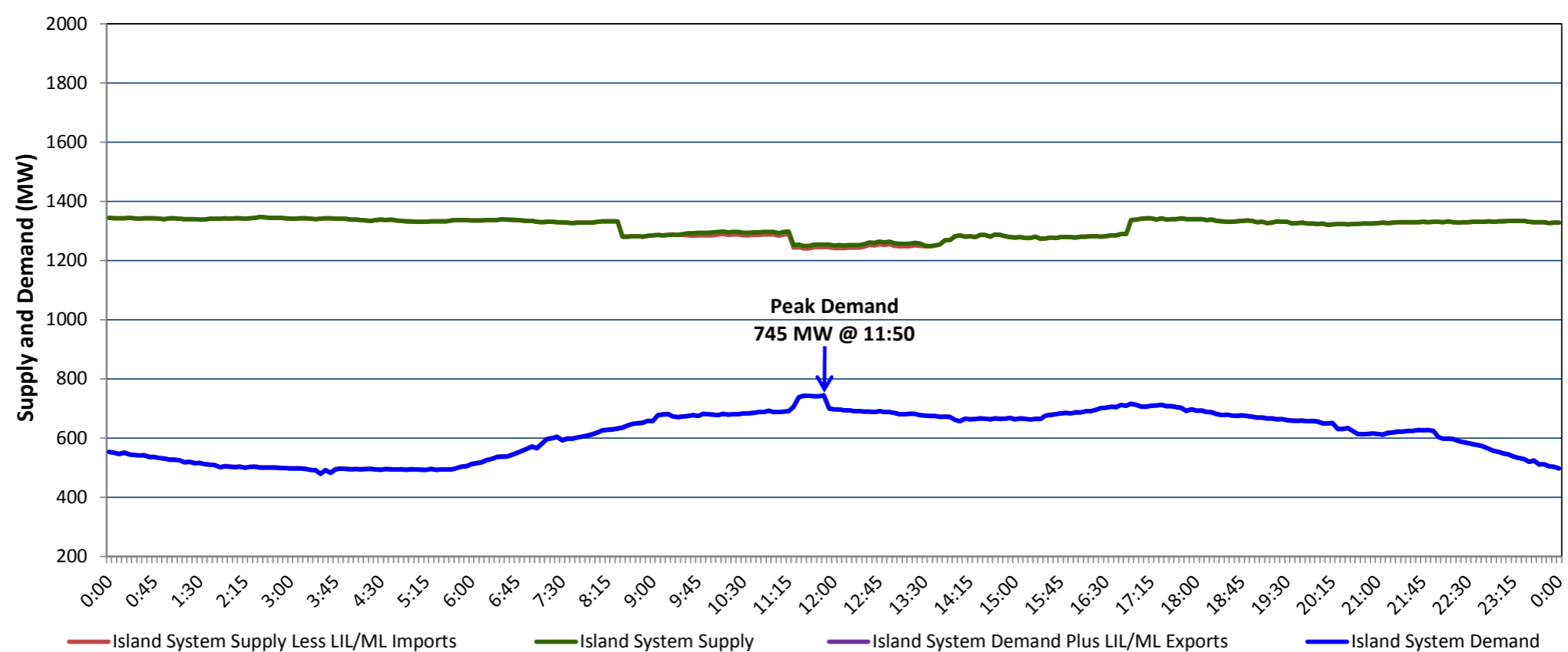


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, July 23, 2020**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, July 22, 2020**



**Supply Notes For July 22, 2020**

1,2

- A As of 1415 hours, June 11, 2020, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- B As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW).
- C As of 1356 hours, July 05, 2020, Granite Canal Unit unavailable due to planned outage 36 MW (40 MW).
- D As of 1000 hours, July 06, 2020, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- E As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- F As of 1006 hours, July 21, 2020, Bay d'Espoir Unit 4 unavailable due to planned outage 45 MW (76.5 MW).
- G **At 0830 hours, July 22, 2020, Stephenville Gas Turbine unavailable due to planned outage (50 MW).**
- H **At 1654 hours, July 22, 2020, Stephenville Gas Turbine available (50 MW).**

**Section 2  
Island Interconnected Supply and Demand**

Thu, Jul 23, 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>	1,360 MW	Thursday, July 23, 2020	17	19	730	730
NLH Island Generation: <sup>4</sup>	1,085 MW	Friday, July 24, 2020	15	14	740	740
NLH Island Power Purchases: <sup>6</sup>	80 MW	Saturday, July 25, 2020	14	18	700	700
Other Island Generation:	195 MW	Sunday, July 26, 2020	16	16	705	705
ML/LIL Imports:	- MW	Monday, July 27, 2020	16	13	760	760
Current St. John's Temperature & Windchill:	16 °C	Tuesday, July 28, 2020	13	12	805	805
7-Day Island Peak Demand Forecast:	805 MW	Wednesday, July 29, 2020	15	14	760	760

**Supply Notes For July 23, 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, Jul 22, 2020	Actual Island Peak Demand <sup>8</sup>	11:50	745 MW
Thu, Jul 23, 2020	Forecast Island Peak Demand		730 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).