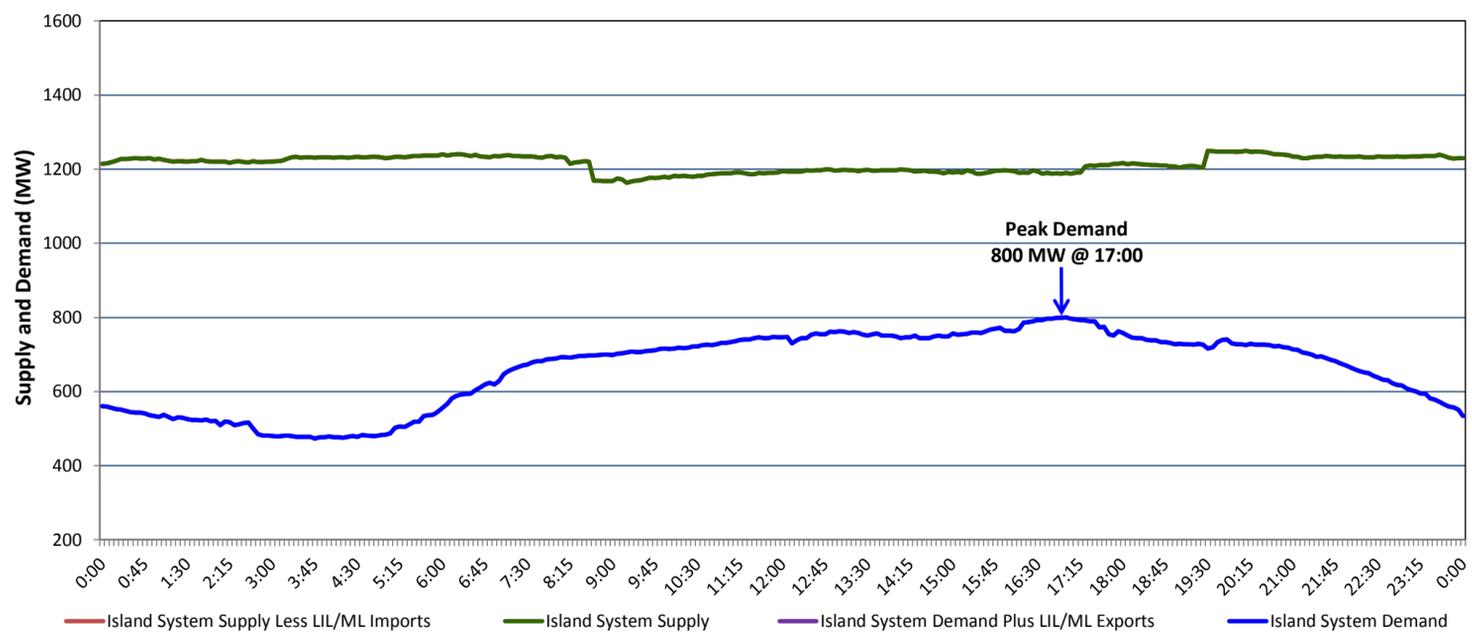


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, September 13, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, September 12, 2018**



Supply Notes For September 12, 2018

- A As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).
- B As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
- C As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).
- D As of 0823 hours, August 06, 2018, Cat Arm unit 1 unavailable due to planned outage 50 MW (67 MW).
- E As of 1000 hours, August 06, 2018, Cat Arm unit 2 unavailable due to planned outage (67 MW).
- F As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- G As of 1118 hours, August 21, 2018, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- H As of 1316 hours, August 31, 2018, Granite Canal Unit available at 37 MW (40 MW).
- I At 0838 hours, September 12, 2018, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- J At 1926 hours, September 12, 2018, Hardwoods Gas Turbine available (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Sep 13, 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	1,190 MW	Thursday, September 13, 2018	14	12	770	770
NLH Island Generation: ⁴	915 MW	Friday, September 14, 2018	12	10	820	820
NLH Island Power Purchases: ⁶	110 MW	Saturday, September 15, 2018	14	17	785	785
Other Island Generation:	165 MW	Sunday, September 16, 2018	12	11	825	825
ML/LIL Imports:	- MW	Monday, September 17, 2018	14	17	855	855
Current St. John's Temperature & Windchill: 12 °C	N/A °C	Tuesday, September 18, 2018	8	9	935	935
7-Day Island Peak Demand Forecast:	990 MW	Wednesday, September 19, 2018	15	9	990	990

Supply Notes For September 13, 2018

- 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**

Wed, Sep 12, 2018	Actual Island Peak Demand ⁸	17:00	800 MW
Thu, Sep 13, 2018	Forecast Island Peak Demand		770 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).