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**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE**  
**2012 ENERGY SERVICE RATE CALCULATION**  
(Dollars in 000's)

<b>Summary of Forecasted Energy Service</b>				
<b>Cost For January 2012 Through December 2012</b>	<b>TOTAL COST</b>	<b>Cents per KWH</b>	<b>Reference</b>	
Fossil energy costs	\$ 94,637	\$ 1.86	Attachment RAB-2, page 2	
F/H O&M, depreciation & taxes	122,562	2.41	Attachment RAB-2, page 2	
Return on rate base	40,552	0.80	Attachment RAB-2, page 2	
ISO-NE ancillary	3,805	0.07	Attachment RAB-2, page 2	
Capacity	10,552	0.21	Attachment RAB-2, page 2	
NH RPS	15,164	0.30	Attachment RAB-2, page 2	
RGGI costs	2,655	0.05	Attachment RAB-2, page 2	
Vermont Yankee	2,103	0.04	Attachment RAB-2, page 2	
IPP costs (1)	22,799	0.45	Attachment RAB-2, page 2	
Purchases and sales	85,864	1.69	Attachment RAB-2, page 2	
Return on ES Deferral	(7)	(0.00)	Attachment RAB-2, page 2	
<b>Total Forecasted Energy Service Cost</b>	<b>\$ 400,687</b>	<b>\$ 7.87</b>		
2011 ES Over/Under Recovery	2,155	0.04	Attachment RAB-3, page 1	
<b>Net Forecasted Energy Service Cost</b>	<b>\$ 402,843</b>			
Forecasted Retail MWH Sales	5,093,934	7.90		
<b>Forecasted Energy Service Rate - cents Per KWH (line 29 / Line 31)</b>	<b>\$ 7.90</b>			

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

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**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE**  
**2012 ENERGY SERVICE RATE CALCULATION**  
(Dollars in 000's)

	January 2012 Estimate	February 2012 Estimate	March 2012 Estimate	April 2012 Estimate	May 2012 Estimate	June 2012 Estimate	Reference
<b>Energy Service Cost</b>							
Fossil energy costs	\$ 16,975	\$ 14,604	\$ 8,472	\$ 138	\$ 647	\$ 1,059	RAB-2, P3
F/H O&M, depreciation & taxes	10,173	8,991	9,594	12,051	9,756	10,184	RAB-2, P5
Return on rate base	3,489	3,466	3,419	3,381	3,357	3,360	RAB-2, P6
ISO-NE ancillary (inc. Congestion and Loss Adj.)	666	563	331	125	99	102	RAB-2, P3
Capacity	953	953	953	1,017	1,017	836	RAB-2, P3
NH RPS	1,389	1,256	1,254	1,148	1,155	1,242	RAB-2, P3
RGGI costs	459	419	226	-	-	7	RAB-2, P3
Vermont Yankee	716	671	716	-	-	-	RAB-2, P3
IPP costs (1)	2,810	2,400	2,118	1,772	1,588	1,415	RAB-2, P4
Purchases and sales	77	698	5,849	12,598	12,095	14,110	RAB-2, P3
Return on ES Deferral	2	2	2	3	4	2	
<b>Total Energy Service Cost</b>	<b>\$ 37,708</b>	<b>\$ 34,022</b>	<b>\$ 32,933</b>	<b>\$ 32,233</b>	<b>\$ 29,720</b>	<b>\$ 32,317</b>	
Forecasted Retail MWH Sales	466,483	421,889	421,234	385,576	388,084	417,308	
Energy Service Cost - cents per kwh	8.08	8.06	7.82	8.36	7.66	7.74	

(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  
2012 ENERGY SERVICE RATE CALCULATION  
(Dollars in 000's)

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	July 2012 Estimate	August 2012 Estimate	September 2012 Estimate	October 2012 Estimate	November 2012 Estimate	December 2012 Estimate	Total	Reference
<b>Energy Service Cost</b>								
Fossil energy costs	\$ 10,023	\$ 14,900	\$ 589	\$ 647	\$ 10,989	\$ 15,594	\$ 94,637	RAB-2, P3
F/H O&M, depreciation & taxes	10,458	10,390	11,510	10,898	9,297	9,259	122,562	RAB-2, P5
Return on rate base	3,358	3,348	3,344	3,341	3,343	3,346	40,552	RAB-2, P6
ISO-NE ancillary (inc. Congestion and Loss Adj.)	435	431	82	90	339	542	3,805	RAB-2, P3
Capacity	836	836	836	771	773	773	10,552	RAB-2, P3
NH RPS	1,429	1,382	1,203	1,182	1,195	1,328	15,164	RAB-2, P3
RGGI costs	400	400	-	-	307	439	2,655	RAB-2, P3
Vermont Yankee	-	-	-	-	-	-	2,103	RAB-2, P3
IPP costs (1)	1,716	1,691	1,352	1,695	1,865	2,378	22,799	RAB-2, P4
Purchases and sales	4,232	3,534	14,463	13,783	3,336	1,089	85,864	RAB-2, P3
Return on ES Deferral	(2)	(6)	(5)	(3)	(3)	(3)	(7)	
<b>Total Energy Service Cost</b>	<b>\$ 32,885</b>	<b>\$ 36,905</b>	<b>\$ 33,375</b>	<b>\$ 32,405</b>	<b>\$ 31,440</b>	<b>\$ 34,745</b>	<b>\$ 400,687</b>	
Forecasted Retail MWH Sales	480,185	464,249	404,219	397,201	401,322	446,182	5,093,934	
Energy Service Cost - cents per kwh	6.85	7.95	8.26	8.16	7.83	7.79	7.87	

