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

10 **Summary of Forecasted Energy Service**

11	Cost For January 2013 Through December 2013	TOTAL COST	Cents per KWH	Reference
12				
13	Fossil energy costs	\$ 53,572	\$ 1.15	Attachment RAB-2, page 2
14	F/H O&M, depreciation & taxes	116,796	2.50	Attachment RAB-2, page 2
15	Return on rate base	41,551	0.89	Attachment RAB-2, page 2
16	ISO-NE ancillary	4,164	0.09	Attachment RAB-2, page 2
17	Capacity	5,400	0.12	Attachment RAB-2, page 2
18	NH RPS	20,474	0.44	Attachment RAB-2, page 2
19	RGGI costs	876	0.02	Attachment RAB-2, page 2
20	IPP costs (1)	20,575	0.44	Attachment RAB-2, page 2
21	Wood IPPs (1)	15,378	0.33	Attachment RAB-2, page 2
22	Purchases and sales	87,292	1.87	Attachment RAB-2, page 2
23	Return on ES Deferral	2	0.00	Attachment RAB-2, page 2
24				
25	Total Forecasted Energy Service Cost	\$ 366,081	\$ 7.85	
26				
27	2012 ES Over/Under Recovery	6,753	0.14	Attachment RAB-3, page 1
28				
29	Net Forecasted Energy Service Cost	\$ 372,834		
30				
31	Forecasted Retail MWH Sales	4,665,186	7.99	
32				
33				
34	Forecasted Energy Service Rate -			
35	cents Per KWH (line 29 / Line 31)	7.99		
36				
37	Plus Scrubber ES Rate cents per kwh per DE 11-250	0.98		
38				
39	Total Energy Service Rate - cents per kwh	8.97		

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

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

	January 2013 Estimate	February 2013 Estimate	March 2013 Estimate	April 2013 Estimate	May 2013 Estimate	June 2013 Estimate	Reference
Energy Service Cost							
Fossil energy costs	\$ 13,718	\$ 12,557	\$ 195	\$ 330	\$ 344	\$ 858	RAB-2, P3
F/H O&M, depreciation & taxes	9,020	7,494	8,613	19,935	12,464	5,184	RAB-2, P5
Return on rate base	3,465	3,415	3,392	3,364	3,335	3,379	RAB-2, P6
ISO-NE ancillary	376	329	353	329	316	352	RAB-2, P3
Capacity	404	404	404	404	404	508	RAB-2, P3
NH RPS	1,859	1,635	1,705	1,557	1,573	1,696	RAB-2, P3
RGGI costs	234	221	2	-	-	6	RAB-2, P3
IPP costs (1)	2,611	2,098	1,959	1,659	1,430	1,238	RAB-2, P3
Wood IPPs (1)	2,891	2,622	2,051	1,812	1,749	695	RAB-2, P3
Purchases and sales (inc. Congestion and Loss Adj.)	(118)	(433)	10,401	7,714	7,450	10,241	RAB-2, P3
Return on ES Deferral	6	1	-	6	13	8	
Total Energy Service Cost	\$ 34,467	\$ 30,343	\$ 29,075	\$ 37,110	\$ 29,077	\$ 24,165	
Forecasted Retail MWH Sales	423,692	372,533	388,554	354,746	358,348	386,482	
Energy Service Cost - cents per kwh	8.13	8.14	7.48	10.46	8.11	6.25	

(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
2013 ENERGY SERVICE RATE CALCULATION
(Dollars in 000's)

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	July 2013 Estimate	August 2013 Estimate	September 2013 Estimate	October 2013 Estimate	November 2013 Estimate	December 2013 Estimate	Total	Reference
Energy Service Cost								
Fossil energy costs	\$ 5,467	\$ 8,289	\$ 313	\$ 344	\$ 333	\$ 10,822	\$ 53,572	RAB-2, P3
F/H O&M, depreciation & taxes	8,433	9,323	7,998	12,962	7,755	7,615	116,796	RAB-2, P5
Return on rate base	3,436	3,472	3,509	3,541	3,595	3,648	41,551	RAB-2, P6
ISO-NE ancillary	403	389	339	315	316	347	4,164	RAB-2, P3
Capacity	508	508	508	449	449	449	5,400	RAB-2, P3
NH RPS	1,942	1,877	1,637	1,609	1,618	1,765	20,474	RAB-2, P3
RGGI costs	79	129	-	-	-	206	876	RAB-2, P3
IPP costs (1)	1,403	1,386	1,235	1,306	2,052	2,197	20,575	RAB-2, P4
Wood IPP costs (1)	828	830	566	335	481	516	15,378	RAB-2, P3
Purchases and sales (inc. Congestion and Loss Adj.)	10,239	6,988	10,803	8,638	12,305	3,064	87,292	RAB-2, P3
Return on ES Deferral	1	(2)	(5)	(8)	(8)	(10)	2	
Total Energy Service Cost	\$ 32,740	\$ 33,190	\$ 26,904	\$ 29,492	\$ 28,898	\$ 30,620	\$ 366,081	
Forecasted Retail MWH Sales	442,577	427,723	373,049	366,711	368,710	402,061	4,665,186	
Energy Service Cost - cents per kwh	7.40	7.76	7.21	8.04	7.84	7.62	7.85	

