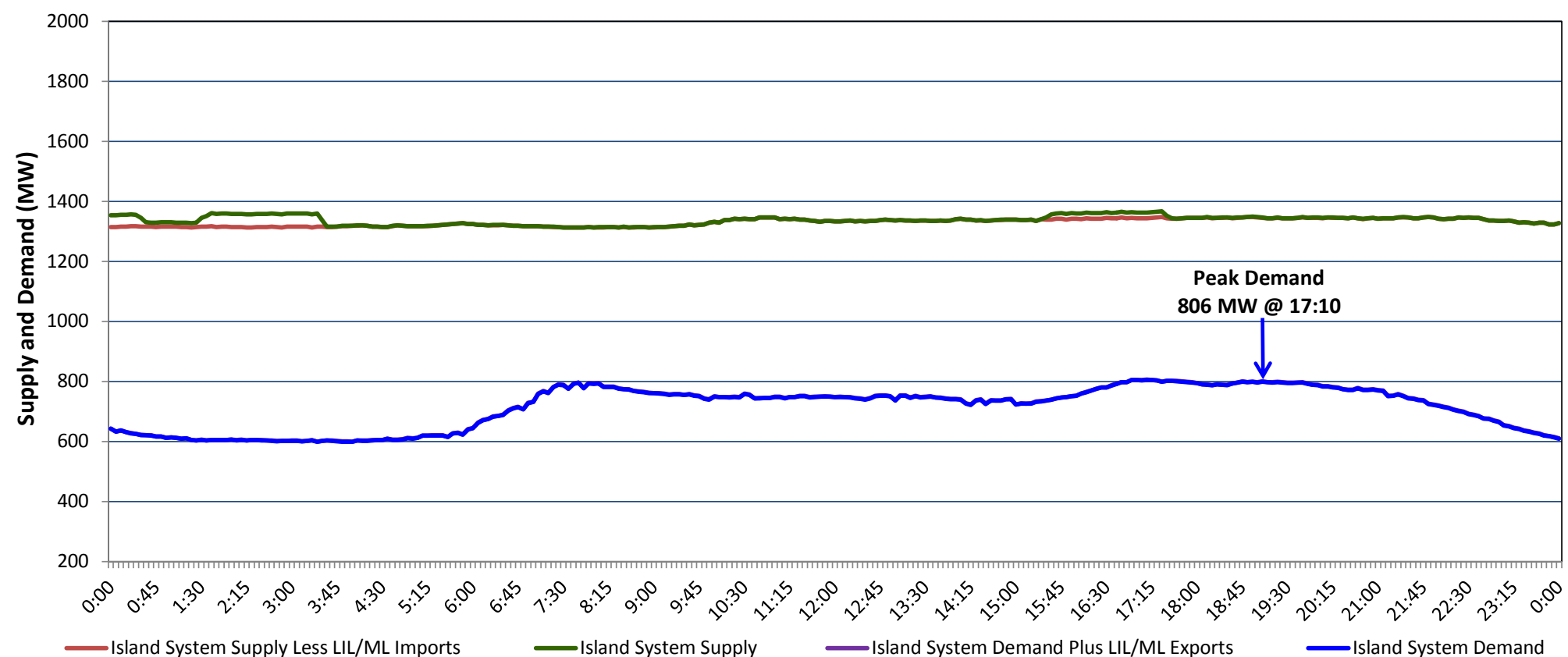


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, October 08, 2020**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, October 07, 2020**



**Supply Notes For October 07, 2020**

- 1,2
- A As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW).
  - B As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW).
  - C As of 1811 hours, September 02, 2020, Holyrood Unit 1 available but not operating (170 MW).
  - D As of 0705 hours, September 22, 2020, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
  - E As of 0734 hours, September 27, 2020, Hinds Lake Unit unavailable due to planned outage (75 MW).
  - F As of 0648 hours, October 05, 2020, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, Oct 08, 2020	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>	1,374 MW	Thursday, October 08, 2020	14	12	820	820
NLH Island Generation: <sup>4</sup>	1,000 MW	Friday, October 09, 2020	9	6	940	940
NLH Island Power Purchases: <sup>6</sup>	95 MW	Saturday, October 10, 2020	5	8	930	930
Other Island Generation:	230 MW	Sunday, October 11, 2020	16	8	865	865
ML/LIL Imports:	49 MW	Monday, October 12, 2020	2	5	995	995
Current St. John's Temperature & Windchill:	13 °C	Tuesday, October 13, 2020	6	8	925	925
7-Day Island Peak Demand Forecast:	995 MW	Wednesday, October 14, 2020	8	10	875	875

**Supply Notes For October 08, 2020**

- 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, Oct 07, 2020	Actual Island Peak Demand <sup>8</sup>	17:10	806 MW
Thu, Oct 08, 2020	Forecast Island Peak Demand		820 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).