



To: Peter Lukes

From: Barry Tupper

Date: February 7, 2022

Subject: HMLD Monthly Report – December 2021

## **Power Supply**

### **ENERGY**

The HMLD's total metered load for the month of December 2021 was 9,890,246 kWhs, which is a 2.7% decrease from the December 2020 figures. HMLD's load is up approximately 1.2% year to date.

Table 1 is a breakdown by source of the energy purchases.

**Table 1**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	663,493	\$6.59	6.71%	\$4,375	1.36%
Seabrook	3,687,856	\$4.52	37.29%	\$16,687	5.20%
Stonybrook Intermediate	0	\$0.00	0.00%	\$0	0.00%
System Power Purchases	2,228,000	\$38.93	22.53%	\$86,734	27.01%
NYP&A	694,300	\$4.92	7.02%	\$3,416	1.06%
ISO Interchange	1,589,420	\$99.96	16.07%	\$158,882	49.48%
Hydro Projects*	566,925	\$69.74	5.73%	\$39,537	12.31%
Hancock/Berkshire Wind	460,808	\$24.94	4.66%	\$11,495	3.58%
Stonybrook Peaking	0	\$0.00	0.00%	\$0	0.00%
Monthly Total	9,890,802	\$32.47	100.00%	\$321,126	100.00%

*\*Eagle Creek, Gregg's Falls, Pembroke, River Bend, Clement Dam, Bow St., New Barre, South Barre, Powdermill Hydros*



**Table 1**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	656,871	\$6.59	6.59%	\$4,332	1.69%
Seabrook	3,679,631	\$4.65	36.93%	\$17,110	6.68%
Stonybrook Intermediate	351,179	\$36.89	3.52%	\$12,956	5.06%
System Power Purchases	2,736,000	\$35.20	27.46%	\$96,309	37.60%
NYP&A	533,600	\$4.92	5.36%	\$2,625	1.03%
ISO Interchange	907,340	\$81.53	9.11%	\$73,971	28.88%
Hydro Projects*	843,899	\$50.33	8.47%	\$42,477	16.58%
Hancock/Berkshire Wind	249,570	\$23.70	2.51%	\$5,916	2.31%
Stonybrook Peaking	4,452	\$95.83	0.04%	\$427	0.17%
Monthly Total	9,962,542	\$25.71	100.00%	\$256,123	100.00%

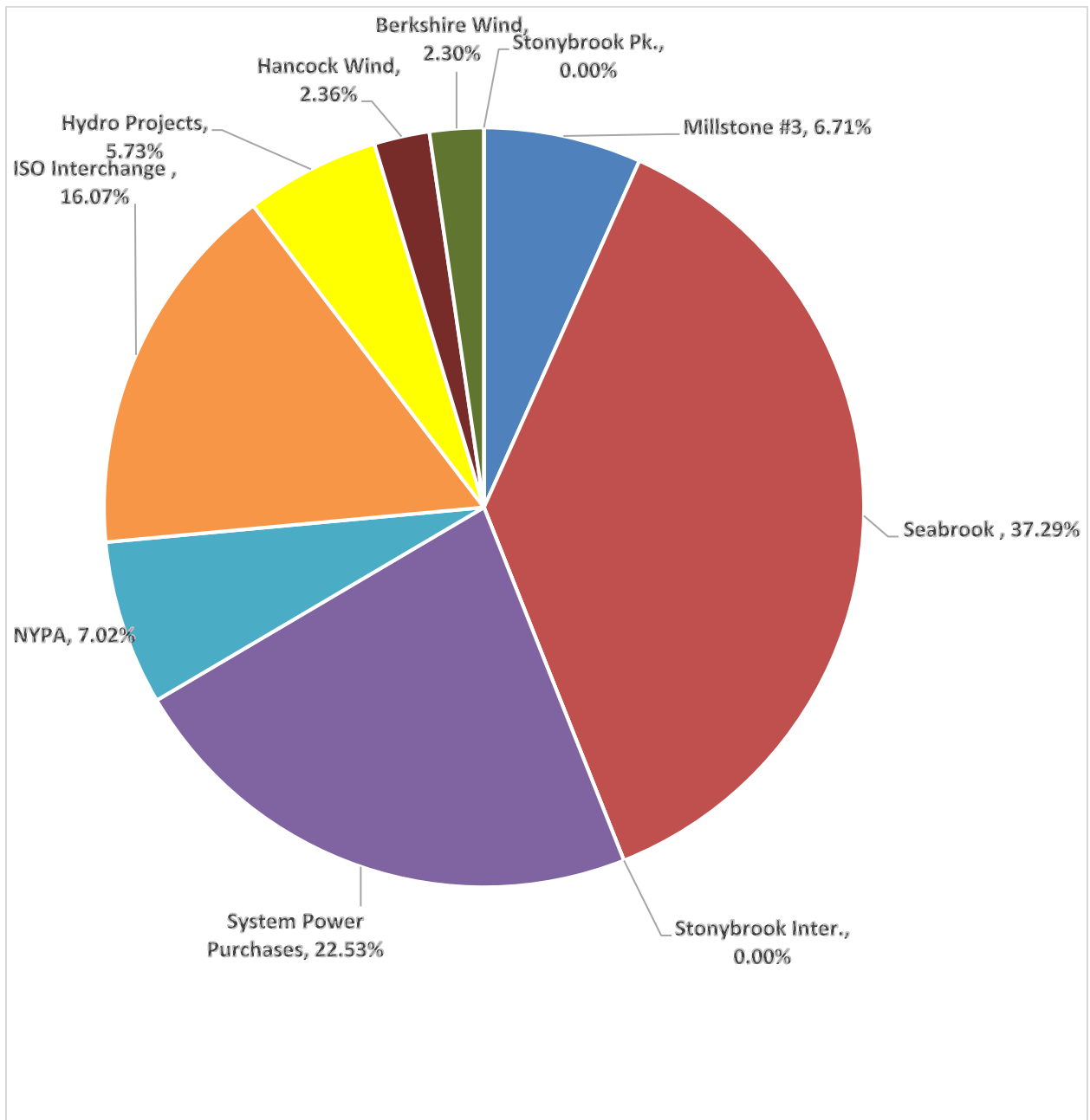
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*\*Eagle Creek, Gregg's Falls, Pembroke, River Bend, Clement Dam, Bow St., New Barre, South Barre, Powdermill Hydros*

