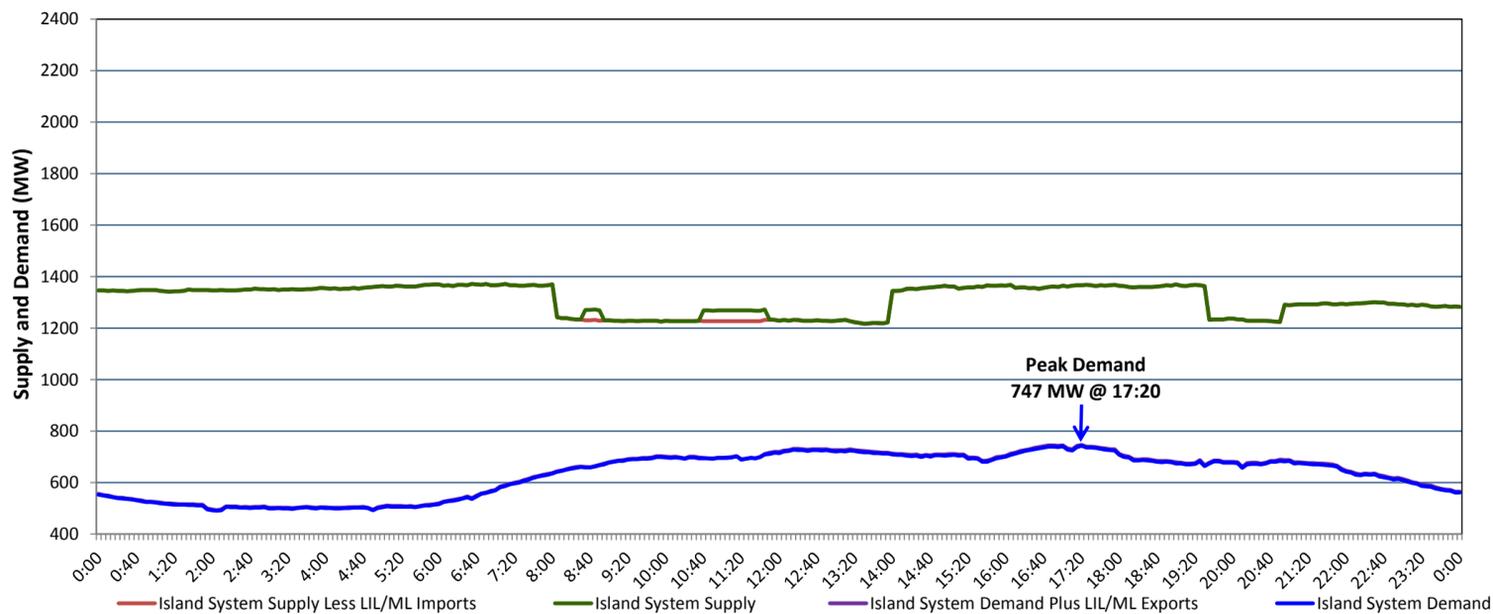


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, July 28, 2021**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, July 27, 2021**



Supply Notes For July 27, 2021

- 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 0850 hours, July 25, 2021, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- E As of 1051 hours, July 25, 2021, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- F As of 0914 hours, July 26, 2021, Paradise River Unit unavailable due to planned outage (8 MW).
- G At 0804 hours, July 27, 2021, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- H At 1400 hours, July 27, 2021, Holyrood Gas Turbine available (123.5 MW).
- I At 1931 hours, July 27, 2021, Cat Arm Unit 1 unavailable (67 MW).
- J At 1931 hours, July 27, 2021, Cat Arm Unit 2 unavailable (67 MW).
- K At 2054 hours, July 27, 2021, Cat Arm Unit 1 available (67 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Jul 28, 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	1,280	MW		Wednesday, July 28, 2021	19	19	750	750
NLH Island Generation: ⁴	975	MW		Thursday, July 29, 2021	18	16	740	740
NLH Island Power Purchases: ⁶	100	MW		Friday, July 30, 2021	15	16	740	740
Other Island Generation:	205	MW		Saturday, July 31, 2021	17	15	715	715
ML/LIL Imports:	-	MW		Sunday, August 01, 2021	14	16	735	735
Current St. John's Temperature & Windchill:	20 °C	N/A	°C	Monday, August 02, 2021	17	16	765	765
7-Day Island Peak Demand Forecast:	765	MW		Tuesday, August 03, 2021	19	17	745	745

Supply Notes For July 28, 2021

- 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**

Tue, Jul 27, 2021	Actual Island Peak Demand ⁸	17:20	747 MW
Wed, Jul 28, 2021	Forecast Island Peak Demand		750 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).