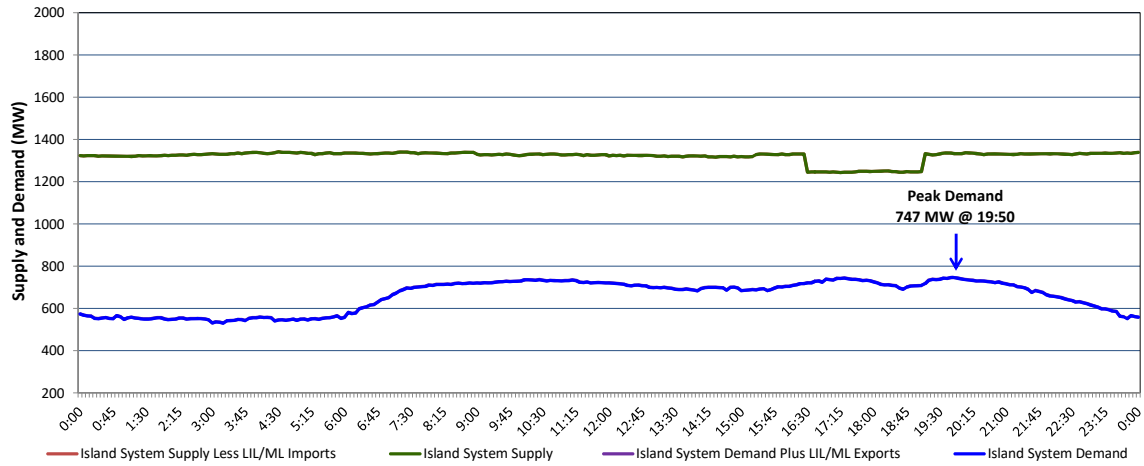


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, September 24, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, September 23, 2020**



Supply Notes For September 23, 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 **At 0900 hours, September 23, 2020, Holyrood Diesels unavailable due to a planned outage (10 MW).**
- G **At 1519 hours, September 23, 2020, Holyrood Diesels available (10 MW).**
- H **At 1626 hours, September 23, 2020, Upper Salmon unavailable (84 MW).**
- I **At 1905 hours, September 23, 2020, Upper Salmon available (84 MW).**

**Section 2
Island Interconnected Supply and Demand**

| Thu, Sep 24, 2020 | Island System Outlook ³ | Seven-Day Forecast | Temperature (°C) | | Island System Daily Peak Demand (MW) | |
|--|------------------------------------|-------------------------------|------------------|---------|--------------------------------------|-----------------------|
| | | | Morning | Evening | Forecast | Adjusted ⁷ |
| Available Island System Supply: ⁵ | 1,360 MW | Thursday, September 24, 2020 | 14 | 15 | 755 | 755 |
| NLH Island Generation: ⁴ | 1,000 MW | Friday, September 25, 2020 | 13 | 11 | 755 | 755 |
| NLH Island Power Purchases: ⁶ | 120 MW | Saturday, September 26, 2020 | 10 | 12 | 750 | 750 |
| Other Island Generation: | 240 MW | Sunday, September 27, 2020 | 15 | 17 | 720 | 720 |
| ML/LIL Imports: | - MW | Monday, September 28, 2020 | 17 | 17 | 760 | 760 |
| Current St. John's Temperature & Windchill: | 13 N/A °C | Tuesday, September 29, 2020 | 18 | 17 | 740 | 740 |
| 7-Day Island Peak Demand Forecast: | 760 MW | Wednesday, September 30, 2020 | 17 | 18 | 745 | 745 |

Supply Notes For September 24, 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 23, 2020 | Actual Island Peak Demand ⁸ | 19:50 | 747 MW |
| Thu, Sep 24, 2020 | Forecast Island Peak Demand | | 755 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).