

**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**

Rate	Blocks	(1) Current Rates Effective <u>07/01/2017</u>	(2) Proposed Rates Effective <u>08/01/2018</u>
R	All KWH	\$ 0.02542	\$ 0.02039
Uncontrolled Water Heating	All KWH	\$ 0.01967	\$ 0.01578
Controlled Water Heating	All KWH	\$ 0.01967	\$ 0.01578
R-OTOD	On-peak KWH	\$ 0.02542	\$ 0.02039
	Off-peak KWH	\$ 0.01659	\$ 0.01331
G	Load charge (over 5 KW)	\$ 6.56	\$ 5.26
	First 500 KWH	\$ 0.02369	\$ 0.01900
	Next 1,000 KWH	\$ 0.00891	\$ 0.00715
	All additional KWH	\$ 0.00478	\$ 0.00383
Space Heating	All KWH	\$ 0.02369	\$ 0.01900
G-OTOD	Load charge	\$ 4.33	\$ 3.47
LCS	Radio-controlled option	\$ 0.01967	\$ 0.01578
	8-hour option	\$ 0.01967	\$ 0.01578
	10 or 11-hour option	\$ 0.01967	\$ 0.01578
GV	First 100 KW	\$ 8.78	\$ 7.04
	All additional KW	\$ 8.78	\$ 7.04
LG	Demand charge	\$ 8.64	\$ 6.93
B	Demand charge	\$ 0.66	\$ 0.83
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 Base Component Revenue Requirement

2			
3	Total Transmission Revenue Requirement	\$ 146,066,845	CJG-1, Page 1, Line 16
4			
5	Times Base Component Ratio	x <u>0.29188%</u>	RJB-2, Page 2
6			
7	Base Component Forecasted Revenue Requirement	\$ 426,341	
8			
9	Base Component Reconciliation	+ \$ <u>29,734</u>	RJB-2, Page 3
10			
11	Base Component Revenue Requirement	\$ 456,076	
12			
13	Rate B Projected Billing Demand	1,243,823	
14			
15	Rate B Base Component (L11/L13)	\$ 0.37	per kW or kVA

**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			Ratio of
3			Rate B to
4	<u>Rate B</u>	<u>Total PSNH</u>	<u>Total PSNH</u>
5			
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 ⁽¹⁾	2,968	1,505,842	
18 Jul ⁽¹⁾	1,417	1,657,230	
19 Average	3,848	1,318,176	0.29188%

⁽¹⁾ 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	\$ <u>(85,330)</u>	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	<u>0.29188%</u>	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	\$ <u>(361,041)</u>	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)	\$ <u>155,061</u>	
20			
21	Estimated Base Component Reconciliation, 13 months ending 7/31/18	\$ 29,734	

**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 6/30/17			Ratio of
3			Rate B to
4	<u>Rate B</u>	<u>Total PSNH</u>	<u>Total PSNH</u>
5			
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%

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

1	Actual Base Component Reconciliation, 12 months ending June 30, 2017		
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	Transmission revenue	07/01/2017	Revenue	<u>Change</u>	
13	excluding Rate B Base Component	<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	<u>673</u>	<u>540</u>	<u>(133)</u>	<u>-19.8%</u>
26					
27	Total	\$ 183,168	\$ 146,942	\$ (36,226)	-19.8%
28					
29					
30	Rate B Base Component				
31	GV Rate B - base component	\$ 4	\$ 17	\$ 13	311.1%
32	LG Rate B - base component	<u>102</u>	<u>420</u>	<u>318</u>	<u>311.1%</u>
33	Total	\$ 106	\$ 437	\$ 330	311.1%
34					
35					
36	Total, all customers	\$ 183,274	\$ 147,378	\$ (35,896)	-19.6%
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)	<u>\$ 754</u>	<u>942</u>	<u>189</u>	<u>25.1%</u>
42	Total	\$ 784	\$ 980	\$ 196	25.1%

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 Billing Demand	Base Component of Rate	Revenue from Base Component	Allocated Revenue from Incremental Component	Incremental Component of Rate	Total Base Plus Incremental Rate
7 Rate B customers on Rate GV	45,945	\$ 0.37	\$ 17,000	\$ 21,168	\$ 0.46	\$ 0.83
10 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
13 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).