(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
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	31.661	26.362	35.472	39.938	37.420	27.979	21.771	19.511	16.272	23.923	32.760	31.817	344.886
4	Coal:													
5	Energy	276.517	265.238	1.805	0.000	0.000	1.186	79.253	133.977	0.000	0.000	0.000	249.585	1,007.560
6	Energy Expense	\$ 12,362	11,862	106	-	-	72	3,816	6,140	-	-	-	10,478	44,837
7	Wood:													
8	Energy	28.633	25.862	7.389	27.440	28.633	26.056	26.925	26.925	26.056	28.633	27.710	28.633	308.895
9	Energy Expense	\$ 1,632	1,474	421	1,564	1,632	1,485	1,535	1,535	1,485	1,632	1,580	1,632	17,611
10	Revenue Credit	\$ (1,288)	(1,163)	(332)	(1,234)	(1,288)	(1,172)	(1,211)	(1,211)	(1,172)	(1,288)	(1,246)	(1,288)	(13,894)
11	Newington:													
12	Energy	13.299	4.836	0.000	0.000	0.000	9.068	25.389	35.061	0.000	0.000	0.000	0.000	87.653
13	Energy Expense	\$ 1,011	384	-	-	-	472	1,327	1,825	-	-	-	-	5,019
14	IPP's:													
15	Energy	47.308	37.354	49.119	44.966	40.870	34.791	34.537	33.992	34.726	40.975	45.193	46.818	490.650
16	Energy Expense	\$ 2,476	1,963	1,824	1,524	1,294	1,149	1,314	1,296	1,146	1,172	1,918	2,063	19,139
17	ICAP	\$ 135	135	135	135	135	90	90	90	90	134	134	134	1,436
18	Wood IPPs:													
19	Energy	55.242	49.896	55.242	53.46	55.242	21.06	21.762	21.762	17.172	11.718	11.34	11.718	385.614
20	Energy Expense	\$ 2,891	2,622	2,051	1,812	1,749	695	828	830	566	335	481	516	15,378
21	Peak Purchase:													
22	Energy	16.165	9.066	142.624	127.654	128.962	160.007	146.769	96.661	171.189	161.797	143.473	30.169	1,334.536
23	Expense	\$ 938	546	6,183	5,095	4,866	6,364	6,504	4,093	6,755	5,387	7,158	1,628	55,517
24	Known Purchases													
25	Energy	5.815	6.572	5.793	6.093	4.252	3.412	2.997	2.846	4.121	6.170	5.457	7.113	60.643
26	Expense	\$ 305	345	304	320	223	179	157	149	216	324	286	373	3,184
27	Offpeak Purchase:													
28	Energy	4.545	2.103	113.296	75.450	83.431	124.992	110.920	86.295	124.814	114.434	123.831	23.791	987.904
29	Expense	\$ 270	127	3,951	2,323	2,396	3,766	3,704	2,928	3,911	3,006	4,901	1,070	32,353
30	Surplus Energy Sales													
31	Energy (Credit)	\$ (31.301)	(33.484)	0.000	0.000	0.000	0.000	(2.475)	(4.884)	0.000	0.000	0.000	(4.628)	(76.772)
32		\$ (1,921)	(1,721)	0	0	0	0	(111)	(218)	0	0	0	(167)	(4,138)
33	Congestion and Loss Adjustment	\$ 291	270	(38)	(24)	(36)	(69)	(15)	35	(79)	(78)	(41)	159	376
34														
35	Total Energy GWH	447.885	393.805	410.741	375.002	378.809	408.550	467.848	452.146	394.350	387.651	389.764	425.018	4,931.568
36	Total Energy Expense	\$ 19,102	16,844	14,606	11,515	10,973	13,033	17,937	17,493	12,918	10,624	15,172	16,600	176,817
37														
38														
39	ISO-NE Ancillary	\$ 376	329	353	329	316	352	403	389	339	315	316	347	4,164
40	NH RPS	\$ 1,859	1,635	1,705	1,557	1,573	1,696	1,942	1,877	1,637	1,609	1,618	1,765	20,474
41	RGGI Costs	\$ 234	221	2	0	0	6	79	129	0	0	0	206	876
42														
43	Capacity (sold)/bought MW-mo	137	137	137	137	137	172	172	172	172	152	152	152	1,830
44	Capacity (sold)/bought Cost (\$000)	\$ 404	404	404	404	404	508	508	508	508	449	449	449	5,400

Amounts shown above may not add due to rounding.

