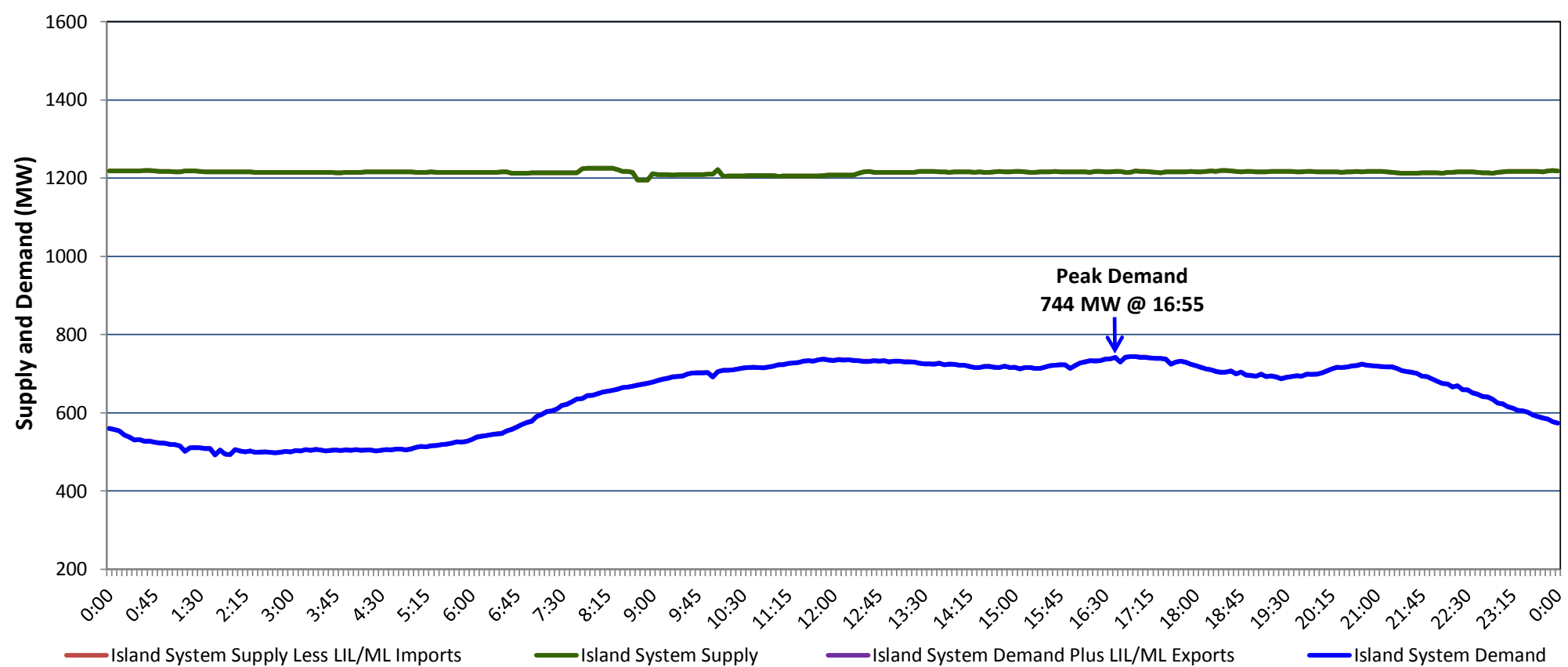


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, August 29, 2018**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, August 28, 2018**



**Supply Notes For August 28, 2018**

- 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 0823 hours, August 06, 2018, Cat Arm unit 1 unavailable due to planned outage 50 MW (67 MW).
- E As of 1000 hours, August 06, 2018, Cat Arm unit 2 unavailable due to planned outage (67 MW).
- F As of 1609 hours, August 07, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- G As of 1118 hours, August 21, 2018, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- H As of 0651 hours, August 24, 2018, Granite Canal Unit available at 37 MW (40 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Aug 29, 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>	1,175 MW	Wednesday, August 29, 2018	20	17	780	780
NLH Island Generation: <sup>4</sup>	880 MW	Thursday, August 30, 2018	15	16	820	820
NLH Island Power Purchases: <sup>6</sup>	105 MW	Friday, August 31, 2018	18	10	845	845
Other Island Generation:	190 MW	Saturday, September 01, 2018	10	9	825	825
ML/LIL Imports:	- MW	Sunday, September 02, 2018	11	14	790	790
Current St. John's Temperature & Windchill: 17 °C	N/A °C	Monday, September 03, 2018	15	15	810	810
7-Day Island Peak Demand Forecast:	845 MW	Tuesday, September 04, 2018	18	18	805	805

**Supply Notes For August 29, 2018**

- I At 0700 hours, August 29, 2018, Granite Canal Unit unavailable due to planned outage 37 MW (40 MW).

- Notes:
- 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.
  - 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).
  - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation, Vale capacity assistance (when applicable).
  - 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 28, 2018	Actual Island Peak Demand <sup>8</sup>	16:55	744 MW
Wed, Aug 29, 2018	Forecast Island Peak Demand		780 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).