

**Attachment FBW-1**  
**PSNH Resource Portfolio - 2016**

<u>Resource</u>	<u>Rating - MW</u>		<u>Interest</u>	<u>Capability - MW</u>	
	<u>Winter</u>	<u>Summer</u>		<u>Winter</u>	<u>Summer</u>
Amoskeag	17.5	17.0	100%	17.5	17.0
Ayers Island	8.9	8.3	100%	8.9	8.3
Canaan	0.9	0.3	100%	0.9	0.3
Eastman Falls	6.1	5.3	100%	6.1	5.3
Garvins/Hooksett	7.1	0.0	100%	7.1	0.0
Gorham	1.7	0.7	100%	1.7	0.7
Jackman	3.5	3.6	100%	3.5	3.6
Smith	15.8	6.5	100%	15.8	6.5
Merrimack 1	108.1	108.0	100%	108.1	108.0
Merrimack 2	330.5	330.0	100%	330.5	330.0
Schiller 4	48.0	47.5	100%	48.0	47.5
Schiller 5	42.6	43.1	100%	42.6	43.1
Schiller 6	47.9	47.8	100%	47.9	47.8
Newington	400.2	400.2	100%	400.2	400.2
Lost Nation	18.0	14.0	100%	18.0	14.0
Merrimack CT1	21.7	16.8	100%	21.7	16.8
Merrimack CT2	21.3	16.8	100%	21.3	16.8
Schiller CT 1	18.5	17.6	100%	18.5	17.6
White Lake Jet	22.4	17.4	100%	22.4	17.4
Wyman 4	605.9	602.1	3.14%	19.0	18.9
Lempster Wind	7.9	3.2	90%	7.1	2.9
Burgess Biopower	67.5	67.5	100%	67.5	67.5
IPPs Total	33.5	20.5	100%	33.5	20.5
Total				1,267.9	1,210.9

**Attachment FBW-2**  
**PSNH Supply Resources Used to Serve Energy Requirements - 2016**

<b>Peak</b>	Energy Requirement	PSNH Resource Subtotal	<b><u>Portion of Requirement Served by ...</u></b>										
			<u>IPPs</u>	<u>Lempster Wind</u>	<u>Burgess Biomass</u>	<u>Hydro</u>	<u>Merrimack</u>	<u>Schiller</u>	<u>Newington</u>	<u>Wyman</u>	<u>Bilateral Purchases</u>	<u>ISO-NE Spot Purchases</u>	<u>Combustion Turbines</u>
<u>2016</u>	<u>MWh</u>												
Jan	175,677	63%	6%	2%	12%	10%	23%	10%	0%	0%	0%	37%	0.10%
Feb	174,608	56%	7%	2%	10%	10%	16%	10%	0%	0%	0%	44%	0.01%
Mar	170,388	45%	8%	2%	13%	13%	0%	9%	0%	0%	0%	55%	0.08%
Apr	141,552	37%	8%	1%	8%	12%	0%	3%	3%	0%	0%	63%	0.05%
May	138,069	45%	7%	1%	15%	11%	0%	8%	2%	0%	0%	55%	0.09%
Jun	165,982	34%	5%	1%	13%	5%	0%	9%	2%	0%	0%	66%	0.15%
Jul	189,920	55%	3%	1%	11%	3%	22%	8%	8%	0%	0%	45%	0.07%
Aug	205,983	41%	3%	1%	12%	2%	11%	10%	1%	0%	18%	42%	0.00%
Sep	149,002	34%	5%	1%	15%	1%	1%	9%	2%	0%	0%	66%	0.10%
Oct	132,074	33%	6%	2%	12%	3%	0%	11%	0%	0%	19%	48%	0.02%
Nov	142,558	40%	6%	2%	16%	6%	1%	9%	0%	0%	12%	48%	0.00%
<u>Dec</u>	<u>154,322</u>	<u>75%</u>	<u>6%</u>	<u>2%</u>	<u>14%</u>	<u>8%</u>	<u>34%</u>	<u>11%</u>	<u>0%</u>	<u>0%</u>	<u>13%</u>	<u>12%</u>	<u>0.00%</u>
Totals	1,940,136	47%	6%	1%	13%	7%	10%	9%	2%	0%	5%	48%	0.06%