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

1 Forecasted PSNH IPP Market Value - January - December 2013

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4	IPP Energy at						
5 Month	IPP GWh	Mkt Value (\$000)	Capacity MW	ICAP Value \$/kw-mo	ICAP (\$000)	Total (\$000)	Total \$/MWh
6 January	47.308	2,476	45.8	2.95	135	2,611	55.19
7 February	37.354	1,963	45.8	2.95	135	2,098	56.17
8 March	49.119	1,824	45.8	2.95	135	1,959	39.88
9 April	44.966	1,524	45.8	2.95	135	1,659	36.89
10 May	40.870	1,294	45.8	2.95	135	1,430	34.98
11 June	34.791	1,149	30.3	2.95	90	1,238	35.60
12 July	34.537	1,314	30.3	2.95	90	1,403	40.63
13 August	33.992	1,296	30.3	2.95	90	1,386	40.77
14 September	34.726	1,146	30.3	2.95	90	1,235	35.57
15 October	40.975	1,172	45.4	2.95	134	1,306	31.87
16 November	45.193	1,918	45.4	2.95	134	2,052	45.42
17 December	46.818	2,063	45.4	2.95	134	2,197	46.93
18 Total	490.650	19,139			1,436	20,575	41.93

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
2013 ENERGY SERVICE RATE CALCULATION
Fossil / Hydro O&M, Depreciation & Taxes Detail
(Dollars in 000's)

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	January 2013	February 2013	March 2013	April 2013	May 2013	June 2013	July 2013	August 2013	September 2013	October 2013	November 2013	December 2013	Total
Fossil / Hydro O&M, Depr. & Taxes	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	
F/H Operation & Maintenance Cost	\$ 6,256	\$ 4,749	\$ 5,898	\$ 17,087	\$ 9,532	\$ 2,497	\$ 5,589	\$ 6,486	\$ 5,149	\$ 10,027	\$ 4,898	\$ 4,767	\$ 82,935
F/H Depreciation Cost	1,548	1,551	1,551	1,552	1,554	1,555	1,557	1,560	1,573	1,574	1,591	1,594	18,759
F/H Property Taxes	912	912	912	1,025	1,025	1,025	1,026	1,026	1,026	1,026	1,026	1,026	11,966
F/H Payroll and Other Taxes	248	226	195	213	294	49	202	193	190	275	180	168	2,433
Amort. of Asset Retirement Obligation	57	57	57	58	58	58	59	59	59	60	60	60	703
Total F/H O&M, Depr. and Taxes	\$ 9,020	\$ 7,494	\$ 8,613	\$ 19,935	\$ 12,464	\$ 5,184	\$ 8,433	\$ 9,323	\$ 7,998	\$ 12,962	\$ 7,755	\$ 7,615	\$ 116,796

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
2013 ENERGY SERVICE RATE CALCULATION
FOSSIL/HYDRO RETURN ON RATE BASE
(Dollars in 000's)

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	January 2013 Estimate	February 2013 Estimate	March 2013 Estimate	April 2013 Estimate	May 2013 Estimate	June 2013 Estimate	July 2013 Estimate	August 2013 Estimate	September 2013 Estimate	October 2013 Estimate	November 2013 Estimate	December 2013 Estimate	Total
Return on Rate Base													
Rate base													
Net Plant	302,485	301,342	300,451	299,777	298,731	298,712	299,728	304,249	304,840	310,515	310,646	311,186	
Working Capital Allow. (45 days of O&M)	10,225	10,225	10,225	10,225	10,225	10,225	10,225	10,225	10,225	10,225	10,225	10,225	10,225
Fossil Fuel Inventory	56,340	54,940	53,239	53,239	53,239	53,239	51,537	51,537	51,537	51,537	54,940	57,740	
Mat'ls and Supplies	57,185	57,291	57,551	57,855	58,299	59,110	59,304	59,543	60,150	60,363	61,040	62,791	
Prepayments	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	
Deferred Taxes	(36,176)	(35,974)	(33,870)	(36,881)	(36,935)	(40,131)	(36,971)	(34,022)	(30,248)	(29,808)	(26,576)	(23,498)	
Other Regulatory Obligations	(18,808)	(19,848)	(21,170)	(22,307)	(23,462)	(9,823)	(11,210)	(12,524)	(15,824)	(16,839)	(17,864)	(20,758)	
Total Rate Base (L15 thru L22)	372,945	369,671	368,120	363,600	361,791	373,025	374,307	380,702	382,373	387,687	394,105	399,380	
Average Rate Base (prev + curr month)	376,824	371,308	368,895	365,860	362,695	367,408	373,666	377,505	381,538	385,030	390,896	396,743	
x Return	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	
Return (L25 x L26)	\$ 3,465	\$ 3,415	\$ 3,392	\$ 3,364	\$ 3,335	\$ 3,379	\$ 3,436	\$ 3,472	\$ 3,509	\$ 3,541	\$ 3,595	\$ 3,648	\$ 41,551