## **December 2021 ENERGY BY RESOURCE**





## **CAPACITY**

The HMLD hit a demand of 19,195 kW, which occurred on December 20, at 6 pm. The HMLD's monthly UCAP requirement for December 2021 was 35,586 kW.

Table 3 shows the sources of capacity that the HMLD utilized to meet its requirements.

**Table 3**

<b>Source</b>	<b>Amount (kW)</b>	<b>Cost (\$/kW- month)</b>	<b>Total Cost \$</b>	<b>% of Total Cost</b>
Millstone #3	889	23.19	\$20,619	8.37%
Seabrook	4,950	16.00	\$79,193	32.13%
Stonybrook Peaking	4,096	2.31	\$9,473	3.84%
Stonybrook CC	6,735	3.81	\$25,643	10.40%
NYPA	1,034	4.71	\$4,871	1.98%
Hydro Quebec	0	0.00	\$2,042	0.83%
Berkshire Wind	122	260.96	\$31,837	12.92%
ISO-NE Supply Auction	17,760	4.10	\$72,787	29.53%
<b>Total</b>	<b>35,586</b>	<b>6.93</b>	<b>\$246,466</b>	<b>100.00%</b>

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<b>Source</b>	<b>Amount (kW)</b>	<b>Cost (\$/kW- month)</b>	<b>Total Cost \$</b>	<b>% of Total Cost</b>
Millstone #3	889	23.14	\$20,576	8.14%
Seabrook	4,950	16.00	\$79,204	31.33%
Stonybrook Peaking	4,096	2.29	\$9,373	3.71%
Stonybrook CC	6,735	3.79	\$25,536	10.10%
NYPA	1,034	4.76	\$4,925	1.95%
Hydro Quebec	0	0.00	\$530	0.21%
Berkshire Wind	122	311.23	\$37,970	15.02%
ISO-NE Supply Auction	17,760	4.21	\$74,691	29.55%



Total	35,586	7.10	\$252,804	100.00%
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## **TRANSMISSION**

The HMLD's total transmission costs for the month of December 2021, were \$312,203

## **Rebates**

MMWEC's HELP program completed 5 residential home energy audits during the month of December 2021. Additionally, HMLD issued \$840 in appliance rebates, \$1,600 in Cool Home rebates, \$0 for Wi-Fi Thermostats and \$1,882 for Home Efficiency Incentive Rebates (HEI). Cool Home rebates include rebates for high efficiency central A/C and Heat Pumps and HEI rebates are for energy star heating systems, duct sealing, blower door tests, and insulation.

## **Past Due Balances**

The table reflects the past due balances for electric billings as of December 2021.

Description	60 days	90 days	90 + days	Total
Billings – Electric	\$13,516	\$6,185	\$20,110	\$39,811
			Balance 1 year ago:	\$101,833

## **Outages**

During the month of December 2021, there were 4 outages. The table below indicates the date of occurrence, the location, cause, time & duration as well as the number of customers affected.

General Information				Cause		Time & Duration				Customers	
#	Date	S/U	Address/Location	Description	#	Ints	T off	T on	Mins	# Out	Cust Min
1	12/2/2021	U	Boyden/Phillips Rd	Broken Tap Wire	1	1	12/2/21 9:45 PM	12/2/21 10:45 PM	60	8	480
2	12/7/2021	U	Doyle Rd	Squirrel	4	1	12/7/21 8:15 AM	12/7/21 9:15 AM	60	42	2520
3	12/11/2021	U	Malden Chapel Area	Lightning Strike	3	1	12/11/21 11:00 AM	12/11/21 1:00 PM	120	150	18000
4	12/12/2021	U	Malden St	Tree	5	1	12/12/21 9:00 AM	12/12/21 11:00 AM	120	1	120



## **Sales**

Description	December, 2021	December, 2020	Variance	%
Metered Load	9,890,246	10,168,110	(277,864)	(2.7%)
Billings – kWh sales	9,006,461	8,198,201	(808,260)	(9.9 %)
Billings – Electric Sales	\$1,274,064	\$1,168,613	\$105,451	9.0%
Accounts Billed	8,286	8,237	49	0.6%

## **Financial**

See Attachments