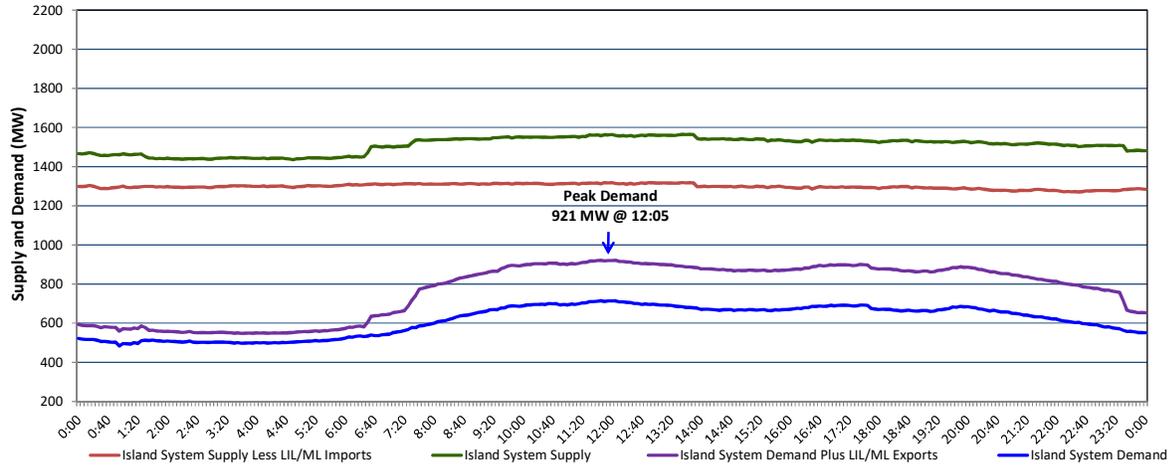


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, September 20, 2022**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Saturday, September 17, 2022**



Supply Notes For September 17, 2022

- A As of 0800 hours, June 08, 2022, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- B As of 0800 hours, July 31, 2022, Holyrood Unit 2 unavailable due to planned outage 150 MW (170 MW).
- C As of 1040 hours, August 27, 2022, Holyrood Unit 3 available but not operating (150 MW).
- D As of 1748 hours, September 11, 2022, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
- E As of 0814 hours, September 12, 2022, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
- F As of 0906 hours, September 15, 2022, Hinds Lake Unit unavailable due to planned outage 60 MW (75 MW).
- G At 1351 hours, September 17, 2022, Upper Salmon Unit available at 65 MW (84 MW).

**Section 2
Island Interconnected Supply and Demand**

| Sun, Sep 18, 2022 | 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 | 1,503 | MW | Sunday, September 18, 2022 | 13 | 11 | 980 | 980 |
| NLH Island Generation: ^{4,8} | 975 | MW | Monday, September 19, 2022 | 11 | 12 | 995 | 995 |
| NLH Island Power Purchases: ⁶ | 85 | MW | Tuesday, September 20, 2022 | 11 | 10 | 820 | 820 |
| Other Island Generation: | 220 | MW | Wednesday, September 21, 2022 | 11 | 12 | 790 | 790 |
| ML/LIL Imports: | 223 | MW | Thursday, September 22, 2022 | 16 | 15 | 735 | 735 |
| Current St. John's Temperature & Windchill: | 12 | N/A °C | Friday, September 23, 2022 | 15 | 16 | 755 | 755 |
| 7-Day Island Peak Demand Forecast: | 995 | MW | Saturday, September 24, 2022 | 9 | 9 | 870 | 870 |

Supply Notes For September 18, 2022

- Notes:
- 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.
 - 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.
 - As of 0800 Hours.
 - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 - Gross output from all Island sources (including Note 4).
 - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
 - Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.
 - Due to limitations inherent in the design of combustion turbines, the output of combustion turbines may be reduced in the event that ambient temperatures exceed the threshold required for full rated output. This threshold is dependent on the design of each turbine.

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

| | | | |
|-------------------|--|-------|--------|
| Sat, Sep 17, 2022 | Actual Island Peak Demand ⁹ | 12:05 | 921 MW |
| Sun, Sep 18, 2022 | Forecast Island Peak Demand | | 980 MW |

Notes: 9. 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).