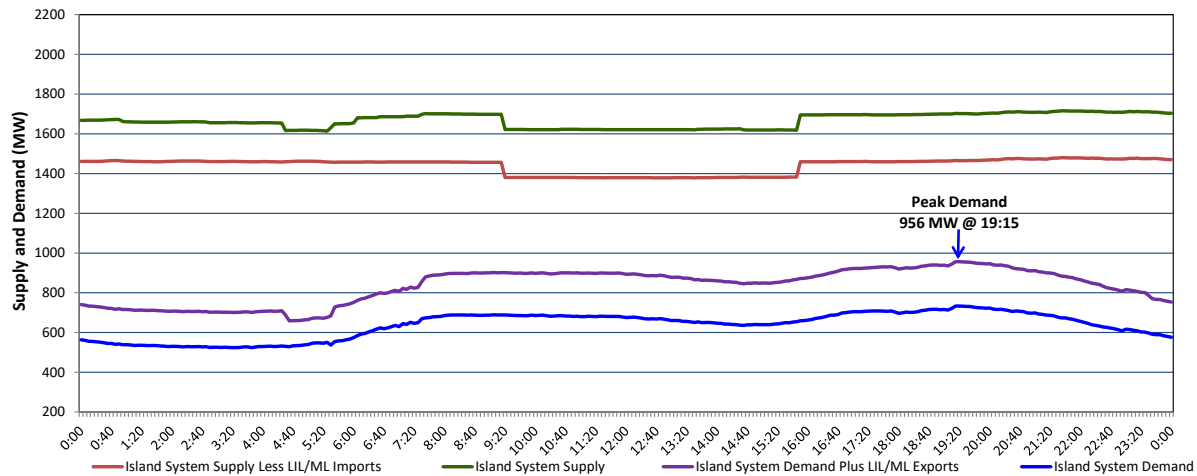


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, October 19, 2022**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, October 18, 2022**



**Supply Notes For October 18, 2022**

- A As of 0800 hours, July 31, 2022, Holyrood Unit 2 unavailable due to planned outage 150 MW (170 MW).
- B As of 1040 hours, August 27, 2022, Holyrood Unit 3 available but not operating (150 MW).
- C As of 1135 hours, October 05, 2022, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
- D As of 1628 hours, October 10, 2022, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
- E As of 2017 hours, October 11, 2022, Holyrood Unit 1 available at 150 MW (170 MW).
- F As of 1425 hours, October 17, 2022, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- G **At 0915 hours, October 18, 2022, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).**
- H **At 1550 hours, October 18, 2022, Bay d'Espoir Unit 6 available (76.5 MW).**

**Section 2  
Island Interconnected Supply and Demand**

Wed, Oct 19, 2022	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>	1,722 MW	Wednesday, October 19, 2022	13	12	1,005	1,005
NLH Island Generation: <sup>4,8</sup>	1,150 MW	Thursday, October 20, 2022	13	15	830	830
NLH Island Power Purchases: <sup>6</sup>	110 MW	Friday, October 21, 2022	13	10	810	810
Other Island Generation:	210 MW	Saturday, October 22, 2022	10	11	770	770
ML/LIL Imports:	252 MW	Sunday, October 23, 2022	11	11	790	790
Current St. John's Temperature & Windchill:	11 °C	Monday, October 24, 2022	8	8	880	880
7-Day Island Peak Demand Forecast:	1,005 MW	Tuesday, October 25, 2022	11	11	835	835

**Supply Notes For October 19, 2022**

- 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.
  8. 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.

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

Tue, Oct 18, 2022	Actual Island Peak Demand <sup>9</sup>	19:15	956 MW
Wed, Oct 19, 2022	Forecast Island Peak Demand		1,005 MW

Notes: <sup>9</sup> 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).