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
2013 ENERGY SERVICE RATE CALCULATION
DETAIL OF WOOD IPP PURCHASES
(000s)

	Actual January 2013	Actual February 2013	Actual March 2013	Actual April 2013	Estimate May 2013	Estimate June 2013	Estimate July 2013	Estimate August 2013	Estimate September 2013	Estimate October 2013	Estimate November 2013	Estimate December 2013	Total 2013
1 Detail of Wood IPP Purchases													
2 Generation - MWH													
3 Alexandria	10,044	9,072	10,044	9,720	10,044	0	0	0	0	0	0	0	48,924
4 Bethlehem	10,044	9,072	10,044	9,720	10,044	0	0	0	0	0	0	0	48,924
5 Bridgewater	10,044	9,072	10,044	9,720	10,044	9,720	10,044	10,044	5,832	0	0	0	84,564
6 Springfield	11,718	10,584	11,718	11,340	11,718	11,340	11,718	11,718	11,340	11,718	11,340	11,718	137,970
7 Tamworth	13,392	12,096	13,392	12,960	13,392	0	0	0	0	0	0	0	65,232
8	55,242	49,896	55,242	53,460	55,242	21,060	21,762	21,762	17,172	11,718	11,340	11,718	385,614
9 Contract Price Incl. Fuel Price Adj.													
10 Alexandria	\$ 734	\$ 663	\$ 734	\$ 710	\$ 734	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,574
11 Bethlehem	706	637	706	683	706	0	0	0	0	0	0	0	3,437
12 Bridgewater	742	670	742	718	742	718	742	742	431	0	0	0	6,246
13 Springfield	854	772	854	827	854	827	854	854	854	854	827	854	10,057
14 Tamworth	941	850	941	911	941	0	0	0	0	0	0	0	4,583
15	\$ 3,976	\$ 3,592	\$ 3,976	\$ 3,848	\$ 3,976	\$ 1,545	\$ 1,596	\$ 1,596	\$ 1,257	\$ 854	\$ 827	\$ 854	27,898
16 Contract Nodal Market Value													
17 Alexandria	\$ 526	\$ 477	\$ 373	\$ 329	\$ 318	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,023
18 Bethlehem	526	477	373	329	318	0	0	0	0	0	0	0	2,023
19 Bridgewater	526	477	373	329	318	321	382	383	192	0	0	0	3,301
20 Springfield	613	556	435	384	371	374	446	447	374	335	481	516	5,334
21 Tamworth	701	636	497	439	424	0	0	0	0	0	0	0	2,697
22	\$ 2,891	\$ 2,622	\$ 2,051	\$ 1,812	\$ 1,749	\$ 695	\$ 828	\$ 830	\$ 566	\$ 335	\$ 481	\$ 516	15,378
23 Fuel Price Adjustment													
24 Alexandria	\$ 41	\$ 37	\$ 41	\$ 39	\$ 41	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	198
25 Bethlehem	13	11	13	12	13	-	-	-	-	-	-	-	62
26 Bridgewater	49	44	49	47	49	47	49	49	28	-	-	-	411
27 Springfield	46	41	46	44	46	44	46	46	44	46	44	46	537
28 Tamworth	17	15	17	16	17	-	-	-	-	-	-	-	82
29	\$ 165	\$ 149	\$ 165	\$ 159	\$ 165	\$ 91	\$ 94	\$ 94	\$ 73	\$ 46	\$ 44	\$ 46	1,290
30 Over-Market													
31 Alexandria	\$ 208	\$ 186	\$ 361	\$ 381	\$ 416	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,551
32 Bethlehem	180	161	333	354	388	-	-	-	-	-	-	-	1,415
33 Bridgewater	216	193	369	389	424	397	360	359	238	-	-	-	2,945
34 Springfield	241	215	419	442	483	452	408	407	453	519	345	338	4,723
35 Tamworth	240	214	444	471	517	-	-	-	-	-	-	-	1,886
	\$ 1,085	\$ 970	\$ 1,925	\$ 2,037	\$ 2,227	\$ 849	\$ 768	\$ 766	\$ 691	\$ 519	\$ 345	\$ 338	12,521

