage may be purchased through the individual health insurance marketplace using HRA funds described in the medical benefits sections above.

Life Insurance Benefits

Participation	Participation begins on date of hire.
Eligibility	Retirement after age 55 with 10 years of service. Non-union employees hired before January 1, 2006 who elected the K-Vantage plan (instead of the pension plan) and non-union employees hired January 1, 2006 and later are not eligible to receive a life insurance benefit. Union employees hired on or after the date specified in their respective collectively bargained agreements are not eligible to receive a life insurance benefit.
Postretirement contributions	None

Benefits

75% of base pay at retirement, up to a maximum of \$40,000. Retirees may make an election at retirement or later to trade a portion or all of the life insurance coverage for additional pension benefits.

Actual individual life insurance coverage amounts for current retirees are provided in the census data.

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Appendix C – Summary of principal legacy NSTAR PBOP provisions

Substantive Plan Provisions

The following substantive plan provisions were effective January 1, 2017.

Medical Benefits - Management Participants

Participation	Participation begins on date of hire.
Eligibility	Effective 1/1/2017, Retirement after 20 continuous years of service or upon reaching age 55 with 10 continuous years of service.
Dependent eligibility	Spouse, and children under age 26
Survivor eligibility	<p><u>Post-1999 Retirees</u> Survivor benefits continue for the life of the spouse following the death of a retiree.</p> <p>Survivor benefits continue until age 65 for the spouse of an active employee who dies after attaining age 55 or 10 years of service¹.</p> <p><u>Boston Edison Pre-2000 Retirees / VSP</u> Survivor benefits continue for the life of the spouse following the death of a retiree.</p> <p><u>Commonwealth Pre-2000 Retirees / VSP</u> Effective 1/1/2017, survivor benefits continue for the life of the spouse following the death of a retiree.</p>
Pre-65 Medical Benefits	
Effective 1/1/2017:	<p>Effective 1/1/2017, all eligible pre-65 retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages individual marketplace options. Participants will receive a Health Reimbursement Account (HRA) amount each year if they elect coverage through the individual health insurance marketplace. The annual HRA amount provided by Eversource for 2020 is \$6,500. This amount is not assumed to increase each year. Enrolled eligible dependents receive the same HRA amount as the retiree.</p>

¹ Prior to age 55, the spouse pays the active premium. After age 55, the spouse pays the retiree premium.

Post-65 Medical Benefits

Effective 1/1/2017:

Post-1999 Retirees

Effective 1/1/2017, all eligible Medicare retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages Medicare coverage options available in the individual market. Participants will receive a Health Reimbursement Account (HRA) amount each year only if they enroll in coverage through the private exchange solution. The annual HRA amount provided by Eversource for 2020 will be \$2,500. This amount is not assumed to increase each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

In addition to the core HRA, Eversource will also offer a catastrophic prescription drug benefit, which will be fully paid by the company. This benefit is designed to reimburse participants for the 5% coinsurance associated with the catastrophic phase of coverage under individual part D plans. Participants need to submit evidence of eligible prescription drug claims for reimbursement.

Boston Edison and Commonwealth Pre-2000 Retirees / VSP

Effective 1/1/2017, all eligible Medicare retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages Medicare coverage options available in the individual market. Participants will receive a Health Reimbursement Account (HRA) amount each year only if they enroll in coverage through the private exchange solution. The annual HRA amount provided by Eversource will be increased by 3.5% each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

In addition to the core HRA, Eversource will also offer a catastrophic prescription drug benefit, which will be fully paid by the company. This benefit is designed to reimburse participants for the 5% coinsurance associated with the catastrophic phase of coverage under individual part D plans. Participants need to submit evidence of eligible prescription drug claims for reimbursement.

