

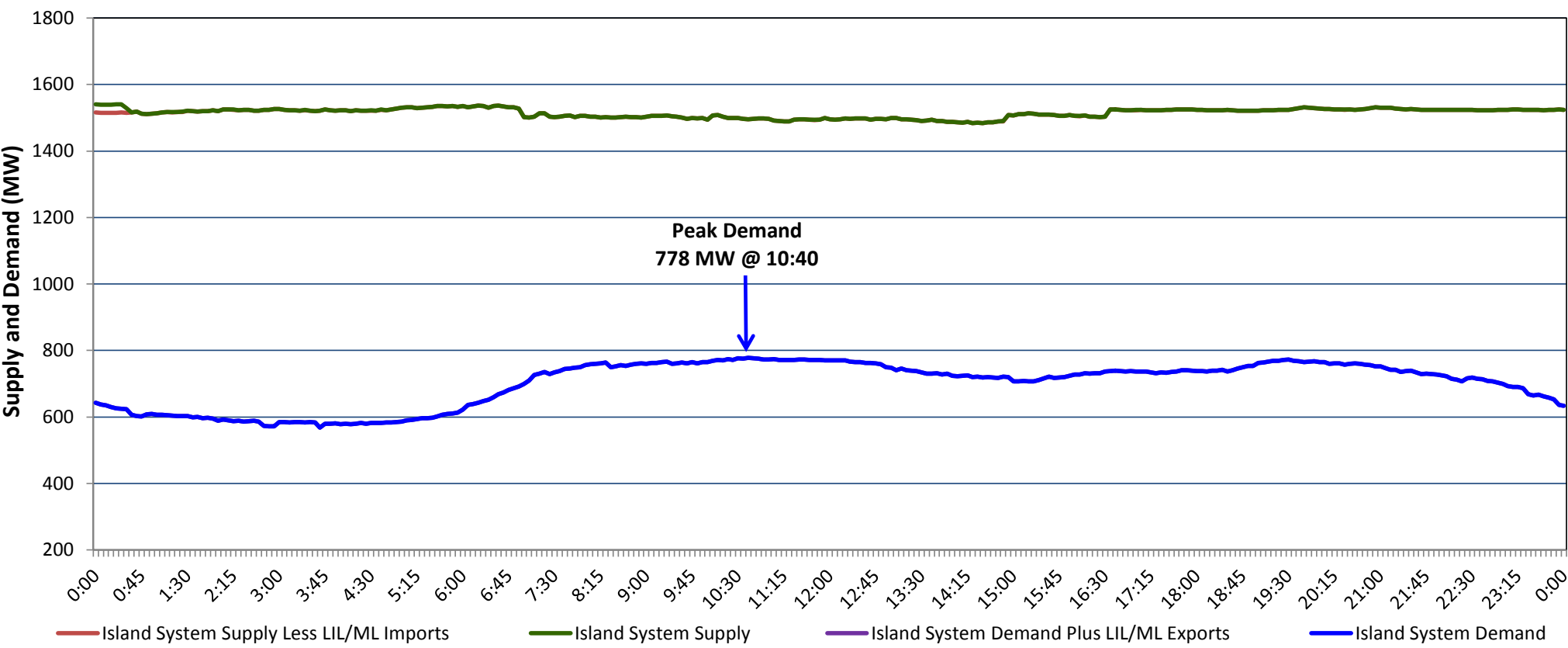
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Tuesday, October 09, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Friday, October 05, 2018



Supply Notes For October 05, 2018

- 1,2
- A

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

As of 1034 hours, September 17, 2018, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
- C

As of 1623 hours, September 28, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
- D

At 0659 hours, October 05, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- E

At 1633 hours, October 05, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

Section 2

Island Interconnected Supply and Demand

Sat, Oct 06, 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	1,540	MW		Saturday, October 06, 2018	7	6	855	855
NLH Island Generation: ⁴	1,270	MW		Sunday, October 07, 2018	7	6	925	925
NLH Island Power Purchases: ⁶	90	MW		Monday, October 08, 2018	4	6	1,025	1,025
Other Island Generation:	180	MW		Tuesday, October 09, 2018	5	6	1,055	1,055
ML/LIL Imports:	-	MW		Wednesday, October 10, 2018	9	3	1,120	1,120
Current St. John's Temperature & Windchill:	9 °C	N/A	°C	Thursday, October 11, 2018	2	4	1,235	1,235
7-Day Island Peak Demand Forecast:	1,235	MW		Friday, October 12, 2018	3	10	1,125	1,125

Supply Notes For October 06, 2018

- 3
- 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 and capacity assistance (when applicable).
7.

Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

Section 3

Island Peak Demand Information

Previous Day Actual Peak and Current Day Forecast Peak

Fri, Oct 05, 2018	Actual Island Peak Demand ⁸	10:40	778 MW
Sat, Oct 06, 2018	Forecast Island Peak Demand		855 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).