

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY  
TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION  
TRANSMISSION RATES PROPOSED FOR EFFECT ON AUGUST 1, 2018**

			(1) Current Rates Effective 07/01/2017	(2) Proposed Rates Effective 08/01/2018
	<u>Rate</u>	<u>Blocks</u>		
	R	All KWH	\$ 0.02542	\$ 0.02039
10	Uncontrolled Water Heating	All KWH	\$ 0.01967	\$ 0.01578
13	Controlled Water Heating	All KWH	\$ 0.01967	\$ 0.01578
16	R-OTOD	On-peak KWH	\$ 0.02542	\$ 0.02039
17		Off-peak KWH	\$ 0.01659	\$ 0.01331
20	G	Load charge (over 5 KW)	\$ 6.56	\$ 5.26
22		First 500 KWH	\$ 0.02369	\$ 0.01900
23		Next 1,000 KWH	\$ 0.00891	\$ 0.00715
24		All additional KWH	\$ 0.00478	\$ 0.00383
27	Space Heating	All KWH	\$ 0.02369	\$ 0.01900
30	G-OTOD	Load charge	\$ 4.33	\$ 3.47
33	LCS	Radio-controlled option	\$ 0.01967	\$ 0.01578
34		8-hour option	\$ 0.01967	\$ 0.01578
35		10 or 11-hour option	\$ 0.01967	\$ 0.01578
38	GV	First 100 KW	\$ 8.78	\$ 7.04
39		All additional KW	\$ 8.78	\$ 7.04
42	LG	Demand charge	\$ 8.64	\$ 6.93
45	B	Demand charge	\$ 0.66	\$ 0.83
48	OL, EOL	All KWH	\$ 0.01738	\$ 0.01394

## Notes:

(1) Current rates are based on a retail average transmission rate of 2.318 ¢/KWH.

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

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



**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY  
TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION  
RATE B CUSTOMERS**

1 Contribution to Legacy NU System Peak (KW)			
2 Period Ending 7/31/18			
3			Ratio of
4	Rate B	Total PSNH	Rate B to
5			Total PSNH
6 Jul 2017	1,561	1,465,729	
7 Aug	6,367	1,488,089	
8 Sep	1,470	1,412,642	
9 Oct	2,588	1,145,145	
10 Nov	2,806	1,167,569	
11 Dec	979	1,379,370	
12 Jan 2018	9,256	1,329,112	
13 Feb	1,252	1,229,589	
14 Mar	2,891	1,139,328	
15 Apr	3,038	1,056,931	
16 May	13,424	1,159,715	
17 Jun <sup>(1)</sup>	2,968	1,505,842	
18 Jul <sup>(1)</sup>	1,417	1,657,230	
19 Average	3,848	1,318,176	0.29188%

<sup>(1)</sup> Estimated data

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY  
TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION  
RATE B CUSTOMERS**

**1 Estimated Base Component Reconciliation, 13 months ending July 31, 2018**

2			
3	Prior Period Transmission Revenue Requirement:		
4			
5	Retail Transmission Operating Costs	\$ 181,906,930	CJG-1, Page 4, line 19 and Page 5, line 21
6	(Over)/Underrecovery, 12 month period ending 6/30/17	\$ 5,185,000	CJG-1, Page 3, line 42
7	Return on monthly (over)/underrecovery, 13 month period ending 7/31/18	\$ (85,330)	CJG-1, Page 4, line 38 and Page 5, line 40
8			
9	Prior Period Transmission Revenue Requirement	\$ 187,006,600	
10			
11	Times Base Component Ratio	0.29188%	RJB-2, Page 2
12			
13	Prior Period Base Component Revenue Requirement	\$ 545,837	
14			
15	Base Component Reconciliation for 12-Month Period Ending 6/30/17	\$ (361,041)	RJB-2, Page 5, line 21
16			
17	Total Base Component Revenue Requirement	\$ 184,796	
18			
19	Base Component Revenue (actual through 5/18, 6/18 and 7/18 estimated)	\$ 155,061	
20			
21	Estimated Base Component Reconciliation, 13 months ending 7/31/18	\$ 29,734	

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

<b>1 Contribution to Legacy NU System Peak (KW)</b>			
<b>2 Period Ending 6/30/17</b>			
3			Ratio of
4	<u>Rate B</u>	<u>Total PSNH</u>	<u>Rate B to</u>
5			<u>Total PSNH</u>
6 Jul '16	1,861	1,591,017	
7 Aug	1,729	1,680,873	
8 Sep	4,906	1,468,891	
9 Oct	6,436	1,122,129	
10 Nov	2,464	1,197,770	
11 Dec	6,778	1,335,797	
12 Jan '17	1,424	1,328,399	
13 Feb	1,142	1,232,357	
14 Mar	929	1,175,660	
15 Apr	6,248	1,057,083	
16 May	5,486	1,289,612	
17 Jun	3,269	1,540,773	
18 Average	3,556	1,335,030	0.26636%

