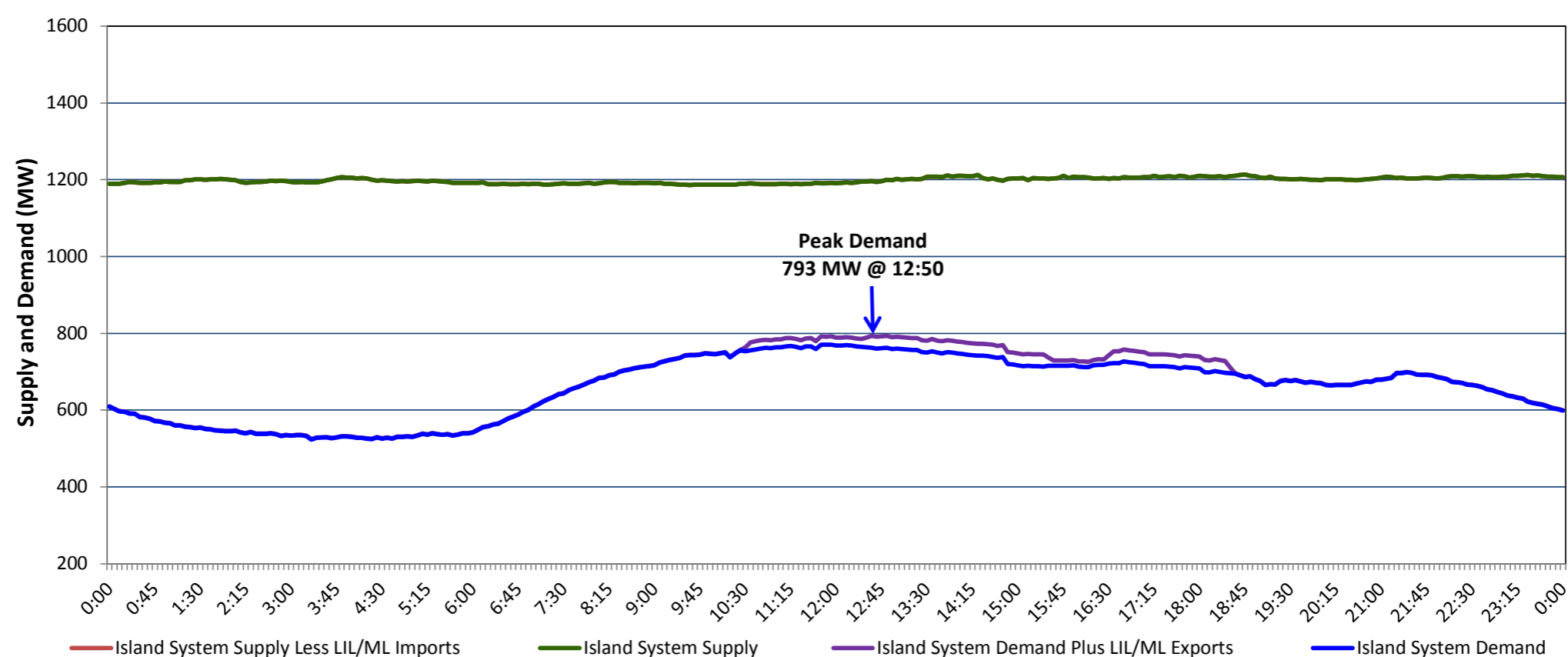


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, August 05, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Friday, August 02, 2019**



Supply Notes For August 02, 2019

- A As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
- B As of 0800 hours, June 17, 2019, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- C As of 1457 hours, June 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 0644 hours, July 29, 2019, Paradise River Unit unavailable (8 MW).
- E As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- F As of 0800 hours, July 29, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- G As of 0503 hours, July 31, 2019, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
- H As of 1551 hours, August 01, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Sat, Aug 03, 2019	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	1,180 MW	Saturday, August 03, 2019	19	21	745	745
NLH Island Generation: ⁴	925 MW	Sunday, August 04, 2019	20	20	755	755
NLH Island Power Purchases: ⁶	70 MW	Monday, August 05, 2019	16	17	790	790
Other Island Generation:	185 MW	Tuesday, August 06, 2019	16	15	770	770
ML/LIL Imports:	- MW	Wednesday, August 07, 2019	16	13	770	770
Current St. John's Temperature & Windchill:	18 °C	Thursday, August 08, 2019	16	15	785	785
7-Day Island Peak Demand Forecast:	795 MW	Friday, August 09, 2019	17	15	795	795

Supply Notes For August 03, 2019

- 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, Aug 02, 2019	Actual Island Peak Demand ⁸	12:50	793 MW
Sat, Aug 03, 2019	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).