

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

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Summary of Forecasted Energy Service

Cost For January 2018 Through December 2018

TOTAL COST Cents per KWH Reference

Fossil energy costs	\$ 48,473	\$ 1.49	Attachment CJC-2, page 2
F/H O&M, depreciation & taxes	105,591	3.25	Attachment CJC-2, page 2
Return on rate base	39,298	1.21	Attachment CJC-2, page 2
ISO-NE ancillary	1,745	0.05	Attachment CJC-2, page 2
Capacity	(35,194)	(1.08)	Attachment CJC-2, page 2
NH RPS	30,866	0.95	Attachment CJC-2, page 2
RGGI costs	1,856	0.06	Attachment CJC-2, page 2
IPP costs (1)	11,755	0.36	Attachment CJC-2, page 2
Burgess BioPower	36,074	1.11	Attachment CJC-2, page 2
Purchases and sales	38,874	1.20	Attachment CJC-2, page 2
Return on ES Deferral	173	0.01	Attachment CJC-2, page 2
Total Forecasted Energy Service Cost	\$ 279,512	\$ 8.60	
2017 ES Over/Under Recovery	5,962	0.18	Attachment CJC-3, page 1
Net Forecasted Energy Service Cost	\$ 285,474		
Forecasted Retail MWH Sales	3,251,680	8.78	
Forecasted Energy Service Rate - cents Per KWH (line 28 / Line 30)	8.78		
Plus Scrubber ES Rate cents per kwh per DE 11-250	1.72		
Total Energy Service Rate - cents per kwh	10.50		

(1) The IPP costs represent the forecasted market value of IPP generation.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

	January 2018 Estimate	February 2018 Estimate	March 2018 Estimate	April 2018 Estimate	May 2018 Estimate	June 2018 Estimate	Reference
10 Energy Service Cost							
12 Fossil energy costs	\$ 15,828	\$ 16,538	\$ 2,959	\$ 375	\$ 1,055	\$ 1,021	CJG-2, P3, Lines 11+14+15+18
13 F/H O&M, depreciation & taxes	8,174	7,949	9,969	12,279	9,238	7,977	CJG-2, P5, Line 19
14 Return on rate base	3,408	3,317	3,284	3,250	3,216	3,281	CJG-2, P6, Line 27
15 ISO-NE ancillary	35	7	208	110	103	178	CJG-2, P3, Line 44
16 Capacity	(1,714)	(1,628)	(2,204)	(2,683)	(2,941)	(3,577)	CJG-2, P3, Line 49
17 NH RPS	3,093	2,818	2,708	2,222	2,177	2,397	CJG-2, P3, Line 45
18 RGGI costs	718	810	103	8	-	-	CJG-2, P3, Line 46
19 IPP costs (1)	1,885	1,546	1,138	939	765	664	CJG-2, P3, Line 21+22
20 Burgess BioPower	3,219	2,934	3,219	2,175	3,219	3,124	CJG-2, P3, Line 25+26
21 Purchases and sales (inc. Congestion and Loss Adj.)	(5,682)	(7,370)	6,389	4,641	3,210	4,563	CJG-2, P3, Lines 29+30+33+36+38
22 Return on ES Deferral	13	14	18	24	27	24	
24 Total Energy Service Cost	\$ 28,977	\$ 26,936	\$ 27,791	\$ 23,340	\$ 20,068	\$ 19,652	
26 Forecasted Retail MWH Sales	325,819	296,899	285,330	234,119	229,336	252,572	
28 Energy Service Cost - cents per kwh	8.89	9.07	9.74	9.97	8.75	7.78	

31 (1) The IPP costs represent the forecasted market value of IPP generation.

