




To: Peter Lukes
From: Jane Parenteau 
Date: November 15, 2019
Subject: HMLD Monthly Report – July, 2019

Power Supply

ENERGY

The HMLD's total metered load for the month of July, 2019 was 10,952,951 kWhs, which is a 4.3% decrease from the July, 2018 figures. HMLD's load is down approximately 1.9% year to date.

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

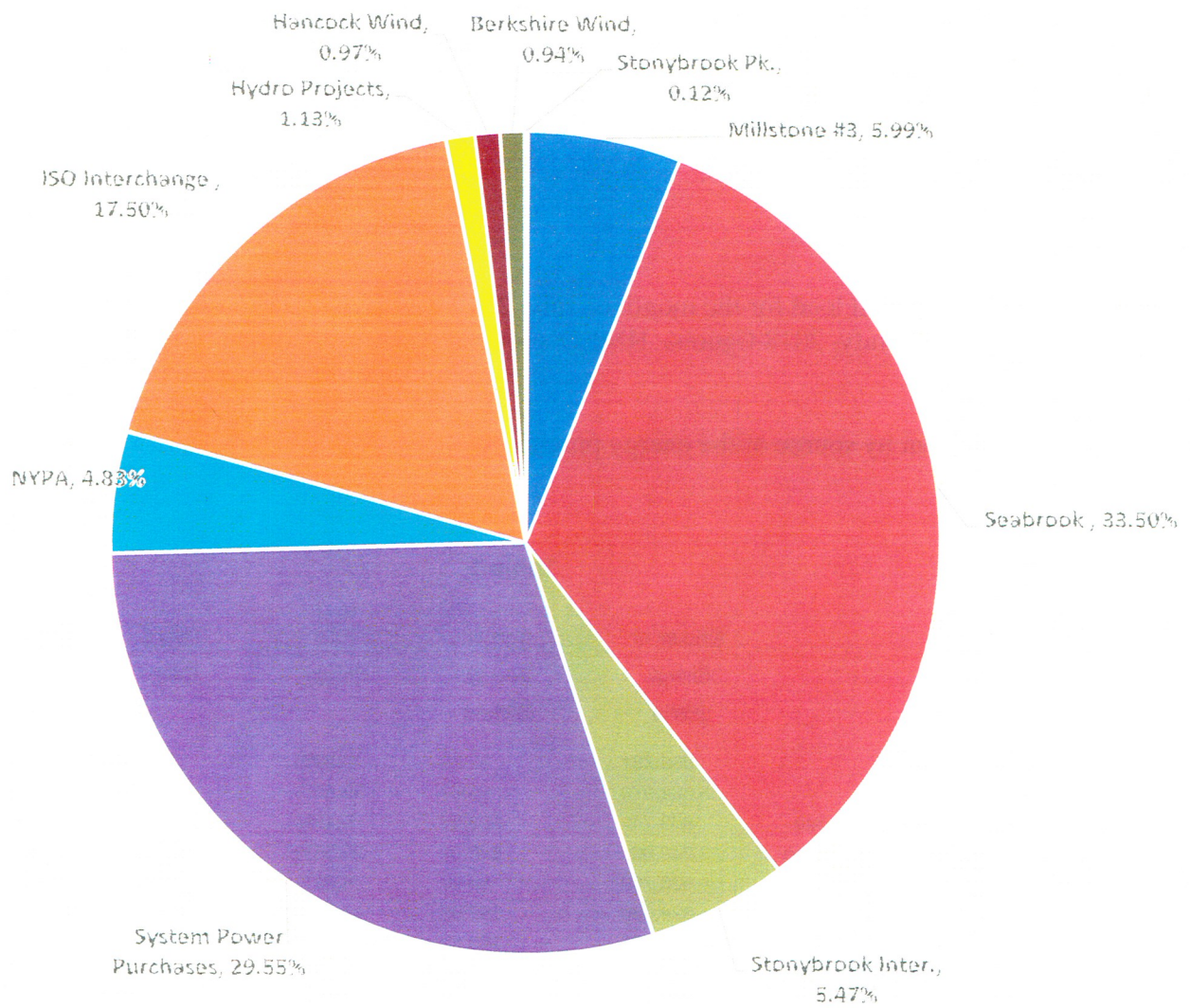
Table 1

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	658,731	\$6.23	5.99%	\$4,102	1.39%
Seabrook	3,681,970	\$5.27	33.50%	\$19,412	6.59%
Stonybrook Intermediate	600,742	\$23.57	5.47%	\$14,159	4.80%
System Power Purchases	3,248,000	\$48.01	29.55%	\$155,935	52.90%
NYPA	530,760	\$4.97	4.83%	\$2,637	0.89%
ISO Interchange	1,924,060	\$42.56	17.50%	\$81,897	27.78%
Hydro Projects*	123,787	\$65.62	1.13%	\$8,123	2.76%
Hancock/Berkshire Wind	210,623	\$27.91	1.92%	\$5,879	1.99%
Stonybrook Peaking	13,587	\$193.59	0.12%	\$2,630	0.89%
Monthly Total	10,992,260	\$26.82	100.00%	\$294,776	100.00%

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



July 2019 ENERGY BY RESOURCE





CAPACITY

The HMLD hit a demand of 22,479 kW, which occurred on July 30, at 6 pm. The HMLD's monthly UCAP requirement for July 2019 was 36,070 kW.

