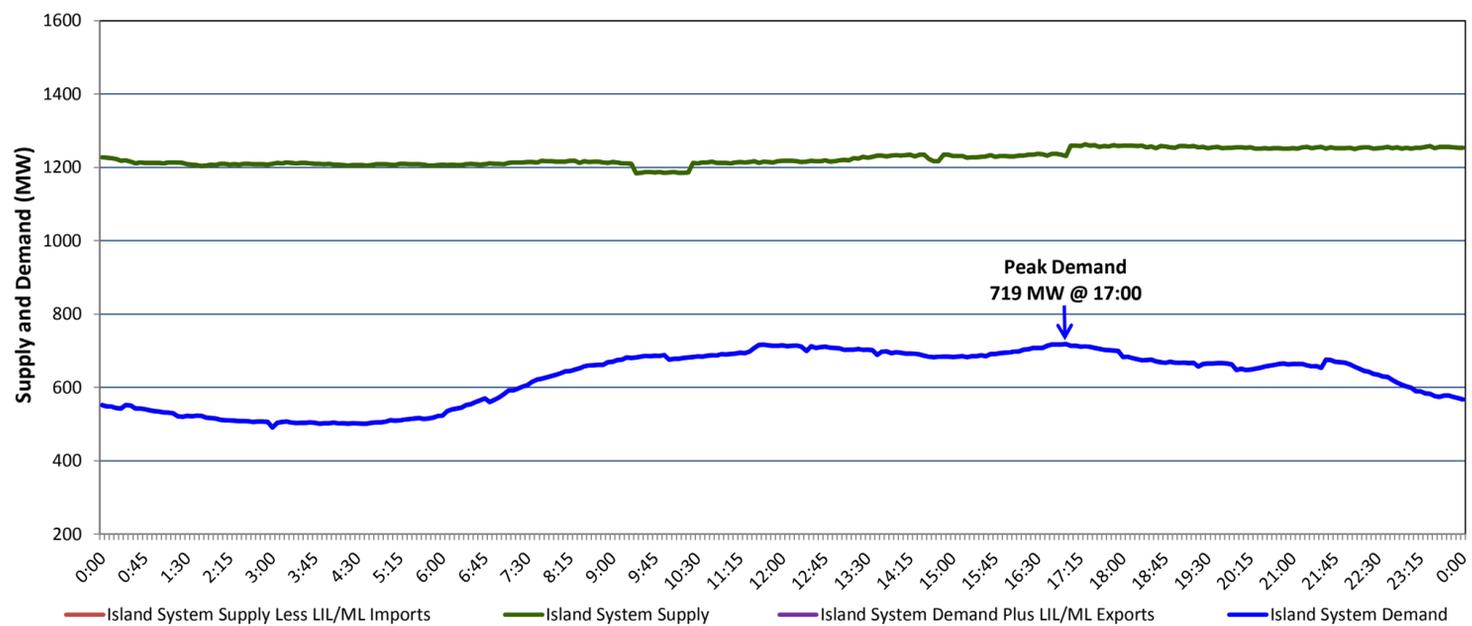


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, August 14, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, August 13, 2019**



**Supply Notes For August 13, 2019**

1,2

- A As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
- B As of 0800 hours, June 17, 2019, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- C As of 1457 hours, June 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- E As of 0800 hours, July 29, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- F As of 1504 hours, August 04, 2019, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
- G At 0922 hours, August 13, 2019, Hardwoods Gas Turbine unavailable 25 MW (50 MW).
- H At 1024 hours, August 13, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).
- I At 1433 hours, August 13, 2019, Paradise River Unit unavailable due to planned outage (8 MW).
- J At 1448 hours, August 13, 2019, Paradise River Unit available (8 MW).
- K At 1703 hours, August 13, 2019, Hardwoods Gas Turbine available at full capacity (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Aug 14, 2019	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>	1,185 MW	Wednesday, August 14, 2019	17	18	760	760
NLH Island Generation: <sup>4</sup>	905 MW	Thursday, August 15, 2019	16	14	790	790
NLH Island Power Purchases: <sup>6</sup>	85 MW	Friday, August 16, 2019	15	14	805	805
Other Island Generation:	195 MW	Saturday, August 17, 2019	14	13	770	770
ML/LIL Imports:	- MW	Sunday, August 18, 2019	15	15	750	750
Current St. John's Temperature & Windchill: 16 °C	N/A °C	Monday, August 19, 2019	18	18	795	795
7-Day Island Peak Demand Forecast:	805 MW	Tuesday, August 20, 2019	17	19	795	795

**Supply Notes For August 14, 2019**

3

- L At 0734 hours, August 14, 2019, Hardwoods Gas Turbine unavailable due to planned outage (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 there may be a requirement for some customer's load to 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 (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
  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 and capacity assistance (when applicable).
  7. Adjusted for curtailable load, market activities 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 13, 2019	Actual Island Peak Demand <sup>8</sup>	17:00	719 MW
Wed, Aug 14, 2019	Forecast Island Peak Demand		760 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).