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

	July 2018 Estimate	August 2018 Estimate	September 2018 Estimate	October 2018 Estimate	November 2018 Estimate	December 2018 Estimate	Total	Reference
Energy Service Cost								
Fossil energy costs	\$ 1,539	\$ 1,135	\$ 1,225	\$ 1,055	\$ 1,021	\$ 4,722	\$ 48,473	CJG-2, P3, Lines 11+14+15+18
F/H O&M, depreciation & taxes	8,706	8,276	8,242	8,569	7,686	8,526	105,591	CJG-2, P5, Line 19
Return on rate base	3,342	3,305	3,272	3,241	3,215	3,168	39,298	CJG-2, P6, Line 27
ISO-NE ancillary	237	233	163	140	131	200	1,745	CJG-2, P3, Line 44
Capacity	(3,188)	(3,242)	(3,615)	(4,041)	(3,428)	(2,933)	(35,194)	CJG-2, P3, Line 49
NH RPS	2,839	2,810	2,284	2,201	2,384	2,932	30,866	CJG-2, P3, Line 45
RGGI costs	16	2	7	-	-	193	1,856	CJG-2, P3, Line 46
IPP costs (1)	749	679	539	745	846	1,261	11,755	CJG-2, P3, Line 21+22
Burgess BioPower	3,219	3,219	3,124	2,270	3,124	3,229	36,074	CJG-2, P3, Line 25+26
Purchases and sales (inc. Congestion and Loss Adj.)	7,200	6,990	4,144	4,170	4,947	5,674	38,874	CJG-2, P3, Lines 29+30+33+36+38
Return on ES Deferral	19	15	10	7	2	(0)	173	
Total Energy Service Cost	\$ 24,678	\$ 23,421	\$ 19,396	\$ 18,356	\$ 19,928	\$ 26,971	\$ 279,512	
Forecasted Retail MWH Sales	299,097	296,019	240,626	231,873	251,140	308,850	3,251,680	
Energy Service Cost - cents per kwh	8.25	7.91	8.06	7.92	7.93	8.73		

(1) The IPP costs represent the forecasted market value of IPP generation.

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION

PSNH Generation (GWh) and Expense (\$000)
IPPs Priced at Market Rate

			Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
8	Hydro	Energy	32.201	26.666	35.103	39.664	37.156	29.207	22.833	18.681	14.963	22.736	30.128	31.364	340.702
10	Coal	Energy	280.765	325.764	38.819	1.901	0.000	0.000	2.478	0.000	1.239	0.000	0.000	74.691	725.658
11		Energy Expense	\$ 13,506	15,585	1,921	113	0	0	141	0	71	0	0	3,667	35,004
13	Wood	Energy	28.473	25.717	28.014	7.080	28.473	27.554	28.473	28.473	27.554	28.473	27.554	28.473	314.312
14		Energy Expense	\$ 1,555	1,404	1,530	387	1,555	1,504	1,555	1,555	1,504	1,555	1,504	1,555	17,161
15		Revenue Credit	\$ (500)	(451)	(492)	(124)	(500)	(484)	(500)	(500)	(484)	(500)	(484)	(500)	(5,518)
17	Newington	Energy	7.448	0.000	0.000	0.000	0.000	0.000	4.940	1.520	1.900	0.000	0.000	0.000	15.808
18		Energy Expense	\$ 1,268	0	0	0	0	0	343	81	134	0	0	0	1,825
20	IPPs	Energy	24.137	19.669	20.910	25.321	21.946	17.853	17.609	15.926	13.667	18.460	19.183	21.385	236.066
21		Energy Expense	\$ 1,664	1,326	918	721	547	455	540	470	331	459	561	975	8,968
22		ICAP	\$ 220	220	219	219	218	209	209	208	208	285	285	285	2,787
24	Burgess BioPower	Energy	44.696	40.370	44.696	28.836	44.696	43.254	44.696	44.696	43.254	30.278	43.254	44.696	497.421
25		Expense	\$ 2,941	2,656	2,941	1,897	2,941	2,846	2,941	2,941	2,846	1,992	2,846	2,941	32,730
26		ICAP	\$ 278	278	278	278	278	278	278	278	278	278	278	288	3,344
28	Contract Purchases	Energy	6.801	5.750	7.078	5.642	4.549	4.037	3.195	2.740	3.320	5.606	6.300	5.991	61.010
29		Expense	\$ 422	349	372	296	239	212	168	144	174	294	331	315	3,315
30		ICAP	\$ 44	44	44	44	44	23	23	23	23	60	60	60	492
32	Energy Purchases	Energy	37.441	0.000	137.515	139.563	106.121	145.650	192.616	201.543	149.003	140.077	139.619	143.659	1,532.807
33		Expense	\$ 2,014	0	6,341	4,261	2,875	4,289	6,960	6,787	3,921	3,786	4,501	6,485	52,220
35	Energy Sales	Energy	(116.815)	(129.424)	(9.879)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(23.088)	(279.206)
36		(Credit)	\$ (8,924)	(8,549)	(529)	0	0	0	0	0	0	0	0	(1,391)	(19,393)
38	Congestion and Loss Adjustment		\$ 761	785	161	39	52	39	50	36	26	29	56	206	2,239
40	Total Energy GWH		345.147	314.512	302.257	248.008	242.940	267.555	316.840	313.579	254.901	245.629	266.038	327.172	3,444.578
41	Total Energy Expense		\$ 15,249	13,648	13,704	8,130	8,249	9,371	12,707	12,022	9,032	8,239	9,938	14,886	135,177
44	ISO-NE Ancillary		\$ 35	7	208	110	103	178	237	233	163	140	131	200	1,745
45	NH RPS		\$ 3,093	2,818	2,708	2,222	2,177	2,397	2,839	2,810	2,284	2,201	2,384	2,932	30,866
46	RGGI Costs		\$ 718	810	103	8	0	0	16	2	7	0	0	193	1,856
48	Capacity (sold)/bought MW-mo		(246)	(235)	(318)	(388)	(426)	(380)	(339)	(346)	(386)	(431)	(366)	(313)	(4,174)
49	Capacity (sold)/bought Cost (\$000)		\$ (1,714)	(1,628)	(2,204)	(2,683)	(2,941)	(3,577)	(3,188)	(3,242)	(3,615)	(4,041)	(3,428)	(2,933)	(35,194)

