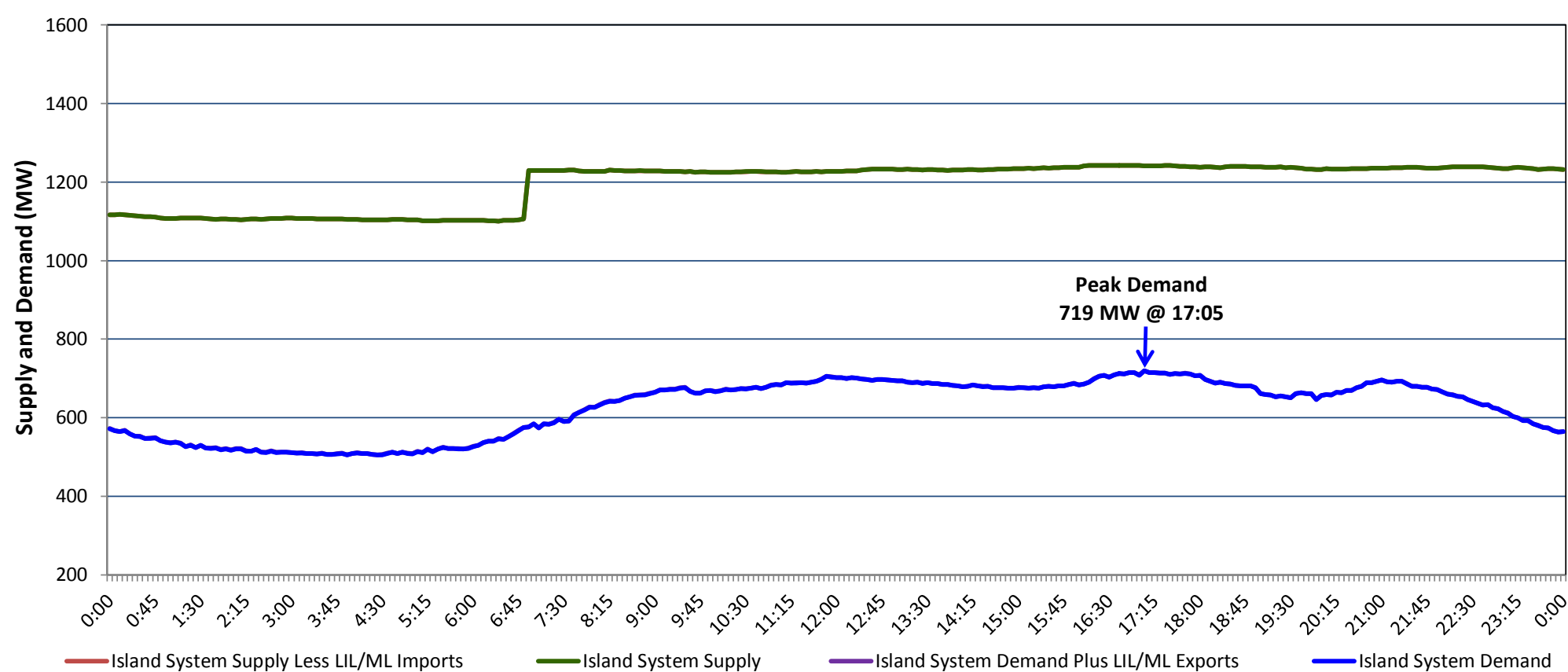


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, August 15, 2018**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, August 14, 2018**



**Supply Notes For August 14, 2018**

- A As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).
- B As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- C As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
- D As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).
- E As of 1600 hours, July 29, 2018, Granite Canal Unit unavailable due to planned outage (40 MW).
- F As of 0823 hours, August 06, 2018, Cat Arm unit 1 unavailable due to planned outage 50 MW (67 MW).
- G As of 1000 hours, August 06, 2018, Cat Arm unit 2 unavailable due to planned outage (67 MW).
- H As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- I At 0652 hours, August 14, 2018, Holyrood Combustion Turbine available (123.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Aug 15, 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>	1,215 MW	Wednesday, August 15, 2018	20	21	765	795
NLH Island Generation: <sup>4</sup>	925 MW	Thursday, August 16, 2018	20	20	780	785
NLH Island Power Purchases: <sup>6</sup>	95 MW	Friday, August 17, 2018	13	12	825	830
Other Island Generation:	195 MW	Saturday, August 18, 2018	13	14	765	775
ML/LIL Imports:	- MW	Sunday, August 19, 2018	12	13	775	780
Current St. John's Temperature & Windchill:	18 °C	Monday, August 20, 2018	14	13	820	830
7-Day Island Peak Demand Forecast:	830 MW	Tuesday, August 21, 2018	14	14	800	810

**Supply Notes For August 15, 2018**

- 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**

Tue, Aug 14, 2018	Actual Island Peak Demand <sup>8</sup>	17:05	719 MW
Wed, Aug 15, 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).