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

**Summary of Actual and Forecasted Energy Service
Cost For January 2012 Through December 2012**

	TOTAL COST	Cents per KWH	Reference
Fossil energy costs	\$ 53,685	1.14	Attachment RAB-4, page 2
F/H O&M, depreciation & taxes	114,770	2.43	Attachment RAB-4, page 2
Return on rate base	41,868	0.89	Attachment RAB-4, page 2
ISO-NE ancillary	2,049	0.04	Attachment RAB-4, page 2
Capacity	6,792	0.14	Attachment RAB-4, page 2
NH RPS	19,220	0.41	Attachment RAB-4, page 2
RGGI costs	1,325	0.03	Attachment RAB-4, page 2
Vermont Yankee	1,726	0.04	Attachment RAB-4, page 2
IPP costs (1)	16,166	0.34	Attachment RAB-4, page 2
Wood IPPs (1)	19,705	0.42	Attachment RAB-4, page 2
Purchases and sales	64,290	1.36	Attachment RAB-4, page 2
Return on ES Deferral	(231)	0.00	Attachment RAB-4, page 2
2011 Actual ES under-recovery	204	0.00	Attachment RAB-4, page 2
Total Updated Energy Service Cost	\$ 341,570	7.23	
Total Updated Revenue	334,817		
2012 ES (Over)/Under Recovery	6,753		

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

Amounts may not add due to rounding.

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

	January 2012 Actual	February 2012 Actual	March 2012 Actual	April 2012 Actual	May 2012 Actual	June 2012 Actual	Reference
Energy Service Cost							
Fossil energy costs	\$ 14,138	\$ 6,303	\$ 3,671	\$ (3,396)	\$ (4,685)	\$ 4,872	RAB-4, P3
F/H O&M, depreciation & taxes	9,837	8,958	9,984	10,124	8,909	8,296	RAB-4, P5
Return on rate base	3,649	3,648	3,572	3,478	3,478	3,417	RAB-4, P6
ISO-NE ancillary	248	(674)	299	207	244	336	RAB-4, P3
Capacity	736	709	683	719	743	653	RAB-4, P3
NH RPS	1,517	1,517	1,853	1,629	1,319	2,989	RAB-4, P3
RGGI costs	180	145	124	101	99	108	RAB-4, P3
Vermont Yankee	674	629	444	(1)	(3)	(8)	RAB-4, P3
IPP costs (1)	1,623	1,070	1,159	931	1,310	1,442	RAB-4, P3
Wood IPPs (1)	543	1,213	1,100	989	1,299	1,894	RAB-4, P3
Purchases and sales (inc. Congestion and Loss Adj.)	2,329	3,999	4,448	6,426	5,908	2,773	RAB-4, P3
Return on ES Deferral	(2)	(9)	(17)	(25)	(37)	(45)	
2011 Actual ES under-recovery	204	-	-	-	-	-	
Total Energy Service Cost	\$ 35,677	\$ 27,508	\$ 27,321	\$ 21,183	\$ 18,584	\$ 26,727	
Total Energy Service Revenue at 8.31 ¢/kwh for Jan - Apr 15; 7.77 ¢/kwh for Apr 16 - June 30 & 6.13 ¢/kwh for Jul 1 - Dec	\$ 38,486	\$ 32,906	\$ 32,005	\$ 26,733	\$ 27,494	\$ 28,873	
ES Under/(Over) Recovery	\$ (2,809)	\$ (5,398)	\$ (4,684)	\$ (5,550)	\$ (8,911)	\$ (2,147)	
Forecasted Retail MWH Sales	463,101	395,978	385,598	332,495	353,851	371,597	
Energy Service Cost - cents per kwh	7.70	6.95	7.09	6.37	5.25	7.19	

(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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Energy Service Cost

	July 2012 Actual	August 2012 Actual	September 2012 Estimate	October 2012 Estimate	November 2012 Estimate	December 2012 Estimate	Total	Reference
Fossil energy costs	\$ 12,979	\$ 6,164	\$ 428	\$ 219	\$ 212	\$ 12,781	\$ 53,685	RAB-4, P3
F/H O&M, depreciation & taxes	9,511	9,138	11,272	10,660	9,059	9,022	114,770	RAB-4, P5
Return on rate base	3,361	3,361	3,426	3,490	3,491	3,497	41,868	RAB-4, P6
ISO-NE ancillary	402	226	191	184	184	202	2,049	RAB-4, P3
Capacity	368	503	468	402	404	404	6,792	RAB-4, P3
NH RPS	1,513	1,191	1,409	1,385	1,387	1,511	19,220	RAB-4, P3
RGGI costs	164	131	3	-	-	270	1,325	RAB-4, P3
Vermont Yankee	(6)	(3)	-	-	-	-	1,726	RAB-4, P3
IPP costs (1)	1,043	1,090	1,184	1,441	1,645	2,228	16,166	RAB-4, P3
Wood IPPs (1)	2,396	2,402	1,716	1,808	1,843	2,502	19,705	RAB-4, P3
Purchases and sales (inc. Congestion and Loss Adj.)	5,480	8,407	9,048	8,403	8,461	(1,392)	64,290	RAB-4, P3
Return on ES Deferral	(40)	(29)	(20)	(10)	(3)	6	(231)	
2011 Actual ES under-recovery	-	-	-	-	-	-	204	
Total Energy Service Cost	\$ 37,171	\$ 32,581	\$ 29,125	\$ 27,981	\$ 26,683	\$ 31,031	\$ 341,570	
Total Energy Service Revenue at 8.31 ¢/kwh for Jan - Apr 15; 7.77 ¢/kwh for Apr 16 - June 30 & 6.13 ¢/kwh for Jul 1 - Dec	\$ 28,463	\$ 27,382	\$ 22,889	\$ 22,504	\$ 22,529	\$ 24,552	334,817	
ES Under/(Over) Recovery	8,708	5,199	6,236	5,477	4,154	6,479	6,753	
Forecasted Retail MWH Sales	464,326	446,688	373,393	367,114	367,527	400,529	4,722,197	
Energy Service Cost - cents per kwh	8.01	7.29	7.80	7.62	7.26	7.75	7.23	

