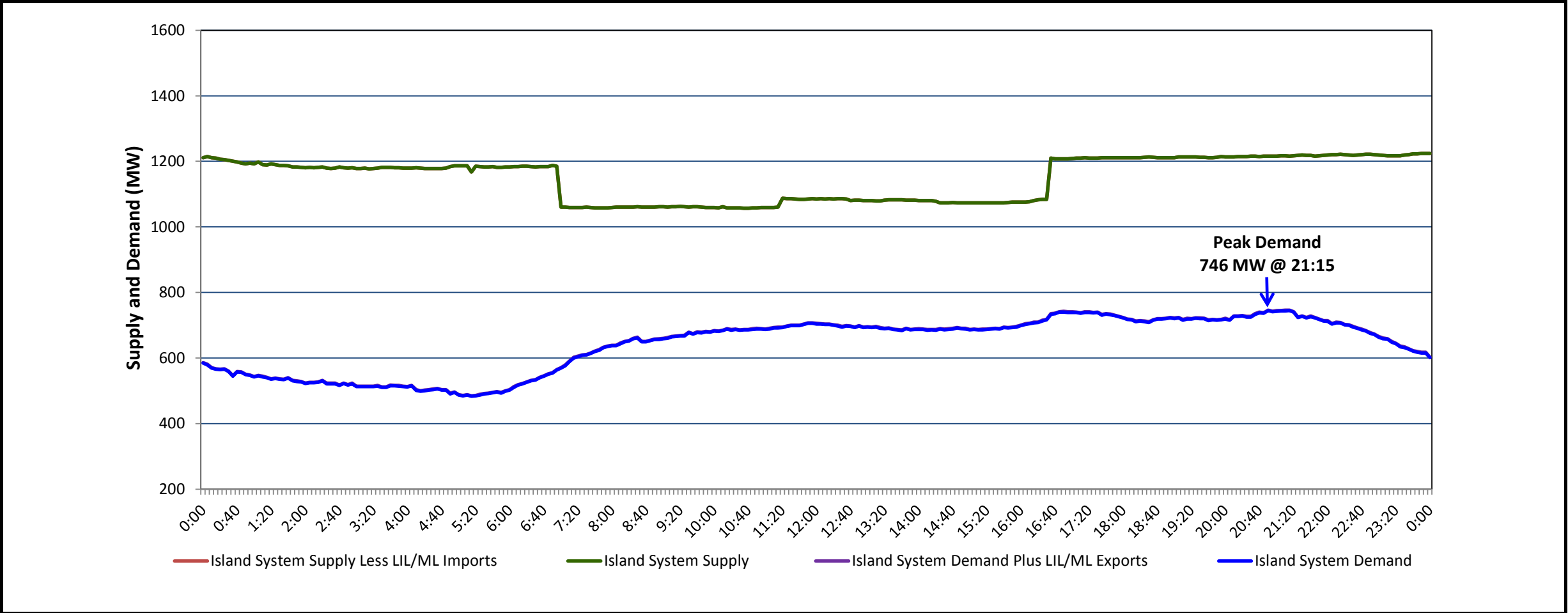


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, July 25, 2018

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



Supply Notes For July 24, 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 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).

D

As of 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).

E

As of 1251 hours, July 06, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

F

As of 0613 hours, July 09, 2018, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).

G

As of 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).

H

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

I

As of 0742 hours, July 23, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).

J

At 0700 hours, July 24, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).

K

At 1117 hours, July 24, 2018, Hardwoods Gas Turbine available at full capacity (50 MW).

L

At 1634 hours, July 24, 2018, Holyrood Combustion Turbine available (123.5 MW).

Section 2
Island Interconnected Supply and Demand

Wed, Jul 25, 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				1,075	MW	Wednesday, July 25, 2018		19	21	795	795
NLH Island Generation: ⁴				785	MW	Thursday, July 26, 2018		21	21	800	800
NLH Island Power Purchases: ⁶				95	MW	Friday, July 27, 2018		21	20	805	805
Other Island Generation:				195	MW	Saturday, July 28, 2018		14	20	765	765
ML/LIL Imports:				-	MW	Sunday, July 29, 2018		19	20	750	750
Current St. John's Temperature & Windchill:				19 °C	N/A °C	Monday, July 30, 2018		18	19	800	800
7-Day Island Peak Demand Forecast:				805	MW	Tuesday, July 31, 2018		20	21	795	795

Supply Notes For July 25, 20183

M

At 0659 hours, July 25, 2018, Holyrood Combustion Turbine unavailable due to planned outage (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

Tue, Jul 24, 2018	Actual Island Peak Demand ⁸	21:15	746 MW
Wed, Jul 25, 2018	Forecast Island Peak Demand		795 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).