PSNH Self Generation Costs

	Jan-June 2015 (1) (Cents/kwh)		July-Dec 2015 (2) (Cents/kwh)		Jan-June 2016(3) (Cents/kwh)	
	Prelim	Final	Prelim	Final	Prelim	Final
Fossil Energy Costs	2.84	3.24	2.14	2.31	2.11	1.56
F/H O&M, depreciation and taxes	3.2	3.20	2.81	2.82	3.23	2.84
Return on Rate Base	0.99	1.05	0.95	0.98	1.74	1.13
Total Self Generating Costs	**7.03**	**7.49**	**5.90**	**5.93**	**7.08**	**5.53**
Prior Period over/Under Recovery	0.01	0.35	(1.62)	(1.58)	0.00	(0.07)
Default Rate excluding Scrubber costs	8.63	9.58	8.94	8.98	8.67	8.27

(1) PSNH Proposed Default Energy Service Rate for 2015 Sept. 15, 2014. Updated Dec. 15, 2014. Actual Costs through October 2014. Approved by NHPUC Order 25741 Dec. 22, 2014
(2) PSNH Proposed Default Energy Service Rate for 2015, Mid-Year Adjustment. May 4, 2015.Updated June 11, 2015. Actual costs through April 2015. Approved by NHPUC Order 25792 June 25, 2015, 2015
(3) PSNH Proposed Default Energy Service Rate for 2016. Sept. 28. 2015. Updated Dec. 11, 2015. Actual costs through Oct. 2015. Approved by NHPUC Order 25853 December 22, 2015

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
2015 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

Line	Summary of Forecasted Energy Service Cost For January 2015 Through December 2015		TOTAL COST		Cents per KWH	Reference
11						
12	Fossil energy costs	$	113,782	$	2.84	Attachment CJG-2, page 2
13	F/H O&M, depreciation & taxes		124,449		3.10	Attachment CJG-2, page 2
14	Return on rate base		30,874		0.99	Attachment CJG-2, page 2
15	ISO-NE ancillary		5,834		0.15	Attachment CJG-2, page 2
16	Capacity		(6,955)		(0.17)	Attachment CJG-2, page 2
17	NH RPS		22,373		0.56	Attachment CJG-2, page 2
18	RGGI costs		4,609		0.11	Attachment CJG-2, page 2
19	IPP costs (1)		22,107		0.55	Attachment CJG-2, page 2
20	Berlin Station		34,584		0.86	Attachment CJG-2, page 2
21	Purchases and sales		(14,949)		(0.37)	Attachment CJG-2, page 2
22	Return on ES Deferral		(84)		(0.00)	Attachment CJG-2, page 2
23						
24	Total Forecasted Energy Service Cost	$	345,624	$	8.62	
25						
26	2014 ES Over/Under Recovery		418		0.01	Attachment CJG-3, page 1
27						
28	Net Forecasted Energy Service Cost	$	346,042			
29						
30	Forecasted Retail MWH Sales		4,009,133		8.63	
31						
32						
33	Forecasted Energy Service Rate -					
34	cents Per KWH (line 28 / Line 30)		8.63			
35						
36	Plus Scrubber ES Rate cents per kwh per DE 11-250		0.98			
37						
38	Total Energy Service Rate - cents per kwh		9.61			
39						
40						

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

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Dated: 12/15/2014
Attachment CJG-1
Page 1