Amounts shown above may not add due to rounding.

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION**

Forecasted PSNH IPP Market Value - January - December 2018

IPP Energy at							
Month	IPP GWh	Mkt Value (\$000)	Capacity MW	ICAP Value \$/kw-mo	ICAP (\$000)	Total (\$000)	Total \$/MWh
January	24.137	1,664	31.7	6.96	220	1,885	78.09
February	19.669	1,326	31.7	6.94	220	1,546	78.61
March	20.910	918	31.7	6.93	219	1,138	54.40
April	25.321	721	31.7	6.91	219	939	37.10
May	21.946	547	31.7	6.89	218	765	34.86
June	17.853	455	22.2	9.41	209	664	37.20
July	17.609	540	22.2	9.40	209	749	42.52
August	15.926	470	22.2	9.38	208	679	42.61
September	13.667	331	22.2	9.37	208	539	39.43
October	18.460	459	30.5	9.37	285	745	40.36
November	19.183	561	30.5	9.37	285	846	44.11
December	21.385	975	30.5	9.37	285	1,261	58.96
Total	236.066	8,968			2,787	11,755	49.80

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
FOSSIL / HYDRO O&M, DEPRECIATION & TAXES DETAIL
(Dollars in 000s)

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	January 2018 Estimate	February 2018 Estimate	March 2018 Estimate	April 2018 Estimate	May 2018 Estimate	June 2018 Estimate	July 2018 Estimate	August 2018 Estimate	September 2018 Estimate	October 2018 Estimate	November 2018 Estimate	December 2018 Estimate	Total
Fossil / Hydro O&M, Depr. & Taxes													
F/H Operation & Maintenance Cost	\$ 5,346	\$ 5,082	\$ 7,041	\$ 9,531	\$ 6,385	\$ 5,147	\$ 5,807	\$ 5,437	\$ 5,412	\$ 5,699	\$ 4,863	\$ 5,823	\$ 71,573
F/H Depreciation Cost	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	1,873	22,475
F/H Property Taxes	732	732	732	732	732	732	732	732	732	732	732	732	8,785
F/H Payroll and Other Taxes	159	198	259	77	182	159	227	167	158	196	149	29	1,960
Amort. of Asset Retirement Obligation	64	64	64	66	66	66	67	67	67	69	69	69	798
Total F/H O&M, Depr. and Taxes	\$ 8,174	\$ 7,949	\$ 9,969	\$ 12,279	\$ 9,238	\$ 7,977	\$ 8,706	\$ 8,276	\$ 8,242	\$ 8,569	\$ 7,686	\$ 8,526	\$ 105,591

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
FOSSIL/HYDRO RETURN ON RATE BASE
(Dollars in 000s)

