

11 Summary of Forecasted Energy Service	Merrimack Scrubber	
12 Cost For January 2012 Through December 2012	Total cost	Reference
13		
14 Merrimack Scrubber O&M, Fuel and Avoided SO2 cost	\$ 6,679	Attachment RAB-5, page 2
15 Merrimack Scrubber Depredation 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	<u>36,539</u>	Attachment RAB-5, page 3
18		
19 Total Forecasted Merrimack Scrubber Cost	\$ 57,246	
20		
21 Amortization of 2011 Merrimack Scrubber Under Recovery	<u>4,520</u>	Line 44 below
22		
23 Net Forecasted Merrimack Scrubber Cost	\$ 61,767	
24		
25 Forecasted Retail MWH Sales	<u>5,230,952</u>	
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 9/23/11 without MK Scrubber	<u>8.39</u>	
32		
33 Total Forecasted Energy Service Rate (line 29 + Line 31)	<u>9.57</u>	
34		
35		
36 Proposed three year recovery and amortization of the		
37 2011 Merrimack Scrubber Underrecovery		
38		
39 2011 Merrimack Scrubber Under Recovery	\$ 13,561	Attachment RAB-6, page 1
40		
41 Amortized over 3 years 2012 - 2014	<u>3</u>	
42		
43 2012 Amortization of Merrimack Scrubber		
44 under recovery from 2011 (Line 39 / Line 41)	<u>\$ 4,520</u>	

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 Estimate	February 2012 Estimate	March 2012 Estimate	April 2012 Estimate	May 2012 Estimate	June 2012 Estimate	July 2012 Estimate	August 2012 Estimate	September 2012 Estimate	October 2012 Estimate	November 2012 Estimate	December 2012 Estimate	Total
11 Merrimack Scrubber O&M, Depr. & Taxes													
13 Merrimack Scrubber Operation & Maintenance Cost	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 342	\$ 340	\$ 340	\$ 4,100
14 Merrimack Scrubber Fuel related Cost	658	656	656	656	656	658	658	658	659	659	659	659	7,900
15 Merrimack Scrubber Avoided SO2 Cost	(648)	(600)	(569)	(358)	-	(358)	(597)	(537)	-	(370)	(570)	(646)	(5,321)
16 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
17 Merrimack Scrubber Property Taxes (1)	17	17	17	24	24	24	24	24	24	24	24	24	267
19 Total Merrimack Scrubber O&M, Fuel, SO2, Depr. and Taxes	\$ 1,439	\$ 1,481	\$ 1,498	\$ 1,765	\$ 2,123	\$ 1,765	\$ 1,640	\$ 1,640	\$ 2,228	\$ 1,870	\$ 1,668	\$ 1,590	\$ 20,707

(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 Estimate	February 2012 Estimate	March 2012 Estimate	April 2012 Estimate	May 2012 Estimate	June 2012 Estimate	July 2012 Estimate	August 2012 Estimate	September 2012 Estimate	October 2012 Estimate	November 2012 Estimate	December 2012 Estimate	Total
Merrimack Scrubber													
Return on Rate Base													
Rate base													
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	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)	(61,905)	
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)	328,906	324,198	322,913	322,717	317,911	327,925	337,880	331,299	327,897	328,513	326,646	323,090	
x Return	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	
Merrimack Scrubber Return (L21 x L22)	\$ 3,066	\$ 3,022	\$ 3,010	\$ 3,008	\$ 2,963	\$ 3,057	\$ 3,150	\$ 3,088	\$ 3,056	\$ 3,062	\$ 3,045	\$ 3,012	\$ 36,539

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 Summary of Forecasted and Actual Energy Service	Merrimack Scrubber	Reference
12 Cost For January 2011 Through December 2011	Total cost	
13		
14 Merrimack Scrubber O&M, Fuel and Avoided SO2 cost	\$ 1,450	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	8,960	Attachment RAB-6, page 3
18		
19 2011 Merrimack Scrubber Under recovery	\$ 13,561	

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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Merrimack Scrubber O&M, Depr. & Taxes

	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
Merrimack Scrubber Operation & Maintenance Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 300	\$ 600	\$ 1,200
Merrimack Scrubber Fuel Related Cost	-	-	-	-	-	-	-	-	-	110	180	430	720
Merrimack Scrubber Avoided SO2 cost	-	-	-	-	-	-	-	-	-	(140)	(140)	(190)	(470)
Merrimack Scrubber Depreciation Cost	-	-	-	-	-	-	-	-	100	1,000	1,000	1,000	3,100
Merrimack Scrubber Property Taxes (2)	-	-	-	-	-	-	-	-	-	17	17	17	51
Total Merrimack Scrubber O&M, Fuel, SO2, Depr. and Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 1,287	\$ 1,357	\$ 1,857	\$ 4,601

(1) Reflect September 28, 29, & 30, 2011.

(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 Actual	February 2011 Actual	March 2011 Actual	April 2011 Actual	May 2011 Actual	June 2011 Actual	July 2011 Actual	August 2011 Actual	September 2011 Estimate (1)	October 2011 Estimate	November 2011 Estimate	December 2011 Estimate	Total
Merrimack Scrubber Return on Rate Base													
Rate base													
Net Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 324,516	\$ 323,516	\$ 322,516	\$ 350,352	
Working Capital Allow. (45 days of O&M)	-	-	-	-	-	-	-	-	148	148	148	148	
Deferred Taxes	-	-	-	-	-	-	-	-	(15,843)	(17,179)	(18,509)	(19,833)	
Total Rate Base (L15 thru L18)	-	-	-	-	-	-	-	-	308,821	306,485	304,155	330,667	
Average Rate Base (prev + curr month)	-	-	-	-	-	-	-	-	308,821	307,653	305,320	317,411	
x Return	0.9339%	0.9339%	0.9339%	0.9411%	0.9411%	0.9411%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	0.9322%	
Merrimack Scrubber Return (L21 x L22)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 288	\$ 2,868	\$ 2,846	\$ 2,959	\$ 8,960

(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.