

Attachment FBW-1
PSNH Resource Portfolio - 2017

<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	1.0	0.8	100%	1.0	0.8
Eastman Falls	6.1	5.3	100%	6.1	5.3
Garvins/Hooksett	5.3	2.8	100%	5.3	2.8
Gorham	1.4	0.0	100%	1.4	0.0
Jackman	3.5	3.6	100%	3.5	3.6
Smith	15.2	10.2	100%	15.2	10.2
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	48.2	47.8	100%	48.2	47.8
Newington	400.2	400.2	100%	400.2	400.2
Lost Nation	17.7	14.0	100%	17.7	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	600.9	3.14%	19.0	18.9
Lempster Wind	7.8	3.2	90%	7.0	2.9
Burgess Biopower	67.5	67.5	100%	67.5	67.5
IPPs Total	31.1	10.8	100%	31.1	10.8
Total				1,262.7	1,207.3

Notes:

- 1) PSNH's entitlement in Wyman 4 terminated on 11/1/17.

Attachment FBW-2
PSNH Supply Resources Used to Serve Energy Requirements - 2017

Peak	Energy Requirement MWh	PSNH Resource Subtotal	<u>Portion of Requirement Served by ...</u>											
			<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>	
2017														
Jan	162,763	44%	6%	2%	12%	9%	7%	9%	0%	0%	0%	56%	0.02%	
Feb	147,251	54%	6%	2%	12%	8%	15%	11%	0%	0%	0%	46%	0.00%	
Mar	159,566	50%	7%	2%	15%	12%	3%	11%	0%	0%	0%	50%	0.03%	
Apr	119,112	42%	10%	2%	12%	16%	0%	2%	0%	0%	0%	58%	0.01%	
May	131,929	66%	10%	2%	18%	16%	2%	9%	9%	0%	0%	34%	0.19%	
Jun	152,850	61%	7%	1%	15%	11%	14%	10%	2%	0%	0%	39%	0.07%	
Jul	155,659	43%	5%	1%	11%	8%	9%	9%	0%	0%	20%	37%	0.03%	
Aug	169,402	31%	4%	1%	11%	4%	0%	9%	2%	0%	22%	47%	0.06%	
Sep	132,645	30%	5%	1%	13%	3%	0%	6%	2%	0%	18%	52%	0.16%	
Oct	127,292	35%	6%	2%	8%	5%	0%	11%	2%	0%	0%	65%	0.18%	
Nov	138,761	44%	7%	2%	12%	12%	0%	11%	0%	0%	0%	56%	0.03%	
Dec	155,027	65%	5%	2%	14%	8%	23%	12%	2%	0%	0%	35%	0.02%	
Totals	1,752,256	47%	6%	2%	13%	9%	6%	9%	1%	0%	5%	48%	0.06%	

Off-Peak	Energy Requirement MWh	PSNH Resource Subtotal	<u>Portion of Requirement Served by ...</u>											
			<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>	
2017														
Jan	170,015	55%	7%	2%	15%	10%	12%	9%	0%	0%	0%	45%	0.00%	
Feb	138,855	54%	7%	2%	13%	10%	12%	10%	0%	0%	0%	46%	0.08%	
Mar	147,135	51%	7%	3%	17%	12%	2%	10%	0%	0%	0%	49%	0.00%	
Apr	128,861	48%	11%	2%	15%	18%	0%	2%	0%	0%	0%	52%	0.03%	
May	119,057	69%	12%	2%	22%	20%	1%	12%	0%	0%	0%	31%	0.03%	
Jun	128,301	63%	9%	2%	19%	14%	5%	12%	2%	0%	0%	37%	0.00%	
Jul	164,174	46%	6%	1%	15%	10%	4%	11%	0%	0%	0%	54%	0.01%	
Aug	133,549	39%	5%	1%	15%	6%	0%	11%	0%	0%	0%	61%	0.00%	
Sep	133,443	32%	6%	2%	17%	4%	0%	4%	0%	0%	0%	68%	0.03%	
Oct	117,861	43%	7%	3%	13%	6%	0%	14%	1%	0%	0%	57%	0.02%	
Nov	133,289	57%	9%	2%	15%	14%	4%	13%	0%	0%	0%	43%	0.00%	
Dec	178,148	66%	6%	1%	16%	9%	21%	12%	0%	0%	0%	34%	0.07%	
Totals	1,692,688	52%	8%	2%	16%	11%	6%	10%	0%	0%	0%	48%	0.02%	