	January 2018	February 2018	March 2018	April 2018	May 2018	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018	December 2018	Total
Return on Rate Base	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	
Rate base													
Net Plant	270,346	268,504	266,661	264,818	262,975	261,133	259,290	257,448	255,607	253,766	251,924	250,083	
Working Capital Allow. (45 days of O&M)	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	
Fossil Fuel Inventory	94,621	94,621	94,621	94,621	94,621	94,621	94,621	94,621	94,621	94,621	94,621	94,621	
Mat'l's and Supplies	55,765	55,765	55,765	55,765	55,765	55,765	55,765	55,765	55,765	55,765	55,765	55,765	
Prepayments	1,724	1,724	1,724	1,724	1,724	1,724	1,724	1,724	1,724	1,724	1,724	1,724	
Deferred Taxes	(42,482)	(41,526)	(40,032)	(39,986)	(39,004)	(44,354)	(43,707)	(42,689)	(41,725)	(40,830)	(38,927)	(41,480)	
Other Regulatory Obligations	(37,389)	(40,271)	(43,043)	(45,330)	(47,573)	(23,499)	(26,405)	(29,283)	(31,634)	(33,903)	(36,356)	(39,357)	
Total Rate Base (L15 thru L22)	351,678	347,910	344,789	340,705	337,601	354,483	350,381	346,679	343,451	340,236	337,844	330,449	
Average Rate Base (prev + curr month)	359,464	349,794	346,349	342,747	339,153	346,042	352,432	348,530	345,065	341,843	339,040	334,146	
x Return	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	
Return (L25 x L26)	\$ 3,408	\$ 3,317	\$ 3,284	\$ 3,250	\$ 3,216	\$ 3,281	\$ 3,342	\$ 3,305	\$ 3,272	\$ 3,241	\$ 3,215	\$ 3,168	\$ 39,298

Amounts shown above may not add due to rounding.

1 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2 2018 ENERGY SERVICE RATE CALCULATION
3 (Dollars in 000s)
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8 **Summary of Forecasted Energy Service**

9 **Cost For January 2017 Through December 2017**

	TOTAL COST	Cents per KWH	Reference
10			
11 Fossil energy costs	\$ 32,789	\$ 1.01	Attachment CJK-4, page 2
12 F/H O&M, depreciation & taxes	107,258	\$ 3.30	Attachment CJK-4, page 2
13 Return on rate base	43,077	\$ 1.32	Attachment CJK-4, page 2
14 ISO-NE ancillary	514	\$ 0.02	Attachment CJK-4, page 2
15 Capacity	(20,226)	\$ (0.62)	Attachment CJK-4, page 2
16 NH RPS	32,250	\$ 0.99	Attachment CJK-4, page 2
17 Seabrook costs / (credits)	-	\$ -	Attachment CJK-4, page 2
18 Vermont Yankee	(17)	\$ (0.00)	Attachment CJK-4, page 2
19 RGGI costs	708	\$ 0.02	Attachment CJK-4, page 2
20 IPP costs (*)	7,928	\$ 0.24	Attachment CJK-4, page 2
21 Burgess BioPower	35,718	\$ 1.10	Attachment CJK-4, page 2
22 Purchases and sales	69,538	\$ 2.14	Attachment CJK-4, page 2
23 Return on ES Deferral	347	\$ 0.01	Attachment CJK-4, page 2
24 2016 Actual ES under recovery (**)	10,732		
25			
26 Total Updated Energy Service Cost	\$ 320,617		
27 Total Updated Revenue	314,655		
28 2017 ES (Over)/Under Recovery	5,962		

(*) The IPP costs represent the forecasted market value of IPP generation.

(**) Excludes cost associated with the CSL Settlement being reviewed in DE 17-075

