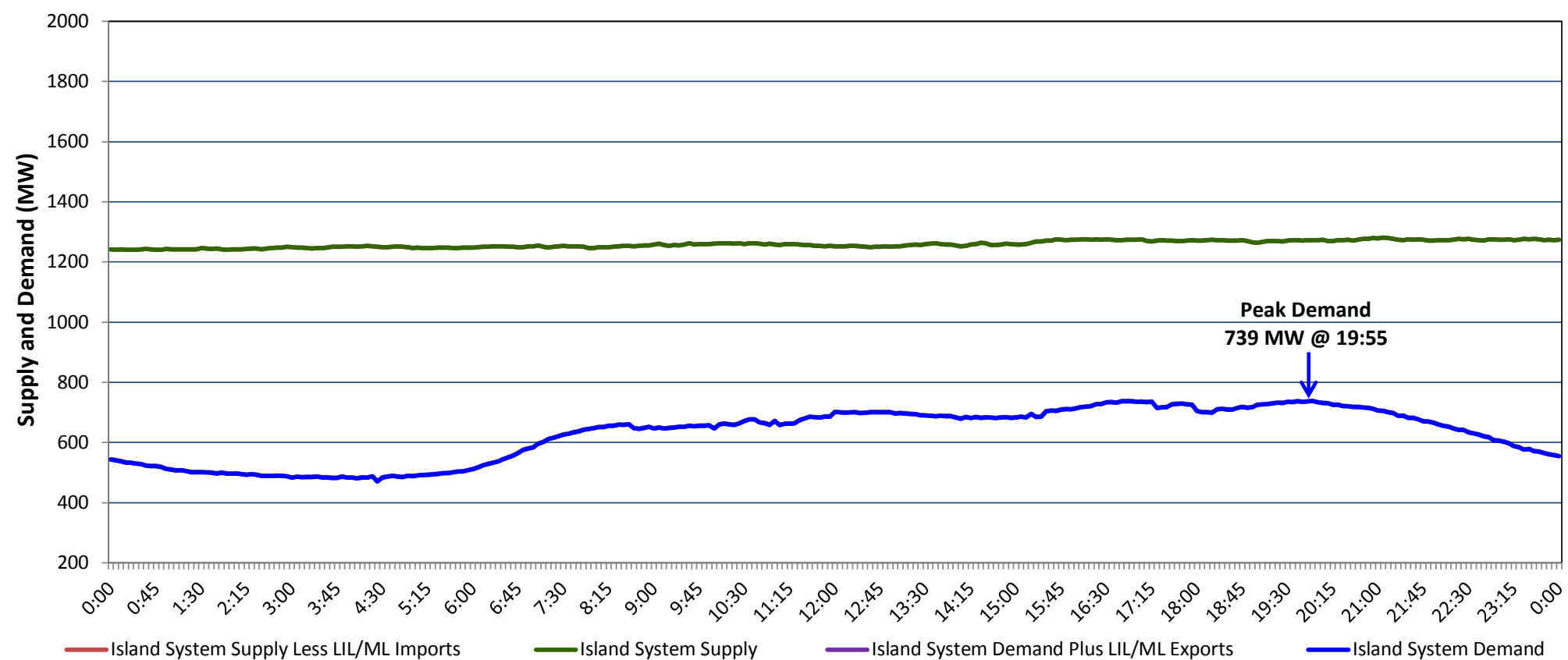


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, October 01, 2020**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, September 30, 2020**



**Supply Notes For September 30, 2020**

- 1,2
- A As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW).
  - B As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW).
  - C As of 1811 hours, September 02, 2020, Holyrood Unit 1 available but not operating (170 MW).
  - D As of 1748 hours, September 13, 2020, Bay d'Espoir Unit 7 unavailable due to planned outage (154.4 MW).
  - E As of 0705 hours, September 22, 2020, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
  - F As of 0734 hours, September 27, 2020, Hinds Lake Unit unavailable due to planned outage (75 MW).

**Section 2  
Island Interconnected Supply and Demand**

| Thu, Oct 01, 2020                            | Island System Outlook <sup>3</sup> | Seven-Day Forecast          | Temperature (°C) |         | Island System Daily Peak Demand (MW) |                       |
|--|------------------------------------|-----------------------------|------------------|---------|--------------------------------------|-----------------------|
|  |                                    |                             | Morning          | Evening | Forecast                             | Adjusted <sup>7</sup> |
| Available Island System Supply: <sup>5</sup> | 1,295 MW                           | Thursday, October 01, 2020  | 21               | 17      | 730                                  | 730                   |
| NLH Island Generation: <sup>4</sup>          | 925 MW                             | Friday, October 02, 2020    | 14               | 16      | 720                                  | 720                   |
| NLH Island Power Purchases: <sup>6</sup>     | 140 MW                             | Saturday, October 03, 2020  | 19               | 17      | 700                                  | 700                   |
| Other Island Generation:                     | 230 MW                             | Sunday, October 04, 2020    | 10               | 8       | 795                                  | 795                   |
| ML/LIL Imports:                              | - MW                               | Monday, October 05, 2020    | 9                | 7       | 865                                  | 865                   |
| Current St. John's Temperature & Windchill:  | 21 °C                              | Tuesday, October 06, 2020   | 8                | 7       | 850                                  | 850                   |
| 7-Day Island Peak Demand Forecast:           | 920 MW                             | Wednesday, October 07, 2020 | 6                | 9       | 920                                  | 920                   |

**Supply Notes For October 01, 2020**

- 3
- Notes:
1. Generation outages for running and corrective maintenance are included. These are not unusual for power system operations. They generally do not impact customer supply. The power system operators schedule outages to system equipment whenever possible to coincide with periods when customer demands are low and sufficient supply reserves are available. However, from time to time equipment outages are necessary and reserves may be impacted.
  2. Due to the Island system having no synchronous connections to the larger North American grid, when there is a sudden loss of large generating units there may be a requirement for some customer's load to be interrupted for short periods to bring generation output equal to customer demand. This automatic action of power system protection, referred to as under frequency load shedding (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
  3. As of 0800 Hours.
  4. Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  5. Gross output from all Island sources (including Note 4).
  6. NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
  7. Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

**Section 3  
Island Peak Demand Information  
Previous Day Actual Peak and Current Day Forecast Peak**

|                   |  |       |        |
|-------------------|--|-------|--------|
| Wed, Sep 30, 2020 | Actual Island Peak Demand <sup>8</sup> | 19:55 | 739 MW |
| Thu, Oct 01, 2020 | Forecast Island Peak Demand            |       | 730 MW |

- Notes: 8. Island Demand / LIL / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).