

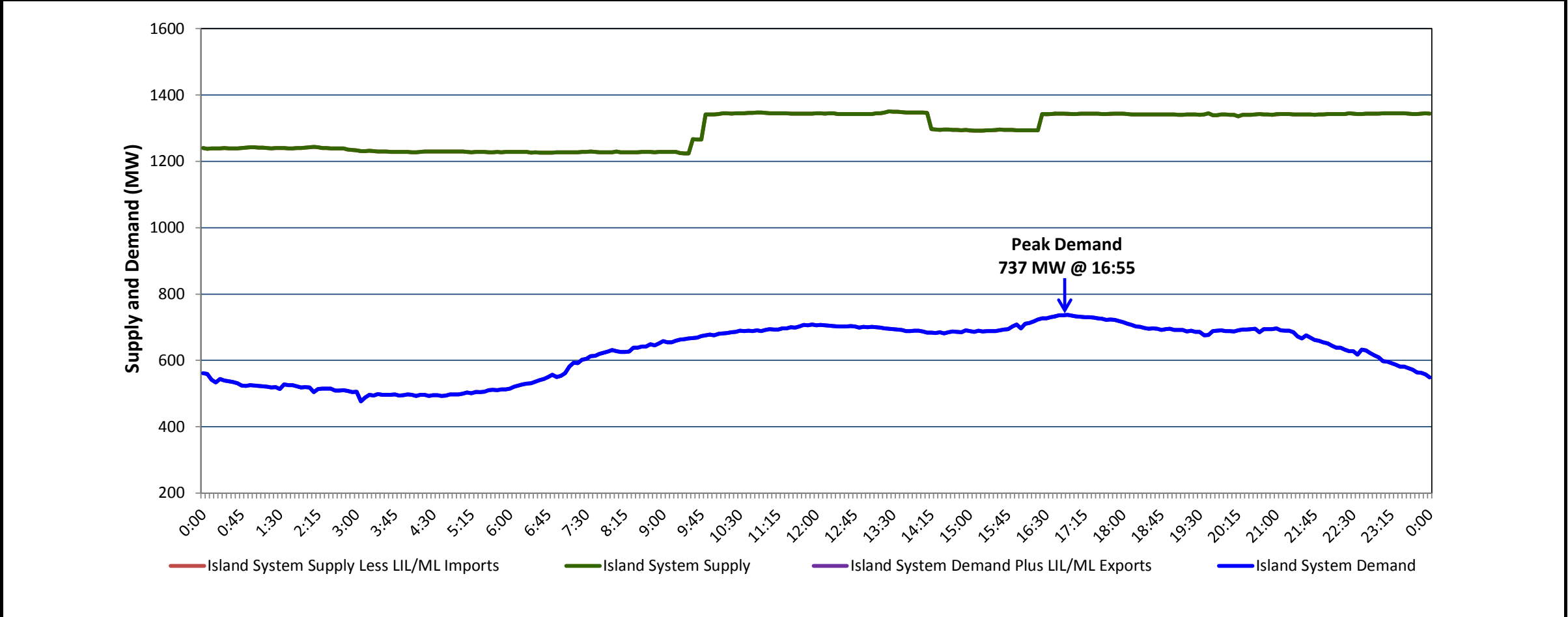
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Friday, August 17, 2018 (Revised - August 20, 2018)

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Thursday, August 16, 2018



Supply Notes For August 16, 2018

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- 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 At 0933 hours, August 16, 2018, Granite Canal Unit available (40 MW).
- H At 0947 hours, August 16, 2018, Bay d'Espoir Unit 2 available (76.5 MW).
- I At 1414 hours, August 16, 2018, Hardwoods Gas Turbine unavailable (50 MW).
- J At 1623 hours, August 16, 2018, Hardwoods Gas Turbine available (50 MW).

Section 2

Island Interconnected Supply and Demand

Fri, Aug 17, 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	1,290	MW		Friday, August 17, 2018	14	13	795	795
NLH Island Generation: ⁴	1,005	MW		Saturday, August 18, 2018	13	15	785	785
NLH Island Power Purchases: ⁶	90	MW		Sunday, August 19, 2018	14	14	770	770
Other Island Generation:	195	MW		Monday, August 20, 2018	14	13	830	830
ML/LIL Imports:	-	MW		Tuesday, August 21, 2018	15	15	805	805
Current St. John's Temperature & Windchill:	12 °C	N/A	°C	Wednesday, August 22, 2018	16	17	805	805
7-Day Island Peak Demand Forecast:	830	MW		Thursday, August 23, 2018	20	22	795	795

Supply Notes For August 17, 2018

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- K At 0747 hours, August 17, 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, Aug 16, 2018	Actual Island Peak Demand ⁸	16:55	737 MW
Fri, Aug 17, 2018	Forecast Island Peak Demand		795 MW

- Notes:
- 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).