Line						
1	PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE					
2	2015 ENERGY SERVICE RATE CALCULATION					
3	(Dollars In 000s)					
4						
5						
6						
7						
8						
9	Summary of Forecasted Energy Service					
10	Cost For January 2015 Through December 2015		TOTAL COST		Cents per KWH	Reference
11						
12	Fossil energy costs	$	124,783	$	3.24	Attachment CJG-2, page 2
13	F/H O&M, depreciation & taxes		122,989		3.20	Attachment CJG-2, page 2
14	Return on rate base		40,395		1.05	Attachment CJG-2, page 2
15	ISO-NE ancillary		3,845		0.10	Attachment CJG-2, page 2
16	Capacity		(6,495)		(0.17)	Attachment CJG-2, page 2
17	NH RPS		21,535		0.56	Attachment CJG-2, page 2
18	RGGI costs		4,991		0.13	Attachment CJG-2, page 2
19	IPP costs (1)		23,146		0.60	Attachment CJG-2, page 2
20	Berlin Station		34,414		0.89	Attachment CJG-2, page 2
21	Purchases and sales		(14,877)		(0.39)	Attachment CJG-2, page 2
22	Return on ES Deferral		86		0.00	Attachment CJG-2, page 2
23						
24	Total Forecasted Energy Service Cost	$	354,812	$	9.23	
25						
26	2014 ES Over/Under Recovery		13,435		0.35	Attachment CJG-3, page 1
27						
28	Net Forecasted Energy Service Cost	$	368,247			
29						
30	Forecasted Retail MWH Sales		3,845,623		9.58	
31						
32						
33	Forecasted Energy Service Rate -					
34	cents Per KWH (line 28 / Line 30)		9.58			
35						
36	Plus Scrubber ES Rate cents per kwh per DE 11-250		0.98			
37						
38	Total Energy Service Rate - cents per kwh		10.56			
39						
40						
41	(1) The IPP costs represent the forecasted market value of IPP generation.					

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2015 ENERGY SERVICE RATE CALCULATION
RATE EFFECTIVE JULY 1, 2015
(Dollars in 000's)

Summary of Forecasted Energy Service Cost For January 2015 Through December 2015		TOTAL COST		Cents per KWH	Reference
Fossil energy costs	$	91,739	$	2.14	Attachment CJG-2, page 2
F/H O&M, depreciation & taxes		120,706	$	2.81	Attachment CJG-2, page 2
Return on rate base		41,008	$	0.95	Attachment CJG-2, page 2
ISO-NE ancillary		3,696	$	0.09	Attachment CJG-2, page 2
Capacity		(2,406)	$	(0.06)	Attachment CJG-2, page 2
NH RPS		6,020	$	0.14	Attachment CJG-2, page 2
Seabrook costs / (credits)		(194)	$	(0.00)	Attachment CJG-2, page 2
Vermont Yankee		(309)	$	(0.01)	Attachment CJG-2, page 2
RGGI costs		2,577	$	0.06	Attachment CJG-2, page 2
IPP costs (*)		15,099	$	0.35	Attachment CJG-2, page 2
Burgess BioPower		29,494	$	0.69	Attachment CJG-2, page 2
Purchases and sales		53,701	$	1.25	Attachment CJG-2, page 2
Return on ES Deferral		(69)	$	(0.00)	Attachment CJG-2, page 2
2014 Actual ES under recovery		17,274			
Total Updated Energy Service Cost	$	378,337			
Total Updated Revenue		411,434			
2015 ES (Over)/Under Recovery		(33,097)			
Forecasted Retail MWH Sales July - December 2015		2,047,099			
Change to Energy Service Rate - cents per kwh		(1.62)			
Energy Service Rate as approved in DE 14-235 - cents per kwh		9.58			
Updated Energy Service Rate w/o Scrubber - cents per kwh		7.96			
Plus Scrubber ES Rate cents per kwh per DE 11-250		0.98			
Total Updated Energy Service Rate Effective 7/1/15 - cents per kwh		8.94			

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

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2015 ENERGY SERVICE RATE CALCULATION
RATE EFFECTIVE JULY 1, 2015
(Dollars in 000's)