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

	January 2017 Actual	February 2017 Actual	March 2017 Actual	April 2017 Actual	May 2017 Actual	June 2017 Actual	Reference
<u>Energy Service Cost</u>							
Fossil energy costs	\$ 3,505	\$ 4,093	\$ 2,128	\$ 2,409	\$ 3,835	\$ 4,643	CJG-4, P3, Lines 11+14+15+18+21
F/H O&M, depreciation & taxes	9,129	7,920	8,239	10,221	9,635	9,857	CJG-4, P5, Line 19
Return on rate base	3,741	3,724	3,659	3,707	3,716	3,423	CJG-4, P6, Line 27
ISO-NE ancillary	315	492	428	359	(1,568)	(310)	CJG-4, P3, Line 47
Capacity	(942)	(961)	(990)	(1,009)	(993)	(1,018)	CJG-4, P3, Line 52
NH RPS	2,315	2,314	2,286	2,260	2,474	6,145	CJG-4, P3, Line 48
Seabrook costs / (credits)	-	-	-	-	-	-	
Vermont Yankee	(0)	3	1	(20)	3	(7)	
RGGI costs	96	109	32	6	49	115	CJG-4, P3, Line 49
IPP costs (*)	790	499	620	718	586	566	CJG-4, P3, Line 24+25
Burgess BioPower	2,857	2,304	3,545	2,466	3,582	3,455	CJG-4, P3, Line 28+29
Purchases and sales (inc. Congestion and Loss Adj.)	6,449	4,749	7,201	6,180	6,305	5,235	CJG-4, P3, Lines 32+33+36+39+41
Return on ES Deferral	17	14	16	21	32	49	
2016 Actual ES under recovery	10,732						
Total Energy Service Cost	\$ 39,003	\$ 25,260	\$ 27,166	\$ 27,318	\$ 27,656	\$ 32,151	
Total Energy Service Revenue at 9.45 cents/kwh	\$ 31,732	\$ 25,122	\$ 26,234	\$ 22,499	\$ 21,389	\$ 24,738	
ES Under/(Over) Recovery	7,271	138	932	4,819	6,267	7,413	
Forecasted Retail MWH Sales	340,041	263,673	279,703	238,992	227,365	262,768	
Energy Service Cost - cents per kwh	11.47	9.58	9.71	11.43	12.16	12.24	

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

	July 2017 Actual	August 2017 Actual	September 2017 Estimate	October 2017 Estimate	November 2017 Estimate	December 2017 Estimate	Total	Reference
Energy Service Cost								
Fossil energy costs	\$ 2,617	\$ 1,807	\$ 682	\$ 1,045	\$ 1,011	\$ 5,014	\$ 32,789	CJG-4, P3, Lines 11+14+15+18+21
F/H O&M, depreciation & taxes	9,661	8,399	8,506	8,832	7,950	8,909	107,258	CJG-4, P5, Line 19
Return on rate base	3,552	3,560	3,541	3,503	3,479	3,474	43,077	CJG-4, P6, Line 27
ISO-NE ancillary	65	281	178	152	143	(23)	514	CJG-4, P3, Line 47
Capacity	(2,328)	(1,517)	(2,705)	(3,016)	(2,561)	(2,187)	(20,226)	CJG-4, P3, Line 52
NH RPS	2,316	2,314	1,870	1,805	2,849	3,301	32,250	CJG-4, P3, Line 48
Seabrook costs / (credits)	-	-	-	-	-	-	-	
Vermont Yankee	(1)	5	-	-	-	-	(17)	
RGGI costs	67	14	5	-	-	215	708	CJG-4, P3, Line 49
IPP costs (*)	559	428	423	699	792	1,247	7,928	CJG-4, P3, Line 24+25
Burgess BioPower	2,983	2,838	3,074	2,270	3,124	3,219	35,718	CJG-4, P3, Line 28+29
Purchases and sales (inc. Congestion and Loss Adj.)	6,514	7,102	3,992	4,457	5,185	6,168	69,538	CJG-4, P3, Lines 32+33+36+39+41
Return on ES Deferral	53	46	37	28	20	14	347	
2016 Actual ES under recovery							10,732	
Total Energy Service Cost	\$ 26,059	\$ 25,279	\$ 19,604	\$ 19,775	\$ 21,993	\$ 29,352	\$ 320,617	
Total Energy Service Revenue at 9.94 cents/kwh	\$ 28,786	\$ 29,139	\$ 24,471	\$ 23,620	\$ 25,504	\$ 31,420	\$ 314,655	
ES Under/(Over) Recovery	(2,727)	(3,860)	(4,867)	(3,845)	(3,512)	(2,068)	\$ 5,962	
Forecasted Retail MWH Sales	294,826	290,263	246,192	237,627	256,582	316,095	3,254,127	
Energy Service Cost - cents per kwh	8.84	8.71	7.96	8.32	8.57	9.29	9.85	

(*) The IPP costs represent the forecasted market value of IPP generation.

