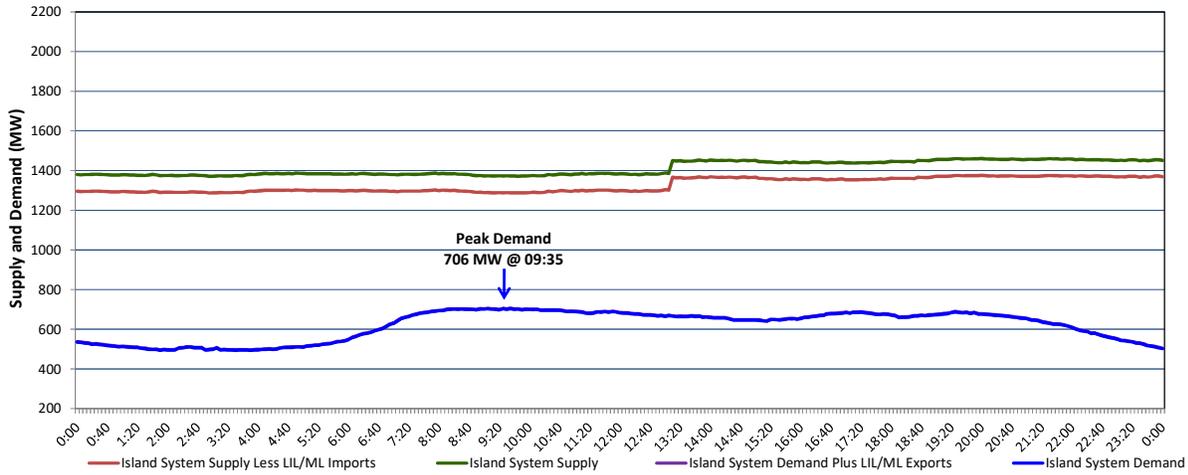


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Tuesday, September 27, 2022 (Revised - September 28, 2022)

Section 1

**Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, September 26, 2022**



Supply Notes For September 26, 2022

1,2

- 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 1748 hours, September 11, 2022, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
- D** As of 0814 hours, September 12, 2022, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
- E** At 0846 hours, September 26, 2022, Holyrood Unit 1 available but not operating 90 MW (170 MW).
- F** At 1304 hours, September 26, 2022, Hinds Lake Unit available at 65 MW (75 MW).

Section 2

Island Interconnected Supply and Demand

Tue, Sep 27, 2022	Island System Outlook ³		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,471	MW	Tuesday, September 27, 2022	19	19	740	740
NLH Island Generation: ^{4,8}	1,060	MW	Wednesday, September 28, 2022	18	16	735	735
NLH Island Power Purchases: ⁶	110	MW	Thursday, September 29, 2022	14	14	770	770
Other Island Generation:	215	MW	Friday, September 30, 2022	11	9	790	790
ML/LIL Imports:	86	MW	Saturday, October 1, 2022	10	12	735	735
Current St. John's Temperature & Windchill:	19	N/A	Sunday, October 2, 2022	9	6	885	885
7-Day Island Peak Demand Forecast:	930	MW	Monday, October 3, 2022	4	5	930	930

Supply Notes For September 27, 2022

3

- Notes:
- 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.
 - 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.
 - As of 0800 Hours.
 - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 - Gross output from all Island sources (including Note 4).
 - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
 - Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.
 - 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 required for full rated output. This threshold is dependent on the design of each turbine.

Section 3

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

Mon, Sep 26, 2022	Actual Island Peak Demand ⁹	9:35	706 MW
Tue, Sep 27, 2022	Forecast Island Peak Demand		740 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).