Public Service Company of New Hampshire, d/b/a Eversource Energy Docket No. DE 19-106 Dated: July 3, 2019 Attachment EAD-1 Page 1 of 1

(A)

Current

Rates

Effective

08/01/2018 (1)

0.02039

0.01578

0.01578

0.02039

0.01331

0.01900

0.00715

0.00383

0.01900

0.01578

0.01578

0.01578

7.04

7.04

6.93

0.83

0.01394

3.47

5.26

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

(B)

Proposed

Rates

Effective

08/01/2019 (2)

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

\$

0.02241

0.01735

0.01735

0.02241

0.01463

0.02089

0.00786

0.00421

0.02089

3.81

0.01735

0.01735

0.01735

7.74

7.74

7.62

1.02

0.01532

5.78

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION

TRANSMISSION RATES PROPOSED FOR EFFECT ON AUGUST 1, 2019

Blocks

All KWH

All KWH

All KWH

On-peak KWH

Off-peak KWH

First 500 KWH

All KWH

Load charge

8-hour option

First 100 KW

All additional KW

Demand charge

Demand charge

Radio-controlled option

10 or 11-hour option

Next 1,000 KWH

All additional KWH

Load charge (over 5 KW)

Rate

R

Uncontrolled Water Heating

Controlled Water Heating

R-OTOD

G

Space Heating

G-OTOD

LCS

G۷

LG

B (3)

OL, EOL

7 8 9 10

1 2

3

4

5

6

11 12

12 13 14 15

15 16 17 18 19 20 21 22 23 24 25

41

42

43 44 45

46

47

48 49

65

66

67

68 69

Notes:

All KWH

⁽¹⁾ Current rates are based on a retail average transmission rate of 1.864 ¢/KWH.

⁽²⁾ Proposed rates are based on a retail average transmission rate of 2.051 ¢/KWH.

⁽³⁾The calculation of the Rate B charge is shown on Attachment EAD-4. All other rates have been calculated by adjusting current rates by an equal percentage necessary to recover the remaining transmission revenue requirement.

2 d/b/a Eversource Energy 3 Docket No. DE 19-106 4 Dated: July 3, 2019 5 Attachment EAD-2 6 Page 1 of 5 7 TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION 8 **RATE B CUSTOMERS** 9 10 11 12 **Base Component Revenue Requirement** 13 14 Total Transmission Revenue Requirement 160,396,966 ELM/DFB-1, Page 1, Line 16 15 16 Times Base Component Ratio 0.32287% EAD-2, Page 2, Line 33 17 18 Base Component Forecasted Revenue Requirement \$ 517,868 Line 14 x Line 16

1

Public Service Company of New Hampshire,

Public Service Company of New Hampshire,

d/b/a Eversource Energy

Docket No. DE 19-106

Dated: July 3, 2019

Attachment EAD-2

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TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION RATE B CUSTOMERS

15 Contribution to Legacy NU System Peak (KW)
16 Period Ending 7/31/19

	Contribution to Logacy ito Cyclem i can (itti)			
16	Period Ending 7/31/19			Ratio of
17				Rate B to
18		Rate B	Total PSNH	Total PSNH
19				
20	Aug-18	966	1,700,761	
21	Sep	4,370	1,526,481	
22	Oct	7,693	1,164,130	
23	Nov	4,115	1,179,267	
24	Dec	8,290	1,270,077	
25	Jan 2019	4,114	1,382,451	
26	Feb	2,314	1,244,754	
27	Mar	1,441	1,202,384	
28	Apr	5,517	1,010,513	
29	May	8,387	1,071,107	
30	Jun ⁽¹⁾	2,833	1,499,215	
31	Jul ⁽¹⁾	1,399	1,680,250	
32				
33	Average	4,286	1,327,616	0.32287%
34	-			
35				

36 (1) Estimated data

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION RATE B CUSTOMERS

Estimated Base Component Reconciliation, 12 months Ending July 31, 2019

Prior Period Transmission Revenue Requirement:

Retail Transmision Operating Costs (Over)/Underrecovery, 13 month period ending 7/31/2018 Return on monthly (over)/underrecovery, 12 month period ending 7/31/2019		64,430,619 (4,731,866) (398,708)	ELM/DFB-1, Page 4, line 21 and Page 5, line 21 ELM/DFB-1, Page 3, line 44 ELM/DFB-1, Page 4, line 40 and Page 5, line 40
Prior Period Transmission Revenue Requirement	\$ 13	39,300,045	Sum of Lines 16 to 18
Times Base Component Ratio		0.32287%	EAD-2, Page 2, Line 38
Prior Period Base Component Revenue Requirement	\$	449,753	Line 20 x Line 22
Base Component Reconciliation for 13-Month Period Ending 7/31/2018		189,265	EAD-2, Page 5, line 32
Total Base Component Revenue Requirement	\$	639,018	Line 24 + Line 26
Base Component Revenue (actual through May 2019; June and July 2019 estimated)		462,954	
Estimated Base Component Reconciliation, 12 months Ending 7/31/2019	\$	176,064	Line 28 - Line 30

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TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION **RATE B CUSTOMERS**

1,071

3,898

1,560,048 1,292,538

0.30156%

14 15

16

26

29 Jul '18

30 Average

6

7

8

Contribution to Legacy NU System Peak (KW) Period Ending 7/31/2018 Ratio of 13 Rate B to Total PSNH Rate B Total PSNH 17 Jul '17 1,561 1,465,729 6,367 1,488,089 18 Aug 1,412,642 19 Sep 1,470 20 Oct 2,588 1,145,145 21 Nov 2,806 1,167,569 22 Dec 979 1,379,370 23 Jan '18 9,256 1,329,112 24 Feb 1,252 1,229,589 2,891 1,139,328 25 Mar 1,056,931 Apr 3,038 27 May 13,424 1,159,715 28 Jun 1,631 1,442,913

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION RATE B CUSTOMERS

1 2 3 4 5 6 7				Public Service Company of New Hampshire, d/b/a Eversource Energy Docket No. DE 19-106 Dated: July 3, 2019 Attachment EAD-2 Page 5 of 5
8	TRANSMISSION COST ADJUSTMENT MECHA	NISM (TCAM) CALCUL	ATION
9	RATE B CUSTOME	RS		
10				
11 12	Actual Base Component Reconciliation, 13 months Ending July 31, 2018			
13	Actual base component Reconciliation, 13 months Ending July 31, 2016			
14	Prior Period Transmission Revenue Requirement:			
15				
16	Retail Transmision Operating Costs	\$	179,644,071	ELM/DFB-1, P3, Line 21 & 2018 CJG-1 P4, Line 19
17	(Over)/Underrecovery, period ending 6/30/2017		5,184,826	2018 CJG-1, P3, Line 42
18	Return on monthly (over)/underrecovery, period Ending 7/31/2018		(92,733)	ELM/DFB-1, P3, Line 40 & 2018 CJG-1, P4, Line 38
19	Disc Bods I Tours de la Boussia De la Constant	•	101700100	0 (1) 40 (40
20 21	Prior Period Transmission Revenue Requirement	\$	184,736,163	Sum of Lines 16 to 18
22	Times Base Component Ratio		0.30156%	EAD-2, Page 4, Line 30
23	Timos Bass Gomponent Name		0.001.0070	2/12/2, 1 ago 1, 2.110/00
24	Prior Period Base Component Revenue Requirement	\$	557,093	Line 20 x Line 22
25				
26	Base Component Reconciliation for 12-Month Period Ending 6/30/2017		(361,041)	2018 RJB-2, P5, Line 21
27		_		
28 29	Total Base Component Revenue Requirement	\$	196,052	Line 24 + Line 26
30	Actual Base Component Revenue, 13 Month Period Ending 7/31/2018		6,787	
31	Actual Base Compension November 1 of Month 1 of the Ending 1701/2010	_	3,707	
32	Actual Base Component Reconciliation, 13 months Ending 7/31/2018	\$	189,265	Line 28 - Line 30