(1) 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  
2012 ENERGY SERVICE RATE CALCULATION**

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

		Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total	
1															
2	Hydro:	Energy	31.468	26.462	35.094	39.74	37.08	27.954	21.994	19.476	15.922	23.576	32.825	31.697	343.288
3															
4	Coal:	Energy	341.851	321.213	189.606	0.000	0.000	0.000	287.103	286.630	0.000	0.000	251.098	336.348	2,013.848
5		Energy Expense	\$ 14,178	13,325	7,824	-	-	-	7,053	12,000	-	-	10,363	13,939	78,682
6															
7	Wood:	Energy	28.633	26.786	28.633	6.119	28.633	26.056	26.925	26.925	26.056	28.633	27.710	28.633	309.741
8		Energy Expense	\$ 1,638	1,533	1,638	350	1,638	1,491	1,541	1,541	1,491	1,638	1,586	1,638	17,723
9		Revenue Credit	\$ (991)	(927)	(991)	(212)	(991)	(902)	(932)	(932)	(902)	(959)	(991)	(991)	(10,721)
10															
11	Nuclear:	Energy	15.349	14.379	15.334	0	0	0	0	0	0	0	0	0	45.062
12		Energy Expense	\$ 716	671	716	-	-	-	-	-	-	-	-	-	2,103
13															
14	Newington:	Energy	29.016	9.672	0.000	0.000	0.000	9.068	45.338	44.129	0.000	0.000	0.000	13.904	151.125
15		Energy Expense	\$ 2,150	674	-	-	-	470	2,362	2,290	-	-	-	1,008	8,953
16															
17	IPP's:	Energy	45.855	40.985	47.782	43.098	38.312	34.862	37.739	36.919	33.525	39.365	41.851	43.963	484.255
18		Energy Expense	\$ 2,634	2,224	1,942	1,596	1,412	1,325	1,626	1,601	1,262	1,555	1,726	2,239	21,142
19		ICAP	\$ 176	176	176	176	176	90	90	90	90	140	139	139	1,657
20															
21	Peak Purchase:	Energy	25.540	29.266	79.275	176.101	174.391	196.917	46.494	36.761	187.622	186.591	45.506	29.823	1,214.288
22		Expense	\$ 1,589	1,791	3,833	7,534	7,483	8,837	2,380	1,856	8,476	8,413	2,231	1,705	56,129
23															
24	Known Purchases	Energy	5.570	7.086	6.016	5.997	4.601	3.342	3.176	2.959	4.506	6.340	5.277	7.325	62.193
25		Expense	\$ 297	372	316	315	242	175	167	155	237	333	277	385	3,270
26															
27	Offpeak Purchase:	Energy	7.760	4.230	43.621	136.537	127.227	142.938	43.600	43.718	159.669	135.376	21.165	8.771	874.613
28		Expense	\$ 497	278	1,703	4,749	4,371	5,097	1,856	1,808	5,751	5,037	869	508	32,525
29															
30	Surplus Energy Sales	Energy	(37.922)	(34.100)	(0.073)	0.000	0.000	0.000	(4.765)	(6.759)	0.000	0.000	(1.193)	(28.803)	(113.616)
31		(Credit)	\$ (2,307)	(1,743)	(2)	0	0	0	(171)	(285)	0	0	(41)	(1,509)	(6,059)
32															
33	Congestion and Loss Adjustment		\$ 441	362	109	(93)	(83)	(100)	198	203	(113)	(90)	157	335	1,327
34															
35	Total Energy GWH		493.120	445.979	445.287	407.592	410.244	441.136	507.604	490.758	427.300	419.881	424.238	471.659	5,384.797
36	Total Energy Expense		\$ 21,020	18,735	17,263	14,415	14,248	16,484	16,169	20,328	16,292	16,035	16,347	19,396	206,731
37															
38															
39	ISO-NE Ancillary		\$ 225	201	221	218	182	202	236	227	195	180	183	207	2,477
40	NH RPS		\$ 1,389	1,256	1,254	1,148	1,155	1,242	1,429	1,382	1,203	1,182	1,195	1,328	15,164
41	RGGI Costs		\$ 459	419	226	0	0	7	400	400	0	0	307	439	2,655
42															
43	Capacity (sold)/bought MW-mo		265	265	265	283	283	283	283	283	283	261	262	262	3,277
44	Capacity (sold)/bought Cost (\$000)		\$ 953	953	953	1,017	1,017	836	836	836	836	771	773	773	10,552

Amounts shown above may not add due to rounding.

