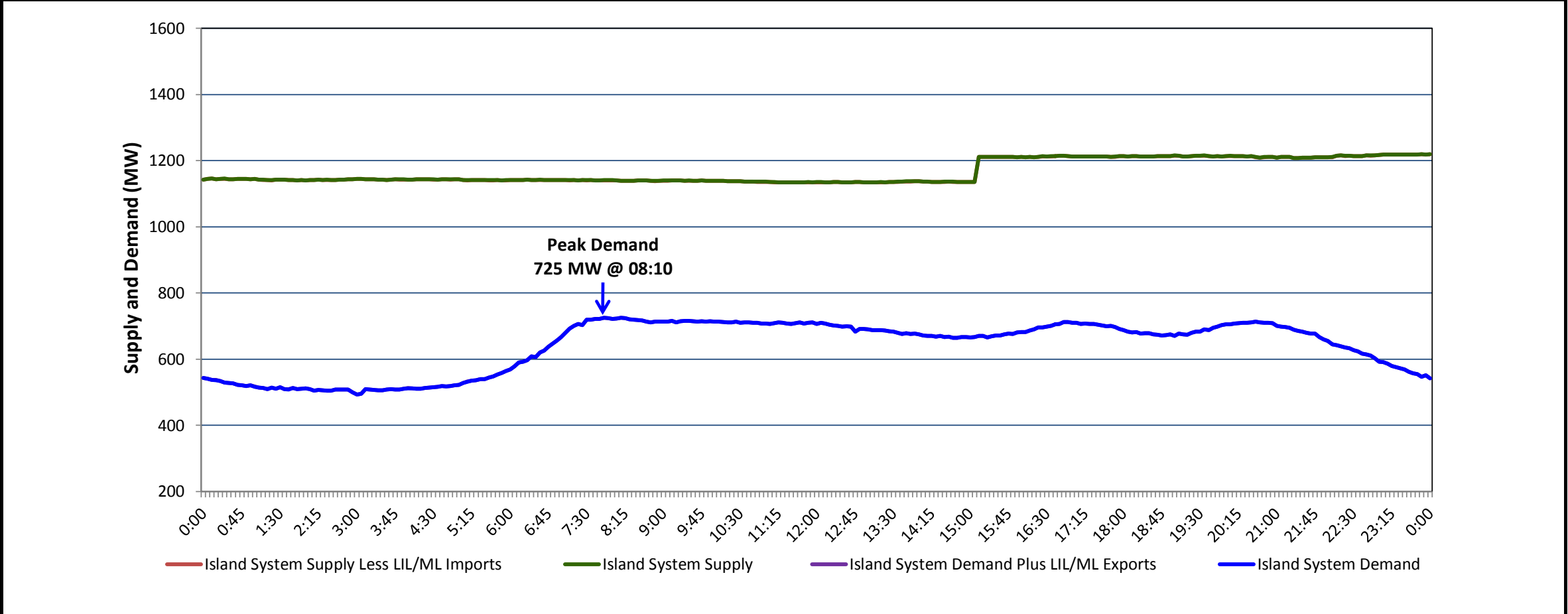


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, September 11, 2018

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Monday, September 10, 2018



Supply Notes For September 10, 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 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).

C

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

D

As of 0823 hours, August 06, 2018, Cat Arm unit 1 unavailable due to planned outage 50 MW (67 MW).

E

As of 1000 hours, August 06, 2018, Cat Arm unit 2 unavailable due to planned outage (67 MW).

F

As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

G

As of 1118 hours, August 21, 2018, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).

H

As of 1316 hours, August 31, 2018, Granite Canal Unit available at 37 MW (40 MW).

I

At 1510 hours, September 10, 2018, Bay d'Espoir Unit 1 available (76.5 MW).

Section 2
Island Interconnected Supply and Demand

Tue, Sep 11, 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 NLH Island Generation: ⁴ NLH Island Power Purchases: ⁶ Other Island Generation: ML/LIL Imports:	1,100 MW	Tuesday, September 11, 2018	12	13	775	775
	835 MW	Wednesday, September 12, 2018	15	14	825	825
	90 MW	Thursday, September 13, 2018	14	16	810	810
	175 MW	Friday, September 14, 2018	12	11	845	845
	- MW	Saturday, September 15, 2018	14	17	775	775
	- MW	Sunday, September 16, 2018	17	12	795	795
Current St. John's Temperature & Windchill: 11 °C	N/A °C	Monday, September 17, 2018	12	9	905	905
7-Day Island Peak Demand Forecast:	905 MW					

Supply Notes For September 11, 20183

J

At 0652 hours, Septmeber 11, 2018, Upper Salmon Unit unavailable due to planned outage (84 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, Sep 10, 2018	Actual Island Peak Demand ⁸	08:10	725 MW
Tue, Sep 11, 2018	Forecast Island Peak Demand		775 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).