

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2014 ENERGY SERVICE RATE CALCULATION  
(Dollars in 000's)

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40

Cost For January 2014 Through December 2014	TOTAL COST	Cents per KWH	Reference
Fossil energy costs	\$ 61,366	\$ 1.60	Attachment EHC-2, page 2
F/H O&M, depreciation & taxes	109,688	2.86	Attachment EHC-2, page 2
Return on rate base	36,343	0.95	Attachment EHC-2, page 2
ISO-NE ancillary	3,378	0.09	Attachment EHC-2, page 2
Capacity	(5,828)	(0.15)	Attachment EHC-2, page 2
NH RPS	5,090	0.13	Attachment EHC-2, page 2
RGGI costs	2,147	0.06	Attachment EHC-2, page 2
RGGI auction refunds	(3,050)	(0.08)	Attachment EHC-2, page 2
IPP costs (1)	25,100	0.66	Attachment EHC-2, page 2
Wood IPPs (1)	1,619	0.04	Attachment EHC-2, page 2
Berlin Station	36,747	0.96	Attachment EHC-2, page 2
Purchases and sales	39,422	1.03	Attachment EHC-2, page 2
Return on ES Deferral	(87)	(0.00)	Attachment EHC-2, page 2
<b>Total Forecasted Energy Service Cost</b>	<b>\$ 311,935</b>	<b>\$ 8.14</b>	
2013 ES (Over)/Under Recovery	(5,094)	(0.13)	Attachment EHC-3, page 1
<b>Net Forecasted Energy Service Cost</b>	<b>\$ 306,841</b>		
<b>Forecasted Retail MWH Sales</b>	<b>3,830,948</b>	<b>8.01</b>	
Forecasted Energy Service Rate - cents Per KWH (line 30 / Line 32)	8.01		
Plus Scrubber ES Rate cents per kwh per DE 11-250	0.98		
<b>Total Energy Service Rate - cents per kwh</b>	<b>8.99</b>		

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

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2013 ENERGY SERVICE RATE CALCULATION  
(Dollars in 000s)

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36

**Summary of Forecasted Energy Service**

**Cost For January 2013 Through December 2013**

TOTAL COST      Cents per KWH      Reference

	TOTAL COST	Cents per KWH	Reference
Fossil energy costs	\$ 88,669	\$ 2.29	Attachment EHC-4, page 2
Fossil RPC adjustment (*)	(2)	(0.00)	Attachment EHC-4, page 2
F/H O&M, depreciation & taxes	104,191	2.69	Attachment EHC-4, page 2
Return on rate base	39,621	1.02	Attachment EHC-4, page 2
ISO-NE ancillary	(1,576)	(0.04)	Attachment EHC-4, page 2
Capacity	(1,821)	(0.05)	Attachment EHC-4, page 2
NH RPS	10,616	0.27	Attachment EHC-4, page 2
Vermont Yankee	14	0.00	Attachment EHC-4, page 2
RGGI costs	1,448	0.04	Attachment EHC-4, page 2
RGGI Auction Refunds	(9,326)	(0.24)	Attachment EHC-4, page 2
IPP costs (**)	24,551	0.63	Attachment EHC-4, page 2
Wood IPPs (**)	19,772	0.51	Attachment EHC-4, page 2
Berlin Station	4,257	0.11	Attachment EHC-4, page 2
Purchases and sales	20,483	0.53	Attachment EHC-4, page 2
Return on ES Deferral	(44)	(0.00)	Attachment EHC-4, page 2
2012 Actual ES under-recovery (***)	<u>7,833</u>	0.20	Attachment EHC-4, page 2
Total Updated Energy Service Cost	\$ 308,685		
Total Updated Revenue	<u>313,780</u>		
2013 ES (Over)/Under Recovery	\$ (5,094)		

(\*) Per Docket 12-116, write-off of Replacement Power Costs.  
(\*\*) The IPP costs represent the forecasted market value of IPP generation.  
(\*\*\*) The 2012 Actual ES under recovery includes the (9,299) NH RPS 2012 adjustment that was included on Line 19 in the May 2, 2013 filing.  
It also includes an adjustment for 2012 Return on ES deferral of (90) related to the NH RPS 2012 adjustment.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE**  
**2013 ENERGY SERVICE RATE CALCULATION**  
(Dollars in 000s)

