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.

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)

Energy Service Cost	January 2015 Actual	February 2015 Actual	March 2015 Actual	April 2015 Actual	May 2015 Estimate	June 2015 Estimate	Reference
Fossil energy costs	$ 17,671	$ 31,619	$ 10,561	$ 2,242	$ 597	$ 1,427	CJG-2, P3
F/H O&M, depreciation & taxes	8,107	8,967	7,463	14,592	11,529	8,098	CJG-2, P5
Return on rate base	3,560	3,519	2,885	3,077	3,159	3,293	CJG-2, P6
ISO-NE ancillary	893	1,101	1,331	369	(4,286)	531	CJG-2, P3
Capacity	698	606	298	(206)	(268)	(659)	CJG-2, P3
NH RPS	2,000	2,000	(5,308)	(2,317)	509	869	CJG-2, P3
Millstone NEIL Refunds	-	-	(194)	-	-	-	
Vermont Yankee	(288)	3	(24)	(9)	-	-	
RGGI costs	11	1,057	282	8	-	25	CJG-2, P3
IPP costs (*)	1,912	3,230	1,191	893	882	869	CJG-2, P3
Burgess BioPower	1,641	2,104	1,787	3,195	3,006	2,914	CJG-2, P3
Purchases and sales (inc. Congestion and Loss Adj.)	3,297	(12,911)	6,386	6,728	4,957	6,307	CJG-2, P3
Return on ES Deferral	23	19	9	1	(3)	(15)	
2014 Actual ES under recovery	17,274						
Total Energy Service Cost	$ 56,799	$ 41,315	$ 26,669	$ 28,572	$ 20,081	$ 23,659	
Total Energy Service Revenue at 9.58 cents/kwh	$ 45,211	$ 41,076	$ 38,661	$ 26,309	$ 28,100	$ 30,757	
ES Under/(Over) Recovery	11,588	240	(11,993)	2,263	(8,019)	(7,099)	
Forecasted Retail MWH Sales	482,767	419,590	403,418	274,474	293,318	321,059	
Energy Service Cost - cents per kwh	11.77	9.85	6.61	10.41	6.85	7.37	

(*) 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 D/B/A EVERSOURCE ENERGY
2015 ENERGY SERVICE RATE CALCULATION
RATE EFFECTIVE JULY 1, 2015
(Dollars in 000's)

Energy Service Cost	July 2015 Estimate	August 2015 Estimate	September 2015 Estimate	October 2015 Estimate	November 2015 Estimate	December 2015 Estimate	Total	Reference
Fossil energy costs	$ 5,886	$ 2,020	$ 1,067	$ 597	$ 4,946	$ 18,941	$ 97,575	CJG-2, P3
F/H O&M, depreciation & taxes	8,956	8,287	12,331	13,530	8,659	8,426	118,945	CJG-2, P5
Return on rate base	3,358	3,372	3,412	3,510	3,590	3,624	40,361	CJG-2, P6
ISO-NE ancillary	644	583	550	350	368	467	2,899	CJG-2, P3
Capacity	(502)	(667)	(756)	(849)	(544)	(253)	(3,103)	CJG-2, P3
NH RPS	1,021	970	799	780	857	1,060	3,240	CJG-2, P3
Millstone NEIL Refunds	-	-		-	-	-	(194)	
Vermont Yankee	-	-	-	-	-	-	(319)	
RGGI costs	210	43	17	-	220	845	2,718	CJG-2, P3
IPP costs (*)	832	645	603	771	1,288	1,937	15,053	CJG-2, P3
Burgess BioPower	3,006	3,006	2,914	1,731	2,914	3,082	31,302	CJG-2, P3
Purchases and sales (inc. Congestion and Loss Adj.)	7,055	8,859	6,275	7,313	7,569	(5,142)	46,692	CJG-2, P3
Return on ES Deferral	(21)	(23)	(21)	(15)	(8)	(4)	(58)	
2014 Actual ES under recovery							17,274	
Total Energy Service Cost	$ 30,445	$ 27,096	$ 27,193	$ 27,717	$ 29,857	$ 32,983	$ 372,386	
Total Energy Service Revenue at 9.58 cents/kwh	$ 36,153	$ 34,338	$ 28,293	$ 27,619	$ 30,331	$ 37,518	$ 404,365	
ES Under/(Over) Recovery	(5,708)	(7,242)	(1,100)	98	(473)	(4,534)	$ (31,979)	
Forecasted Retail MWH Sales	377,379	358,429	295,336	288,300	316,606	391,624	4,222,300	
Energy Service Cost - cents per kwh	8.07	7.56	9.21	9.61	9.43	8.42	8.82	

