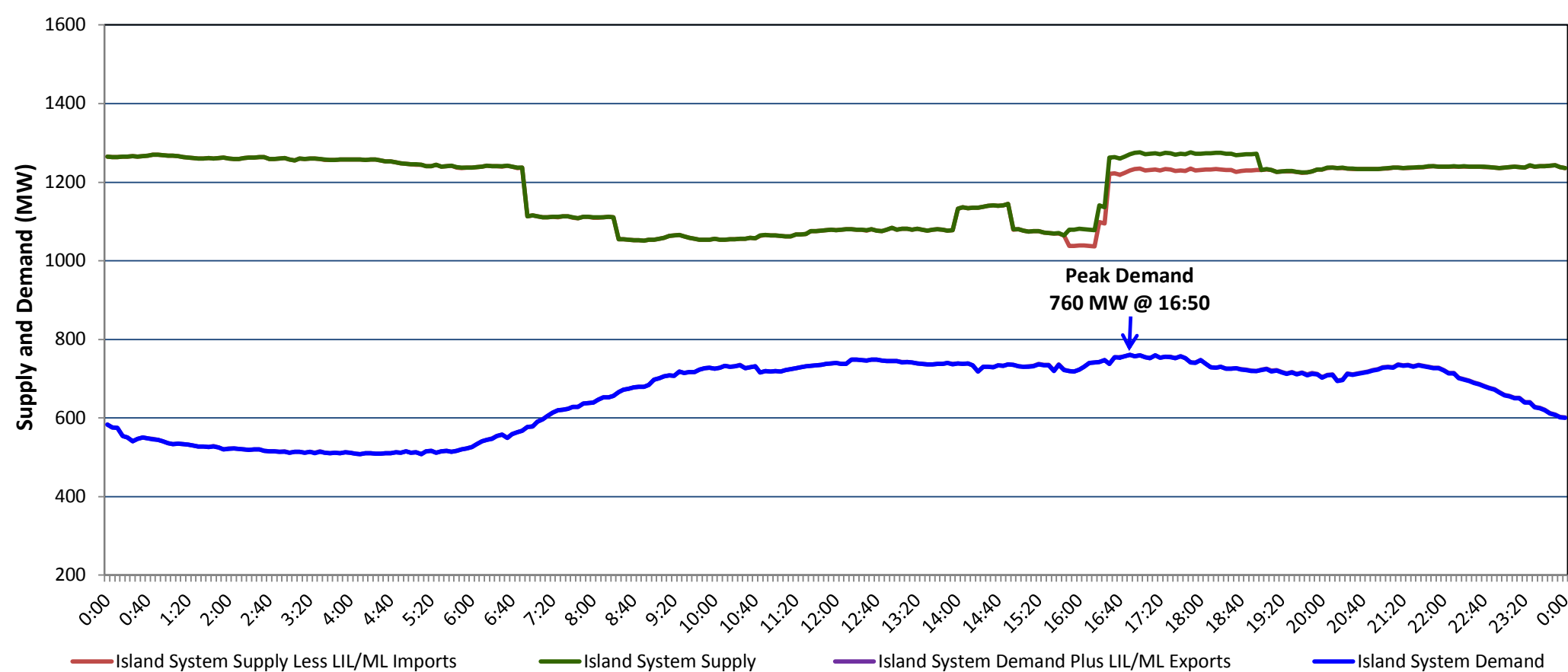


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, July 19, 2018**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, July 18, 2018**



**Supply Notes For July 18, 2018**

- 1,2
- A As of 0801 hours, April 02, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
  - B As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).
  - C As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
  - D As of 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).
  - E As of 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).
  - F As of 1251 hours, July 06, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
  - G As of 0613 hours, July 09, 2018, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
  - H At 0653 hours, July 18, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).
  - I At 0817 hours, July 18, 2018, Cat Arm Unit 1 unavailable due to planned outage 50 MW (67 MW).
  - J At 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).
  - K At 1454 hours, July 18, 2018, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
  - L At 1547 hours, July 18, 2018, Hardwoods Gas Turbine unavailable 25 MW (50 MW).
  - M At 1619 hours, July 18, 2018, Cat Arm Unit 2 available (67 MW).
  - N At 1630 hours, July 18, 2018, Holyrood Combustion Turbine available (123.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, Jul 19, 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>	1,105 MW	Thursday, July 19, 2018	20	19	790	790
NLH Island Generation: <sup>4</sup>	760 MW	Friday, July 20, 2018	17	19	785	785
NLH Island Power Purchases: <sup>6</sup>	150 MW	Saturday, July 21, 2018	19	19	755	755
Other Island Generation:	195 MW	Sunday, July 22, 2018	22	18	745	745
ML/LIL Imports:	- MW	Monday, July 23, 2018	20	20	800	800
Current St. John's Temperature & Windchill:	21 °C	Tuesday, July 24, 2018	14	12	805	805
7-Day Island Peak Demand Forecast:	805 MW	Wednesday, July 25, 2018	12	20	795	795

**Supply Notes For July 19, 2018**

- 3
- O At 0658 hours, July 19, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 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 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, Jul 18, 2018	Actual Island Peak Demand <sup>8</sup>	16:50	760 MW
Thu, Jul 19, 2018	Forecast Island Peak Demand		790 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).