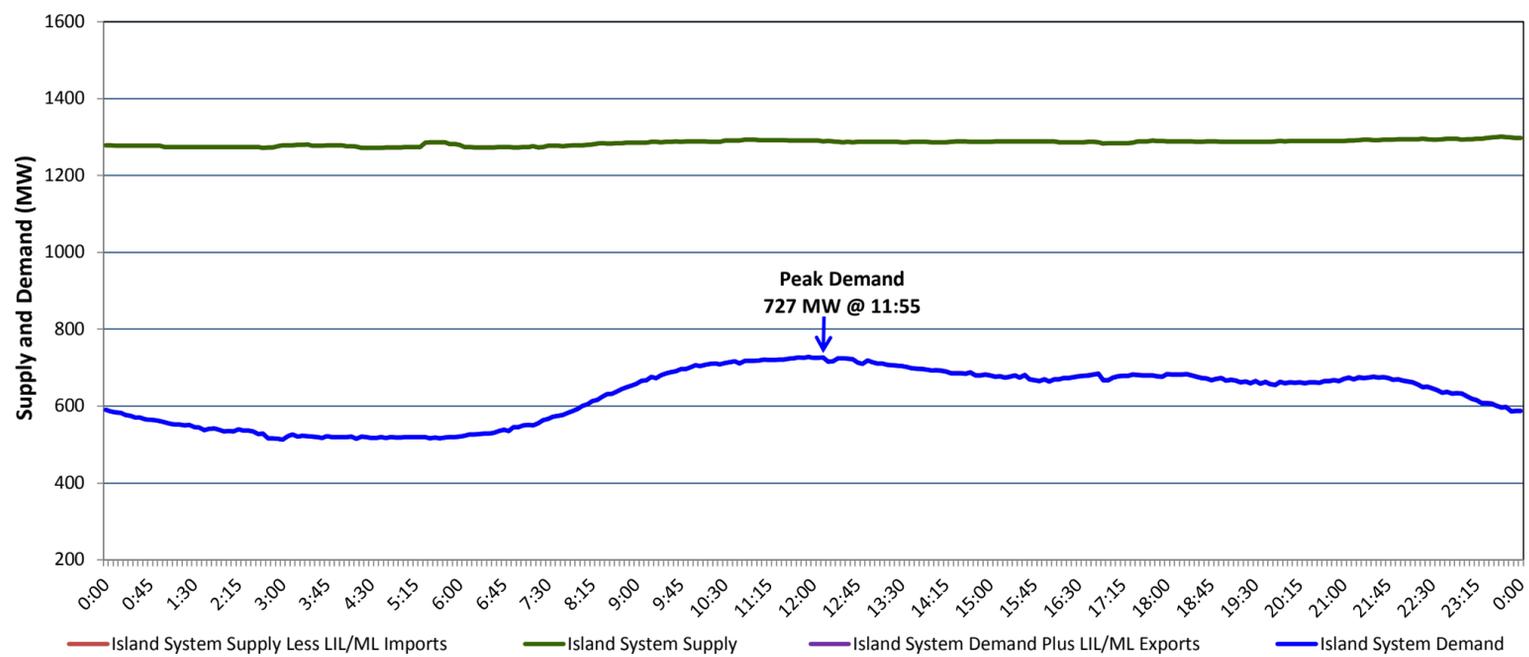


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, July 30, 2018**

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



**Supply Notes For July 28, 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 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).
  - E As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).
  - F As of 0742 hours, July 23, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
  - G As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sun, Jul 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>	1,285 MW	Sunday, July 29, 2018	18	19	755	755
NLH Island Generation: <sup>4</sup>	985 MW	Monday, July 30, 2018	18	19	795	795
NLH Island Power Purchases: <sup>6</sup>	105 MW	Tuesday, July 31, 2018	18	23	805	805
Other Island Generation:	195 MW	Wednesday, August 01, 2018	20	23	805	805
ML/LIL Imports:	-	Thursday, August 02, 2018	20	20	785	785
Current St. John's Temperature & Windchill:	20 °C	Friday, August 03, 2018	19	17	805	805
7-Day Island Peak Demand Forecast:	805 MW	Saturday, August 04, 2018	16	15	750	750

**Supply Notes For July 29, 2018**

- 3
- 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**

Sat, Jul 28, 2018	Actual Island Peak Demand <sup>8</sup>	11:55	727 MW
Sun, Jul 29, 2018	Forecast Island Peak Demand		755 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).