(*) 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

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

			Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Total
Hydro:	Energy		37.175	25.123	23.383	39.931	37.810	29.323	23.532	19.283	15.405	23.510	31.722	31.768	337.965
Coal:	Energy		325.573	338.621	178.026	1.926	-	-	58.693	-	1.239	-	91.385	346.446	1,341.909
	Energy Expense	$	16,257	16,253	8,329	1,431	-	-	2,836	-	83	-	4,318	16,646	66,153
Wood:	Energy		29.451	20.791	26.759	8.664	28.473	27.554	28.473	28.473	27.554	28.473	27.554	28.473	310.692
	Energy Expense	$	1,617	1,603	1,530	1,045	1,717	1,662	1,717	1,717	1,662	1,717	1,662	1,717	19,364
	Revenue Credit	$	(1,203)	(917)	(1,114)	(517)	(1,120)	(1,084)	(1,120)	(1,120)	(1,084)	(1,120)	(1,084)	(1,120)	(12,600)
IC/Jets	Energy		0.023	0.361	(0.073)	(0.020)	-	-	-	-	-	-	-	-	0.292
	Energy Expense	$	18	127	-	2	-	-	-	-	-	-	-	-	147
Newington:	Energy		5.968	95.216	1.801	1.164	-	18.259	50.065	31.217	9.424	-	-	13.367	226.482
	Energy Expense	$	982	14,553	1,817	281	-	849	2,453	1,423	406	-	50	1,698	24,511
IPP's:	Energy		25.555	25.849	21.776	31.870	32.757	27.192	19.121	16.964	18.065	21.151	21.795	22.618	284.713
	Energy Expense	$	1,816	3,134	1,102	807	791	796	759	572	531	676	1,193	1,842	14,019
	ICAP	$	96	96	90	85	91	73	73	73	73	95	95	95	1,034
Burgess BioPower	Energy		21.038	27.680	23.129	42.601	39.674	38.394	39.674	39.674	38.394	21.821	38.394	39.674	410.147
	Expense	$	1,468	1,931	1,614	3,022	2,833	2,741	2,833	2,833	2,741	1,558	2,741	2,833	29,147
	ICAP	$	173	173	173	173	173	173	173	173	173	173	173	249	2,154
Contract Purchases	Energy		8.861	6.170	35.606	46.004	36.254	38.877	2.863	2.754	3.675	5.257	6.463	6.037	198.821
	Expense	$	506	671	1,701	1,899	1,570	1,554	150	145	193	276	339	443	9,445
	ICAP	$	26	26	25	25	19	9	9	9	9	21	21	21	221
Energy Purchases	Energy		66.201	44.865	131.966	176.839	136.081	160.945	190.308	241.729	199.431	205.515	131.754	2.354	1,687.988
	Expense	$	5,187	4,755	7,756	5,686	3,425	4,800	7,574	8,755	6,128	7,071	7,701	235	69,073
Energy Sales	Energy		(40.497)	(146.247)	(50.884)	(34.584)	-	(0.079)	(12.539)	-	-	-	(13.325)	(75.441)	(373.595)
	(Credit)	$	(2,422)	(18,362)	(3,096)	(883)	-	(4)	(732)	-	-	-	(660)	(6,729)	(32,887)
Congestion and Loss Adjustment		$	-	-	-	-	(57)	(52)	54	(50)	(55)	(55)	167	889	840
Total Energy GWH			479.347	438.428	391.490	314.396	311.048	340.466	400.190	380.095	313.187	305.727	335.743	415.296	4,425.413
Total Energy Expense		$	24,521	24,043	19,925	13,057	9,442	11,518	16,780	14,530	10,861	10,412	16,716	18,818	190,622
ISO-NE Ancillary		$	893	1,101	1,331	369	(4,286)	531	644	583	550	350	368	467	2,899
NH RPS		$	2,000	2,000	(5,308)	(2,317)	509	869	1,021	970	799	780	857	1,060	3,240
RGGI Costs		$	11	1,057	282	8	-	25	210	43	17	-	220	845	2,718
Capacity (sold)/bought MW-mo			181	160	61	(31)	(86)	(198)	(151)	(201)	(228)	(256)	(165)	(77)	(991)
Capacity (sold)/bought Cost ($000)		$	698	606	298	(206)	(268)	(659)	(502)	(667)	(756)	(849)	(544)	(253)	(3,103)

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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