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2012 ENERGY SERVICE RATE CALCULATION**

**1 Forecasted PSNH IPP Market Value - January - December 2012**

2		IPP Energy at						
3		IPP	Mkt Value	Capacity	ICAP Value	ICAP	Total	Total
4		GWh	(\$000)	MW	\$/kw-mo	(\$000)	(\$000)	\$/MWh
5	Month							
6	January	45.855	2,634	48.8	3.60	176	2,810	61.28
7	February	40.985	2,224	48.8	3.60	176	2,400	58.55
8	March	47.782	1,942	48.8	3.60	176	2,118	44.32
9	April	43.098	1,596	48.8	3.60	176	1,772	41.12
10	May	38.312	1,412	48.8	3.60	176	1,588	41.45
11	June	34.862	1,325	30.5	2.95	90	1,415	40.59
12	July	37.739	1,626	30.5	2.95	90	1,716	45.46
13	August	36.919	1,601	30.5	2.95	90	1,691	45.80
14	September	33.525	1,262	30.5	2.95	90	1,352	40.33
15	October	39.365	1,555	47.6	2.95	140	1,695	43.06
16	November	41.851	1,726	47.1	2.95	139	1,865	44.57
17	December	43.963	2,239	47.1	2.95	139	2,378	54.08
18	Total	484.255	21,142			1,657	22,799	47.08

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2012 ENERGY SERVICE RATE CALCULATION  
Fossil / Hydro O&M, Depreciation & Taxes Detail  
(Dollars in 000's)

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	January 2012	February 2012	March 2012	April 2012	May 2012	June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	Total
<b>Fossil / Hydro O&amp;M, Depr. &amp; Taxes</b>	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	
F/H Operation & Maintenance Cost	\$ 7,609	\$ 6,448	\$ 6,989	\$ 9,343	\$ 7,042	\$ 7,469	\$ 7,741	\$ 7,673	\$ 8,716	\$ 8,194	\$ 6,579	\$ 6,553	\$ 90,356
F/H Depreciation Cost	1,477	1,477	1,477	1,478	1,479	1,479	1,480	1,482	1,489	1,490	1,499	1,501	17,807
F/H Property Taxes	818	818	818	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	11,587
F/H Payroll Taxes	217	196	258	162	167	168	168	166	236	144	148	135	2,165
Amort. of Asset Retirement Obligation	52	52	52	53	53	53	54	54	54	55	55	55	647
<b>Total F/H O&amp;M, Depr. and Taxes</b>	\$ 10,173	\$ 8,991	\$ 9,594	\$ 12,051	\$ 9,756	\$ 10,184	\$ 10,458	\$ 10,390	\$ 11,510	\$ 10,898	\$ 9,297	\$ 9,259	\$ 122,562

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2012 ENERGY SERVICE RATE CALCULATION  
FOSSIL/HYDRO RETURN ON RATE BASE  
(Dollars in 000's)

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	January 2012	February 2012	March 2012	April 2012	May 2012	June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	Total
<b>Return on Rate Base</b>	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	
<b>Rate base</b>													
Net Plant	303,842	302,176	300,642	299,221	297,607	296,527	295,988	297,276	296,516	298,402	297,401	296,614	
Working Capital Allow. (45 days of O&M)	11,140	11,140	11,140	11,140	11,140	11,140	11,140	11,140	11,140	11,140	11,140	11,140	
Fossil Fuel Inventory	60,698	57,571	54,289	54,310	54,331	52,595	50,868	50,905	50,982	51,097	51,212	51,375	
Mat'ls and Supplies	54,826	54,957	55,278	55,654	56,202	57,203	57,443	57,739	58,488	58,751	59,588	61,751	
Prepayments	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	
Deferred Taxes	(29,707)	(29,666)	(29,228)	(30,874)	(31,277)	(35,427)	(35,623)	(36,006)	(35,994)	(36,793)	(36,715)	(35,571)	
Other Regulatory Obligations	(10,377)	(10,948)	(12,279)	(12,853)	(13,431)	(4,901)	(5,565)	(6,193)	(7,865)	(8,378)	(8,895)	(10,389)	
<b>Total Rate Base (L15 thru L22)</b>	<b>392,997</b>	<b>387,805</b>	<b>382,416</b>	<b>379,172</b>	<b>377,146</b>	<b>379,712</b>	<b>376,826</b>	<b>377,436</b>	<b>375,841</b>	<b>376,794</b>	<b>376,306</b>	<b>377,496</b>	
Average Rate Base ( prev + curr month)	392,997	390,401	385,110	380,794	378,159	378,429	378,269	377,131	376,638	376,317	376,550	376,901	
x Return	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	
<b>Return (L25 x L26)</b>	<b>\$ 3,489</b>	<b>\$ 3,466</b>	<b>\$ 3,419</b>	<b>\$ 3,381</b>	<b>\$ 3,357</b>	<b>\$ 3,360</b>	<b>\$ 3,358</b>	<b>\$ 3,348</b>	<b>\$ 3,344</b>	<b>\$ 3,341</b>	<b>\$ 3,343</b>	<b>\$ 3,346</b>	<b>\$ 40,552</b>

Amounts shown above may not add due to rounding.

