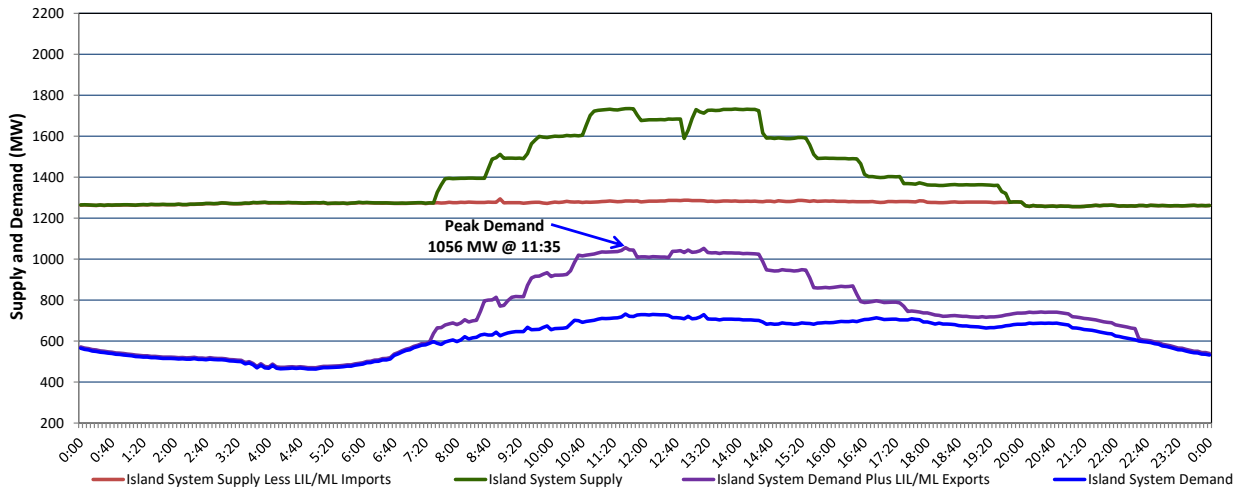


# Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, September 02, 2022

## Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, September 01, 2022



### Supply Notes For September 01, 2022

1,2

- A As of 1327 hours, May 08, 2022, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- B As of 0800 hours, June 08, 2022, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- C As of 0210 hours, July 03, 2022, Bay d'Espoir Unit 5 unavailable (76.5 MW).
- D As of 0800 hours, July 31, 2022, Holyrood Unit 2 unavailable due to planned outage 150 MW (170 MW).
- E As of 0651 hours, August 22, 2022, Hinds Lake Unit unavailable due to planned outage (75 MW).
- F At 0803 hours, September 01, 2022, Holyrood Unit 3 available but not operating (150 MW).

## Section 2 Island Interconnected Supply and Demand

Fri, Sep 02, 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>	1,219	MW	Friday, September 2, 2022	21	21	1,050	1,050
NLH Island Generation: <sup>4,8</sup>	820	MW	Saturday, September 3, 2022	17	16	725	725
NLH Island Power Purchases: <sup>6</sup>	70	MW	Sunday, September 4, 2022	16	17	715	715
Other Island Generation:	210	MW	Monday, September 5, 2022	16	16	715	715
ML/LIL Imports:	119	MW	Tuesday, September 6, 2022	16	14	795	795
Current St. John's Temperature & Windchill:	21 °C	N/A °C	Wednesday, September 7, 2022	13	13	810	810
7-Day Island Peak Demand Forecast:	1,050	MW	Thursday, September 8, 2022	14	13	755	755

### Supply Notes For September 02, 2022

3

- G At 0140 hours, September 02, 2022, Bay d'Espoir Unit 7 unavailable (154.4 MW).

- 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, Sep 01, 2022	Actual Island Peak Demand <sup>9</sup>	11:35	1,056 MW
Fri, Sep 02, 2022	Forecast Island Peak Demand		1,050 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).