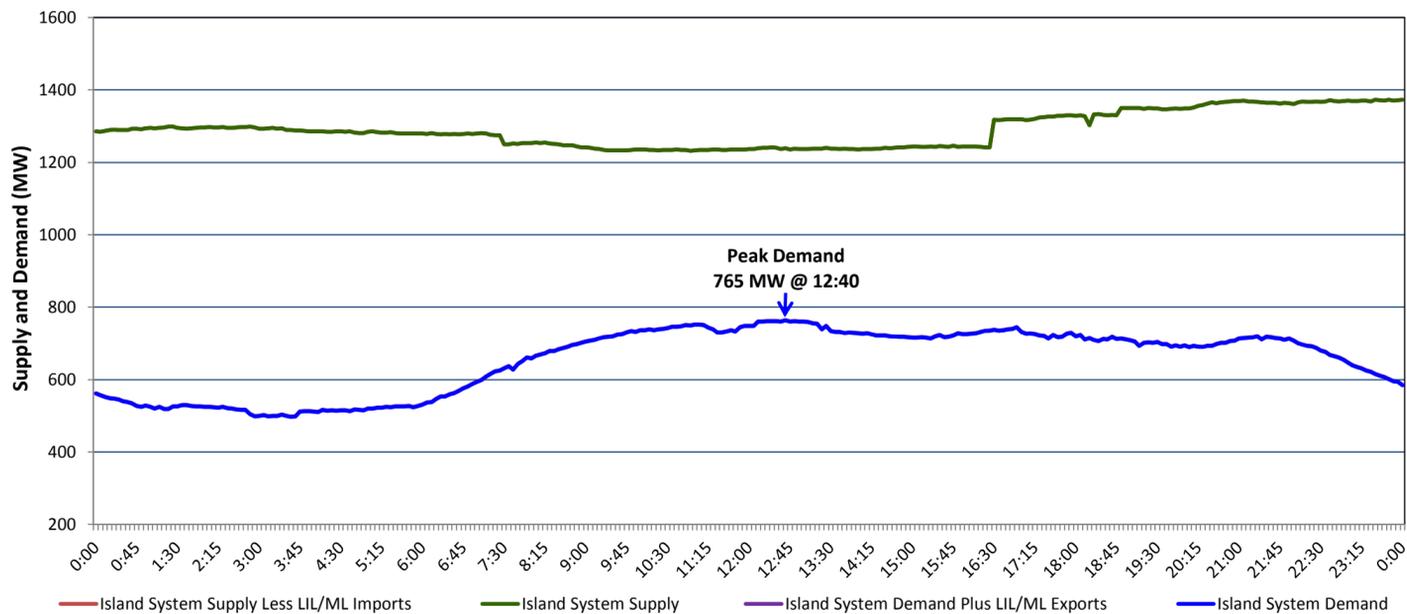


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, July 31, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, July 30, 2018**



Supply Notes For July 30, 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 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).
 - D As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
 - E As of 0742 hours, July 23, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
 - F As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).
 - G As of 1600 hours, July 29, 2018, Granite Canal Unit unavailable due to planned outage (40 MW).
 - H At 0728 hours, July 30, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).
 - I At 1629 hours, July 30, 2018, Hinds Lake Unit available (75 MW).
 - J At 1812 hours, July 30, 2018, Hardwoods Gas Turbine unavailable 25 MW (50 MW).
 - K At 1820 hours, July 30, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).
 - L At 1846 hours, July 30, 2018, Hardwoods Gas Turbine available at full capacity (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Tue, Jul 31, 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	1,220 MW	Tuesday, July 31, 2018	18	20	790	790
NLH Island Generation: ⁴	910 MW	Wednesday, August 01, 2018	21	21	790	790
NLH Island Power Purchases: ⁶	115 MW	Thursday, August 02, 2018	21	21	795	795
Other Island Generation:	195 MW	Friday, August 03, 2018	20	20	800	800
ML/LIL Imports:	- MW	Saturday, August 04, 2018	14	12	785	785
Current St. John's Temperature & Windchill: 16 °C	N/A °C	Sunday, August 05, 2018	14	16	760	760
7-Day Island Peak Demand Forecast:	815 MW	Monday, August 06, 2018	16	18	815	815

Supply Notes For July 31, 2018

- 3
- M At 0627 hours, July 31, 2018, Upper Salmon Unit unavailable due to planned outage (84 MW).
 - N At 0715 hours, July 31, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).

- 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 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.
 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, Vale capacity assistance (when applicable).
 7. 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**

Mon, Jul 30, 2018	Actual Island Peak Demand ⁸	12:40	765 MW
Tue, Jul 31, 2018	Forecast Island Peak Demand		790 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).