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**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE**  
**2011 ENERGY SERVICE RATE CALCULATION**  
(Dollars in 000s)

10 **Summary of Forecasted and Actual Energy Service**

11 <b>Cost For January 2011 Through December 2011</b>	TOTAL COST	Cents per KWH	Reference
12			
13 Fossil energy costs	\$ 117,637	2.30	Attachment RAB-4, page 2
14 F/H O&M, depreciation & taxes	136,472	2.67	Attachment RAB-4, page 2
15 Return on rate base	42,326	0.83	Attachment RAB-4, page 2
16 ISO-NE ancillary	1,220	0.02	Attachment RAB-4, page 2
17 Capacity	10,521	0.21	Attachment RAB-4, page 2
18 NH RPS	12,309	0.24	Attachment RAB-4, page 2
19 RGGI costs	5,729	0.11	Attachment RAB-4, page 2
20 Vermont Yankee	7,189	0.14	Attachment RAB-4, page 2
21 IPP costs (1)	25,824	0.51	Attachment RAB-4, page 2
22 Purchases and sales	85,343	1.67	Attachment RAB-4, page 2
23 Return on ES Deferral	225	0.00	Attachment RAB-4, page 2
24 Merrimack projected RPC insurance proceeds	(4,400)	(0.09)	Attachment RAB-4, page 2
25 2010 Actual ES underrecovery	10,366	0.20	Attachment RAB-4, page 2
26			
27 Total Updated Energy Service Cost	\$ 450,760	8.82	
28 Total Updated Revenue	448,605		
29 2011 ES (Over)/Under Recovery	2,155		

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

Amounts shown above may not add due to rounding.



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**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE**  
**2011 ENERGY SERVICE RATE CALCULATION**  
**(Dollars in 000s)**

	January 2011 Actual	February 2011 Actual	March 2011 Actual	April 2011 Actual	May 2011 Actual	June 2011 Actual	Reference
<b>Energy Service Cost</b>							
Fossil energy costs (1)	\$ 19,112	\$ 14,554	\$ 13,178	\$ 7,744	\$ 5,087	\$ 9,294	RAB-4, P3
F/H O&M, depreciation & taxes	9,386	8,886	10,811	14,989	13,338	10,049	RAB-4, P5
Return on rate base	3,627	3,627	3,468	3,564	3,564	3,599	RAB-4, P6
ISO-NE ancillary (inc. Congestion and Loss Adj.)	(561)	184	(798)	165	245	245	RAB-4, P3
Capacity	1,200	1,085	1,049	257	601	962	RAB-4, P3
NH RPS	873	864	869	869	869	901	RAB-4, P3
RGI costs	720	267	431	354	1,360	373	RAB-4, P3
Vermont Yankee	688	623	648	668	655	642	RAB-4, P3
IPP costs (2)	4,115	2,090	2,341	2,638	2,232	1,581	RAB-4, P4
Purchases and sales (3)	495	2,505	3,655	5,670	11,938	6,981	RAB-4, P3
Return on ES Deferral	22	18	13	15	24	27	
Merrimack projected RPC insurance proceeds	-	-	-	-	-	-	
2010 Actual ES underrecovery	10,366	-	-	-	-	-	
<b>Total Energy Service Cost</b>	<b>\$ 50,043</b>	<b>\$ 34,703</b>	<b>\$ 35,666</b>	<b>\$ 36,933</b>	<b>\$ 39,913</b>	<b>\$ 34,654</b>	
<b>Total Energy Service Revenue</b>	<b>43,283</b>	<b>37,414</b>	<b>38,054</b>	<b>32,084</b>	<b>32,551</b>	<b>36,407</b>	
<b>ES Under/(Over) Recovery</b>	<b>6,760</b>	<b>(2,711)</b>	<b>(2,388)</b>	<b>4,849</b>	<b>7,362</b>	<b>(1,753)</b>	
<b>Retail MWH Sales</b>	<b>499,353</b>	<b>431,507</b>	<b>438,899</b>	<b>370,023</b>	<b>375,429</b>	<b>419,953</b>	

(1) February includes a credit of \$1.4M for resale of 30,000 tons of coal.  
(2) The IPP costs represent the forecasted market value of IPP generation.  
(3) June includes credit of \$150.4 for Seabrook related activity.

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**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE**  
**2011 ENERGY SERVICE RATE CALCULATION**  
(Dollars in 000s)