Medical Benefits – Union Local 369 Participants

Participation	Participation begins on date of hire.
Eligibility	Effective 1/1/2017, employees are eligible for benefits upon termination after attainment of age 55 with 10 continuous years of service Employees formerly represented by Locals 333, 338, 339 and 392 who retired prior to May 1, 2001 are covered under the Commonwealth Energy represented plan provisions as described in Local 12004 plan provisions.
Dependent eligibility	Spouse and children under age 26
Survivor eligibility	Survivor benefits continue for the life of the spouse following the death of a retiree. Survivor benefits continue until age 65 for the spouse of an active employee who dies after attaining age 55 or 10 years of service.

Pre-65 Medical Benefits

Effective 1/1/2017:

Effective 1/1/2017, all eligible pre-65 retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages individual marketplace options. Participants will receive a Health Reimbursement Account (HRA) amount each year if they elect coverage through the individual health insurance marketplace. The annual HRA amount provided by Eversource for 2020 is \$6,500. This amount is not assumed to increase each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

Post-65 Medical Benefits

Effective 1/1/2017:

Retirements After December 31, 2000

Effective 1/1/2017, all eligible Medicare retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages Medicare coverage options available in the individual market. Participants will receive a Health Reimbursement Account (HRA) amount each year only if they enroll in coverage through the private exchange solution. The annual HRA amount provided by Eversource for 2020 will be \$2,500. This amount is not assumed to increase each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

In addition to the core HRA, Eversource will also offer a catastrophic prescription drug benefit, which will be fully paid by the company. This benefit is designed to reimburse participants for the 5% coinsurance associated with the catastrophic phase of coverage under individual part D plans. Participants need to submit evidence of eligible prescription drug claims for reimbursement.

Retirements Prior to 2001

Effective 1/1/2017, all eligible Medicare retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages Medicare coverage options available in the individual market. Participants will receive a Health Reimbursement Account (HRA) amount each year only if they enroll in coverage through the private exchange solution. The annual HRA amount provided by Eversource will be increased by 3.5% each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

In addition to the core HRA, Eversource will also offer a catastrophic prescription drug benefit, which will be fully paid by the company. This benefit is designed to reimburse participants for the 5% coinsurance associated with the catastrophic phase of coverage under individual part D plans. Participants need to submit evidence of eligible prescription drug claims for reimbursement.

Medical Benefits – Union Local 12004 Participants

Eligibility

Employees formerly represented by Locals 333, 338, 339 and 392 who retire prior to May 1, 2001 are entitled to receive benefits described in this section. Individuals who retired on or after May 1, 2001 are entitled to benefits described in the Local 369 plan provisions.

Employees of Local 12004 who attained age 40 and 12 years of service as of January 1, 1993 and whose age plus years of service as of December 31, 2003 total at least 75 are eligible for benefits described in this section. All other employees of Local 12004 are entitled to benefits as described in the Local 369 plan provisions.

Dependent eligibility

Spouse and children under age 26

Survivor eligibility

Survivor benefits cease one year after the death of the retiree.

Pre-65 Medical Benefits

Effective 1/1/2017:

Effective 1/1/2017, all eligible pre-65 retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages individual marketplace options. Participants will receive a Health Reimbursement Account (HRA) amount each year if they elect coverage through the individual health insurance marketplace. The annual HRA amount provided by Eversource for 2020 is \$6,500. This amount is not assumed to increase each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

Post-65 Medical Benefits

Effective 1/1/2017:

Effective 1/1/2017, all eligible Medicare retirees and covered dependents will transition from Eversource-sponsored group health plan to a private exchange solution that leverages Medicare coverage options available in the individual market. Participants will receive a Health Reimbursement Account (HRA) amount each year only if they enroll in coverage through the private exchange solution. The annual HRA amount provided by Eversource will be increased by 3.5% each year. Enrolled eligible dependents receive the same HRA amount as the retiree.

In addition to the core HRA, Eversource will also offer a catastrophic prescription drug benefit, which will be fully paid by the company. This benefit is designed to reimburse participants for the 5% coinsurance associated with the catastrophic phase of coverage under individual part D plans. Participants need to submit evidence of eligible prescription drug claims for reimbursement.

