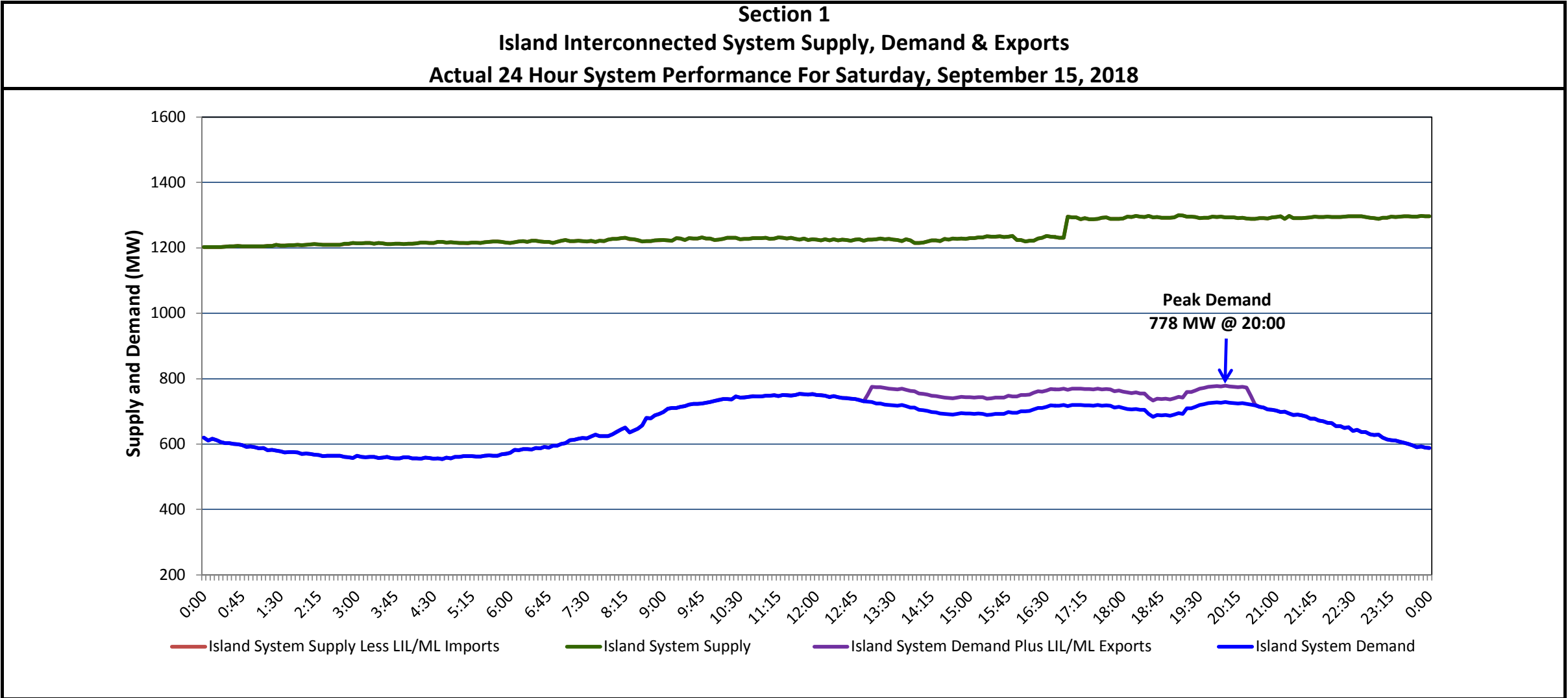


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, September 17, 2018



Supply Notes For September 15, 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 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).

F

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

G

At 1655 hours, September 15, 2018, Cat Arm unit 1 available (67 MW).

Section 2 Island Interconnected Supply and Demand								
Sun, Sep 16, 2018				Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>				Sunday, September 16, 2018	13	15	765	765
NLH Island Generation: <sup>4</sup>				Monday, September 17, 2018	11	7	925	925
NLH Island Power Purchases: <sup>6</sup>				Tuesday, September 18, 2018	7	6	1,025	1,025
Other Island Generation:				Wednesday, September 19, 2018	8	11	995	995
ML/LIL Imports:				Thursday, September 20, 2018	9	8	990	990
Current St. John's Temperature & Windchill: 12 °C				Friday, September 21, 2018	7	9	940	940
7-Day Island Peak Demand Forecast:				Saturday, September 22, 2018	9	11	1,145	1,145

Supply Notes For September 16, 20183

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			
Sat, Sep 15, 2018	Actual Island Peak Demand <sup>8</sup>	20:00	778 MW
Sun, Sep 16, 2018	Forecast Island Peak Demand		765 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).			