(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	36.924	25.001	37.914	25.245	42.958	36.822	13.565	15.788	16.272	23.923	32.760	31.817	338.989
3															
4	Coal:	Energy	292.118	172.233	89.887	8.136	0.114	51.939	205.923	105.187	0.000	0.000	0.000	297.633	1,223.170
5		Energy Expense	\$ 12,297	5,767	3,588	(185)	369	3,585	9,758	5,154	-	-	-	12,187	52,520
6															
7	Wood:	Energy	30.492	28.584	22.693	17.363	31.541	4.812	21.488	31.736	26.056	28.633	27.710	28.633	299.741
8		Energy Expense	\$ 1,507	1,397	1,106	996	1,443	1,456	968	1,431	1,451	1,595	1,544	1,595	16,489
9		Revenue Credit	\$ (1,101)	(1,051)	(895)	(753)	(1,665)	(1,092)	(863)	(1,134)	(1,252)	(1,376)	(1,332)	(1,376)	(13,891)
10															
11	Nuclear:	Energy	14.732	13.668	9.610	0	0	0	0	0	0	0	0	0	38.010
12		Energy Expense	\$ 674	629	444	(1)	(3)	(8)	(6)	(3)	-	-	-	-	1,726
13															
14	IC/Jets	Energy	(0.051)	0.075	(0.007)	0.001	(0.021)	(0.039)	0.033	0.106	0	0	0	0	0.097
15		Energy Expense	6	30	8	7	5	3	18	32	-	-	-	-	109
16															
17	Newington:	Energy	12.141	(2.537)	1.104	(0.975)	(0.885)	8.113	42.186	5.831	4.836	0.000	0.000	4.836	74.650
18		Energy Expense	\$ 1,429	160	(136)	50	110	920	3,098	681	229	-	-	375	6,916
19		Oil Sale	-	-	-	(3,511)	(4,947)	-	-	-	-	-	-	-	(8,458)
20															
21	IPP's:	Energy	38.901	31.579	40.437	29.418	42.560	41.332	22.657	25.043	34.239	39.825	43.814	46.213	436.018
22		Energy Expense	\$ 1,450	897	986	758	1,137	1,352	953	1,000	1,099	1,304	1,510	2,093	14,539
23		ICAP	\$ 173	173	173	173	173	90	90	90	85	137	135	135	1,627
24															
25	Wood IPPs:	Energy	17.073	41.227	44.747	39.500	47.407	57.104	57.137	56.185	53.460	55.242	53.460	55.242	577.784
26		Energy Expense	\$ 543	1,213	1,100	989	1,299	1,894	2,396	2,402	1,716	1,808	1,843	2,502	19,705
27															
28	Peak Purchase:	Energy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	66.803	84.112	79.940	3.056	233.911
29		Expense	\$ -	-	-	-	-	-	-	-	2,596	3,267	3,244	201	9,308
30															
31	Known Purchases	Energy	10.478	22.584	64.123	124.692	103.602	125.634	33.119	148.332	106.521	74.170	70.249	7.113	890.618
32		Expense	\$ 565	1,862	1,853	3,676	3,031	1,116	1,619	5,691	3,948	2,815	2,709	373	29,258
33															
34	Offpeak Purchase:	Energy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	86.820	82.171	80.580	2.254	251.825
35		Expense	\$ 0	0	0	0	0	0	0	0	2,603	2,385	2,561	122	7,671
36															
37	ISO-NE, Net	Energy	26.127	88.922	105.968	119.371	112.477	79.011	89.392	70.649	(0.294)	0.000	0.000	(53.399)	638.224
38		Net Expense	\$ 1,764	2,137	2,595	2,750	2,877	1,657	3,861	2,716	(13)	0	0	(2,338)	18,006
39															
40	Congestion and Loss Adjustment		\$ 0	0	0	0	0	0	0	0	(86)	(64)	(53)	250	47
41															
42	Total Energy GWH		478.935	421.336	416.476	362.751	379.753	404.728	485.500	458.857	394.714	388.076	388.513	423.399	5,003.037
43	Total Energy Expense		\$ 19,307	13,214	10,822	4,950	3,828	10,973	21,892	18,060	12,376	11,870	12,161	16,119	155,573
44															
45															
46	ISO-NE Ancillary		\$ 248	(674)	299	207	244	336	402	226	191	184	184	202	2,049
47	NH RPS		\$ 1,517	1,517	1,853	1,629	1,319	2,989	1,513	1,191	1,409	1,385	1,387	1,511	19,220
48	RGGI Costs		\$ 180	145	124	101	99	108	164	131	3	0	0	270	1,325
49															
50	Capacity (sold)/bought MW		229	217	210	216	196	200	186	164	159	136	137	137	2,187
51	Capacity (sold)/bought Cost (\$000)		\$ 736	709	683	719	743	653	368	503	468	402	404	404	6,792