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION

PSNH Generation (GWh) and Expense (\$000)
IPPs Priced at Market Rate

		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
Hydro:	Energy	30.536	25.810	36.939	41.781	45.005	34.519	29.573	15.740	14.963	22.736	30.128	31.364	359.093
Coal:	Energy	42.955	49.862	11.567	(1.100)	3.358	35.127	23.833	(0.716)	1.099	0.000	0.000	76.581	242.565
	Energy Expense	\$ 2,553	3,125	1,061	2,318	1,650	2,342	1,683	461	76	0	0	3,969	19,239
Wood:	Energy	26.259	25.430	27.849	4.390	26.004	29.654	29.648	29.182	16.523	28.473	27.554	28.473	299.440
	Energy Expense	\$ 1,325	1,341	1,470	308	1,150	1,426	1,446	1,351	902	1,555	1,504	1,555	15,333
	Revenue Credit	\$ (519)	(509)	(539)	(244)	(516)	245	(562)	(556)	(296)	(510)	(493)	(510)	(5,008)
IC/Jets	Energy	0.088	0.110	0.051	0.047	0.439	0.174	0.054	0.097	0.000	0.000	0.000	0.000	1.060
	Energy Expense	\$ 23	31	17	8	118	64	17	27	0	0	0	0	306
Newington:	Energy	(1.089)	(0.647)	(1.093)	(0.896)	19.940	5.494	(0.746)	5.930	0.000	0.000	0.000	0.000	26.893
	Energy Expense	\$ 122	105	119	18	1,432	566	32	525	0	0	0	0	2,919
IPP's:	Energy	19.002	15.137	17.113	21.675	22.010	18.477	15.489	11.975	13.682	18.466	19.170	21.370	213.565
	Energy Expense	\$ 738	447	569	666	534	460	453	323	263	476	570	1,025	6,525
	ICAP	\$ 52	52	52	52	52	106	106	106	160	223	222	222	1,403
Burgess BioPower	Energy	45.022	36.758	48.835	33.240	50.195	48.269	41.016	38.818	42.491	30.278	43.254	44.696	502.871
	Expense	\$ 2,579	2,026	3,268	2,188	3,304	3,177	2,706	2,561	2,796	1,992	2,846	2,941	32,384
	ICAP	\$ 278	278	278	278	278	278	278	278	278	278	278	278	3,334
Contract Purchases	Energy	5.726	5.690	8.894	5.739	5.013	4.471	34.805	39.904	27.320	5.606	6.300	5.991	155.459
	Expense	\$ 825	863	1,109	1,086	1,163	1,068	1,982	2,010	980	294	331	315	12,025
	ICAP	\$ 25	25	25	25	25	20	19	19	17	45	45	44	335
Energy Purchases	Energy	181.708	169.165	175.287	171.080	131.929	138.104	167.253	185.734	144.719	146.166	145.397	149.367	1,905.908
	Expense	\$ 7,324	5,449	6,830	5,810	4,990	4,650	5,143	5,374	2,996	4,087	4,753	7,051	64,457
Energy Sales	Energy	(39.204)	(48.831)	(26.878)	(29.450)	(20.438)	(28.569)	(23.621)	(16.108)	0.000	0.000	0.000	(22.995)	(256.094)
	(Credit)	\$ (1,724)	(1,589)	(763)	(741)	126	(502)	(630)	(301)	0	0	0	(1,462)	(7,586)
Congestion and Loss Adjustment		\$ 0	0	0	0	0	0	0	0	(0)	31	56	221	308
Total Energy GWH		311.003	278.484	298.564	246.505	283.455	285.719	317.304	310.556	260.797	251.724	271.803	334.847	3,450.761
Total Energy Expense		\$ 13,601	11,645	13,495	11,772	14,310	13,899	12,673	12,176	8,172	8,471	10,112	15,648	145,973
ISO-NE Ancillary		\$ 315	492	428	359	(1,568)	(310)	65	281	178	152	143	(23)	514
NH RPS		\$ 2,315	2,314	2,286	2,260	2,474	6,145	2,316	2,314	1,870	1,805	2,849	3,301	32,250
RGGI Costs		\$ 96	109	32	6	49	115	67	14	5	0	0	215	708
Capacity (sold)/bought MW-mo		(338)	(342)	(351)	(410)	(459)	(323)	(322)	(323)	(385)	(431)	(367)	(314)	(4,363)
Capacity (sold)/bought Cost (\$000)		\$ (942)	(961)	(990)	(1,009)	(993)	(1,018)	(2,328)	(1,517)	(2,705)	(3,016)	(2,561)	(2,187)	(20,226)

Amounts shown above may not add due to rounding.