	January 2013 Actual	February 2013 Actual	March 2013 Actual	April 2013 Actual	May 2013 Actual	June 2013 Actual	Reference
<b>Energy Service Cost</b>							
Fossil energy costs	\$ 16,851	\$ 18,744	\$ 13,974	\$ 1,629	\$ 1,886	\$ 4,064	EHC-4, P3
Fossil RPC adjustment (*)	-	-	-	(2)	-	-	
F/H O&M, depreciation & taxes	8,719	7,921	8,053	10,458	9,005	8,030	EHC-4, P5
Return on rate base	3,339	3,304	3,167	3,195	3,215	3,383	EHC-4, P6
ISO-NE ancillary	194	(526)	(832)	292	(7)	(108)	EHC-4, P3
Capacity	276	156	153	10	(237)	(309)	EHC-4, P3
NH RPS	1,521	1,521	1,521	-	-	1,720	EHC-4, P3
Vermont Yankee	(1)	3	(1)	3	(1)	(1)	
RGGI costs	149	144	137	103	101	108	EHC-4, P3
RGGI Auction Refunds	-	-	-	-	(2,294)	6	
IPP costs (**)	2,837	3,873	2,122	1,988	1,287	1,725	EHC-4, P3
Wood IPPs (**)	3,824	3,438	3,027	2,266	2,163	877	EHC-4, P3
Berlin Station	-	-	-	-	-	-	EHC-4, P3
Purchases and sales (inc. Congestion and Loss Adj.)	(5,771)	(13,255)	(2,754)	6,286	5,570	4,028	EHC-4, P3
Return on ES Deferral	10	4	(3)	(2)	(1)	(4)	
2012 Actual ES under-recovery (***)	7,833	-	-	-	-	-	
<b>Total Energy Service Cost</b>	<b>\$ 39,780</b>	<b>\$ 25,328</b>	<b>\$ 28,565</b>	<b>\$ 26,227</b>	<b>\$ 20,687</b>	<b>\$ 23,518</b>	
<b>Total Energy Service Revenue at 8.56 ¢/kwh</b>	<b>\$ 33,027</b>	<b>\$ 31,817</b>	<b>\$ 30,232</b>	<b>\$ 23,106</b>	<b>\$ 23,036</b>	<b>\$ 24,980</b>	
<b>ES Under/(Over) Recovery</b>	<b>6,753</b>	<b>(6,489)</b>	<b>(1,667)</b>	<b>3,121</b>	<b>(2,349)</b>	<b>(1,462)</b>	
<b>Forecasted Retail MWH Sales</b>	<b>417,688</b>	<b>339,872</b>	<b>353,140</b>	<b>269,910</b>	<b>269,045</b>	<b>291,798</b>	
<b>Energy Service Cost - cents per kwh</b>	<b>9.52</b>	<b>7.45</b>	<b>8.09</b>	<b>9.72</b>	<b>7.69</b>	<b>8.06</b>	

(\*) Per Docket 12-116, write-off of Replacement Power Costs.

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

(\*\*\*) The 2012 Actual ES under recovery includes the (9,299) NH RPS 2012 adjustment that was included on Line 19 in the May 2, 2013 filing. It also includes an adjustment for 2012 Return on ES deferral of (90) related to the NH RPS 2012 adjustment.

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2013 ENERGY SERVICE RATE CALCULATION  
(Dollars in 000s)