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 - September - December 2012**

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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
7 September	34.239	1,099	28.8	2.95	85	1,184	34.59
8 October	39.825	1,304	46.3	2.95	137	1,440	36.16
9 November	43.814	1,510	45.8	2.95	135	1,646	37.56
10 December	46.213	2,093	45.8	2.95	135	2,229	48.22
11 Total	164.091	6,006			492	6,499	39.60

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 Actual	February 2012 Actual	March 2012 Actual	April 2012 Actual	May 2012 Actual	June 2012 Actual	July 2012 Actual	August 2012 Actual	September 2012 Estimate	October 2012 Estimate	November 2012 Estimate	December 2012 Estimate	Total
Fossil / Hydro O&M, Depr. & Taxes													
F/H Operation & Maintenance Cost	\$ 7,216	\$ 6,318	\$ 7,425	\$ 7,620	\$ 6,098	\$ 5,706	\$ 6,698	\$ 6,395	\$ 8,502	\$ 7,980	\$ 6,365	\$ 6,339	\$ 82,662
F/H Depreciation Cost	1,509	1,500	1,500	1,461	1,514	1,523	1,530	1,530	1,489	1,490	1,499	1,501	18,046
F/H Property Taxes	847	847	847	836	1,007	976	976	976	991	991	991	991	11,276
F/H Payroll and Other Taxes	227	255	174	168	251	52	268	198	236	144	148	135	2,256
Amort. of Asset Retirement Obligation	38	38	38	39	39	39	39	39	54	55	55	55	530
Total F/H O&M, Depr. and Taxes	\$ 9,837	\$ 8,958	\$ 9,984	\$ 10,124	\$ 8,909	\$ 8,296	\$ 9,511	\$ 9,138	\$ 11,272	\$ 10,660	\$ 9,059	\$ 9,022	\$ 114,770

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 Actual	February 2012 Actual	March 2012 Actual	April 2012 Actual	May 2012 Actual	June 2012 Actual	July 2012 Actual	August 2012 Actual	September 2012 Estimate	October 2012 Estimate	November 2012 Estimate	December 2012 Estimate	Total
Return on Rate Base													
Rate base													
Net Plant	304,879	304,879	303,395	303,395	303,395	301,303	301,303	301,303	301,769	301,769	301,769	301,769	
Working Capital Allow. (45 days of O&M)	10,191	10,191	10,191	10,191	10,191	10,191	10,191	10,191	10,191	10,191	10,191	10,191	
Fossil Fuel Inventory	67,674	67,674	57,505	57,505	57,505	50,015	50,015	50,015	50,982	51,097	51,212	51,375	
Mat'ls and Supplies	53,406	53,406	54,547	54,547	54,547	50,349	50,349	50,349	58,488	58,751	59,588	61,751	
Prepayments	2,590	2,590	2,243	2,243	2,243	1,884	1,884	1,884	2,575	2,575	2,575	2,575	
Deferred Taxes	(28,324)	(28,324)	(27,213)	(27,213)	(27,213)	(35,671)	(35,671)	(35,671)	(36,571)	(36,571)	(36,571)	(36,571)	
Other Regulatory Obligations	(15,391)	(15,391)	(22,055)	(22,055)	(22,055)	(12,624)	(12,624)	(12,624)	(7,865)	(8,378)	(8,895)	(10,389)	
Total Rate Base (L15 thru L22)	395,025	395,025	378,613	378,613	378,613	365,447	365,447	365,447	379,569	379,434	379,869	380,702	
Average Rate Base (prev + curr month)	395,146	395,025	386,819	378,613	378,613	372,030	365,447	365,447	372,508	379,501	379,652	380,286	
x Return	0.9235%	0.9235%	0.9235%	0.9186%	0.9186%	0.9186%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	0.9196%	
Return (L25 x L26)	\$ 3,649	\$ 3,648	\$ 3,572	\$ 3,478	\$ 3,478	\$ 3,417	\$ 3,361	\$ 3,361	\$ 3,426	\$ 3,490	\$ 3,491	\$ 3,497	\$ 41,868

