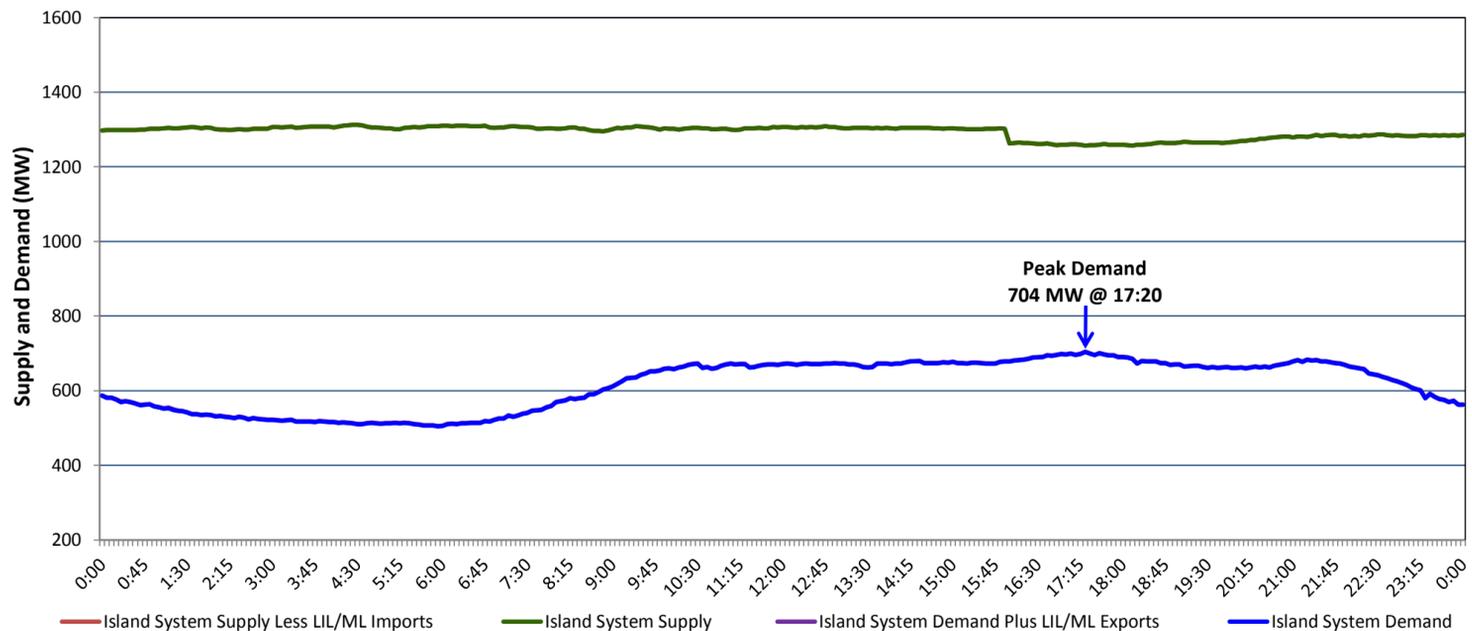


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, July 30, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Sunday, July 29, 2018**



Supply Notes For July 29, 2018

- 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 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).
- E As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
- F As of 0742 hours, July 23, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- G As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).
- H **At 1600 hours, July 29, 2018, Granite Canal Unit unavailable due to planned outage (40 MW).**

**Section 2
Island Interconnected Supply and Demand**

Mon, Jul 30, 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	1,240 MW	Monday, July 30, 2018	18	19	800	800
NLH Island Generation: ⁴	920 MW	Tuesday, July 31, 2018	18	22	785	785
NLH Island Power Purchases: ⁶	120 MW	Wednesday, August 01, 2018	21	24	800	800
Other Island Generation:	200 MW	Thursday, August 02, 2018	19	20	785	785
ML/LIL Imports:	- MW	Friday, August 03, 2018	19	14	800	800
Current St. John's Temperature & Windchill: 17 °C	N/A °C	Saturday, August 04, 2018	15	15	765	765
7-Day Island Peak Demand Forecast:	800 MW	Sunday, August 05, 2018	11	11	795	795

Supply Notes For July 30, 2018

- I **At 0728 hours, July 30, 2018, Hardwoods Gas Turbine available at 25 MW (50 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**

Sun, Jul 29, 2018	Actual Island Peak Demand ⁸	17:20	704 MW
Mon, Jul 30, 2018	Forecast Island Peak Demand		800 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).