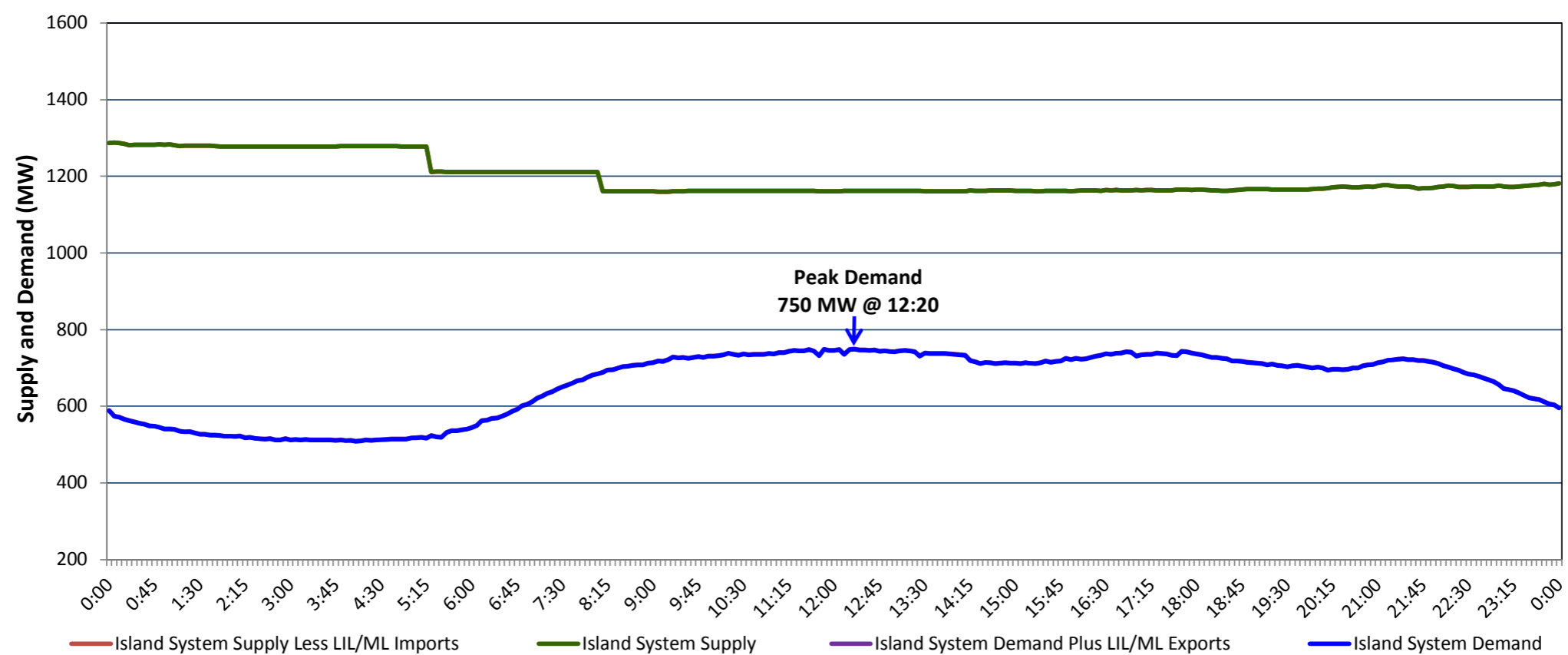


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, August 01, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, July 31, 2019**



**Supply Notes For July 31, 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 0644 hours, July 29, 2019, Paradise River Unit unavailable (8 MW).
  - E As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
  - F As of 0800 hours, July 29, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
  - G At 0503 hours, July 31, 2019, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
  - H At 0808 hours, July 31, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, Aug 01, 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>	1,130 MW	Thursday, August 01, 2019	20	23	770	770
NLH Island Generation: <sup>4</sup>	900 MW	Friday, August 02, 2019	18	21	790	790
NLH Island Power Purchases: <sup>6</sup>	70 MW	Saturday, August 03, 2019	19	22	780	780
Other Island Generation:	160 MW	Sunday, August 04, 2019	21	18	770	770
ML/LIL Imports:	- MW	Monday, August 05, 2019	18	16	805	805
Current St. John's Temperature & Windchill:	17 °C	Tuesday, August 06, 2019	16	17	790	790
7-Day Island Peak Demand Forecast:	805 MW	Wednesday, August 07, 2019	16	15	805	805

**Supply Notes For August 01, 2019**

- 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 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**

Wed, Jul 31, 2019	Actual Island Peak Demand <sup>8</sup>	12:20	750 MW
Thu, Aug 01, 2019	Forecast Island Peak Demand		770 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).