Amounts shown above may not add due to rounding.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
2012 ENERGY SERVICE RATE CALCULATION
DETAIL OF WOOD IPP PURCHASES
(000s)

	Actual January 2012	Actual February 2012	Actual March 2012	Actual April 2012	Actual May 2012	Actual June 2012	Actual July 2012	Actual August 2012	Estimate September 2012	Estimate October 2012	Estimate November 2012	Estimate December 2012	Total 2012
1 Detail of Wood IPP Purchases													
2 Generation - MWH													
3 Alexandria	3,180	7,485	8,069	10,259	10,268	10,128	9,638	9,433	9,720	10,044	9,720	10,044	107,988
4 Bethlehem	4,455	10,718	11,384	11,174	11,517	11,165	11,501	11,493	9,720	10,044	9,720	10,044	122,937
5 Bridgewater	4,015	9,874	11,248	9,413	10,948	10,557	11,009	10,755	9,720	10,044	9,720	10,044	117,346
6 Springfield	0	0	0	0	0	11,721	11,152	9,974	11,340	11,718	11,340	11,718	78,963
7 Tamworth	5,422	13,150	14,047	8,654	14,673	13,533	13,837	14,530	12,960	13,392	12,960	13,392	150,550
8	17,073	41,227	44,748	39,500	47,407	57,103	57,137	56,185	53,460	55,242	53,460	55,242	577,783
9 Contract Price Incl. Fuel Price Adj.													
10 Alexandria	\$ 219	\$ 516	\$ 633	\$ 689	\$ 708	\$ 792	\$ 664	\$ 651	\$ 710	\$ 734	\$ 710	\$ 734	7,761
11 Bethlehem	307	740	990	771	795	950	794	793	683	706	683	706	8,917
12 Bridgewater	277	681	868	649	755	842	789	742	718	742	718	742	8,524
13 Springfield	0	0	0	0	0	809	759	688	827	854	827	854	5,617
14 Tamworth	374	907	1,009	597	1,012	978	955	1,003	911	941	911	941	10,539
15	\$ 1,178	\$ 2,845	\$ 3,500	\$ 2,707	\$ 3,271	\$ 4,371	\$ 3,961	\$ 3,877	\$ 3,848	\$ 3,976	\$ 3,848	\$ 3,976	41,358
16 Contract Nodal Market Value													
17 Alexandria	\$ 102	\$ 222	\$ 205	\$ 261	\$ 286	\$ 337	\$ 412	\$ 406	\$ 312	\$ 329	\$ 335	\$ 455	3,662
18 Bethlehem	140	312	273	274	310	365	473	488	312	329	335	455	4,065
19 Bridgewater	129	295	280	243	304	353	462	464	312	329	335	455	3,961
20 Springfield	0	0	0	0	0	396	472	431	364	384	391	531	2,968
21 Tamworth	171	386	342	211	399	442	578	613	416	438	447	607	5,049
22	\$ 543	\$ 1,214	\$ 1,100	\$ 988	\$ 1,299	\$ 1,894	\$ 2,396	\$ 2,402	\$ 1,716	\$ 1,808	\$ 1,843	\$ 2,502	19,706
23 Fuel Price Adjustment													
24 Alexandria	\$ -	\$ -	\$ 76	\$ (19)	\$ -	\$ 93	\$ (0)	\$ -	\$ 39	\$ 41	\$ 39	\$ 41	310
25 Bethlehem	-	-	204	-	-	180	-	-	12	13	12	13	434
26 Bridgewater	-	-	92	-	-	113	143	-	47	49	47	49	540
27 Springfield	-	-	-	-	-	-	(113)	-	44	46	44	46	66
28 Tamworth	-	-	40	-	-	44	(11)	-	16	17	16	17	140
29	\$ -	\$ -	\$ 413	\$ (19)	\$ -	\$ 430	\$ 18	\$ -	\$ 159	\$ 165	\$ 159	\$ 165	1,490
30 Over-Market													
31 Alexandria	\$ 117	\$ 295	\$ 428	\$ 428	\$ 423	\$ 455	\$ 252	\$ 245	\$ 398	\$ 405	\$ 375	\$ 279	4,099
32 Bethlehem	167	428	717	497	485	585	321	305	371	377	348	251	4,851
33 Bridgewater	148	387	588	406	451	488	328	278	406	413	383	287	4,563
34 Springfield	-	-	-	-	-	413	287	257	463	471	436	323	2,649
35 Tamworth	203	522	667	386	613	536	377	390	494	503	464	334	5,489
	\$ 635	\$ 1,631	\$ 2,400	\$ 1,719	\$ 1,972	\$ 2,477	\$ 1,564	\$ 1,475	\$ 2,132	\$ 2,168	\$ 2,005	\$ 1,474	21,653