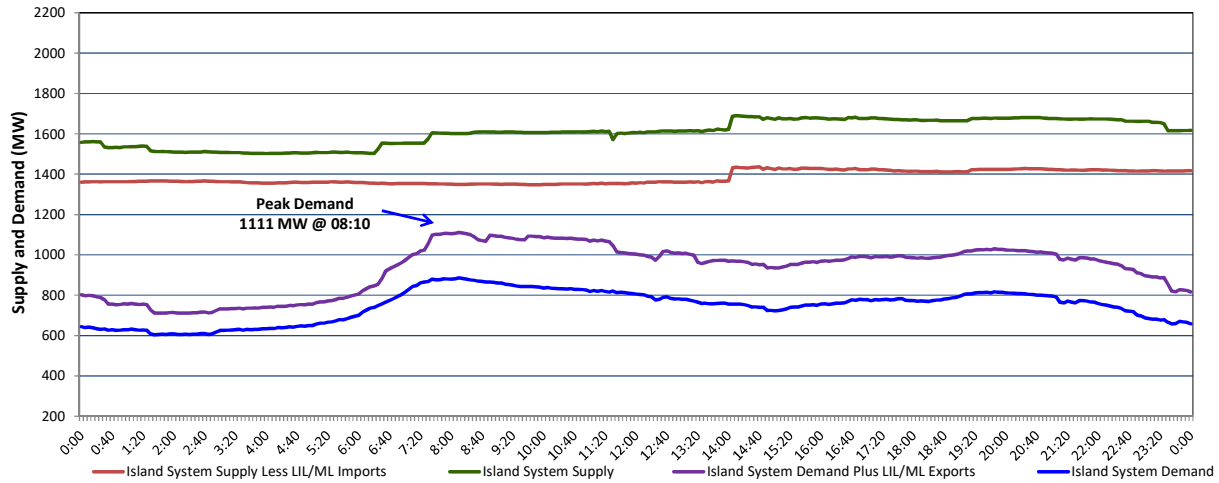


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, October 04, 2022

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Monday, October 03, 2022



#### Supply Notes For October 03, 2022

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- 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 0814 hours, September 12, 2022, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
- D As of 1304 hours, September 26, 2022, Hinds Lake Unit available at 65 MW (75 MW).
- E As of 1033 hours, September 27, 2022, Stephenville Gas Turbine unavailable (50 MW).
- F As of 1633 hours, September 29, 2022, Holyrood Unit 1 available but not operating 90 MW (170 MW).
- G **At 1400 hours, October 03, 2022, Cat Arm Unit 2 available (67 MW).**

### Section 2 Island Interconnected Supply and Demand

Tue, Oct 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>	1,648 MW	Tuesday, October 4, 2022	6	10	1,085	1,085
NLH Island Generation: <sup>4,8</sup>	1,075 MW	Wednesday, October 5, 2022	10	11	800	800
NLH Island Power Purchases: <sup>6</sup>	85 MW	Thursday, October 6, 2022	11	13	775	775
Other Island Generation:	220 MW	Friday, October 7, 2022	13	10	750	750
ML/LIL Imports:	268 MW	Saturday, October 8, 2022	11	12	745	745
Current St. John's Temperature & Windchill:	3 N/A °C	Sunday, October 9, 2022	7	8	915	915
7-Day Island Peak Demand Forecast:	1,085 MW	Monday, October 10, 2022	9	7	865	865

#### Supply Notes For October 04, 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

Mon, Oct 03, 2022	Actual Island Peak Demand <sup>9</sup>	8:10	1,111 MW
Tue, Oct 04, 2022	Forecast Island Peak Demand		1,085 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).