

ATTACHMENT INDEX
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INVESTIGATION OF MERRIMACK STATION SCRUBBER PROJECT
AND COST RECOVERY
DOCKET NO. DE 11-250

Attachmet Attachment RAB - 1

- 1 Energy Service Rate (No Scrubber Costs):
 - As proposed in DE 11-215
 - As projected for 2013
- 2 Scrubber Rates and Cost Recovery Scenarios
- 3 Combined ES Rate and Cost Recovery Scenarios
- 4 Calculations Supporting Projected Rates
- 5 Calculations Supporting \$33.4 Million Projected PPA
- 6 DE 11-250, Attachment SEM-2, page 23

Docket No. DE 11-250
Dated: 06/15/12
Attachment RAB-1

ORIGINAL

Case No. _____
Page No. 13-1

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INVESTIGATION OF MERRIMACK STATION SCRUBBER PROJECT

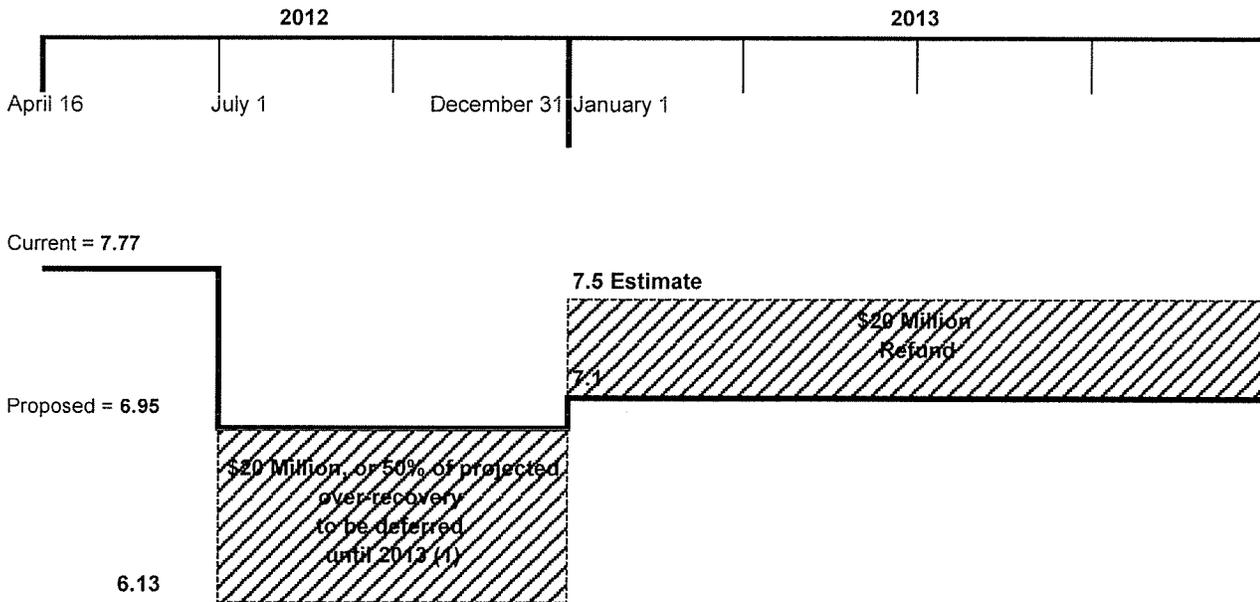
AND COST RECOVERY

DOCKET NO. DE 11-250

Energy Service Rate as proposed in DE 11-215

(No Scrubber Costs)

(cents per kWh)



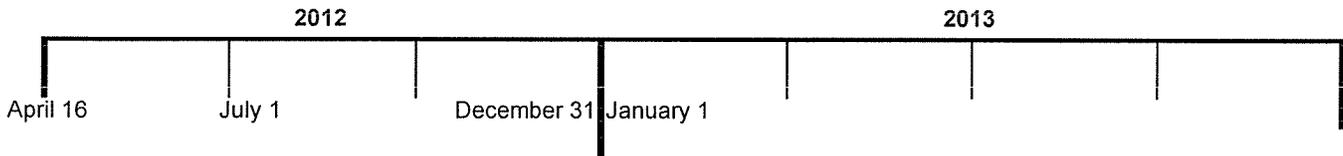
(1) Attachment RAB-1, pg. 1, line 29, \$40,301.

Docket No. DE 11-250
Dated: 06/15/12
Attachment RAB-2

ORIGINAL
D.D. Case No.
Docket No. 13-2

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INVESTIGATION OF MERRIMACK STATION SCRUBBER PROJECT
AND COST RECOVERY
DOCKET NO. DE 11-250

Scrubber Rates and Cost Recovery Scenarios
Recovery of \$33.4 Million Projected PPA
Scrubber Costs Only
(cents per kWh)



Reference

1 year PPA	1.8	Attach. RAB-4
2 year PPA	1.4	Attach. RAB-4
Normal Scrubber Rate Level	1.1	Attach. RAB-4
Current = .98		

ORIGINAL
 13-3

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INVESTIGATION OF MERRIMACK STATION SCRUBBER PROJECT

AND COST RECOVERY

DOCKET NO. DE 11-250

Combined ES Rate and Cost Recovery Scenarios
ES Rate Including Scrubber Costs
 (cents per kWh)