Dental Benefits – Management Participants

Effective 1/1/2017: Effective 1/1/2017, the company will no longer provide a subsidy for dental benefits. Dental coverage may be purchased through the individual health insurance marketplace using HRA funds described in the medical benefits sections above.

Dental and Vision Benefits – Union Participants

Effective 1/1/2017: Effective 1/1/2017, the company will no longer provide a subsidy for dental benefits. Dental and/or vision coverage may be purchased through the individual health insurance marketplace using HRA funds described in the medical benefits sections above.

Life Insurance Benefits – Management Participants

Participation Participation begins on date of hire.

Eligibility Same as postretirement medical benefit eligibility except age at termination must be at least 55.

Postretirement contributions None

Benefits Age 55 to 59 - \$50,000
 Age 60 to 64 - \$30,000
 Age 65 and older - \$20,000

Different amounts are applicable for participants who retired prior to January 1, 2000.

Actual individual life insurance coverage amounts for current retirees are provided in the census data.

Life Insurance Benefits – Union Local 369 Participants

Participation Participation begins on date of hire.

Eligibility Same as postretirement medical benefit eligibility except age at termination must be at least 55.

Postretirement contributions None

Benefits Age 55 to 59 - \$50,000
 Age 60 to 64 - \$30,000
 Age 65 and older - \$20,000

Different amounts are applicable for Local 369 participants who retired prior to January 1, 2007.

Actual individual life insurance coverage amounts for current retirees are provided in the census data.

Life Insurance Benefits – Union Local 12004 Participants

Eligibility

Employees formerly represented by Locals 333, 338, 339 and 392 who retire prior to May 1, 2001 are entitled to receive benefits described in this section. Individuals who retired on or after May 1, 2001 are entitled to benefits described in the Local 369 plan provisions.

Employees of Local 12004 who attained age 40 and 12 years of service as of January 1, 1993 and whose age plus years of service as of December 31, 2003 total at least 75 are eligible for benefits described in this section. All other employees of Local 12004 are entitled to benefits as described in the Local 369 plan provisions.

Postretirement contributions

None

Benefits

If the “Rule of 75” was met as of January 1, 1990, the life insurance benefit is one times final pay to a maximum of \$300,000, reduced to 50% at age 70. If the “Rule of 75” was not met as of this date, the life insurance benefit is one times final pay to a maximum of \$300,000, reduced to \$15,000 at age 62.

Appendix D – Summary of principal MedVantage plan provisions

Substantive Plan Provisions

The following substantive plan provisions were effective January 1, 2015

Medical Benefits

Participation	Non-union employees hired before January 1, 2006 (and union employees on dates negotiated in their respective collectively bargained agreements) who elected the K-Vantage plan (instead of the pension plan) and those non-union employees who were hired January 1, 2006 and later (and union employees on dates negotiated).
Vesting	Three years of service
Health care account	The sum of the Company Contributions and the Interest Credits
Company contributions	<p>\$1,000 multiplied by 1. / 2.</p> <ol style="list-style-type: none">1) The number of pay periods worked during the year (max 26) after attainment of age 40 while eligible for the K-Vantage plan2) 26 <p>The employer credit shall be recorded on each bi-weekly pay period or date of termination.</p>
Interest credits	<p>The interest crediting rate shall be the 5-year US Treasury constant maturity average yield during the month of November preceding the applicable calendar year.</p> <p>Interest on the account will be determined based on average of beginning and end of year balances. However, no interest will be credit if the end of year balance is zero. Interest will be credited to the account as of each bi-weekly pay period.</p>
Payment of benefit claims	Account may be used to pay any qualified participant healthcare expense.
Death benefit	Eligible spouses can access account following death of retiree. Account is forfeited after death of both retiree and spouse. If no spouse, the account is forfeited after the death of the retiree.