

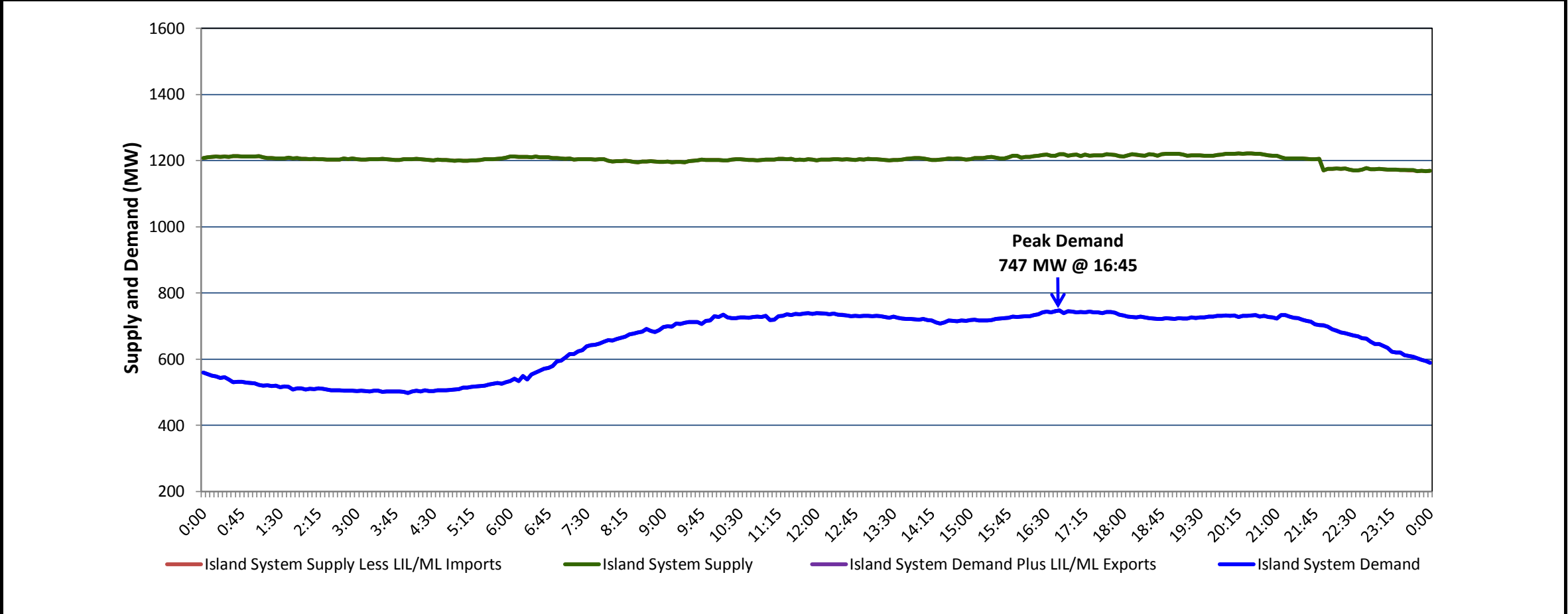
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Friday, August 31, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Thursday, August 30, 2018



Supply Notes For August 30, 2018

1,2

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

At 2151 hours, August 30, 2018, Granite Canal Unit unavailable 37 MW (40 MW).

Section 2

Island Interconnected Supply and Demand

Fri, Aug 31, 2018	Island System Outlook <sup>3</sup>	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> NLH Island Generation: <sup>4</sup> NLH Island Power Purchases: <sup>6</sup> Other Island Generation: ML/LIL Imports:	1,180    MW 880    MW 110    MW 190    MW -    MW	Friday, August 31, 2018	16	11	780	780
		Saturday, September 01, 2018	12	11	775	775
		Sunday, September 02, 2018	12	15	785	785
		Monday, September 03, 2018	15	16	805	805
		Tuesday, September 04, 2018	16	17	810	810
		Wednesday, September 05, 2018	14	11	820	820
Current St. John's Temperature & Windchill:	14 °C    N/A    °C	Thursday, September 06, 2018	10	13	870	870
7-Day Island Peak Demand Forecast:	870    MW					

Supply Notes For August 31, 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, 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

Thu, Aug 30, 2018	Actual Island Peak Demand <sup>8</sup>	16:45	747    MW
Fri, Aug 31, 2018	Forecast Island Peak Demand		780    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).