To: Peter Lukes

From: Jane Parenteau

Date: September 20, 2021

Subject: HMLD Monthly Report – July 2021

**Power Supply**

**ENERGY**

The HMLD’s total metered load for the month of July 2021 was 9,962,052 kWhs, which is a 14.2% decrease from the July 2020 figures. HMLD’s load is up approximately 1.7% year to date.

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Table 1** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  | Amount of  |  | Cost of  |  | % of Total |  | Total $ | $ as a  |  |
|  | Resource | Energy  |  | Energy  |  | Energy |  | Costs |  % |  |
|  |  | (kWh) |  | ($/Mwh)  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | 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% |  |
|  | NYPA | 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% |  |
|  |  |   |  |   |  |   |  |   |   |  |
| ***\*Eagle Creek, Gregg's Falls, Pembroke, River Bend, Clement Dam, Bow St., New Barre, South Barre, Powdermill Hydros*** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Table 1** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  | Amount of  |  | Cost of  |  | % of Total |  | Total $ | $ as a  |  |
|  | Resource | Energy  |  | Energy  |  | Energy |  | Costs |  % |  |
|  |  | (kWh) |  | ($/Mwh)  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | 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% |  |
|  | NYPA | 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% |  |
|  |  |   |  |   |  |   |  |   |   |  |
| ***\*Eagle Creek, Gregg's Falls, Pembroke, River Bend, Clement Dam, Bow St., New Barre, South Barre, Powdermill Hydros*** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Table 1** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  | Amount of  |  | Cost of  |  | % of Total |  | Total $ | $ as a  |  |
|  | Resource | Energy  |  | Energy  |  | Energy |  | Costs |  % |  |
|  |  | (kWh) |  | ($/Mwh)  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | 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% |  |
|  | NYPA | 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% |  |
|  |  |   |  |   |  |   |  |   |   |  |
| ***\*Eagle Creek, Gregg's Falls, Pembroke, River Bend, Clement Dam, Bow St., New Barre, South Barre, Powdermill Hydros*** |

**July 2021 ENERGY BY RESOURCE**

**CAPACITY**

The HMLD hit a demand of 22,709 kW, which occurred on July 16, at 2 pm. The HMLD’s monthly UCAP requirement for July 2021 was 35,586 kWs.

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Table 3** |  |  |  |
|  |  |  |  |  |  |  |  |
| **Source** |  | **Amount (kWs)** |  | **Cost ($/kW-month)** |  |  **Total Cost $** | **% of Total Cost** |
|  |  |  |  |  |  |  |  |
| Millstone #3 |  | 921  |  | 20.63 |  | $18,997 | 6.11% |
| Seabrook |  | 4,949  |  | 20.59 |  | $101,921 | 32.78% |
| Stonybrook Peaking | 4,094  |  | 1.97 |  | $8,049 | 2.59% |
| Stonybrook CC | 6,733  |  | 3.49 |  | $23,469 | 7.55% |
| NYPA |  | 1,034  |  | 4.46 |  | $4,610 | 1.48% |
| Hydro Quebec | 0  |  | 0.00 |  | $3,238 | 1.04% |
| Berkshire Wind | 122  |  | 281.28 |  | $34,317 | 11.04% |
| ISO-NE Supply Auction | 18,217  |  | 6.39 |  | $116,329 | 37.41% |
|  |  |  |  |  |  |  |  |
| Total |  | 36,070  |  | 8.62 |  | $310,930 | 100.00% |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Table 3** |  |  |  |
|  |  |  |  |  |  |  |  |
| **Source** |  | **Amount (kWs)** |  | **Cost ($/kW-month)** |  |  **Total Cost $** | **% of Total Cost** |
|  |  |  |  |  |  |  |  |
| 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% |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Table 3** |  |  |  |
|  |  |  |  |  |  |  |  |
| **Source** |  | **Amount (kWs)** |  | **Cost ($/kW-month)** |  |  **Total Cost $** | **% of Total Cost** |
|  |  |  |  |  |  |  |  |
| 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% |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

**TRANSMISSION**

The HMLD’s total transmission costs for the month of July 2021, were $368,453

**Rebates**

MMWEC’s HELP program completed 6 residential home energy audits during the month of July 2021. Additionally, HMLD issued $340 in appliance rebates, $2,600 in Cool Home rebates, $249.50 for Wi-Fi Thermostats 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 2021.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **60 days** | **90 days** | **90 + days** | **Total** |
| Billings – Electric | $9,175 | $6,849 | $33,019 | $49,043 |
|  |  |  | Balance 1 year ago:  | $83,387 |

**Outages**

During the month of July 2021, there were 19 outages. The table below indicates the date of oc­currence, the location, cause, time & duration as well as the number of customers affected.

 

**Sales**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | July, 2021 | July, 2020 | Variance | % |
| Metered Load | 9,962,052 | 11,612,173 | (1,650,121) | (14.2%) |
| Billings – kWh sales | 10,175,215 | 10,771,505 | (596,290) | (5.5 %) |
| Billings – Electric Sales | $1,421,387  | $1,487,380  | ($65,993) | (4.4%) |
| Accounts Billed | 8,294 | 8,240 | 54 | 0.7% |

**Financial**

See Attachments