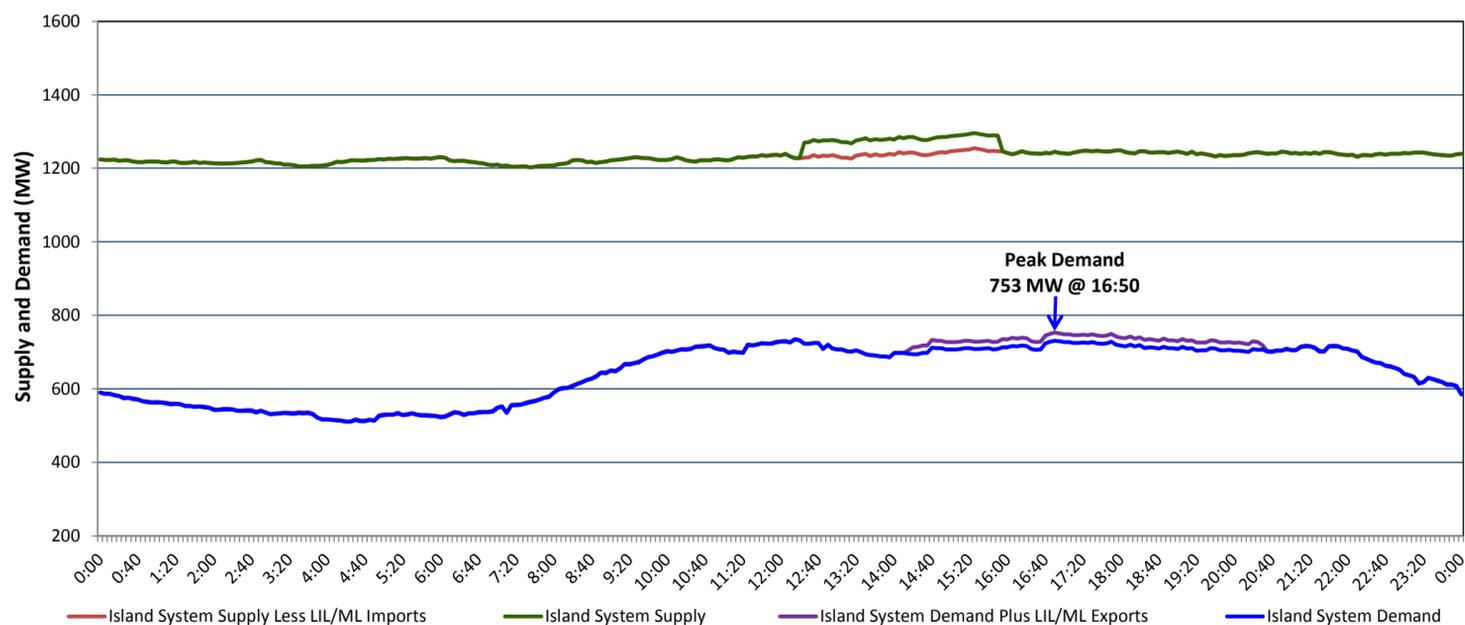


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, July 23, 2018**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Sunday, July 22, 2018**



**Supply Notes For July 22, 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 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
  - C As of 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).
  - D As of 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).
  - E As of 1251 hours, July 06, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
  - F As of 0613 hours, July 09, 2018, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
  - G As of 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).
  - H As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
  - I As of 0826 hours, July 19, 2018, St. Anthony Diesel Plan available at 8.85 MW (9.7 MW).
  - J As of 1329 hours, July 20, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Mon, Jul 23, 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>	1,070 MW	Monday, July 23, 2018	18	20	800	800
NLH Island Generation: <sup>4</sup>	760 MW	Tuesday, July 24, 2018	13	17	790	790
NLH Island Power Purchases: <sup>6</sup>	110 MW	Wednesday, July 25, 2018	19	21	790	790
Other Island Generation:	200 MW	Thursday, July 26, 2018	20	22	795	795
ML/LIL Imports:	- MW	Friday, July 27, 2018	19	21	805	805
Current St. John's Temperature & Windchill:	16 °C	Saturday, July 28, 2018	18	21	745	745
7-Day Island Peak Demand Forecast:	805 MW	Sunday, July 29, 2018	20	19	755	755

**Supply Notes For July 23, 2018**

- 3
- K At 0718 hours, July 23, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).
  - L At 0742 hours, July 23, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 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**

Sun, Jul 22, 2018	Actual Island Peak Demand <sup>8</sup>	16:50	753 MW
Mon, Jul 23, 2018	Forecast Island Peak Demand		800 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).