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

1	<b>Actual Base Component Reconciliation, 12 months ending June 30, 2017</b>		
2			
3	Prior Period Transmission Revenue Requirement:		
4			
5	Retail Transmission Operating Costs	\$ 167,625,667	CJG-1, P3, L19 & 2017 CJG-1 P4, L19
6	(Over)/Underrecovery, period ending 6/30/16	\$ 11,545,000	2017 CJG-1, P3, L42
7	Return on monthly (over)/underrecovery, period ending 6/30/17	<u>\$ 130,000</u>	CJG-1, P3, L38 & 2017 CJG-1, P4, L38
8			
9	Prior Period Transmission Revenue Requirement	\$ 179,300,667	
10			
11	Times Base Component Ratio	<u>0.26636%</u>	RJB-2, Page 4
12			
13	Prior Period Base Component Revenue Requirement	\$ 477,583	
14			
15	Base Component Reconciliation for 12-Month Period Ending 6/30/16	<u>\$ 406,446</u>	2017 LBJ-2, P5, L21
16			
17	Total Base Component Revenue Requirement	\$ 884,029	
18			
19	Actual Base Component Revenue, 12 Month Period Ending 6/30/17	<u>\$ 1,245,069</u>	
20			
21	Actual Base Component Reconciliation, 12 months ending 6/30/17	\$ (361,041)	

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION**  
**ALLOCATION OF AUGUST 1, 2018 TRANSMISSION REVENUE TO CLASS**  
**BASED ON 2014 BILLING DETERMINANTS**

1	2014 retail billed delivery sales			7,906,557	MWH
2	Forecasted TCAM Rate (from Attachment CJG-1, Page 1, Line 20)	\$	0.01864	per KWH	
3	Target transmission revenue: Line (1) x Line (2)	\$	147,378	(000)	
4	Rate B Base Component Revenue (from Attachment RJB-4)	\$	437	(000)	
5	Transmission revenue to be recovered from all other classes: Line (3) - Line (4)	\$	146,942	(000)	
6					
7					
8					
9		(1)	(2)	(3)	(4)
10					
11		Revenue at	08/01/2018		
12	<b>Transmission revenue</b>	07/01/2017	Revenue	<u>Change</u>	
13	<b>excluding Rate B Base Component</b>	<u>Rate Level</u>	<u>Target</u>	\$	%
14					
15	Residential Rates R, R-OTOD	\$ 80,054	\$ 64,221	\$ (15,833)	-19.8%
16					
17	General Service Rates G, G-OTOD	40,299	32,329	(7,970)	-19.8%
18					
19	Primary General Service Rate GV	37,067	29,736	(7,331)	-19.8%
20	GV Rate B - incremental component only	26	21	(5)	-19.8%
21					
22	Large General Service Rate LG	24,396	19,571	(4,825)	-19.8%
23	LG Rate B - incremental component only	651	523	(129)	-19.8%
24					
25	Outdoor Lighting Rates OL, EOL	673	540	(133)	-19.8%
26					
27	<b>Total</b>	<b>\$ 183,168</b>	<b>\$ 146,942</b>	<b>\$ (36,226)</b>	<b>-19.8%</b>
28					
29					
30	<b>Rate B Base Component</b>				
31	GV Rate B - base component	\$ 4	\$ 17	\$ 13	311.1%
32	LG Rate B - base component	102	420	318	311.1%
33	<b>Total</b>	<b>\$ 106</b>	<b>\$ 437</b>	<b>\$ 330</b>	<b>311.1%</b>
34					
35					
36	<b>Total, all customers</b>	<b>\$ 183,274</b>	<b>\$ 147,378</b>	<b>\$ (35,896)</b>	<b>-19.6%</b>
37					
38					
39	Total Rate B, incremental plus base:				
40	Rate GV: Line (20) + Line (31)	\$ 31	\$ 38	\$ 8	25.1%
41	Rate LG: Line (23) + Line (32)	\$ 754	942	189	25.1%
42	<b>Total</b>	<b>\$ 784</b>	<b>\$ 980</b>	<b>\$ 196</b>	<b>25.1%</b>

## Notes:

(1) The result of applying rates effective July 1, 2017 to 2014 billing determinants.

(2) The Rate B base component was taken from Attachment RJB-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).

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY  
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**

	(1)	(2)	(3)	(4)	(5)	(6)
	2014	Base	Revenue from	Allocated	Incremental	Total Base
	Billing	Component	Base	Revenue from	Component	Plus
	<u>Demand</u>	<u>of Rate</u>	<u>Component</u>	<u>Incremental</u>	<u>of Rate</u>	<u>Incremental</u>
				<u>Component</u>		<u>Rate</u>
Rate B customers on Rate GV	45,945	\$ 0.37	\$ 17,000	\$ 21,168	\$ 0.46	\$ 0.83
Rate B customers on Rate LG	<u>1,134,264</u>	\$ 0.37	<u>\$ 419,678</u>	<u>\$ 522,590</u>	\$ 0.46	\$ 0.83
Total Rate B customers	1,180,209		\$ 436,677	\$ 543,758		

(2) From Attachment RJB-2, Page 1.

(3) Column (1) x Column (2).

(4) From Attachment RJB-3, Column (2), Lines 20 and 23.

(5) Column (4) / Column (1).

(6) Column (2) + Column (5).