	Scenarios				Reference
	A	B	C	D	
Projected 2013 ES Rates - no Scrubber	7.1	7.1	7.5	7.5	Attach. RAB-1
<u>Recover Scrubber \$33M under-recovery over:</u>					
1. 2 Year PPA	1.4		1.4		Attach. RAB-2
2. 1 Year PPA		1.8		1.8	Attach. RAB-2
Total ES Rate	8.5	8.9	8.9	9.3	
	↑ PSNH Proposed Rate Path				

Docket No. DE 11-250

Dated: 06/15/12

Attachment RAB-4

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

INVESTIGATION OF MERRIMACK STATION SCRUBBER PROJECT

DOCKET NO. DE 11-250

Calculations Supporting Projected Rates

Annual level of Scrubber costs	\$ 55,500 Attachment RAB-6
Total 2012 forecasted sales (mWh)	<u>5,093,934</u>
Normal Scrubber rate level	<u><u>1.1 cents / kWh</u></u>

\$33.4 million PPA Rate Impact :

1 year	$\$33.4\text{M} / 5,093,934 \text{ mWh} = .7 \text{ cents / kWh}$
2 year	$\$33.4\text{M} / 2 / 5,093,934 \text{ mWh} = .3 \text{ cents / kWh}$

Projected Scrubber rate impact - 2013 :

1 year PPA	1.8 cents / kWh
2 year PPA	1.4 cents / kWh

Docket No. DE 11-250
Dated: 06/15/12
Attachment RAB-5

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INVESTIGATION OF MERRIMACK STATION SCRUBBER PROJECT

DOCKET NO. DE 11-250

Calculations Supporting \$33.4 Million Projected PPA

Annual level of Scrubber costs	\$ 55,500	Attachment RAB-6
2011 Scrubber under-recovery	<u>13,101</u>	Attachment RAB-6
Total costs to be recovered	\$ 68,601	
Current Scrubber Rate		0.98 cents/kWh
Projected GWH sales April 16 - December 31, 2012		<u>3,592 (A)</u>
Total projected recoveries in 2012	<u>35,201</u>	<u>35,201</u>
Total projected under-recovery as of 12/31/12	<u>\$ 33,400</u>	

(A) Total 2012 forecasted sales for April - December 2012 from Attachment RAB-6: 3,784,328 MWH less April 1 - 15 sales of 192,788 MWH (385,586 (1) x 50%) for a total sales of 3,591,540 MWH.

(1) April 2012 sales - Attachment SEM-1, page 18 in Docket No. DE 11-250.

Temporary Rate Calculation Case No. 13-6

DE 11-250

Attachment SEM-2

	Per	
	PSNH 1/28/2012	Staff Proposal
1 PSNH Forecasted 2012 Costs:		
1 Scrubber O&M, Fuel & Avoided SO ₂ cost	\$ 6,671	\$ 6,671
2 Scrubber Depreciation Expense	13,761	13,761
3 Scrubber Property Tax Expense	267	267
4 Scrubber Return on Rate Base	34,801	34,801
5 Subtotal	55,500	55,500
6 Amortization of 2011 Scrubber Under-recovery		
7 (13,101 / 3 years)	4,367	
8 Net Forecasted Scrubber Cost (PSNH)	\$ 59,867	
9 Temporary Rate Cost Percentage (see below)		66.00%
10 2012 Costs for Temporary Rate Purposes		36,631
11 2011 Scrubber Under-recovery		13,101
12 Net Scrubber Costs for Temp. Rates (Staff)		\$ 49,732
13 Forecasted April - December 2012 MWh Sales	3,784,328	3,784,328
14 ES Rate Attributable to Scrubber (4/2012 - 12/2012)	1.58 ¢/kWh	1.31 ¢/kWh
15 Total 2012 Forecasted Sales	5,093,934	5,093,934
16 ES Rate Attributable to Scrubber (12 mo. Rate)	1.18 ¢/kWh	0.98 ¢/kWh

	(\$000)		
	DE 11-215 Staff #1-17	Accum. Depr.	Adjusted Gross Plant
17			
18 Calculation of Temporary Rate Cost Percentage:			
19 13-month average of Gross Plant			
20 December 31, 2011	350,358	3,100	353,458
21 January 31, 2012	349,288	4,170	353,458
22 February 29, 2012	348,218	5,240	353,458
23 March 31, 2012	356,348	6,310	362,658
24 April 30, 2012	355,249	7,409	362,658
25 May 31, 2012	354,150	8,508	362,658
26 June 30, 2012	385,351	9,607	394,958
27 July 31, 2012	384,148	10,810	394,958
28 August 31, 2012	382,945	12,013	394,958
29 September 30, 2012	383,742	13,216	396,958
30 October 31, 2012	382,527	14,431	396,958
31 November 30, 2012	381,312	15,646	396,958
32 December 31, 2012	383,097	16,861	399,958
33			4,924,054
34	Divide by 13		13
35	13-mo average		378,773

36	Original Scrubber Project Cost Estimate	(a)	250,000
37	Divide by: 13-month average gross plant for 2012	(b)	378,773
38			
39	Temporary Rate Cost Percentage (a/b)		66.00%