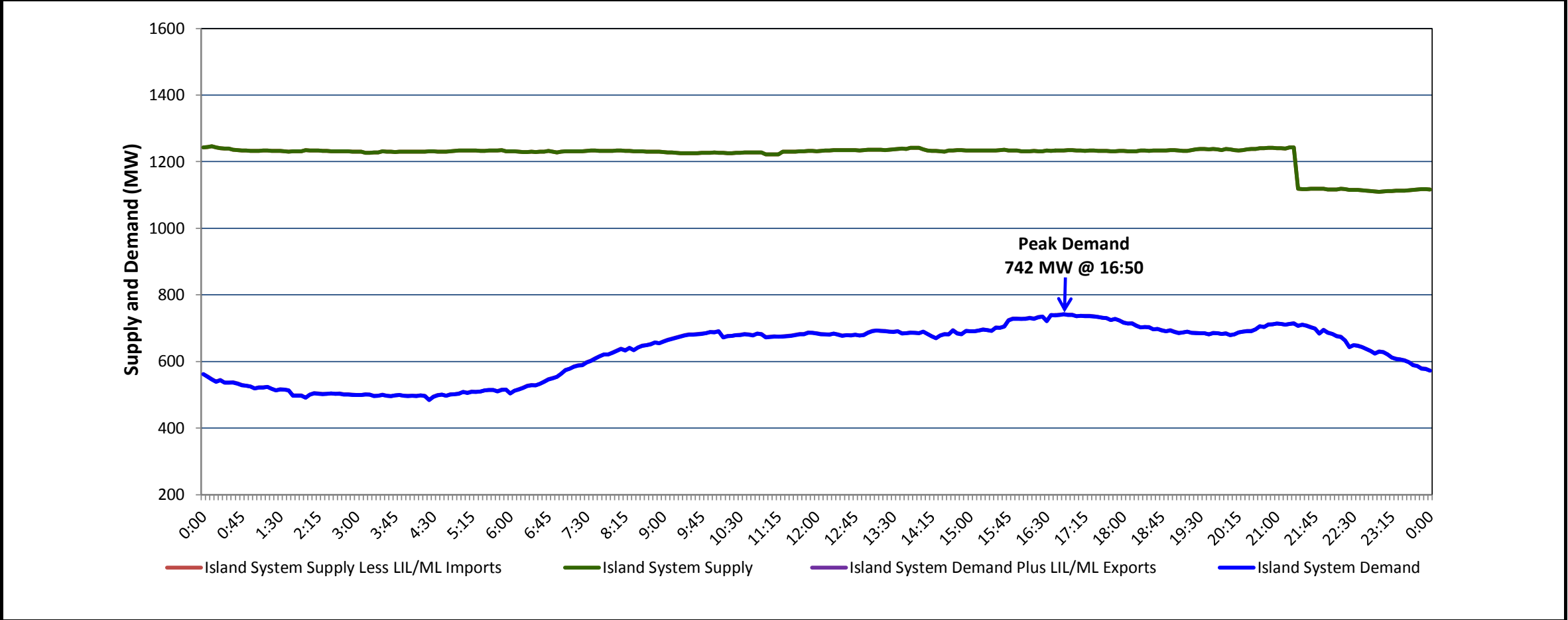


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, August 14, 2018

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, August 13, 2018



Supply Notes For August 13, 20181,2

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 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).

D

As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).

E

As of 1600 hours, July 29, 2018, Granite Canal Unit unavailable due to planned outage (40 MW).

F

As of 0823 hours, August 06, 2018, Cat Arm unit 1 unavailable due to planned outage 50 MW (67 MW).

G

As of 1000 hours, August 06, 2018, Cat Arm unit 2 unavailable due to planned outage (67 MW).

H

As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

I

At 2123 hours, August 13, 2018, Holyrood Combustion Turbine unavailable (123.5 MW).

Section 2
Island Interconnected Supply and Demand

Tue, Aug 14, 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				1,205	MW	Tuesday, August 14, 2018		21	22	790	790
NLH Island Generation: ⁴				925	MW	Wednesday, August 15, 2018		20	20	795	785
NLH Island Power Purchases: ⁶				90	MW	Thursday, August 16, 2018		20	19	790	790
Other Island Generation:				190	MW	Friday, August 17, 2018		14	13	825	825
ML/LIL Imports:				-	MW	Saturday, August 18, 2018		13	14	770	770
Current St. John's Temperature & Windchill: 19 °C				N/A	°C	Sunday, August 19, 2018		14	15	770	770
7-Day Island Peak Demand Forecast:				825	MW	Monday, August 20, 2018		14	16	825	825

Supply Notes For August 14, 20183

J

At 0652 hours, August 14, 2018, Holyrood Combustion Turbine available (123.5 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, Aug 13, 2018	Actual Island Peak Demand ⁸	16:50	742 MW
Tue, Aug 14, 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).