Public Service Company of New Hampshire, d/b/a Eversource Energy Docket No. DE 19-106 Dated: July 3, 2019 Attachment EAD-3 Page 1 of 1

219

22.4%

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION ALLOCATION OF AUGUST 1, 2019 TRANSMISSION REVENUE TO CLASS **BASED ON 2014 BILLING DETERMINANTS**

12 Source 2014 retail billed delivery sales 7.906.557 MWH 13 Forecasted TCAM Rate Attachment ELM/DFB-01, Page 1, Line 20 14 0.02051 per KWH Target transmission revenue \$ 162,128 (000) Line 13 x Line 14 Rate B Base Component Revenue 602 (000) Attachment EAD-4, Line 27 Transmission revenue to be recovered from all other classes 161,526 (000) Line 15 - Line 16 17 18 19 20 21 (1) (2) (3) (4) 22 23 08/01/2019 Revenue at 24 Transmission revenue 08/01/2018 Revenue Change Percent Change 25 excluding Rate B Base Component Rate Level Target Amount 26 Residential Rates R, R-OTOD \$ 27 64,221 70,596 6,374 9.9% 28 29 General Service Rates G, G-OTOD 32,329 35,538 9.9% 3,209 30 9.9% 31 Primary General Service Rate GV 29,736 32,688 2,951 GV Rate B - incremental component only 32 21 23 2 9.9% 33 34 Large General Service Rate LG 19,571 21,514 1,943 9.9% 35 LG Rate B - incremental component only 523 574 52 9.9% 36 37 Outdoor Lighting Rates OL, EOL 540 9.9% 594 54 38 39 Total (Sum of Lines 27 to 37) \$ 146,942 161,526 \$ 14,585 9.9% 40 41 Rate B Base Component 42 GV Rate B - base component \$ 17 23 \$ 6 37.8% LG Rate B - base component 37.8% 44 420 578 159 \$ 45 Total (Line 43 + Line 44) 437 602 165 37.8% 46 47 Total, all customers (Line 39 + Line 45) \$ 147,378 \$ 14,750 10.0% 48 162,128 49 50 51 Total Rate B, incremental plus base: 52 Rate GV: Line 32 + Line 43 \$ 38 47 9 22.4% 53 Rate LG: Line 35+ Line 44 942 1.153 211 22.4%

Notes:

54 Total

1

2 3

4 5

6

7

8

9

10 11

\$

980

1,200

⁽¹⁾ The result of applying rates effective August 1, 2018 to 2014 billing determinants. 59

⁽²⁾ The Rate B base component was taken from Attachment EAD-4. Revenue targets for all other classes were calculated by adjusting current revenues for each class by an equal percentage.

⁽³⁾ Column (2) - Column (1). (4) Column (3) / Column (1). 62 63

Public Service Company of New Hampshire, d/b/a Eversource Energy Docket No. DE 19-106 Dated: July 3, 2019 Attachment EAD-4 Page 1 of 1

	(A) 2014 Billing Demand	Con	(B) Base nponent Rate	(C) = (A) x (B) Revenue from Base Component		(D) Allocated Revenue from Incremental Component		(E) = (D) / (A) Incremental Component of Rate		(F) = (B) + (E) Total Base Plus Incremental Rate	
Rate B customers on Rate GV	45,945	\$	0.51	\$	23,432	\$	23,269	\$	0.51	\$	1.02
Rate B customers on Rate LG	1,134,264	\$	0.51	\$	578,475	\$	574,459	\$	0.51	\$	1.02
Total Rate B customers	1,180,209			\$	601,907	\$	597,728				

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION CALCULATION OF TRANSMISSION REVENUE AND RATES FOR RATE B CUSTOMERS BASED ON DE 06-028 SETTLEMENT AGREEMENT ARTICLE V, SECTION 5.1.1. AND

2014 BILLING DETERMINANTS

Column (B) is from Attachment EAD-2, Page 1, Line 26

Column (D) is from Attachment EAD-3, Column (B), Lines 32 and 35.

Note: Highlighted cells indicate a change from the July 3, 2019 TCAM Filing as a result of a revision to the SCRC rates. Because the change was small, many rates/impacts did not change as a result of the revised filing.