	July 2011 Actual	August 2011 Actual	September 2011 Actual	October 2011 Actual	November 2011 Actual	December 2011 Estimate	Total	Reference
<b>Energy Service Cost</b>								
Fossil energy costs (1)	\$ 9,379	\$ 8,674	\$ 1,565	\$ 5,252	\$ 8,970	\$ 14,828	\$ 117,637	RAB-4, P3
F/H O&M, depreciation & taxes	10,506	9,633	9,777	13,613	14,444	11,041	136,472	RAB-4, P5
Return on rate base	3,553	3,553	3,549	3,380	3,389	3,451	42,326	RAB-4, P6
ISO-NE ancillary (inc. Congestion and Loss Adj.)	41	(88)	178	181	897	531	1,220	RAB-4, P3
Capacity	795	886	917	965	851	953	10,521	RAB-4, P3
NH RPS	1,048	901	2,081	1,032	1,032	970	12,309	RAB-4, P3
RGGI costs	441	339	228	389	471	356	5,729	RAB-4, P3
Vermont Yankee	643	639	555	149	586	693	7,189	RAB-4, P3
IPP costs (2)	1,597	1,061	1,804	2,077	1,983	2,305	25,824	RAB-4, P4
Purchases and sales (3)	9,147	11,937	13,333	11,010	7,472	1,200	85,343	RAB-4, P3
Return on ES Deferral	19	10	7	14	28	28	225	
Merrimack projected RPC insurance proceeds	-	-	-	-	-	(4,400)	(4,400)	
2010 Actual ES underrecovery	-	-	-	-	-	-	10,366	
<b>Total Energy Service Cost</b>	<b>\$ 37,169</b>	<b>\$ 37,545</b>	<b>\$ 33,993</b>	<b>\$ 38,062</b>	<b>\$ 40,123</b>	<b>\$ 31,956</b>	<b>\$ 450,760</b>	
<b>Total Energy Service Revenue</b>	<b>44,709</b>	<b>41,525</b>	<b>35,188</b>	<b>32,387</b>	<b>35,091</b>	<b>39,912</b>	<b>448,605</b>	
<b>ES Under/(Over) Recovery</b>	<b>(7,540)</b>	<b>(3,980)</b>	<b>(1,195)</b>	<b>5,675</b>	<b>5,032</b>	<b>(7,956)</b>	<b>2,155</b>	
<b>Retail MWH Sales</b>	<b>503,355</b>	<b>467,473</b>	<b>396,045</b>	<b>364,170</b>	<b>394,705</b>	<b>448,956</b>	<b>5,109,868</b>	

(1) July includes a credit of \$5.2M for resale of 120,000 tons of coal.

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

(3) September includes credit of \$86.6 for Seabrook related activity.

PUBLIC SERVICE RATE COMPANY OF NEW HAMPSHIRE  
2011 ENERGY SERVICE RATE CALCULATION

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

		Actual										Estimate	Total		
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11		Dec-11	
1															
2	Hydro:	Energy	31.741	24.119	40.788	42.160	43.359	28.186	13.543	20.186	25.868	32.744	29.266	31.697	363.657
3															
4	Coal:	Energy	331.457	326.273	280.045	185.219	76.663	209.390	264.146	155.851	54.428	45.128	153.546	344.472	2,426.618
5		Energy Expense	\$ 14,253	12,069	12,267	7,898	4,584	8,526	6,054	7,157	671	2,830	8,011	13,237	97,557
6															
7	Wood:	Energy	30.013	26.223	26.449	0.859	12.252	29.138	30.985	30.698	29.647	30.564	20.904	27.951	295.683
8		Energy Expense	\$ 1,546	1,294	1,350.0	49	390	1,358	1,380	1,398	1,380	1,482	1,013	1,599	14,239
9		Revenue Credit	\$ (749)	(694)	(698)	(327)	50	(737)	(763)	(759)	(744)	(757)	(617)	(957)	(7,752)
10															
11	Nuclear:	Energy	15.523	13.875	15.487	14.959	14.980	14.600	14.687	14.579	12.684	3.146	13.195	15.349	163.064
12		Energy Expense	\$ 688	623	648	668	655	642	643	639	555	149	586	693	7,189
13															
11	IC/Jets	Energy	0.174	0.033	(0.056)	0.080	0.042	(0.047)	0.200	0.041	(0.013)	(0.027)	(0.059)	0.000	0.368
12		Energy Expense	\$ 55	16	5	29	11	1	60	23	10	10	(1)	-	219
13															
14	Newington:	Energy	43.646	14.348	1.433	0.000	0.000	0.781	25.890	8.731	3.596	21.517	7.415	13.904	141.261
15		Energy Expense	\$ 4,007	1,869	254	95	52	146	2,648	855	248	1,687	564	949	13,374
16															
17	IPP's:	Energy	53.858	35.862	51.296	55.585	48.494	35.174	25.947	24.469	40.727	47.262	49.769	43.963	512.406
18		Energy Expense	\$ 3,853	1,885	2,136	2,432	2,026	1,487	1,502	961	1,700	1,907	1,813	2,129	23,831
19		ICAP	\$ 262	205	205	206	206	94	95	100	104	170	170	176	1,993
20															
21	Peak Purchase:	Energy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.288	5.288
22		Expense	\$ -	-	-	-	-	-	-	-	-	-	-	332	332
23															
24	Known Purchases	Energy	55.906	43.997	51.050	86.658	184.299	52.734	41.575	74.549	137.013	127.517	83.257	40.925	979.480
25		Expense	\$ 3,964	4,009	4,466	4,645	10,839	3,732	3,073	4,992	7,350	7,174	5,815	3,291	63,350
26															
27	Offpeak Purchase:	Energy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.514	5.514
28		Expense	\$ 0	0	0	0	0	0	0	0	0	0	0	308	308
29															
30	ISO-NE Net	Energy	(42.994)	(28.000)	(9.809)	25.133	31.859	76.918	220.376	165.238	155.346	95.894	68.925	(54.471)	704.415
31		(Credit)	\$ (3,469)	(1,504)	(811)	1,025	1,099	3,249	6,074	6,945	5,983	3,836	1,657	(2,731)	21,353
32															
33	Congestion and Loss Adjustment (1)		\$ 0	0	0	0	0	0	0	0	0	0	0	316	316
34															
35	Total Energy GWH		519.324	456.730	456.683	410.653	411.948	446.874	637.349	494.342	459.296	403.745	426.218	474.592	5,597.754
36	Total Energy Expense	\$	24,410	19,772	19,822	16,720	19,912	18,498	20,766	22,311	17,257	18,488	19,011	19,342	236,308
37															
38															
39	ISO-NE Ancillary	\$	(561)	184	(798)	165	245	245	41	(88)	178	181	897	215	904
40	NH RPS	\$	873	864	869	869	869	901	1,048	901	2,081	1,032	1,032	970	12,309
41	RGGI Costs	\$	720	267	431	354	1,360	373	441	339	228	389	471	356	5,729
42															
43	Capacity (sold)/bought MW		262	262	174	174	174	268	268	268	285	262	257	265	2,919
44	Capacity (sold)/bought Cost (\$000)	\$	1,200	1,085	1,049	257	601	962	795	886	917	965	851	953	10,521

