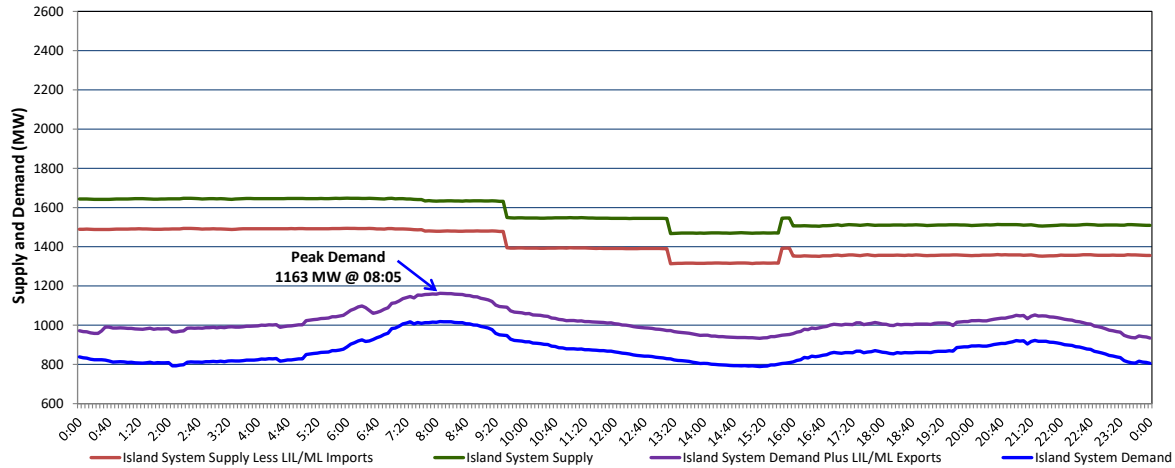


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, May 04, 2022**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, May 03, 2022**



**Supply Notes For May 03, 2022**

- A As of 0857 hours, April 04, 2022, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0813 hours, April 19, 2022, Holyrood Unit 2 returned to service 150 MW (170 MW).
- C As of 1210 hours, April 22, 2022, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- D As of 2107 hours, April 26, 2022, Holyrood Unit 1 available but not operating (170 MW).
- E As of 0908 hours, May 01, 2022, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- F At 0934 hours, May 03, 2022, Upper Salmon Unit unavailable due to planned outage (84 MW).
- G At 1313 hours, May 03, 2022, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- H At 1545 hours, May 03, 2022, Bay d'Espoir Unit 5 available (76.5 MW).
- I At 1558 hours, May 03, 2022, Granite Canal Unit unavailable (40 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, May 04, 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>	1,514	MW	Wednesday, May 4, 2022		3	3	1,200	1,200
NLH Island Generation: <sup>4,8</sup>	1,030	MW	Thursday, May 5, 2022		5	4	1,020	1,020
NLH Island Power Purchases: <sup>6</sup>	105	MW	Friday, May 6, 2022		4	1	1,065	1,065
Other Island Generation:	225	MW	Saturday, May 7, 2022		0	3	1,105	1,105
ML/LIL Imports:	154	MW	Sunday, May 8, 2022		3	4	1,020	1,020
Current St. John's Temperature & Windchill:	2 °C	N/A	Monday, May 9, 2022		4	3	1,010	1,010
7-Day Island Peak Demand Forecast:	1,200	MW	Tuesday, May 10, 2022		8	9	890	890

**Supply Notes For May 04, 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, May 03, 2022	Actual Island Peak Demand <sup>9</sup>	8:05	1,163 MW
Wed, May 04, 2022	Forecast Island Peak Demand		1,200 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).