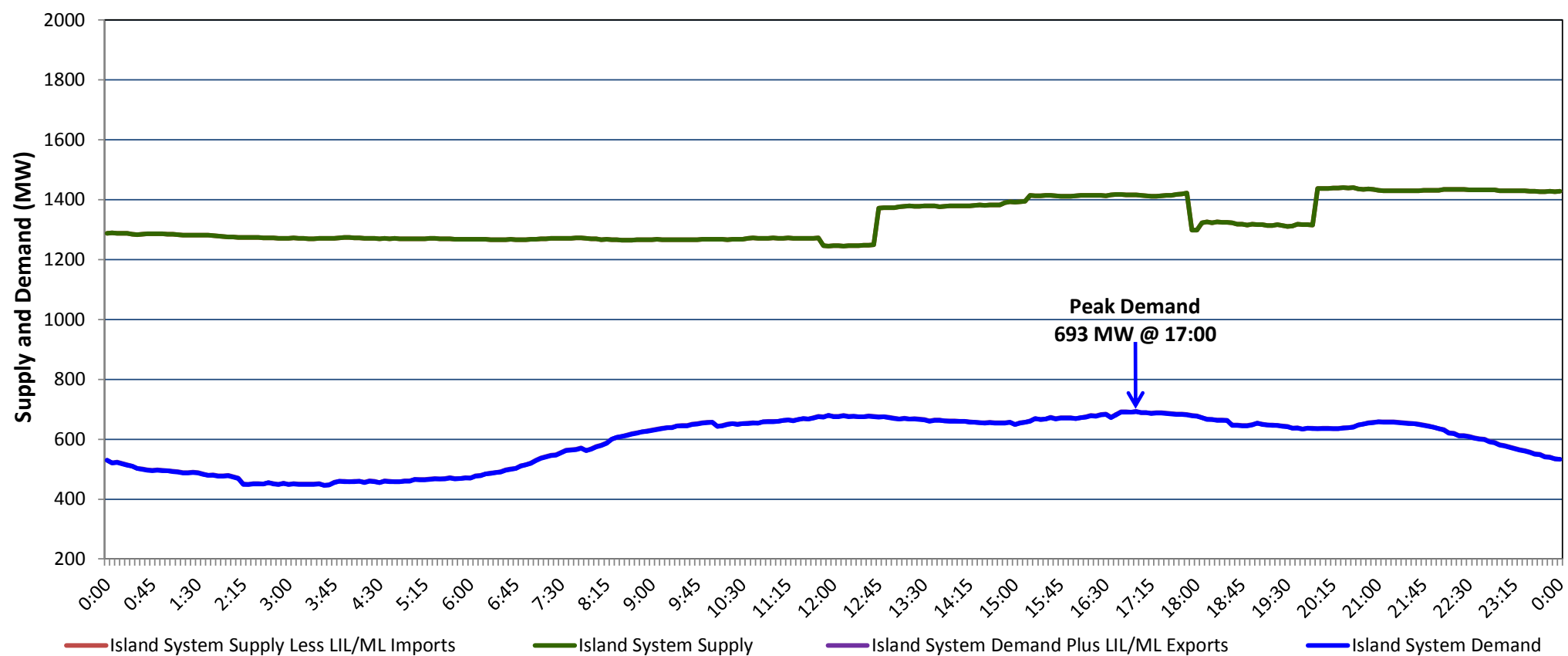


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, August 12, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, August 11, 2020**



Supply Notes For August 11, 2020

- 1,2
- A As of 1415 hours, June 11, 2020, Holyrood Unit 1 unavailable due to planned outage (170 MW).
 - B As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW).
 - C As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW).
 - D As of 1222 hours, July 26, 2020, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
 - E At 1150 hours, August 11, 2020, Hardwoods Gas Turbine available at 25 MW (50 MW).
 - F At 1244 hours, August 11, 2020, Holyrood Gas Turbine available (123.5 MW).
 - G At 1449 hours, August 11, 2020, Paradise River Unit available (8 MW).
 - H At 1755 hours, August 11, 2020, Holyrood Gas Turbine unavailable (123.5 MW).
 - I At 1801 hours, August 11, 2020, Hardwoods Gas Turbine available at full capacity (50 MW).
 - J At 2000 hours, August 11, 2020, Holyrood Gas Turbine available (123.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Aug 12, 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	1,425 MW	Wednesday, August 12, 2020	20	22	745	745
NLH Island Generation: ⁴	1,135 MW	Thursday, August 13, 2020	21	21	735	735
NLH Island Power Purchases: ⁶	90 MW	Friday, August 14, 2020	20	15	730	730
Other Island Generation:	200 MW	Saturday, August 15, 2020	13	13	725	725
ML/LIL Imports:	- MW	Sunday, August 16, 2020	14	14	740	740
Current St. John's Temperature & Windchill: 19 °C	N/A °C	Monday, August 17, 2020	16	14	760	760
7-Day Island Peak Demand Forecast:	760 MW	Tuesday, August 18, 2020	16	17	735	735

Supply Notes For August 12, 2020

- 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.

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

Tue, Aug 11, 2020	Actual Island Peak Demand ⁸	17:00	693 MW
Wed, Aug 12, 2020	Forecast Island Peak Demand		745 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).