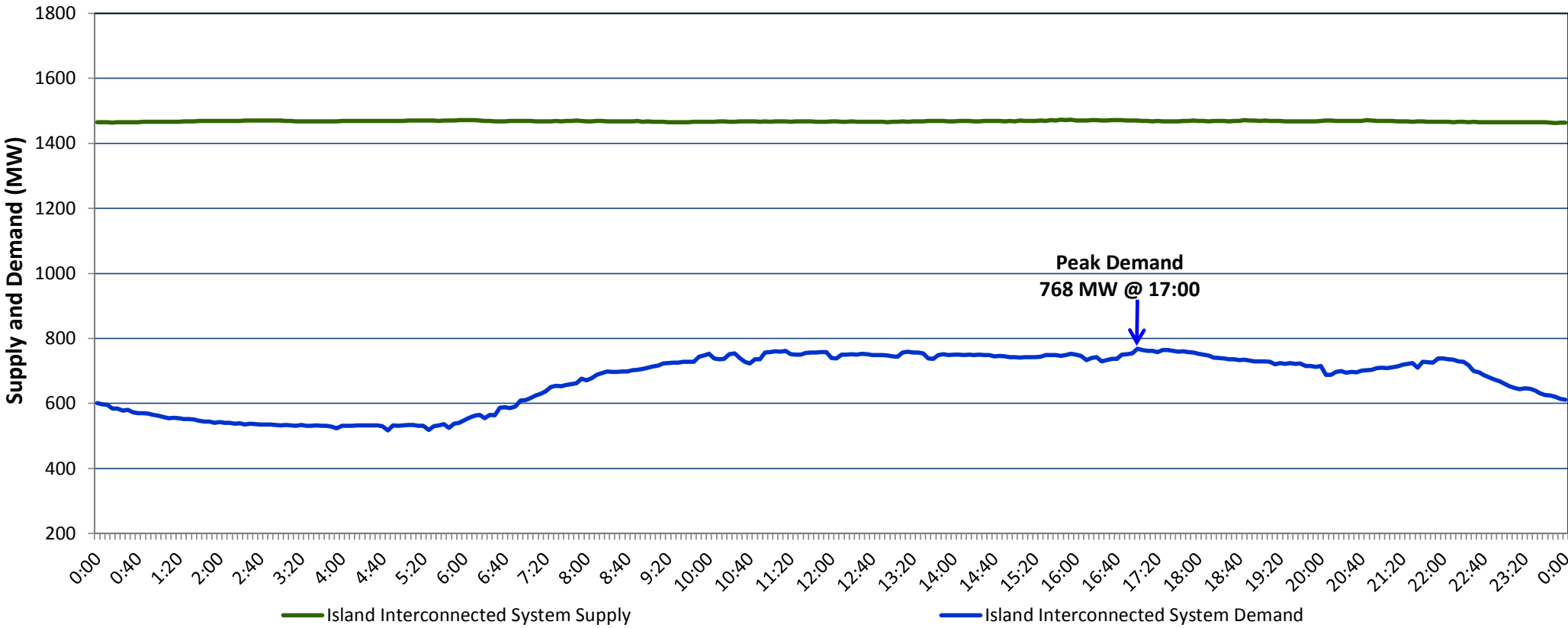


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, July 19, 2017

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, July 18, 2017



Supply Notes For July 18, 2017

- 1,2
- A

As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76. 5 MW).
- B

As of 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- C

As of 0938 hours, June 23, 2017, Holyrood Unit 1 unavailable due to planned outage 120 MW (170 MW).
- D

As of 1851 hours, July 02, 2017, Holyrood Unit 2 available at 165 MW (170 MW).
- E

As of 0604 hours, July 03, 2017, Bay d'Espoir Unit 2 unavailable due to planned outage (76. 5 MW).
- F

As of 1018 hours, July 07, 2017, Granite Canal Unit unavailable due to planned outage (40 MW).
- G

As of 1314 hours, July 11, 2017, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- H

As of 2000 hours, July 14, 2017, Holyrood Unit 3 available but offline for economic dispatch (150 MW).

Section 2
Island Interconnected Supply and Demand

Wed, Jul 19, 2017		Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
				Morning	Evening	
Available Island System Supply: ⁵		1,330 MW	Wednesday, July 19, 2017	19	16	790
NLH Generation: ⁴		1,015 MW	Thursday, July 20, 2017	19	21	780
NLH Power Purchases: ⁶		105 MW	Friday, July 21, 2017	17	17	765
Other Island Generation:		210 MW	Saturday, July 22, 2017	16	15	750
Current St. John's Temperature:		16 °C	Sunday, July 23, 2017	14	15	760
Current St. John's Windchill:		N/A °C	Monday, July 24, 2017	13	16	785
7-Day Island Peak Demand Forecast:		790 MW	Tuesday, July 25, 2017	16	14	780

Supply Notes For July 19, 2017

- 3
- I

At 0653 hours, July 19, 2017, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
- J

At 0739 hours, July 19, 2017, Cat Arm Unit 1 unavailable (67 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 Interconnected System being isolated from 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 Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.

Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Tue, Jul 18, 2017	Actual Island Peak Demand ⁸	17:00	768 MW
Wed, Jul 19, 2017	Forecast Island Peak Demand		790 MW

- Notes:
8.

Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).