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37

**Energy Service Cost**

	July 2013 Actual	August 2013 Actual	September 2013 Estimate	October 2013 Estimate	November 2013 Estimate	December 2013 Estimate	Total	Reference
Fossil energy costs	\$ 12,137	\$ 3,096	\$ 324	\$ 356	\$ 345	\$ 15,263	\$ 88,669	EHC-4, P3
Fossil RPC adjustment (*)	-	-	-	-	-	-	(2)	
F/H O&M, depreciation & taxes	9,008	8,813	7,896	10,450	7,985	7,853	104,191	EHC-4, P5
Return on rate base	3,499	3,511	3,367	3,210	3,223	3,210	39,621	EHC-4, P6
ISO-NE ancillary	(188)	(1,140)	377	218	221	(77)	(1,576)	EHC-4, P3
Capacity	(350)	(303)	(224)	(282)	(282)	(429)	(1,821)	EHC-4, P3
NH RPS	-	1,457	710	697	702	766	10,616	EHC-4, P3
Vermont Yankee	7	4	-	-	-	-	14	
RGGI costs	127	104	-	-	-	475	1,448	EHC-4, P3
RGGI Auction Refunds	-	(2,545)	(1,929)	-	-	(2,564)	(9,326)	
IPP costs (**)	2,169	1,056	1,097	1,472	1,878	3,048	24,551	EHC-4, P3
Wood IPPs (**)	1,193	834	558	388	448	755	19,772	EHC-4, P3
Berlin Station	-	-	-	-	1,206	3,050	4,257	EHC-4, P3
Purchases and sales (inc. Congestion and Loss Adj.)	1,997	7,382	8,920	7,958	7,789	(7,667)	20,483	EHC-4, P3
Return on ES Deferral	(5)	(7)	(10)	(10)	(8)	(9)	(44)	
2012 Actual ES under recovery	-	-	-	-	-	-	7,833	
<b>Total Energy Service Cost</b>	<b>\$ 29,593</b>	<b>\$ 22,261</b>	<b>\$ 21,086</b>	<b>\$ 24,457</b>	<b>\$ 23,508</b>	<b>\$ 23,674</b>	<b>\$ 308,685</b>	
<b>Total Energy Service Revenue at 7.64 ¢/kwh</b>	<b>\$ 29,864</b>	<b>\$ 23,791</b>	<b>\$ 23,197</b>	<b>\$ 22,761</b>	<b>\$ 22,937</b>	<b>\$ 25,033</b>	<b>313,780</b>	
<b>ES Under/(Over) Recovery</b>	<b>(271)</b>	<b>(1,530)</b>	<b>(2,110)</b>	<b>1,697</b>	<b>571</b>	<b>(1,358)</b>	<b>(5,094)</b>	
<b>Forecasted Retail MWH Sales</b>	<b>379,640</b>	<b>321,963</b>	<b>303,622</b>	<b>297,914</b>	<b>300,219</b>	<b>327,652</b>	<b>3,872,462</b>	
<b>Energy Service Cost - cents per kwh</b>	<b>7.80</b>	<b>6.91</b>	<b>6.94</b>	<b>8.21</b>	<b>7.83</b>	<b>7.23</b>	<b>7.97</b>	

(\*) Per Docket 12-116, write-off of Replacement Power Costs.  
(\*\*) The IPP costs represent the forecasted market value of IPP generation.

Amounts shown above may not add due to rounding.