Amounts shown above may not add due to rounding.

(1) Congestion and Loss Adjustment actuals are included in ISO-NE Ancillary.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2011 ENERGY SERVICE RATE CALCULATION

1 **Forecasted PSNH IPP Market Value - December 2011**

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Month	IPP GWh	IPP Energy at Mkt Value (\$000)	Capacity MW	ICAP Value \$/kw-mo	ICAP (\$000)	Total (\$000)	Total \$/MWh
December	43.963	2,129	48.8	3.60	176	2,305	52.44
Total	43.963	2,129			176	2,305	52.44

Amounts shown above may not add due to rounding.

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2011 ENERGY SERVICE RATE CALCULATION  
Fossil / Hydro O&M, Depreciation & Taxes Detail  
(Dollars in 000s)

	January 2011 Actual	February 2011 Actual	March 2011 Actual	April 2011 Actual	May 2011 Actual	June 2011 Actual	July 2011 Actual	August 2011 Actual	September 2011 Actual	October 2011 Actual	November 2011 Actual	December 2011 Estimate	Total
<b>Fossil / Hydro O&amp;M, Depr. &amp; Taxes</b>													
F/H Operation & Maintenance Cost	\$ 6,646	\$ 6,098	\$ 8,025	\$ 12,102	\$ 10,426	\$ 7,022	\$ 7,593	\$ 6,730	\$ 6,871	\$ 10,678	\$ 11,493	\$ 8,051	\$ 101,734
F/H Depreciation Cost	1,812	1,814	1,841	1,839	1,851	1,851	1,851	1,852	1,851	1,889	1,900	1,891	22,242
F/H Property Taxes	666	744	661	862	847	884	847	847	847	863	830	915	9,813
F/H Payroll Taxes	213	182	236	137	165	243	165	154	158	132	170	133	2,088
Amort. of Asset Retirement Obligation	48	48	48	49	49	49	50	50	50	51	51	51	594
<b>Total F/H O&amp;M, Depr. and Taxes</b>	<b>\$ 9,386</b>	<b>\$ 8,886</b>	<b>\$ 10,811</b>	<b>\$ 14,989</b>	<b>\$ 13,338</b>	<b>\$ 10,049</b>	<b>\$ 10,506</b>	<b>\$ 9,633</b>	<b>\$ 9,777</b>	<b>\$ 13,613</b>	<b>\$ 14,444</b>	<b>\$ 11,041</b>	<b>\$ 136,472</b>

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2011 ENERGY SERVICE RATE CALCULATION  
FOSSIL/HYDRO RETURN ON RATE BASE  
(Dollars in 000s)

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	January 2011	February 2011	March 2011	April 2011	May 2011	June 2011	July 2011	August 2011	September 2011	October 2011	November 2011	December 2011	Total
<u>Return on Rate Base</u>	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Estimate	
<u>Rate base</u>													
Net Plant	301,381	301,381	310,157	310,157	310,157	312,102	312,102	312,102	307,249	308,249	309,249	313,311	
Working Capital Allow. (45 days of O&M)	12,543	12,543	12,543	12,543	12,543	12,543	12,543	12,543	12,543	12,543	12,543	12,543	
Fossil Fuel Inventory	57,962	57,962	41,641	41,641	41,641	48,402	48,402	48,402	48,421	48,421	48,421	59,442	
Materials and Supplies	51,799	51,799	53,325	53,325	53,325	49,058	49,058	49,058	49,575	49,575	49,575	54,589	
Prepayments	2,563	2,563	2,235	2,235	2,235	1,893	1,893	1,893	1,034	1,034	1,034	2,575	
Deferred Taxes	(25,536)	(25,536)	(26,090)	(26,090)	(26,090)	(34,619)	(34,619)	(34,619)	(25,054)	(25,054)	(25,054)	(35,401)	
Other Regulatory Obligations	(12,303)	(12,303)	(15,050)	(15,050)	(15,050)	(8,223)	(8,223)	(8,223)	(13,524)	(13,524)	(13,524)	(11,792)	
<u>Total Rate Base (L15 thru L22)</u>	<u>388,409</u>	<u>388,409</u>	<u>378,761</u>	<u>378,761</u>	<u>378,761</u>	<u>381,156</u>	<u>381,156</u>	<u>381,156</u>	<u>380,244</u>	<u>381,244</u>	<u>382,244</u>	<u>395,267</u>	
Average Rate Base ( prev + curr month)	388,342	388,409	383,585	378,761	378,761	379,958	381,156	381,156	380,700	380,744	381,744	388,755	
x Return	0.9339%	0.9339%	0.9339%	0.9411%	0.9411%	0.9411%	0.9322%	0.9322%	0.9322%	0.8878%	0.8878%	0.8878%	
<u>Return (L25 x L26) (1)</u>	<u>\$ 3,627</u>	<u>\$ 3,627</u>	<u>\$ 3,468</u>	<u>\$ 3,564</u>	<u>\$ 3,564</u>	<u>\$ 3,599</u>	<u>\$ 3,553</u>	<u>\$ 3,553</u>	<u>\$ 3,549</u>	<u>\$ 3,380</u>	<u>\$ 3,389</u>	<u>\$ 3,451</u>	<u>\$ 42,326</u>

