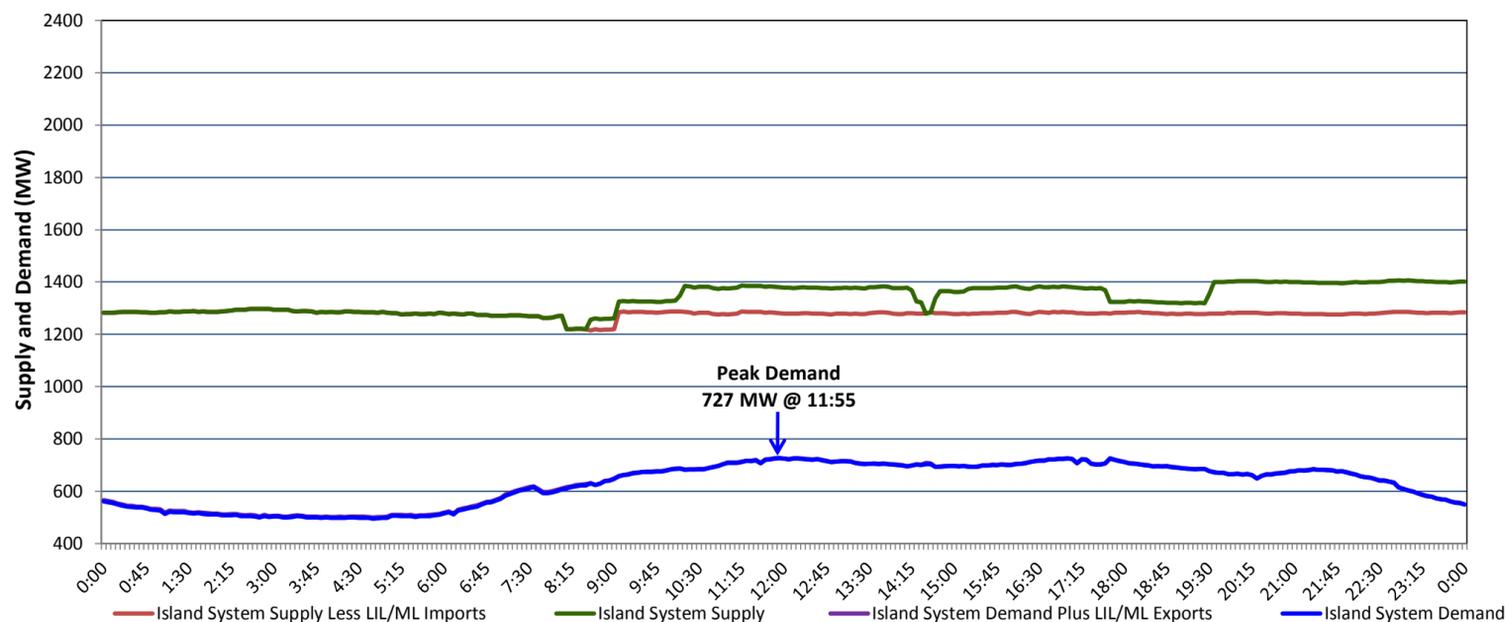


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, July 29, 2021**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, July 28, 2021**



Supply Notes For July 28, 2021

1,2

- 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 0810 hours, July 28, 2021, Stephenville Gas Turbine unavailable due to planned outage (50 MW).**
- H **At 0903 hours, July 28, 2021, Cat Arm Unit 2 available (67 MW).**

**Section 2
Island Interconnected Supply and Demand**

Thu, Jul 29, 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	1,420	MW		Thursday, July 29, 2021	17	16	730	730
NLH Island Generation: ⁴	990	MW		Friday, July 30, 2021	16	17	750	750
NLH Island Power Purchases: ⁶	100	MW		Saturday, July 31, 2021	17	16	740	740
Other Island Generation:	210	MW		Sunday, August 01, 2021	16	16	735	735
ML/LIL Imports:	120	MW		Monday, August 02, 2021	17	14	765	765
Current St. John's Temperature & Windchill:	16 °C	N/A	°C	Tuesday, August 03, 2021	16	17	755	755
7-Day Island Peak Demand Forecast:	765	MW		Wednesday, August 04, 2021	15	16	745	745

Supply Notes For July 29, 2021

3

- 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**

Wed, Jul 28, 2021	Actual Island Peak Demand ⁸	11:55	727 MW
Thu, Jul 29, 2021	Forecast Island Peak Demand		730 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).