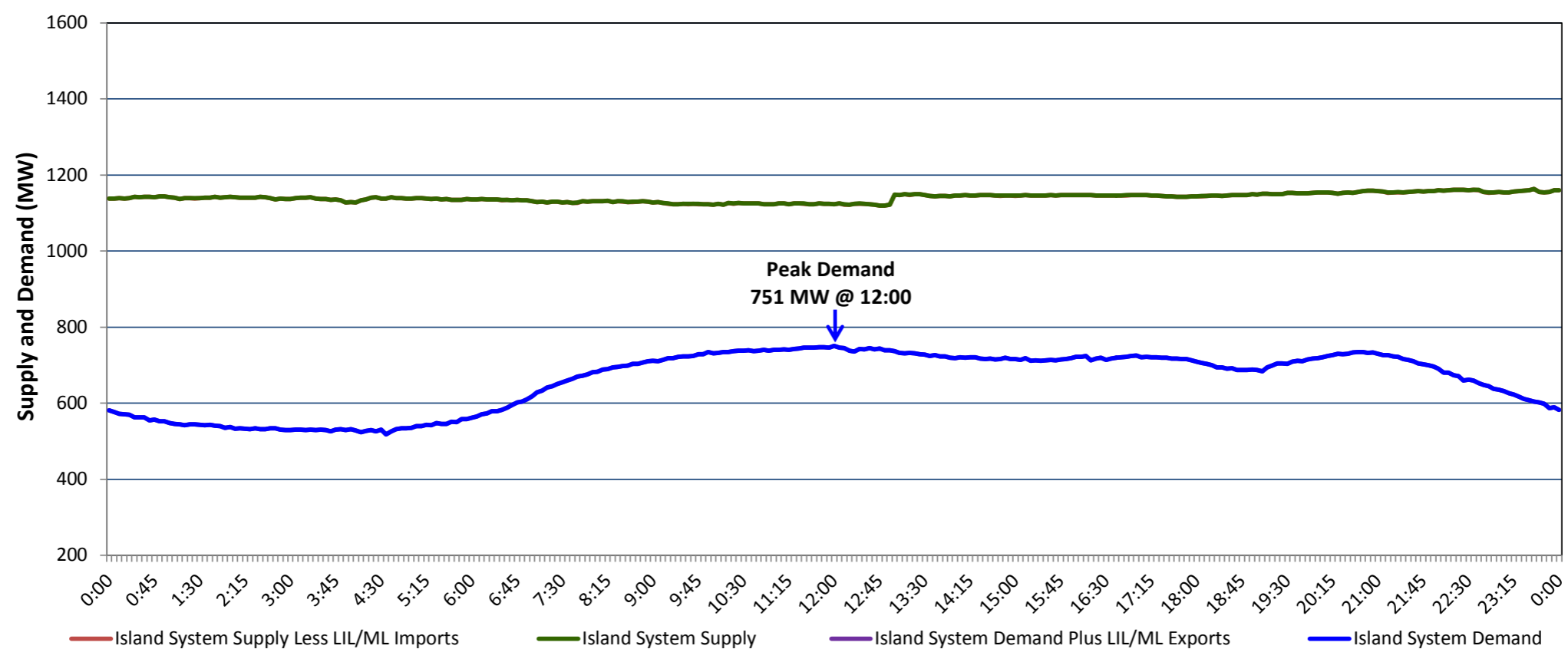


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, August 29, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, August 28, 2019**



Supply Notes For August 28, 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 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
 - D As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
 - E As of 1800 hours, August 22, 2019, Holyrood Unit 3 available but offline for economic dispatch (150 MW).
 - F As of 2308 hours, August 24, 2019, Bay d'Espoir Unit 6 unavailable (76.5 MW).
 - G **At 1300 hours, August 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).**

**Section 2
Island Interconnected Supply and Demand**

Thu, Aug 29, 2019	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,159 MW	Thursday, August 29, 2019	13	11	775	775
NLH Island Generation: ⁴	870 MW	Friday, August 30, 2019	13	16	785	785
NLH Island Power Purchases: ⁶	80 MW	Saturday, August 31, 2019	19	18	715	715
Other Island Generation:	195 MW	Sunday, September 01, 2019	15	12	770	770
ML/LIL Imports:	14 MW	Monday, September 02, 2019	15	14	740	740
Current St. John's Temperature & Windchill:	12 °C	Tuesday, September 03, 2019	14	15	790	790
7-Day Island Peak Demand Forecast:	790 MW	Wednesday, September 04, 2019	16	19	775	775

Supply Notes For August 29, 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, Aug 28, 2019	Actual Island Peak Demand ⁸	12:00	751 MW
Thu, Aug 29, 2019	Forecast Island Peak Demand		775 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).