<b>Off-Peak</b>	Energy Requirement	PSNH Resource Subtotal	<b><u>Portion of Requirement Served by ...</u></b>										
			<u>IPPs</u>	<u>Lempster Wind</u>	<u>Burgess Biomass</u>	<u>Hydro</u>	<u>Merrimack</u>	<u>Schiller</u>	<u>Newington</u>	<u>Wyman</u>	<u>Bilateral Purchases</u>	<u>ISO-NE Spot Purchases</u>	<u>Combustion Turbines</u>
<u>2016</u>	<u>MWh</u>												
Jan	194,192	59%	8%	2%	15%	12%	13%	11%	0%	0%	0%	41%	0.03%
Feb	158,802	60%	8%	2%	11%	12%	13%	12%	0%	0%	0%	40%	0.00%
Mar	145,306	53%	10%	2%	17%	16%	0%	8%	0%	0%	0%	47%	0.07%
Apr	134,906	38%	10%	2%	10%	15%	0%	1%	0%	0%	0%	62%	0.00%
May	139,735	51%	8%	2%	19%	12%	0%	10%	0%	0%	0%	49%	0.01%
Jun	134,889	42%	6%	2%	17%	5%	0%	11%	1%	0%	0%	58%	0.00%
Jul	187,085	43%	5%	1%	13%	4%	8%	10%	2%	0%	0%	57%	0.01%
Aug	166,995	46%	4%	1%	15%	3%	12%	10%	1%	0%	0%	54%	0.02%
Sep	135,425	39%	6%	2%	19%	2%	2%	9%	0%	0%	0%	61%	0.00%
Oct	133,625	40%	7%	2%	14%	4%	0%	13%	0%	0%	0%	60%	0.00%
Nov	137,272	47%	7%	2%	19%	6%	0%	11%	0%	0%	0%	53%	0.00%
<u>Dec</u>	<u>156,016</u>	<u>79%</u>	<u>7%</u>	<u>3%</u>	<u>17%</u>	<u>8%</u>	<u>34%</u>	<u>11%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>21%</u>	<u>0.03%</u>
Totals	1,824,248	50%	7%	2%	15%	8%	7%	10%	0%	0%	0%	50%	0.01%

Notes:

1) PSNH Resource Subtotal is the sum of all columns except Bilateral and Spot Purchases.

