

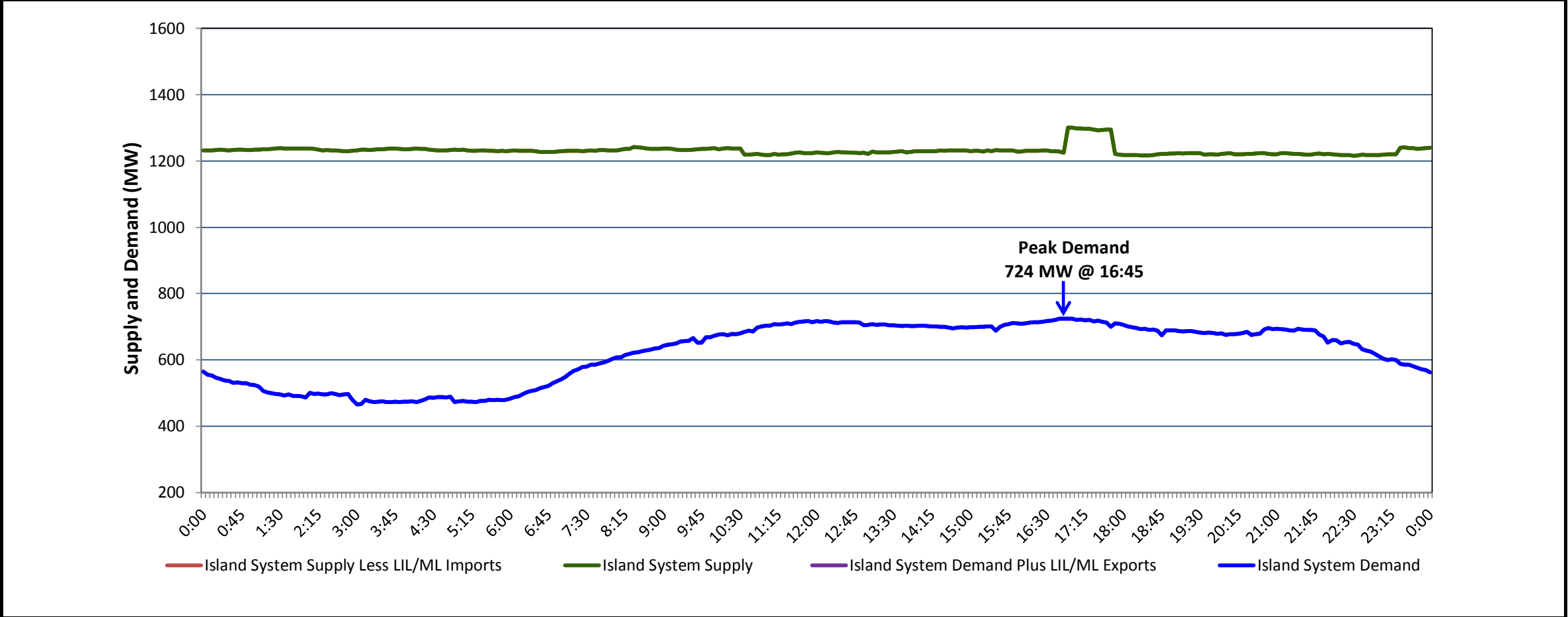
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Thursday, August 16, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Wednesday, August 15, 2018



- Supply Notes For August 15, 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 1600 hours, July 29, 2018, Granite Canal Unit unavailable due to planned outage (40 MW).
- E

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

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

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

At 1655 hours, August 15, 2018, Bay d'Espoir Unit 2 available (76.5 MW).
- I

At 1750 hours, August 15, 2018, Bay d'Espoir Unit 2 unavailable (76.5 MW).

Section 2

Island Interconnected Supply and Demand

Thu, Aug 16, 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:	1,210 925 90 195 -	MW MW MW MW MW	N/A	Thursday, August 16, 2018	19	19	795	795
				Friday, August 17, 2018	13	12	815	815
				Saturday, August 18, 2018	12	15	765	765
				Sunday, August 19, 2018	14	11	800	800
				Monday, August 20, 2018	13	13	830	830
Current St. John's Temperature & Windchill:	20 °C		°C	Tuesday, August 21, 2018	14	13	820	820
7-Day Island Peak Demand Forecast:	830	MW		Wednesday, August 22, 2018	14	15	805	805

- Supply Notes For August 16, 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

Wed, Aug 15, 2018	Actual Island Peak Demand ⁸	16:45	724 MW
Thu, Aug 16, 2018	Forecast Island Peak Demand		795 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).