Summary of Forecasted Energy Service Cost For January 2015 Through December 2015		TOTAL COST		Cents per KWH	Reference
Fossil energy costs	$	97,575	$	2.31	Attachment CJG-2, page 2
F/H O&M, depreciation & taxes		118,945	$	2.82	Attachment CJG-2, page 2
Return on rate base		40,361	$	0.96	Attachment CJG-2, page 2
ISO-NE ancillary		2,899	$	0.07	Attachment CJG-2, page 2
Capacity		(3,103)	$	(0.07)	Attachment CJG-2, page 2
NH RPS		3,240	$	0.08	Attachment CJG-2, page 2
Millstone NEIL Refunds		(194)	$	(0.00)	Attachment CJG-2, page 2
Vermont Yankee		(319)	$	(0.01)	Attachment CJG-2, page 2
RGGI costs		2,718	$	0.06	Attachment CJG-2, page 2
IPP costs (*)		15,053	$	0.36	Attachment CJG-2, page 2
Burgess BioPower		31,302	$	0.74	Attachment CJG-2, page 2
Purchases and sales		46,692	$	1.11	Attachment CJG-2, page 2
Return on ES Deferral		(58)	$	(0.00)	Attachment CJG-2, page 2
2014 Actual ES under recovery		17,274			
Total Updated Energy Service Cost	$	372,386			
Total Updated Revenue		404,365			
2015 ES (Over)/Under Recovery		(31,979)			
Forecasted Retail MWH Sales July - December 2015		2,027,673			
Change to Energy Service Rate - cents per kwh		(1.58)			
Energy Service Rate as approved in DE 14-235 - cents per kwh		9.58			
Updated Energy Service Rate w/o Scrubber - cents per kwh		8.00			
Plus Scrubber ES Rate cents per kwh per DE 11-250		0.98			
Total Updated Energy Service Rate Effective 7/1/15 - cents per kwh		8.98			

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

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Dated: 09/28/2015
Attachment CJG-1
Page 1

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2016 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

Summary of Forecasted Energy Service Cost For January 2016 Through December 2016		TOTAL COST		Cents per KWH	Reference
Fossil energy costs	$	78,784	$	2.11	Attachment CJG-2, page 2
F/H O&M, depreciation & taxes		120,507		3.23	Attachment CJG-2, page 2
Return on rate base		64,961		1.74	Attachment CJG-2, page 2
ISO-NE ancillary		1,489		0.04	Attachment CJG-2, page 2
Capacity		(10,330)		(0.28)	Attachment CJG-2, page 2
NH RPS		25,088		0.67	Attachment CJG-2, page 2
RGGI costs		3,028		0.08	Attachment CJG-2, page 2
IPP costs (1)		13,740		0.37	Attachment CJG-2, page 2
Burgess BioPower		36,202		0.97	Attachment CJG-2, page 2
Purchases and sales		36,352		0.98	Attachment CJG-2, page 2
Return on ES Deferral		18		0.00	Attachment CJG-2, page 2
Amortization of previouly deferred Scrubber costs		17,612		0.47	Attachment CJG-2, page 2
Total Forecasted Energy Service Cost	$	387,428	$	10.39	
2015 ES Over/Under Recovery		(55)		(0.00)	Attachment CJG-3, page 1
Net Forecasted Energy Service Cost	$	387,373			
Forecasted Retail MWH Sales		3,727,689		10.39	
Forecasted Energy Service Rate - cents Per KWH (line 29 / Line 31)		10.39			

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

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2016 ENERGY SERVICE RATE CALCULATION
(Dollars in 000s)

Summary of Forecasted Energy Service Cost For January 2016 Through December 2016		TOTAL COST	Cents per KWH	Reference
Fossil energy costs	$	56,241	1.56	Attachment CJG-2, page 2
F/H O&M, depreciation & taxes		102,356	2.84	Attachment CJG-2, page 2
Return on rate base		40,561	1.12	Attachment CJG-2, page 2
ISO-NE ancillary		991	0.03	Attachment CJG-2, page 2
Capacity		(11,328)	(0.31)	Attachment CJG-2, page 2
NH RPS		12,273	0.34	Attachment CJG-2, page 2
RGGI costs		2,229	0.06	Attachment CJG-2, page 2
IPP costs (*)		11,942	0.33	Attachment CJG-2, page 2
Burgess BioPower		36,202	1.00	Attachment CJG-2, page 2
Purchases and sales		49,624	1.38	Attachment CJG-2, page 2
Return on ES Deferral		(17)	(0.00)	Attachment CJG-2, page 2
Total Forecasted Energy Service Cost	$	301,075	8.34	
2015 ES Over/Under Recovery		(2,588)	(0.07)	Attachment CJG-3, page 1
Net Forecasted Energy Service Cost	$	298,487		
Forecasted Retail MWH Sales		3,608,191	8.27	
Forecasted Energy Service Rate - cents Per KWH (line 29 / Line 31)		8.27		
Plus Scrubber ES Rate cents per kwh per DE 11-250		1.72		
Total Energy Service Rate - cents per kwh		9.99		

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