**Attachment FBW-3**  
**PSNH Bilateral and ISO-NE Spot Purchases and Sales - 2016**

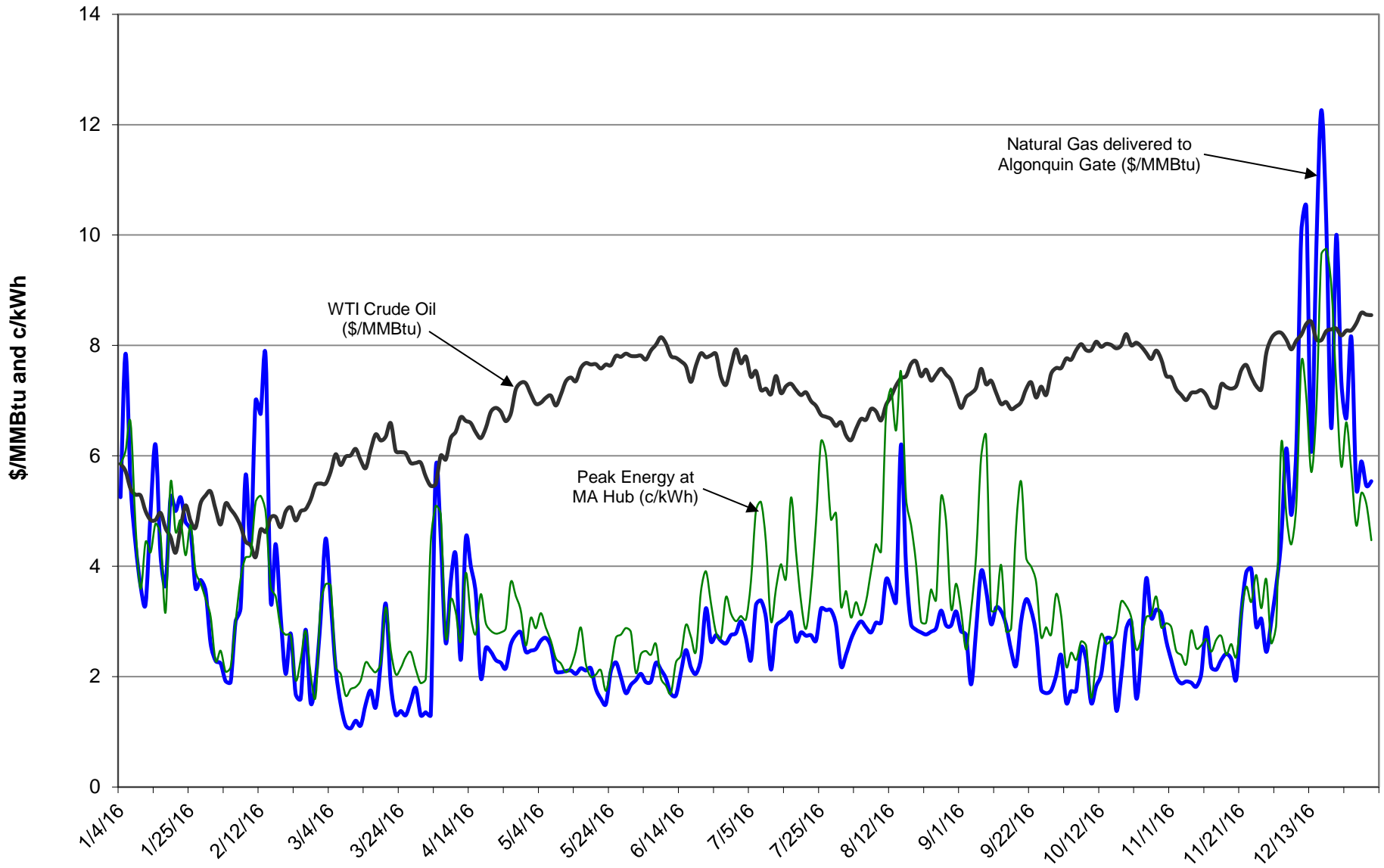
**Peak**

2016	Total Bilateral Purchases MWh	Total Bilateral Purchases \$000	Avg Price \$/MWh	Total ISO-NE Spot Purchases MWh	Total ISO-NE Spot Purchases \$000	Avg Price \$/MWh	Total ISO-NE Spot Sales MWh	Total ISO-NE Spot Sales \$000	Avg Price \$/MWh
Jan	0	0	0.00	64,682	3,059	47.30	7,191	206	28.58
Feb	0	0	0.00	77,615	2,819	36.33	4,603	144	31.39
Mar	0	0	0.00	93,616	2,468	26.37	0	0	0.00
Apr	0	0	0.00	89,547	3,103	34.65	491	3	5.18
May	0	0	0.00	76,286	2,014	26.40	398	1	1.29
Jun	0	0	0.00	109,041	3,162	29.00	0	0	0.00
Jul	0	0	0.00	85,980	3,622	42.13	3,054	167	54.76
Aug	36,800	1,386	37.65	85,979	3,622	42.13	7,473	872	116.73
Sep	0	0	0.00	98,542	3,896	39.53	70	18	252.22
Oct	25,200	784	31.10	63,918	1,816	28.41	0	0	0.00
Nov	16,800	647	38.50	68,513	2,173	31.71	0	0	0.00
Dec	33,600	1,319	39.25	18,664	1,082	57.98	34,077	2,430	71.30
Totals	112,400	4,135	36.79	932,384	32,837	35.22	57,356	3,840	66.95

**Off-Peak**

2016	Total Bilateral Purchases MWh	Total Bilateral Purchases \$000	Avg Price \$/MWh	Total ISO-NE Spot Purchases MWh	Total ISO-NE Spot Purchases \$000	Avg Price \$/MWh	Total ISO-NE Spot Sales MWh	Total ISO-NE Spot Sales \$000	Avg Price \$/MWh
Jan	0	0	0.00	78,953	2,860	36.23	2,136	58	27.00
Feb	0	0	0.00	63,412	1,740	27.44	3,551	115	32.49
Mar	0	0	0.00	69,003	1,625	23.55	0	0	0.00
Apr	0	0	0.00	83,523	2,287	27.38	0	0	0.00
May	0	0	0.00	67,866	1,464	21.57	0	0	0.00
Jun	0	0	0.00	78,646	1,726	21.95	0	0	0.00
Jul	0	0	0.00	107,072	2,691	25.14	853	13	15.41
Aug	0	0	0.00	90,431	2,628	29.06	1,302	33	25.31
Sep	0	0	0.00	82,318	1,909	23.19	0	0	0.00
Oct	0	0	0.00	80,209	1,561	19.46	0	0	0.00
Nov	0	0	0.00	73,134	1,827	24.99	0	0	0.00
Dec	0	0	0.00	32,647	1,525	46.72	21,670	1,344	62.00
Totals	0	0	0.00	907,214	23,844	26.28	29,513	1,563	52.95

**Attachment FBW-4**  
**Daily Prices (Natural Gas, Crude Oil, Day-Ahead Peak Energy) - 2016**



**Attachment FBW-5**  
**Summary of PSNH Capacity Position - 2016**

	Total ISO-NE Capacity Requirement	PSNH Share of ISO-NE Obligation	PSNH Share of ISO-NE Obligation	PSNH Capacity Expense	PSNH Capacity Resources	PSNH Capacity Revenues	PSNH Net Capacity Expense
<u>2016</u>	<u>MW</u>	<u>%</u>	<u>MW</u>	<u>\$(000)</u>	<u>MW</u>	<u>\$(000)</u>	<u>\$(000)</u>
Jan	34,701	3.33%	1,156	3,743	1,390	4,420	(677)
Feb	34,702	3.31%	1,148	3,715	1,390	4,412	(696)
Mar	34,701	3.26%	1,132	3,669	1,368	4,399	(730)
Apr	34,608	3.21%	1,111	3,601	1,368	4,400	(798)
May	34,608	3.19%	1,106	3,583	1,380	4,417	(835)
Jun	34,587	3.09%	1,069	3,306	1,351	4,159	(853)
Jul	34,587	3.08%	1,065	3,284	1,351	4,144	(860)
Aug	34,587	3.06%	1,057	3,265	1,351	4,263	(999)
Sep	34,586	3.00%	1,039	2,938	1,351	3,792	(853)
Oct	34,836	2.96%	1,033	2,956	1,366	3,877	(920)
Nov	34,836	2.95%	1,027	2,910	1,366	3,839	(929)
Dec	34,837	2.95%	1,026	2,912	1,366	3,845	(932)
Totals	416,174	3.12%	12,969	39,883	16,397	49,966	(10,083)

Note: PSNH Resources include Fossil-Hydro Assets, non-utility IPPs, and Hydro-Quebec Interconnection Credits.