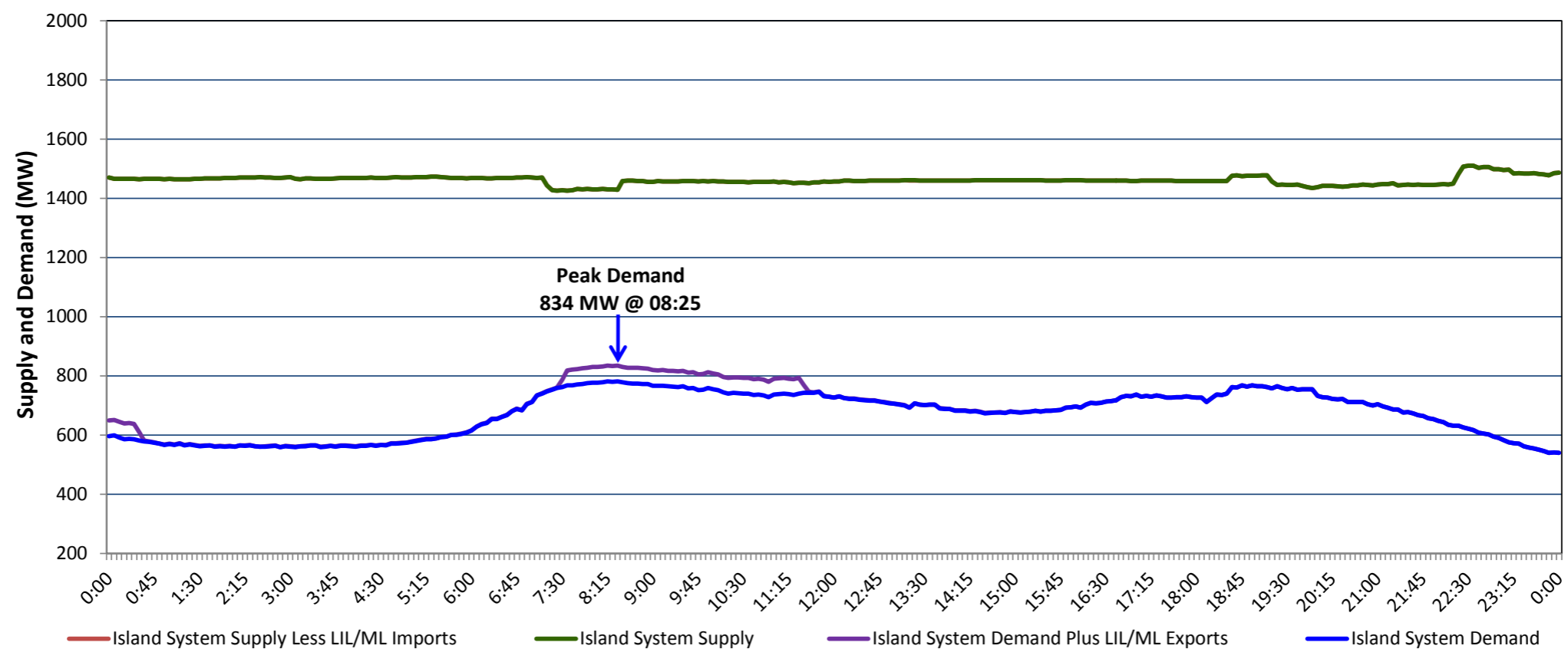


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, October 21, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, October 20, 2020**



Supply Notes For October 20, 2020

- 1,2
- A As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW).
 - B As of 0734 hours, September 27, 2020, Hinds Lake Unit unavailable due to planned outage (75 MW).
 - C As of 0648 hours, October 05, 2020, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
 - D As of 0850 hours, October 16, 2020, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
 - E As of 1830 hours, October 16, 2020, Holyrood Unit 2 available but not operating (170 MW).
 - F At 0801 hours, October 20, 2020, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
 - G At 1700 hours, October 20, 2020, St. Anthony Diesel Plant available at full capacity (9.7 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Oct 21, 2020	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	1,475 MW	Wednesday, October 21, 2020	14	8	850	850
NLH Island Generation: ⁴	1,120 MW	Thursday, October 22, 2020	13	13	825	825
NLH Island Power Purchases: ⁶	130 MW	Friday, October 23, 2020	6	5	930	930
Other Island Generation:	225 MW	Saturday, October 24, 2020	5	10	895	895
ML/LIL Imports:	- MW	Sunday, October 25, 2020	9	4	1,020	1,020
Current St. John's Temperature & Windchill:	14 °C	Monday, October 26, 2020	2	3	1,090	1,090
7-Day Island Peak Demand Forecast:	1,120 MW	Tuesday, October 27, 2020	1	13	1,120	1,120

Supply Notes For October 21, 2020

- 3
- H At 0800 hours, October 21, 2020, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
 - I At 0800 hours, October 21, 2020, Hardwoods Gas Turbine available at 25 MW (50 MW).

- 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.

**Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak**

Tue, Oct 20, 2020	Actual Island Peak Demand ⁸	08:25	834 MW
Wed, Oct 21, 2020	Forecast Island Peak Demand		850 MW

- Notes: 8. 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).