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 - 2017

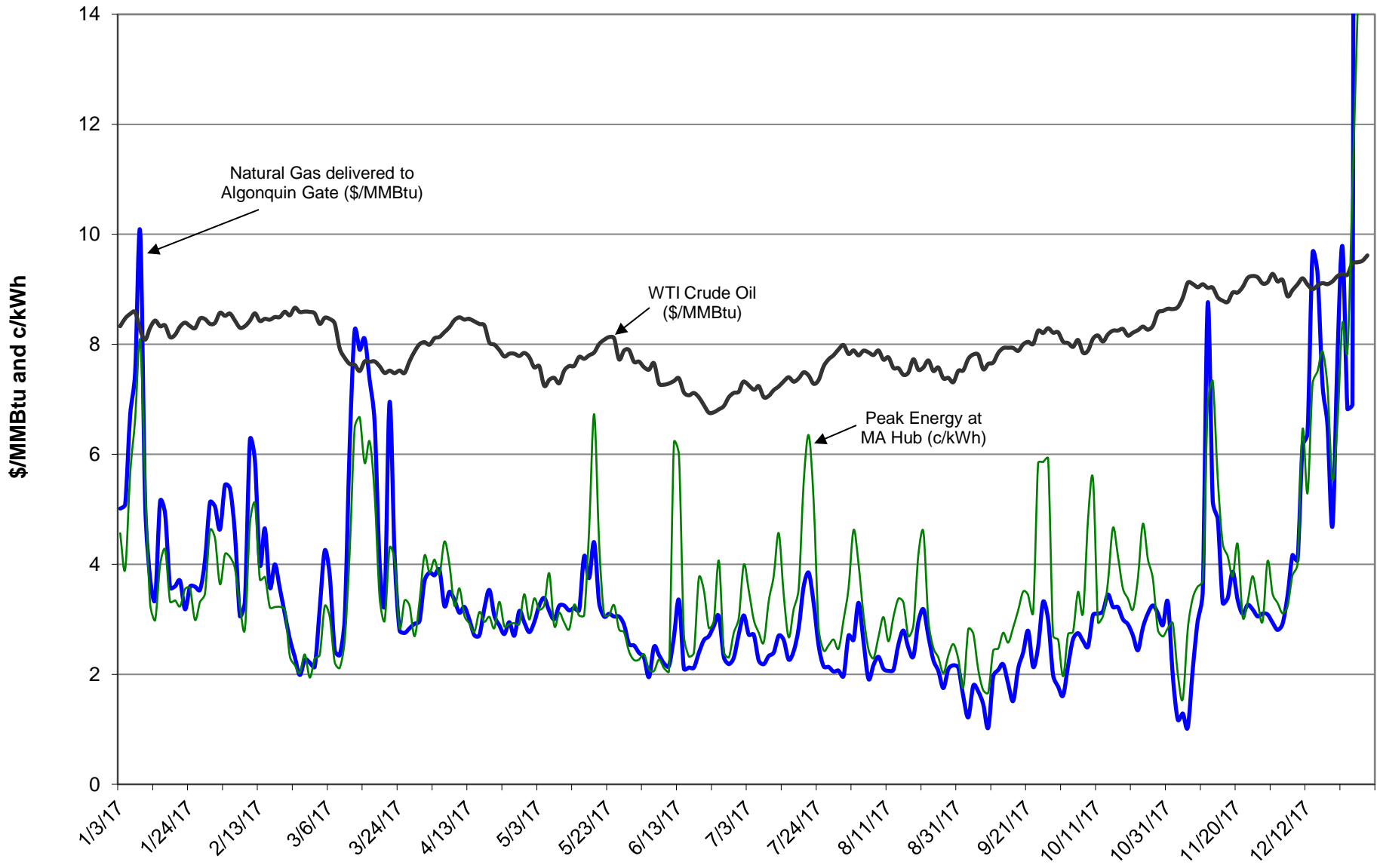
Peak

2017	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	90,686	3,933	43.37	1,803	120	66.53
Feb	0	0	0.00	67,785	2,436	35.94	4,412	95	21.54
Mar	0	0	0.00	79,997	3,325	41.56	0	0	0.00
Apr	0	0	0.00	69,376	2,614	37.68	0	0	0.00
May	0	0	0.00	45,050	1,947	43.22	8,270	66	8.00
Jun	0	0	0.00	60,215	2,308	38.32	2,386	2	0.88
Jul	32,000	1,246	38.95	58,089	2,250	38.74	2,122	128	60.39
Aug	36,800	1,430	38.85	80,323	2,890	35.98	1,865	8	4.36
Sep	24,000	805	33.55	69,198	2,816	40.69	0	0	0.00
Oct	0	0	0.00	82,560	3,169	38.39	0	0	0.00
Nov	0	0	0.00	77,313	3,259	42.16	0	0	0.00
Dec	0	0	0.00	53,766	3,013	56.04	12,436	1,175	94.46
Totals	92,800	3,481	37.51	834,358	33,960	40.70	33,295	1,594	47.88

Off-Peak

2017	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	76,996	2,841	36.90	5,735	360	62.70
Feb	0	0	0.00	63,350	1,805	28.48	1,673	64	38.38
Mar	0	0	0.00	71,409	2,890	40.47	0	0	0.00
Apr	0	0	0.00	66,874	2,276	34.04	0	0	0.00
May	0	0	0.00	36,625	1,555	42.45	121	(7)	(54.08)
Jun	0	0	0.00	47,844	1,504	31.44	4,346	(47)	(10.87)
Jul	0	0	0.00	87,880	2,312	26.31	956	19	20.13
Aug	0	0	0.00	81,594	1,949	23.89	535	3	5.33
