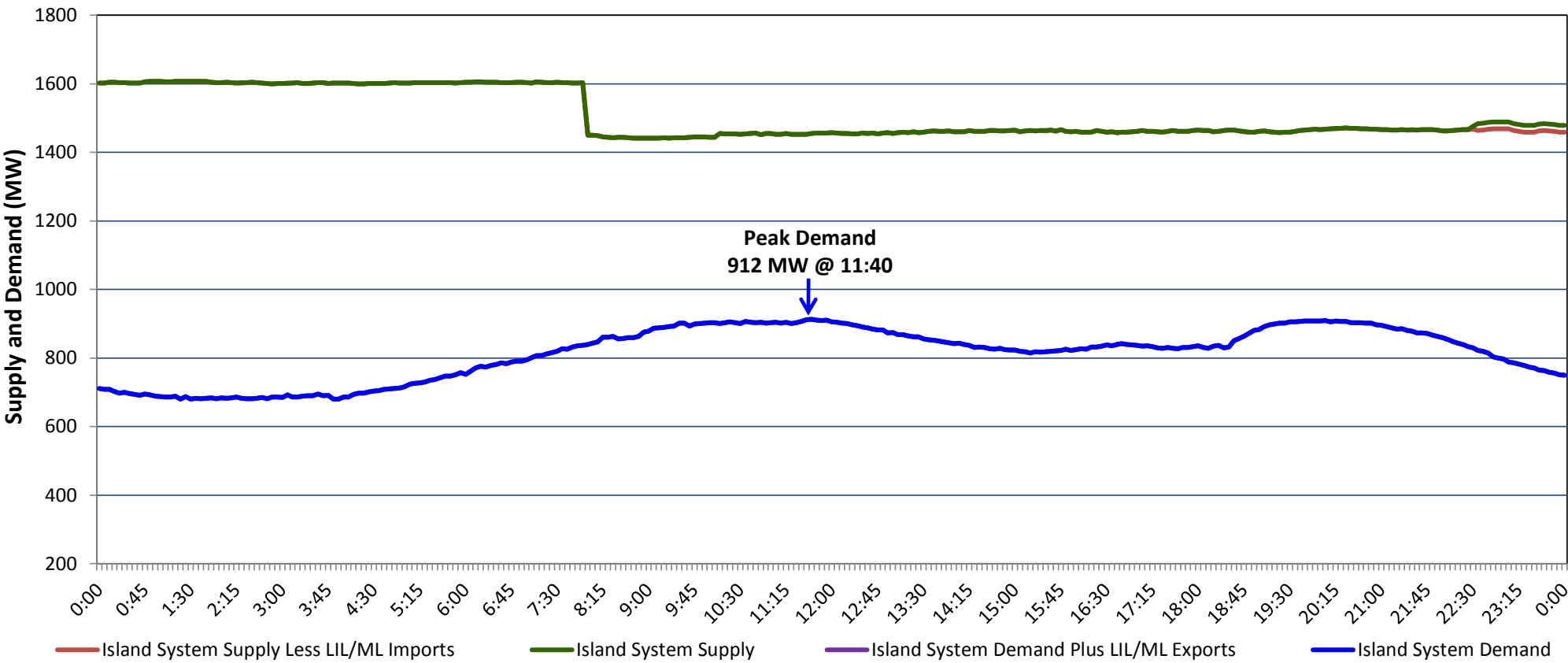


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, October 09, 2018

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, October 08, 2018



Supply Notes For October 08, 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 1623 hours, September 28, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
- C

As of 1633 hours, October 05, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- D

At 0757 hours, October 08, 2018, Bay d'Espoir Unit 7 unavailable due to planned outage (154.4 MW).

Section 2
Island Interconnected Supply and Demand

Tue, Oct 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				1,500	MW	Tuesday, October 09, 2018		4	6	1,040	1,040
NLH Island Generation: ⁴				1,195	MW	Wednesday, October 10, 2018		9	4	1,075	1,075
NLH Island Power Purchases: ⁶				80	MW	Thursday, October 11, 2018		3	3	1,170	1,170
Other Island Generation:				180	MW	Friday, October 12, 2018		3	6	1,145	1,145
ML/LIL Imports:				45	MW	Saturday, October 13, 2018		12	11	905	905
Current St. John's Temperature & Windchill:				2 °C	N/A °C	Sunday, October 14, 2018		4	5	1,025	1,025
7-Day Island Peak Demand Forecast:				1,170	MW	Monday, October 15, 2018		5	6	1,070	1,070

Supply Notes For October 09, 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

Mon, Oct 08, 2018	Actual Island Peak Demand ⁸	11:40	912 MW
Tue, Oct 09, 2018	Forecast Island Peak Demand		1,040 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).