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

Table 3

Source	Amount (kW)	Cost (\$/kW- month)	Total Cost \$	% of Total Cost
Millstone #3	921	20.55	\$18,929	5.96%
Seabrook	4,949	20.58	\$101,875	32.08%
Stonybrook Peaking	4,094	2.18	\$8,915	2.81%
Stonybrook CC	6,733	3.66	\$24,663	7.77%
NYPA	1,034	4.50	\$4,652	1.46%
Hydro Quebec	0	0.00	\$3,532	1.11%
Berkshire Wind	122	296.25	\$36,143	11.38%
ISO-NE Supply Auction	18,217	6.53	\$118,879	37.43%
Total	36,070	8.80	\$317,588	100.00%



TRANSMISSION

The HMLD's total transmission costs for the month of July 2019, were \$217,350

Rebates

MMWEC's HELP program completed 10 residential home energy audits during the month of July, 2019. Additionally, HMLD issued \$0 for Wi-Fi thermostats rebates, \$490 for appliance rebates, \$750 in Cool Homes rebates, and \$500 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 July, 2019.

Description	60 days	90 days	90 + days	Total
Billings – Electric	\$3,851	\$2,365	\$6,521	\$12,737

Outages

During the month of July, 2019, there were 12 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		#	Ints	T Off	T on	Mins	# Out	Cust Min
1	7/2/2019	U	Moy Ranch Reservoir St	Lightening Strike	3	1	7/2/2019 8:25	7/2/2019 9:00	35	1	35
2	7/5/2019	U	Briardcliff Brentwood & Fairhill	Broken Cutout	1	1	7/5/2019 6:00	7/5/2019 7:30	90	60	5400
3	7/6/2019	U	Multiple Res,Bailey,Chapin,Winter ext	Lightening Storm	4	1	7/6/2019 17:00	7/7/2019 0:00	420	100	42000
4	7/6/2019	U	Pole on Winfield Rd	Tree took down Pole	5	1	7/6/2019 6:00	7/6/2019 11:30	330	1	330
5	7/7/2019	U	210 Bailey Rd	branches on secondary bushing	5	1	7/7/2019 0:15	7/7/2019 1:30	75	2	150
6	7/12/2019	U	Holden Hills 1818 Main St	Transformer Fuse blown overgrowth	5	1	7/12/2019 6:30	7/12/2019 7:00	30	1	30
7	7/14/2019	U	456 Main St	Dead Bird	4	1	7/14/2019 14:45	7/14/2019 15:30	45	4	180
8	7/17/2019	U	Reservoir South Paxton	Lightening Storm	4	1	7/17/2019 17:00	7/17/2019 18:15	75	500	37500
9	7/20/2019	U	Autumn,January,Winter Hill	Under Fused	1	1	7/20/2019 18:30	7/20/2019 20:30	120	50	6000
10	7/27/2019	U	Nottingham Dr. Wachusett St	Bad Primary Switch in Transformer	1	1	7/27/2019 10:00	7/27/2019 13:00	180	14	2520
11	7/27/2019	U	Nottingham Dr. Wachusett St	Bad Primary Switch in Transformer	1	1	7/27/2019 13:30	7/27/2019 14:30	60	4	240
12	7/31/2019	U	Colonial Dr	Connectors Half Power	1	1	7/31/2019 19:30	7/31/2019 21:00	90	1	90



Sales

Description	July, 2019	July, 2018	Variance	%
Metered Load	10,952,951	11,444,758	(491,807)	(4.3)%
Billings – kWh sales	8,705,415	9,478,246	(772,831)	(8.2)%
Billings – Electric Sales	\$1,237,026	\$1,334,194	\$(97,168)	(7.3)%
Accounts Billed	8,242	8,179	63	0.8%

Financial

Summary Financial Results (Unaudited)
YTD vs Budget
For the 6 Months Ending July 30, 2019

	YTD	Budget	Variance
Operating Revenue	7,800,815	7,959,720	(158,905)
Power Expense	5,658,359	6,011,283	(352,924)
Dist. Expense	365,568	443,744	(78,176)
Cust. Expense	189,802	186,795	3,007
A&G Expense	1,113,375	1,123,192	(9,817)
Depreciation Exp	492,358	498,752	(6,394)
Net Oper Income	(18,647)	(304,046)	285,399
Other Inc.	102,274	105,000	(2,726)
Net Income	83,627	(199,046)	282,672

Operations Update

- Completed installation of new conductor on Reservoir St. Working on sagging lines and transferring attachments
- Continue re-conductoring Valley Hill, Terrie Ln and Greenwood Parkway
- Continue to remove old double poles throughout various areas in town



- ROW and road way /canopy trimming of Shrewsbury St.
Continue ROW trimming South Main St. 3 phase from Newell Rd to Adams Rd
ROW trimming at Val's plaza
- Awaiting EPA grant to help pay for the new truck 25(Service Bucket Truck)
- Continue to convert all Main St decorative lights to LED
- Replacement regulators have arrived, were tested and installed at Bullard sub today
- Major Outages:
 - 03:21 hrs on Tuesday August 20th 2019
 - Due to unknown fault on between A&C phase on 34 North feeder circuit the breaker operated and locked open. The C phase relay had a catastrophic failure which would not allow the breaker to close back in. We were able to bypass the relay and restore power to the circuit. A new re-lay was installed this morning.
- Personal:
 - John Harris re-evaluated Aug 29th.
 - Bryan Diehl started on Monday 8/19 (Forestry Apprentice)