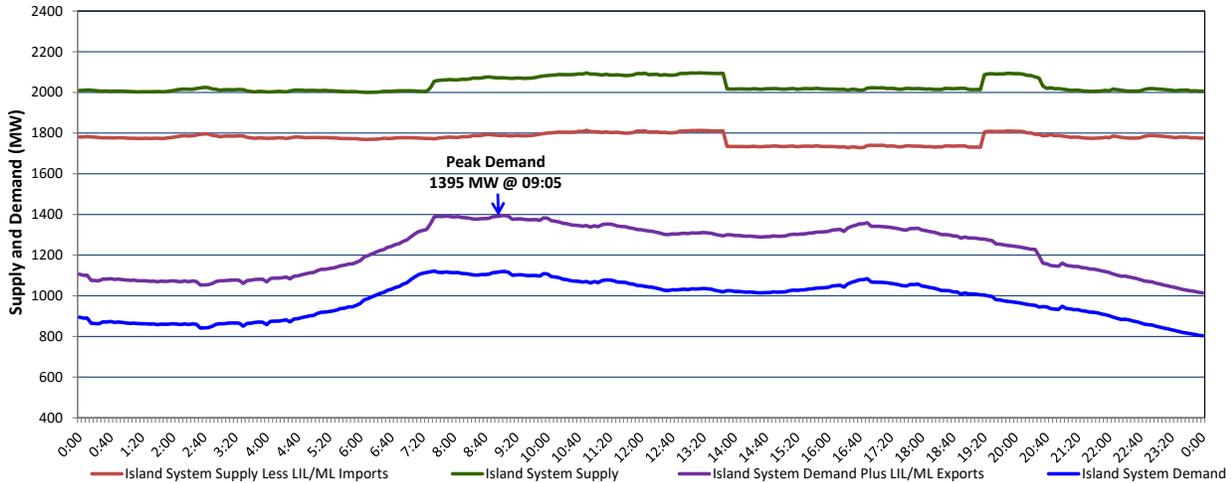


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, November 14, 2022

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, November 10, 2022



#### Supply Notes For November 10, 2022

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- A As of 1040 hours, August 27, 2022, Holyrood Unit 3 available but not operating (150 MW).
- B As of 1628 hours, October 10, 2022, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
- C At 0806 hours, November 10, 2022, Hawkes Bay Diesel Plant available at full capacity (5 MW).
- D At 0806 hours, November 10, 2022, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
- E At 1348 hours, November 10, 2022, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
- F At 1920 hours, November 10, 2022, Bay d'Espoir Unit 3 available (76.5 MW).

### Section 2 Island Interconnected Supply and Demand

Fri, Nov 11, 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>	2,004	MW	Friday, November 11, 2022		4	3	1,290	1,195
NLH Island Generation: <sup>4,8</sup>	1,465	MW	Saturday, November 12, 2022		3	3	1,150	1,057
NLH Island Power Purchases: <sup>6</sup>	80	MW	Sunday, November 13, 2022		4	2	1,140	1,047
Other Island Generation:	210	MW	Monday, November 14, 2022		1	5	1,195	1,101
ML/LIL Imports:	249	MW	Tuesday, November 15, 2022		4	1	1,175	1,081
Current St. John's Temperature & Windchill:	1 °C	N/A	Wednesday, November 16, 2022		-2	0	1,190	1,096
7-Day Island Peak Demand Forecast:	1,290	MW	Thursday, November 17, 2022		2	11	1,125	1,032

#### Supply Notes For November 11, 2022

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- 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

Thu, Nov 10, 2022	Actual Island Peak Demand <sup>9</sup>	9:05	1,395 MW
Fri, Nov 11, 2022	Forecast Island Peak Demand		1,290 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).