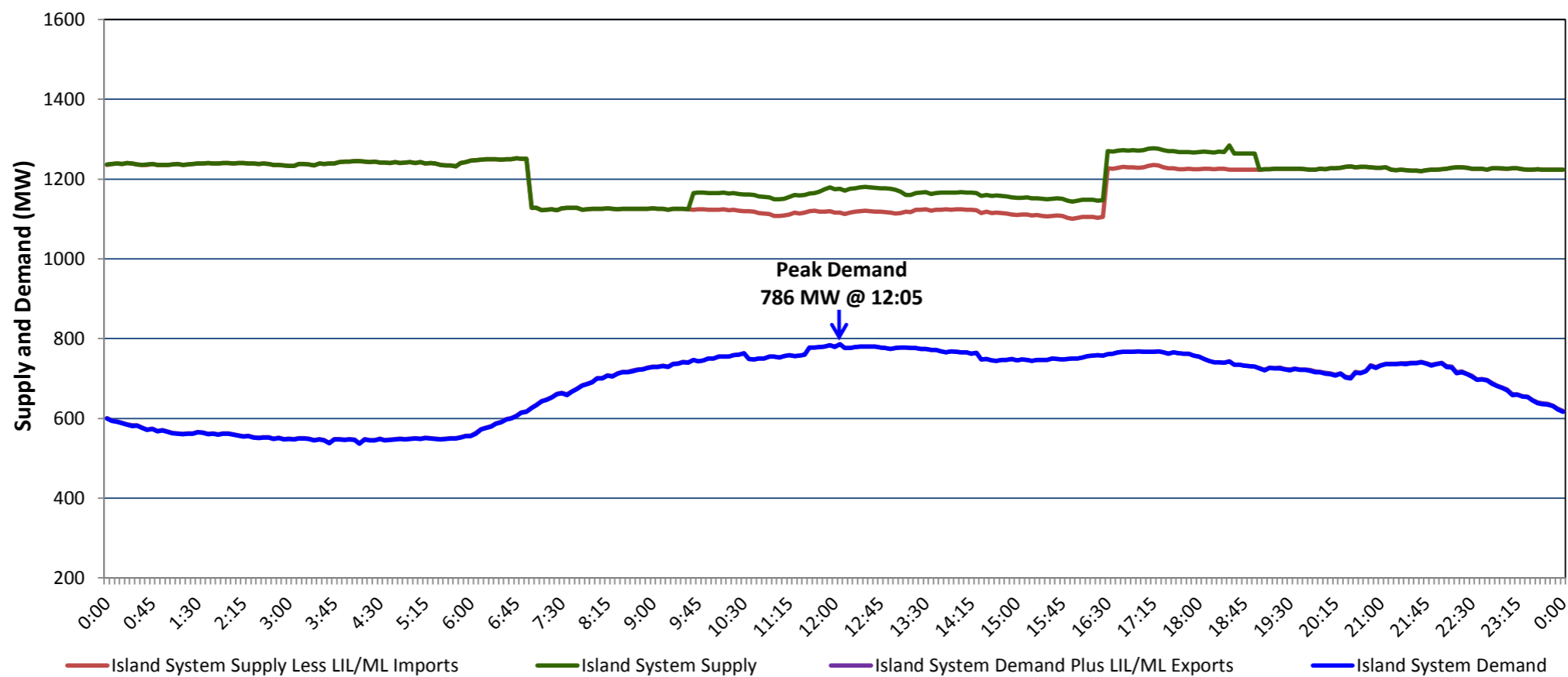


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, July 20, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, July 19, 2018**



Supply Notes For July 19, 2018

- 1,2
- A As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).
 - B As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
 - C As of 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).
 - D As of 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).
 - E As of 1251 hours, July 06, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
 - F As of 0613 hours, July 09, 2018, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
 - G As of 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).
 - H As of 1547 hours, July 18, 2018, Hardwoods Gas Turbine unavailable 25 MW (50 MW).
 - I At 0658 hours, July 19, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).
 - J At 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
 - K At 0826 hours, July 19, 2018, St. Anthony Diesel Plan available at 8.85 MW (9.7 MW).
 - L At 1630 hours, July 19, 2018, Holyrood Combustion Turbine available (123.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Jul 20, 2018	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	1,010	MW	Friday, July 20, 2018	17	18	795	795
NLH Island Generation: ⁴	720	MW	Saturday, July 21, 2018	19	20	785	785
NLH Island Power Purchases: ⁶	100	MW	Sunday, July 22, 2018	18	19	750	750
Other Island Generation:	190	MW	Monday, July 23, 2018	20	19	800	800
ML/LIL Imports:	-	MW	Tuesday, July 24, 2018	12	14	800	800
Current St. John's Temperature & Windchill: 16 °C	N/A	°C	Wednesday, July 25, 2018	15	15	790	790
7-Day Island Peak Demand Forecast:	800	MW	Thursday, July 26, 2018	22	22	790	790

Supply Notes For July 20, 2018

- 3
- M At 0546 hours, July 20, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).
 - N At 0738 hours, July 20, 2018, Granite Canal Unit unavailable (40 MW).

- 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 some customer's load must 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, is necessary to ensure the integrity and reliability of system equipment. Under frequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.
 - 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, Vale capacity assistance (when applicable).
 - Adjusted for CBPP, Vale and Praxair interruptible load, Maritime Link and Labrador-Island Link exports and the impact of voltage reduction, when applicable.

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

Thu, Jul 19, 2018	Actual Island Peak Demand ⁸	12:05	786 MW
Fri, Jul 20, 2018	Forecast Island Peak Demand		795 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).