PUBLIC SERVICE RATE COMPANY OF NEW HAMPSHIRE  
 2013 ENERGY SERVICE RATE CALCULATION

PSNH Generation (GWh) and Expense (\$000)  
 IPP's Priced at Market Rate

		Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Total
1														
2	Hydro:													
3	Energy	32.150	29.409	36.561	44.628	35.845	40.889	41.943	22.136	15.899	24.245	32.160	31.993	387.858
4	Coal:													
5	Energy	311.200	317.760	253.291	10.925	16.153	66.350	174.689	31.331	0.000	0.000	0.000	317.664	1,499.362
6	Energy Expense	\$ 14,755	15,640	12,558	1,410	1,342	3,529	8,857	1,573	0	0	0	14,907	74,571
7	Wood:													
8	Energy	29.658	27.438	29.802	12.071	28.454	30.346	30.306	30.829	26.056	28.633	27.710	28.633	329.938
9	Energy Expense	\$ 1,710	1,616	1,762	831	1,553	1,353	1,644	1,714	1,485	1,632	1,580	1,632	18,513
10	Revenue Credit	\$ (1,251)	(1,178)	(1,256)	(671)	(1,499)	(1,274)	(1,272)	(1,290)	(1,161)	(1,276)	(1,235)	(1,276)	(14,639)
11	IC/Jets													
12	Energy	0.067	(0.076)	(0.000)	0.033	0.104	0.109	0.521	0.125	0.000	0.000	0.000	0.000	0.883
13	Energy Expense	\$ 37	3	8	24	37	46	187	41	0	0	0	0	382
14	Newington:													
15	Energy	18.438	21.345	3.652	(0.518)	1.242	1.940	18.374	7.809	0.000	0.000	0.000	0.000	72.284
16	Energy Expense	\$ 1,600	2,663	902	36	453	410	2,721	1,057	0	0	0	0	9,842
17	IPP's:													
18	Energy	32.462	31.823	40.739	44.477	30.604	44.131	40.262	30.906	31.051	40.497	44.149	45.273	456.373
19	Energy Expense	\$ 2,698	3,735	1,984	1,851	1,149	1,630	2,074	961	1,009	1,339	1,746	2,916	23,090
20	ICAP	\$ 139	139	138	138	138	95	95	95	88	132	132	132	1,461
21	Wood IPPs:													
22	Energy	55.336	49.825	57.415	54.081	57.592	22.558	21.867	23.549	17.172	11.718	11.340	11.718	394.173
23	Energy Expense	\$ 3,824	3,438	3,027	2,266	2,163	877	1,193	834	558	388	448	755	19,772
24	ICAP	\$ 0	0	0	0	0	0	0	0	0	0	0	0	0
25	Berlin Station													
26	Energy	0	0	0	0	0	0	0	0	0	0	17.690	42.185	59.875
27	Energy Expense	\$ 0	0	0	0	0	0	0	0	0	0	1,206	2,877	4,083
28	ICAP	\$ 0	0	0	0	0	0	0	0	0	0	0	173	173
29	Known Purchases													
30	Energy	16.529	6.931	28.258	111.585	106.075	66.749	47.078	89.844	124.216	105.379	101.555	7.125	811.326
31	Expense	\$ 967	724	1,523	5,410	4,776	2,768	2,236	3,508	5,645	4,808	4,631	413	37,410
32	ICAP	\$ 0	0	0	0	0	0	0	0	0	0	0	24	24
33	Peak and Offpeak Purchase:													
34	Energy	57.399	12.429	48.157	142.526	117.620	128.374	112.592	173.369	107.098	104.465	82.996	0.078	1,087.103
35	Expense	\$ 4,638	1,853	3,057	6,056	4,561	4,844	5,787	6,364	3,457	3,295	3,272	5	47,189
36	Energy Sales													
37	Energy	(125.531)	(142.627)	(143.407)	(115.115)	(94.644)	(80.064)	(79.941)	(64.340)	(0.533)	(0.013)	(0.238)	(138.309)	(984.762)
38	(Credit)	\$ (11,377)	(15,832)	(7,334)	(5,180)	(3,767)	(3,584)	(6,026)	(2,490)	(13)	(0)	(8)	(8,660)	(64,271)
39	Congestion and Loss Adjustment													
40		\$ 0	0	0	0	0	0	0	0	(169)	(145)	(105)	550	130
41	Total Energy GWH	427.708	354.258	354.469	304.693	299.045	321.382	407.691	345.559	320.959	314.925	317.362	346.361	4114.411
42	Total Energy Expense	\$ 17,740	12,800	16,370	12,170	10,906	10,693	17,496	12,368	10,899	10,174	11,667	14,449	157,732
43														
44														
45	ISO-NE Ancillary	\$ 194	(526)	(832)	292	(7)	(108)	(188)	(1,140)	377	218	221	(77)	(1,576)
46	NH RPS	\$ 1,521	1,521	1,521	0	0	1,720	0	1,457	710	697	702	766	10,616
47	RGGI Costs	\$ 149	144	137	103	101	108	127	104	0	0	0	475	1,448
48														
49	Capacity (sold)/bought MW-mo	78	65	35	(19)	(59)	(56)	(57)	(68)	(76)	(95)	(95)	(146)	(493)
50	Capacity (sold)/bought Cost (\$000)	\$ 276	156	153	10	(237)	(309)	(350)	(303)	(224)	(282)	(282)	(429)	(1,821)

Amounts shown above may not add due to rounding.