Forecasted PSNH IPP Market Value - May - December 2015

Month	IPP GWh	IPP Energy at Mkt Value ($000)	Capacity MW	ICAP Value $/kw-mo	ICAP ($000)	Total ($000)	Total $/MWh
May	32.757	791	29.2	3.11	91	882	26.91
June	27.192	796	22.0	3.33	73	869	31.97
July	19.121	759	22.0	3.32	73	832	43.51
August	16.964	572	22.0	3.32	73	645	38.04
September	18.065	531	22.0	3.31	73	603	33.40
October	21.151	676	28.7	3.31	95	771	36.45
November	21.795	1,193	28.7	3.30	95	1,288	59.07
December	22.618	1,842	28.7	3.30	95	1,937	85.64
Total	179.663	7,160			667	7,827	43.57

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
2015 ENERGY SERVICE RATE CALCULATION
FOSSIL / HYDRO O&M, DEPRECIATION & TAXES DETAIL
RATE EFFECTIVE JULY 1, 2015
(Dollars in 000's)

Fossil / Hydro O&M, Depr. & Taxes	January 2015 Actual	February 2015 Actual	March 2015 Actual	April 2015 Actual	May 2015 Estimate	June 2015 Estimate	July 2015 Estimate	August 2015 Estimate	September 2015 Estimate	October 2015 Estimate	November 2015 Estimate	December 2015 Estimate	Total
F/H Operation & Maintenance Cost	$ 5,582	$ 5,891	$ 4,706	$ 11,681	$ 8,620	$ 5,190	$ 6,044	$ 5,436	$ 9,412	$ 10,544	$ 5,749	$ 5,509	$ 84,363
F/H Depreciation Cost	1,630	1,626	1,627	1,629	1,677	1,675	1,678	1,682	1,685	1,698	1,698	1,705	20,011
F/H Property Taxes	664	1,179	859	971	984	984	984	984	984	984	984	984	11,545
F/H Payroll and Other Taxes	182	223	224	262	198	198	198	134	198	251	176	176	2,419
Amort. of Asset Retirement Obligation	48	48	48	49	50	50	51	51	51	52	52	52	606
Total F/H O&M, Depr. and Taxes	$ 8,107	$ 8,967	$ 7,463	$ 14,592	$ 11,529	$ 8,098	$ 8,956	$ 8,287	$ 12,331	$ 13,530	$ 8,659	$ 8,426	$ 118,945

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

Line	Return on Rate Base	January 2015 Actual	February 2015 Actual	March 2015 Actual	April 2015 Actual	May 2015 Estimate	June 2015 Estimate	July 2015 Estimate	August 2015 Estimate	September 2015 Estimate	October 2015 Estimate	November 2015 Estimate	December 2015 Estimate	Total
15	Rate base													
16	Net Plant	274,731	276,002	269,822	271,083	289,475	288,739	289,881	291,291	292,644	297,720	297,660	300,647	
18	Working Capital Allow. (45 days of O&M)	10,826	10,826	10,826	10,826	10,826	10,826	10,826	10,826	10,826	10,826	10,826	10,826	
19	Fossil Fuel Inventory	95,075	95,075	54,584	54,584	48,429	53,792	53,718	53,653	59,018	67,147	71,172	71,124	
20	Mat'ls and Supplies	55,216	55,216	57,528	57,528	57,162	57,162	57,162	57,162	57,162	57,162	57,162	57,162	
21	Prepayments	1,500	1,500	1,062	1,062	1,061	1,061	1,061	1,061	1,061	1,061	1,061	1,061	
22	Deferred Taxes	(36,345)	(36,345)	(41,883)	(41,883)	(35,437)	(34,659)	(33,545)	(32,131)	(31,067)	(29,015)	(28,829)	(26,770)	
23	Other Regulatory Obligations	(16,388)	(16,388)	(16,041)	(16,041)	(17,821)	(10,374)	(11,263)	(12,153)	(13,043)	(13,933)	(14,823)	(15,713)	
24	Total Rate Base (L16 thru L23)	384,616	385,887	335,899	337,160	353,696	366,547	367,840	369,710	376,601	390,968	394,229	398,337	
26	Average Rate Base (prev + curr month)	389,745	385,251	360,893	336,529	345,428	360,122	367,194	368,775	373,156	383,785	392,599	396,283	
27	x Return	0.9135%	0.9135%	0.9135%	0.9145%	0.9145%	0.9145%	0.9145%	0.9145%	0.9145%	0.9145%	0.9145%	0.9145%	
28	Return (L26 x L27)	$ 3,560	$ 3,519	$ 2,885	$ 3,077	$ 3,159	$ 3,293	$ 3,358	$ 3,372	$ 3,412	$ 3,510	$ 3,590	$ 3,624	$ 40,361

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