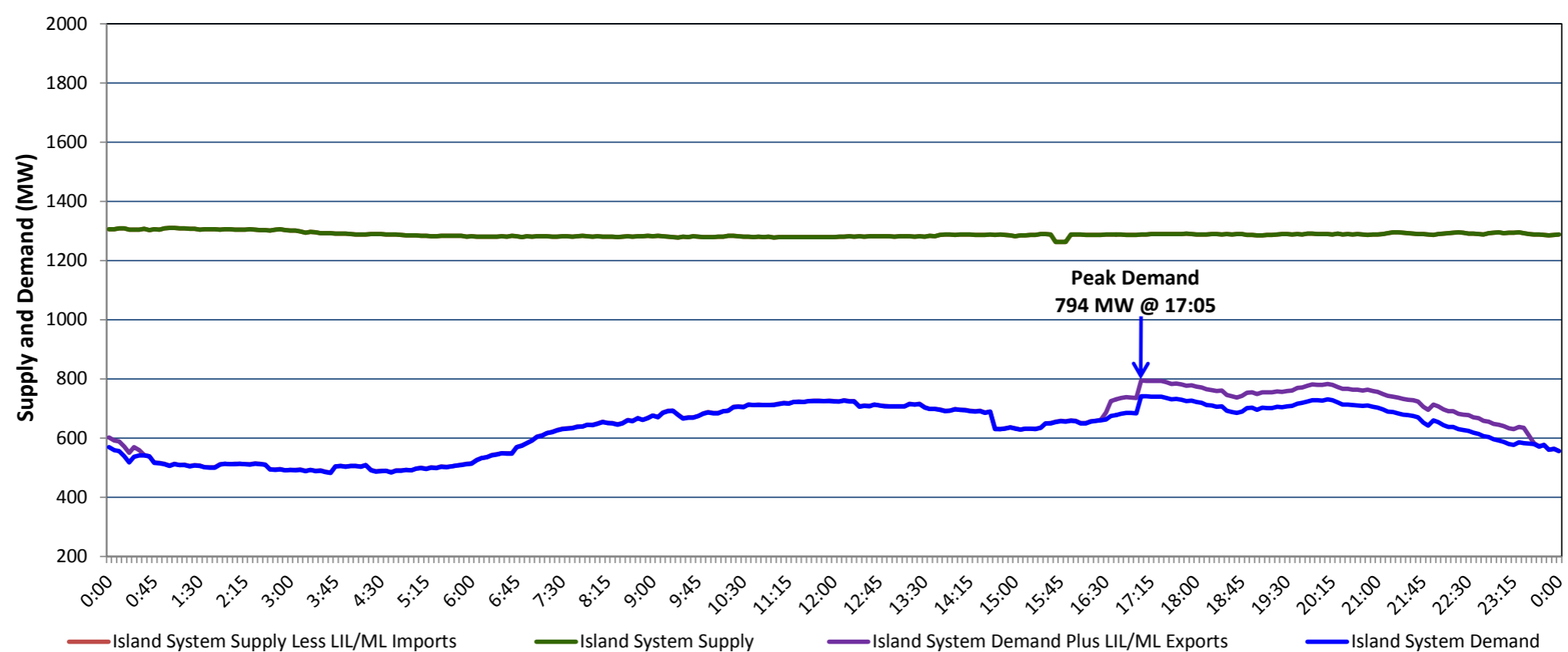


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, September 10, 2020**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, September 09, 2020**



**Supply Notes For September 09, 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 1009 hours, August 23, 2020, Upper Salmon Unit unavailable due to planned outage (84 MW).
  - D As of 1811 hours, September 02, 2020, Holyrood Unit 1 available but not operating (170 MW).
  - E As of 1400 hours, September 07, 2020, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
  - F As of 1400 hours, September 07, 2020, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
  - G **At 1538 hours, September 09, 2020, Hardwoods Gas Turbine available at 25 MW (50 MW).**
  - H **At 1552 hours, September 09, 2020, Hardwoods Gas Turbine available at full capacity (50 MW).**

**Section 2  
Island Interconnected Supply and Demand**

Thu, Sep 10, 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>	1,270 MW	Thursday, September 10, 2020	16	17	755	755
NLH Island Generation: <sup>4</sup>	965 MW	Friday, September 11, 2020	19	10	770	770
NLH Island Power Purchases: <sup>6</sup>	90 MW	Saturday, September 12, 2020	8	12	740	740
Other Island Generation:	215 MW	Sunday, September 13, 2020	10	11	750	750
ML/LIL Imports:	- MW	Monday, September 14, 2020	14	16	695	695
Current St. John's Temperature & Windchill:	15 °C	Tuesday, September 15, 2020	15	10	700	700
7-Day Island Peak Demand Forecast:	770 MW	Wednesday, September 16, 2020	9	11	715	715

**Supply Notes For September 10, 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, Sep 09, 2020	Actual Island Peak Demand <sup>8</sup>	17:05	794 MW
Thu, Sep 10, 2020	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).