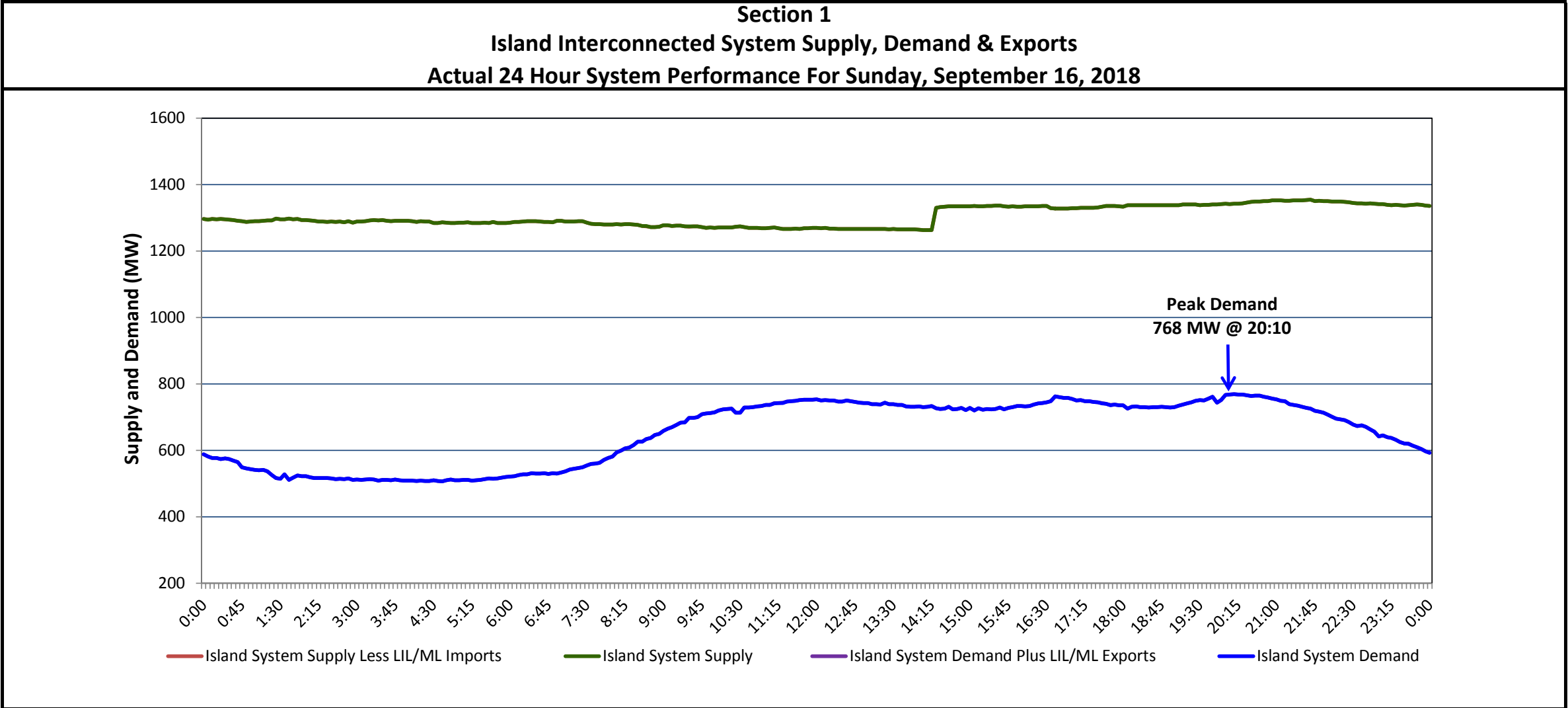


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, September 17, 2018



Supply Notes For September 16, 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 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

E

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

F

At 1420 hours, September 16, 2018, Cat Arm unit 2 available (67 MW).

Section 2 Island Interconnected Supply and Demand								
Mon, Sep 17, 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	1,380	MW		Monday, September 17, 2018	12	16	825	825
NLH Island Generation: ⁴	1,125	MW		Tuesday, September 18, 2018	8	5	1,035	1,035
NLH Island Power Purchases: ⁶	85	MW		Wednesday, September 19, 2018	7	7	965	965
Other Island Generation:	170	MW		Thursday, September 20, 2018	8	7	965	965
ML/LIL Imports:	-	MW		Friday, September 21, 2018	7	5	965	965
Current St. John's Temperature & Windchill:	11 °C	N/A	°C	Saturday, September 22, 2018	9	11	910	910
7-Day Island Peak Demand Forecast:	1,035	MW		Sunday, September 23, 2018	10	11	895	895

Supply Notes For September 17, 20183

G

At 0033 hours, September 17, 2018, Holyrood Unit 2 available at 70 MW (170 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			
Sun, Sep 16, 2018	Actual Island Peak Demand ⁸	20:10	768 MW
Mon, Sep 17, 2018	Forecast Island Peak Demand		825 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).			