

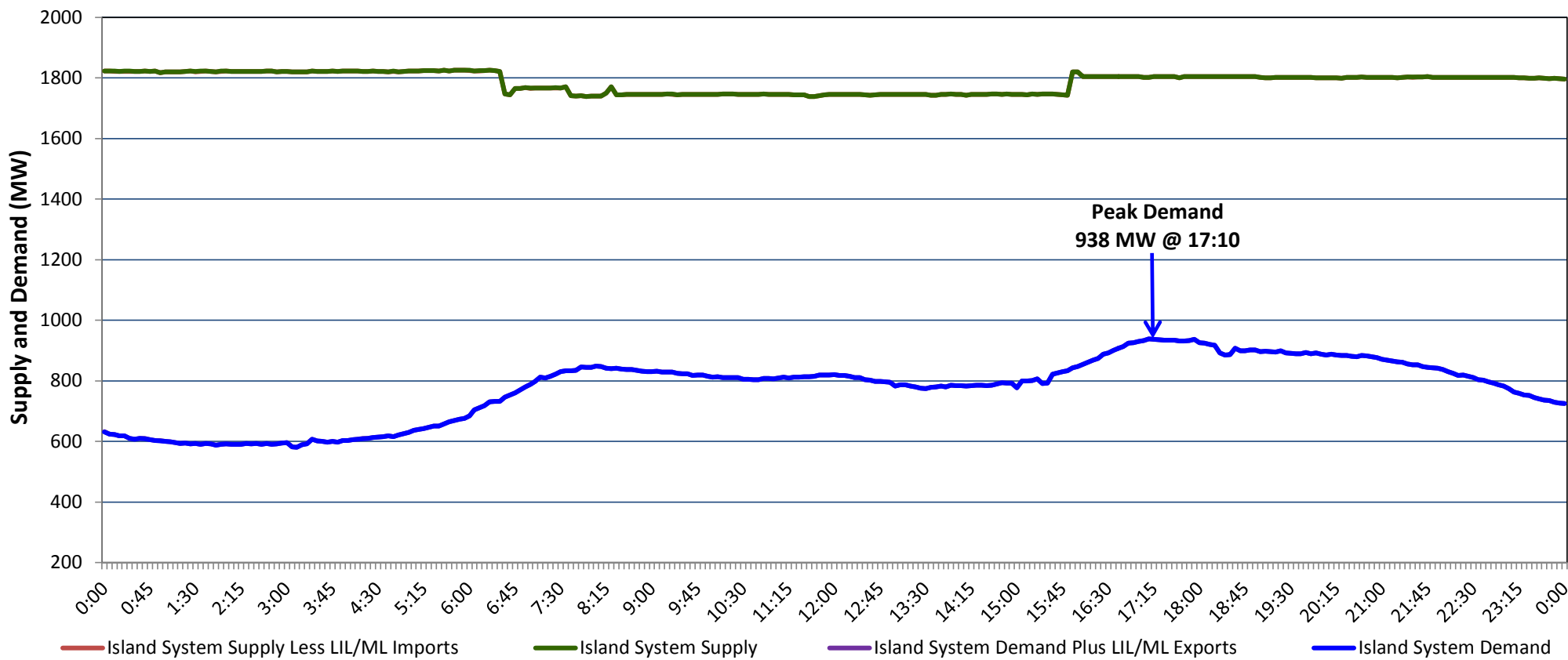
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Friday, November 09, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Thursday, November 08, 2018



Supply Notes For November 08, 2018

- A As of 2017 hours, November 03, 2018, Holyrood Unit 1 unavailable due to planned outage 40 MW (170 MW).
- B At 0633 hours, November 08, 2018, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
- C At 0821 hours, November 08, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- D At 1550 hours, November 08, 2018, Bay d'Espoir Unit 3 available (76.5 MW).

Section 2

Island Interconnected Supply and Demand

Fri, Nov 09, 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	1,825	MW		Friday, November 09, 2018	4	4	1,110	1,017
NLH Island Generation: ⁴	1,500	MW		Saturday, November 10, 2018	1	2	1,235	1,141
NLH Island Power Purchases: ⁶	150	MW		Sunday, November 11, 2018	8	4	1,215	1,121
Other Island Generation:	175	MW		Monday, November 12, 2018	3	2	1,315	1,220
ML/LIL Imports:	-	MW		Tuesday, November 13, 2018	2	3	1,270	1,175
Current St. John's Temperature & Windchill:	4 °C	N/A	°C	Wednesday, November 14, 2018	2	8	1,320	1,225
7-Day Island Peak Demand Forecast:	1,360	MW		Thursday, November 15, 2018	-1	2	1,360	1,264

Supply Notes For November 09, 2018

- E At 0729 hours, November 09, 2018, Stephenville Gas Turbine available at 25 MW (50 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 there may be a requirement for some customer's load to 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 (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
 - 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 and capacity assistance (when applicable).
 - 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

Thu, Nov 08, 2018	Actual Island Peak Demand ⁸	17:10	938 MW
Fri, Nov 09, 2018	Forecast Island Peak Demand		1,110 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).