(1) Line 27 includes quarterly true-up adjustments.

Amounts shown above may not add due to rounding.

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**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2012 ENERGY SERVICE RATE CALCULATION  
MERRIMACK SCRUBBER IMPACT  
(Dollars in 000's)**

11 Summary of Forecasted Energy Service	Merrimack Scrubber	Reference
12 Cost For January 2012 Through December 2012	Total cost	
13		
14 Merrimack Scrubber O&M, Fuel and Avoided SO2 cost	\$ 6,671	Attachment RAB-5, page 2
15 Merrimack Scrubber Depreciation Expense	13,761	Attachment RAB-5, page 2
16 Merrimack Scrubber Property Tax Expense	267	Attachment RAB-5, page 2
17 Merrimack Scrubber Return on Rate Base	34,801	Attachment RAB-5, page 3
18		
19 Total Forecasted Merrimack Scrubber Cost	\$ 55,500	
20		
21 Amortization of 2011 Merrimack Scrubber Under Recovery	4,367	Line 44 below
22		
23 Net Forecasted Merrimack Scrubber Cost	\$ 59,867	
24		
25 Forecasted Retail MWH Sales	5,093,934	
26		
27		
28 Forecasted Energy Service Merrimack Scrubber Rate Impact		
29 cents Per KWH (line 23 / Line 25)	1.18	
30		
31 Energy Service Rate as filed on 12/14/11 without MK Scrubber	7.90	
32		
33 Total Forecasted Energy Service Rate (line 29 + Line 31)	9.08	
34		
35		
36 Proposed three year recovery and amortization of the		
37 2011 Merrimack Scrubber Underrecovery		
38		
39 2011 Merrimack Scrubber Under Recovery	\$ 13,101	Attachment RAB-6, page 1
40		
41 Amortized over 3 years 2012 - 2014	3	
42		
43 2012 Amortization of Merrimack Scrubber		
44 under recovery from 2011 (Line 39 / Line 41)	\$ 4,367	

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 2012 ENERGY SERVICE RATE CALCULATION  
 MERRIMACK SCRUBBER O&M, DEPRECIATION AND PROPERTY TAXES  
 (Dollars in 000's)

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	January 2012	February 2012	March 2012	April 2012	May 2012	June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	Total
	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	
<b>Merrimack Scrubber O&amp;M, Depr. &amp; Taxes</b>													
Merrimack Scrubber Operation & Maintenance Cost	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 340	\$ 340	\$ 4,100
Merrimack Scrubber Fuel related Cost	928	844	512	-	-	-	749	742	-	-	709	877	5,361
Merrimack Scrubber Avoided SO2 Cost	(461)	(432)	(252)	-	-	-	(407)	(402)	-	-	(378)	(458)	(2,790)
Merrimack Scrubber Depreciation Cost	1,070	1,070	1,070	1,099	1,099	1,099	1,203	1,203	1,203	1,215	1,215	1,215	13,761
Merrimack Scrubber Property Taxes (1)	17	17	17	24	24	24	24	24	24	24	24	24	267
<b>Total Merrimack Scrubber O&amp;M, Fuel, SO2, Depr. and Taxes</b>	<b>\$ 1,896</b>	<b>\$ 1,841</b>	<b>\$ 1,689</b>	<b>\$ 1,465</b>	<b>\$ 1,465</b>	<b>\$ 1,465</b>	<b>\$ 1,911</b>	<b>\$ 1,909</b>	<b>\$ 1,569</b>	<b>\$ 1,581</b>	<b>\$ 1,910</b>	<b>\$ 1,998</b>	<b>\$ 20,699</b>

(1) Merrimack Scrubber related property tax impact represents the projection of the non-exempt portion of the project

Amounts shown above may not add due to rounding.



PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2012 ENERGY SERVICE RATE CALCULATION  
MERRIMACK SCRUBBER RETURN ON RATE BASE  
(Dollars in 000's)

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	January 2012	February 2012	March 2012	April 2012	May 2012	June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	Total
<b>Merrimack Scrubber</b>													
<b>Return on Rate Base</b>	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	
<b>Rate base</b>													
Net Plant	\$ 349,288	\$ 348,218	\$ 356,348	\$ 355,249	\$ 354,150	\$ 385,351	\$ 384,148	\$ 382,945	\$ 383,742	\$ 382,527	\$ 381,312	\$ 383,097	
Working Capital Allow. (45 days of O&M)	505	505	505	505	505	505	505	505	505	505	505	505	
Deferred Taxes	(22,499)	(27,622)	(32,129)	(35,044)	(39,544)	(45,117)	(49,632)	(55,874)	(56,029)	(54,224)	(57,333)	(61,906)	
Total Rate Base (L15 thru L18)	327,294	321,101	324,724	320,710	315,111	340,739	335,021	327,576	328,218	328,808	324,484	321,696	
Average Rate Base ( prev + curr month)	328,944	324,198	322,913	322,717	317,911	327,925	337,880	331,299	327,897	328,513	326,646	323,090	
x Return	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	0.8878%	
Merrimack Scrubber Return (L21 x L22)	\$ 2,920	\$ 2,878	\$ 2,867	\$ 2,865	\$ 2,822	\$ 2,911	\$ 3,000	\$ 2,941	\$ 2,911	\$ 2,917	\$ 2,900	\$ 2,868	\$ 34,801

Amounts shown above may not add due to rounding.

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**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE**  
**2011 ENERGY SERVICE RATE CALCULATION**  
**MERRIMACK SCRUBBER IMPACT**  
(Dollars in 000s)

11 <b>Summary of Forecasted and Actual Energy Service</b> 12 <b>Cost For January 2011 Through December 2011</b>	<b>Merrimack Scrubber</b> <b>Total cost</b>	<b>Reference</b>
13		
14 Merrimack Scrubber O&M, Fuel and Avoided SO2 cost	\$ 1,369	Attachment RAB-6, page 2
15 Merrimack Scrubber Depreciation Expense	3,100	Attachment RAB-6, page 2
16 Merrimack scrubber Property Tax Expense	51	Attachment RAB-6, page 2
17 Merrimack Scrubber Return on Rate Base	<u>8,581</u>	Attachment RAB-6, page 3
18		
19 2011 Merrimack Scrubber Under recovery	<u>\$ 13,101</u>	

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 2011 ENERGY SERVICE RATE CALCULATION  
 MERRIMACK SCRUBBER O&M, DEPRECIATION AND TAXES  
 (Dollars in 000s)

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	January 2011 Actual	February 2011 Actual	March 2011 Actual	April 2011 Actual	May 2011 Actual	June 2011 Actual	July 2011 Actual	August 2011 Actual	September 2011 Actual (1)	October 2011 Estimate	November 2011 Estimate	December 2011 Estimate	Total
<b>Merrimack Scrubber O&amp;M, Depr. &amp; Taxes</b>													
Merrimack Scrubber Operation & Maintenance Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150	\$ 150	\$ 300	\$ 600
Merrimack Scrubber Fuel Related Cost	-	-	-	-	-	-	-	-	-	230	400	864	1,494
Merrimack Scrubber Avoided SO2 cost	-	-	-	-	-	-	-	-	-	(140)	(140)	(445)	(725)
Merrimack Scrubber Depreciation Cost	-	-	-	-	-	-	-	-	100	1,000	1,000	1,000	3,100
Merrimack Scrubber Property Taxes (2)	-	-	-	-	-	-	-	-	-	17	17	17	51
<b>Total Merrimack Scrubber O&amp;M, Fuel, SO2, Depr. and Taxes</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100	\$ 1,257	\$ 1,427	\$ 1,736	\$ 4,520

23 (1) Reflect September 28, 29, & 30, 2011.  
 24 (2) Merrimack Scrubber related property tax impact represents the projection of the non-exempt portion of the project.

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
2011 ENERGY SERVICE RATE CALCULATION  
MERRIMACK SCRUBBER RETURN ON RATE BASE  
(Dollars in 000s)

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	January 2011	February 2011	March 2011	April 2011	May 2011	June 2011	July 2011	August 2011	September 2011	October 2011	November 2011	December 2011	Total
<b>Merrimack Scrubber</b>													
<b>Return on Rate Base</b>	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Estimate (1)	Estimate	Estimate	Estimate	
<b>Rate base</b>													
Net Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 324,516	\$ 323,516	\$ 322,516	\$ 350,352	
Working Capital Allow. (45 days of O&M)	-	-	-	-	-	-	-	-	74	74	74	74	
Deferred Taxes	-	-	-	-	-	-	-	-	(15,843)	(15,843)	(15,843)	(19,833)	
Total Rate Base (L15 thru L18)	-	-	-	-	-	-	-	-	308,747	307,747	306,747	330,593	
Average Rate Base ( prev + curr month)	-	-	-	-	-	-	-	-	308,747	308,247	307,247	318,670	
x Return	0.9339%	0.9339%	0.9339%	0.9411%	0.9411%	0.9411%	0.9322%	0.9322%	0.9322%	0.8878%	0.8878%	0.8878%	
Merrimack Scrubber Return (L21 x L22)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 288	\$ 2,737	\$ 2,728	\$ 2,829	\$ 8,581

(1) The Merrimack Scrubber was declared in service effective on September 28, 2011, therefore, the September return was prorated to represent 3/30 for the month or 10% of the monthly return.

Amounts shown above may not add due to rounding.