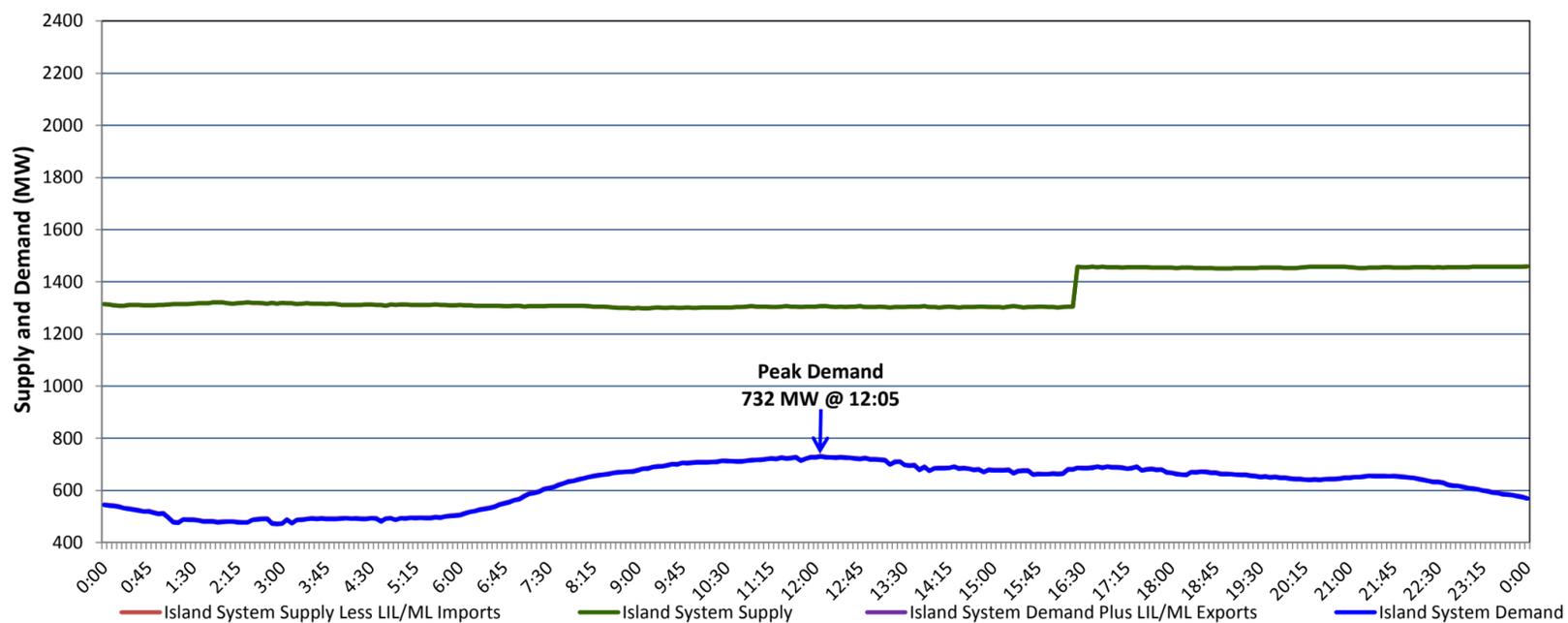


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, July 19, 2021**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Friday, July 16, 2021**



Supply Notes For July 16, 2021

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- A As of 0805 hours, April 09, 2021, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0804 hours, May 26, 2021, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- C As of 0720 hours, June 26, 2021, Holyrood Unit 2 available but not operating (170 MW).
- D As of 0931 hours, July 04, Granite Canal Unit unavailable due to planned outage (40 MW).
- E At 1623 hours, July 16, 2021, Bay d'Espoir Unit 7 available (154.4 MW).

**Section 2
Island Interconnected Supply and Demand**

Sat, Jul 17, 2021	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	1,495	MW		Saturday, July 17, 2021	20	19	740	740
NLH Island Generation: ⁴	1,165	MW		Sunday, July 18, 2021	18	21	805	805
NLH Island Power Purchases: ⁶	115	MW		Monday, July 19, 2021	18	18	745	745
Other Island Generation:	215	MW		Tuesday, July 20, 2021	16	20	750	750
ML/LIL Imports:	-	MW		Wednesday, July 21, 2021	19	18	735	735
Current St. John's Temperature & Windchill:	22 °C	N/A	°C	Thursday, July 22, 2021	17	16	750	750
7-Day Island Peak Demand Forecast:	805	MW		Friday, July 23, 2021	14	14	770	770

Supply Notes For July 17, 2021

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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.

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

Fri, Jul 16, 2021	Actual Island Peak Demand ⁸	12:05	732 MW
Sat, Jul 17, 2021	Forecast Island Peak Demand		740 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).