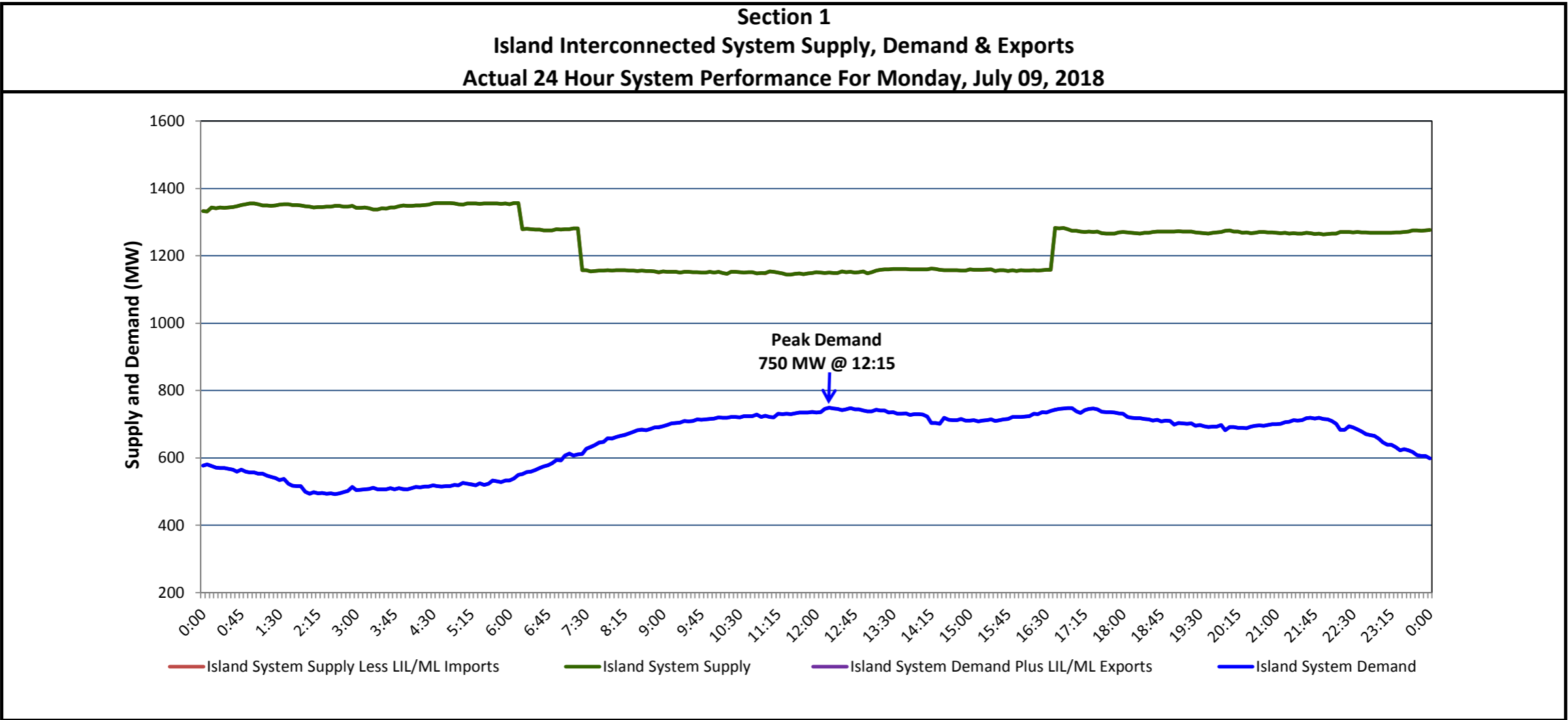


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, July 10, 2018



Supply Notes For July 09, 20181,2

A	As of 0801 hours, April 02, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
B	As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).
C	As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
D	As of 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).
E	As of 0847 hours, June 30, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).
F	As of 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).
G	As of 1500 hours, July 04, 2018, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
H	As of 1537 hours, July 05, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).
I	As of 1251 hours, July 06, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
J	At 0613 hours, July 09, 2018, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
K	At 0724 hours, July 09, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).
L	At 1640 hours, July 09, 2018, Holyrood Combustion Turbine available (123.5 MW).

Section 2
Island Interconnected Supply and Demand

Tue, Jul 10, 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			1,095	MW	Tuesday, July 10, 2018	17	20	780	805
NLH Island Generation: ⁴			760	MW	Wednesday, July 11, 2018	17	17	790	775
NLH Island Power Purchases: ⁶			135	MW	Thursday, July 12, 2018	16	16	790	790
Other Island Generation:			200	MW	Friday, July 13, 2018	12	10	820	820
ML/LIL Imports:			-	MW	Saturday, July 14, 2018	12	11	775	775
Current St. John's Temperature & Windchill: 17 °C			N/A	°C	Sunday, July 15, 2018	15	18	760	760
7-Day Island Peak Demand Forecast:			820	MW	Monday, July 16, 2018	17	18	805	805

Supply Notes For July 10, 20183

M	At 0700 hours, July 10, 2018, Holyrood CombustionTurbine unavailable due to planned outage (123.5 MW).
N	At 0710 hours, July 10, 2018, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 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, Jul 09, 2018	Actual Island Peak Demand ⁸	12:15	750 MW
Tue, Jul 10, 2018	Forecast Island Peak Demand		780 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).