Sep	0	0	0.00	90,469	2,092	23.13	0	0	0.00
Oct	0	0	0.00	67,253	1,989	29.57	43	(9)	(218.35)
Nov	0	0	0.00	57,299	1,801	31.43	1,692	94	55.27
Dec	0	0	0.00	60,724	3,107	51.17	16,503	2,156	130.65
Totals	0	0	0.00	808,316	26,122	32.32	31,606	2,632	83.28

Attachment FBW-4
Daily Prices (Natural Gas, Crude Oil, Day-Ahead Peak Energy) - 2017



Attachment FBW-5
Summary of PSNH Capacity Position - 2017

	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>2017</u>	<u>MW</u>	<u>%</u>	<u>MW</u>	<u>\$(000)</u>	<u>MW</u>	<u>\$(000)</u>	<u>\$(000)</u>
Jan	34,837	2.95%	1,028	2,911	1,374	3,843	(933)
Feb	34,837	2.94%	1,023	2,939	1,374	3,893	(954)
Mar	34,837	2.91%	1,015	2,934	1,362	3,912	(979)
Apr	34,832	2.90%	1,009	2,868	1,374	3,855	(987)
May	34,832	2.88%	1,005	2,859	1,374	3,863	(1,004)
Jun	34,802	2.96%	1,029	7,697	1,350	9,192	(1,495)
Jul	34,802	2.96%	1,030	7,678	1,350	9,188	(1,509)
Aug	34,802	2.95%	1,028	7,661	1,350	9,187	(1,526)
Sep	34,802	2.95%	1,028	7,897	1,350	9,610	(1,713)
Oct	35,105	2.97%	1,043	8,034	1,375	9,777	(1,743)
Nov	35,105	2.96%	1,038	7,882	1,356	9,600	(1,718)
Dec	35,138	3.00%	1,053	8,012	1,356	9,602	(1,590)
Totals	418,729	2.94%	12,329	69,371	16,342	85,521	(16,150)

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