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69

Note: Highlighted cells indicate a change from the July 3, 2019 TCAM Filing as a result of a revision to the SCRC rates Because the change was small, many rates/impacts did not change as a result of the revised filing.

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69

Public Service Company of New Hampshire, d/b/a Eversource Energy Docket no. DE 19-106 Dated: July 3, 2019 Revised Attachment EAD-7 Page 1 of 2

Rate Changes Proposed for Effect on August 01, 2019

Impact of Each Change on Delivery Service Bills

Rate Changes Expressed as a Percentage of Total Delivery Revenue for Each Class

Class	Distribution	Transmission	SCRC	System Benefits	Consumption Tax	Total Delivery Service
Residential Rate R	5.4%	2.0%	3.6%	0.0%	0.0%	10.9%
General Service Rate G	5.0%	2.2%	3.1%	0.0%	0.0%	10.2%
Primary General Service Rate GV	3.4%	3.2%	4.2%	0.0%	0.0%	10.8%
GV Rate B	6.8%	2.7%	2.0%	0.0%	0.0%	11.5%
Total Rate GV	3.4%	3.2%	4.2%	0.0%	0.0%	10.8%
Large General Service Rate LG	3.5%	3.9%	1.5%	0.0%	0.0%	8.9%
LG Rate B	4.3%	7.3%	1.7%	0.0%	0.0%	13.3%
Total Rate LG	3.6%	4.1%	1.6%	0.0%	0.0%	9.2%
Outdoor Lighting Rate OL	7.8%	0.5%	-0.1%	0.0%	0.0%	8.2%
Energy Efficient Outdoor Lt. Rate EOL	7.7%	0.5%	-0.1%	0.0%	0.0%	8.1%
Total Outdoor Lighting	7.7%	0.5%	-0.1%	0.0%	0.0%	8.1%
Total Retail	4.9%	2.4%	3.3%	0.0%	0.0%	10.5%

Note: Highlighted cells indicate a change from the July 3, 2019 TCAM Filing as a result of a revision to the SCRC rates. Because the change was small, many rates/impacts did not change as a result of the revised filing.

1

Rate Changes Proposed for Effect on August 01, 2019

9 10 11

Impact of Each Change on Bills including Energy Service Rate Changes Expressed as a Percentage of Total Revenue for Each Class

35

System Consumption Energy Delivery and Class Distribution **SCRC** Benefits Transmission Tax Service Energy Residential Rate R 2.7% 1.0% 1.8% 0.0% 0.0% -5.8% -0.3% General Service Rate G 2.3% 1.0% 1.4% 0.0% 0.0% -6.3% -1.5% 1.3% 0.0% 0.0% Primary General Service Rate GV 1.1% 1.0% -17.9% -14.5% GV Rate B 4.4% 1.7% 1.3% 0.0% 0.0% -9.2% -1.8% Total Rate GV 1.1% 1.0% 0.0% 0.0% -17.9% -14.5% 1.3% Large General Service Rate LG 0.9% 1.0% 0.4% 0.0% 0.0% -19.7% -17.5% LG Rate B 1.4% 2.3% 0.5% 0.0% 0.0% -17.9% -13.8% Total Rate LG 0.4% 0.9% 1.0% -19.6% -17.3% 0.0% 0.0% Outdoor Lighting Rate OL 5.8% 0.3% -0.1% 0.0% 0.0% -2.9% 3.2% Energy Efficient Outdoor Lt. Rate EOL 5.5% 0.4% -0.1% 0.0% 0.0% -3.2% 2.6% **Total Outdoor Lighting** 5.7% 0.4% -0.1% 0.0% 0.0% -3.1% 2.9% 32 33 Total Retail 2.1% 1.0% 1.4% 0.0% 0.0% -10.3% -5.8% 34

Note: Highlighted cells indicate a change from the July 3, 2019 TCAM Filing as a result of a revision to the SCRC rates. Because the change was small, many rates/impacts did not change as a result of the revised filing.

Public Service Company of New Hampshire,

d/b/a Eversource Energy

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Total