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION

Forecasted PSNH IPP Market Value - September - December 2017

Month	IPP Energy at		Capacity MW	ICAP Value \$/kw-mo	ICAP (\$000)	Total (\$000)	Total \$/MWh
	IPP GWh	Mkt Value (\$000)					
September	13.682	263	22.7	7.02	160	423	30.92
October	18.466	476	31.8	7.00	223	699	37.86
November	19.170	570	31.8	6.99	222	792	41.30
December	21.370	1,025	31.8	6.97	222	1,247	58.35
Total	72.688	2,335			826	3,161	43.49

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
Fossil / Hydro O&M, Depreciation & Taxes Detail
(Dollars in 000s)

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	January 2017 Actual	February 2017 Actual	March 2017 Actual	April 2017 Actual	May 2017 Actual	June 2017 Actual	July 2017 Actual	August 2017 Actual	September 2017 Estimate	October 2017 Estimate	November 2017 Estimate	December 2017 Estimate	Total
Fossil / Hydro O&M, Depr. & Taxes													
F/H Operation & Maintenance Cost	\$ 5,898	\$ 5,189	\$ 5,353	\$ 7,123	\$ 6,214	\$ 6,035	\$ 5,722	\$ 5,623	\$ 5,710	\$ 5,997	\$ 5,162	\$ 6,121	\$ 70,147
F/H Depreciation Cost	2,073	2,076	2,077	2,116	2,436	2,903	2,909	1,847	1,873	1,873	1,873	1,873	25,928
F/H Property Taxes	922	425	572	764	762	701	754	732	732	732	732	732	8,560
F/H Payroll and Other Taxes	177	172	179	159	164	159	215	136	130	168	121	121	1,901
Amort. of Asset Retirement Obligation	58	58	58	60	60	60	61	61	61	62	62	62	722
Total F/H O&M, Depr. and Taxes	\$ 9,129	\$ 7,920	\$ 8,239	\$ 10,221	\$ 9,635	\$ 9,857	\$ 9,661	\$ 8,399	\$ 8,506	\$ 8,832	\$ 7,950	\$ 8,909	\$ 107,258

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2018 ENERGY SERVICE RATE CALCULATION
FOSSIL/HYDRO RETURN ON RATE BASE
(Dollars in 000s)

	January 2017 Actual	February 2017 Actual	March 2017 Actual	April 2017 Actual	May 2017 Actual	June 2017 Actual	July 2017 Actual	August 2017 Actual	September 2017 Estimate	October 2017 Estimate	November 2017 Estimate	December 2017 Estimate	Total
Return on Rate Base													
Rate base													
Net Plant	289,781	291,079	285,433	286,730	288,027	279,486	280,821	282,119	276,213	274,551	272,890	274,188	
Working Capital Allow. (45 days of O&M)	8,980	8,980	8,980	8,980	8,980	8,980	8,980	8,980	8,980	8,980	8,980	8,980	
Fossil Fuel Inventory	99,864	99,864	98,311	98,311	98,311	94,621	94,621	94,621	94,621	94,621	94,621	94,621	
Mat'l's and Supplies	62,590	62,590	68,167	68,167	68,167	55,765	55,765	55,765	55,765	55,765	55,765	55,765	
Prepayments	1,724	1,724	1,736	1,736	1,736	1,433	1,433	1,433	1,433	1,433	1,433	1,433	
Deferred Taxes	(48,091)	(48,483)	(43,888)	(44,280)	(44,672)	(44,513)	(44,905)	(45,297)	(45,591)	(45,450)	(44,260)	(44,651)	
Other Regulatory Obligations	(18,921)	(18,921)	(26,028)	(26,028)	(26,028)	(21,681)	(21,681)	(21,681)	(20,512)	(22,014)	(23,516)	(23,516)	
Total Rate Base (L15 thru L22)	395,927	396,832	392,710	393,616	394,521	374,091	375,034	375,939	370,909	367,886	365,913	366,819	
Average Rate Base (prev + curr month)	398,215	396,380	394,771	393,163	394,068	384,306	374,563	375,487	373,424	369,397	366,899	366,366	
x Return	0.9395%	0.9395%	0.9395%	0.9430%	0.9430%	0.9430%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	0.9482%	
Return (L25 x L26)	\$ 3,741	\$ 3,724	\$ 3,659	\$ 3,707	\$ 3,716	\$ 3,423	\$ 3,552	\$ 3,560	\$ 3,541	\$ 3,503	\$ 3,479	\$ 3,474	\$ 43,077

Amounts shown above may not add due to rounding.