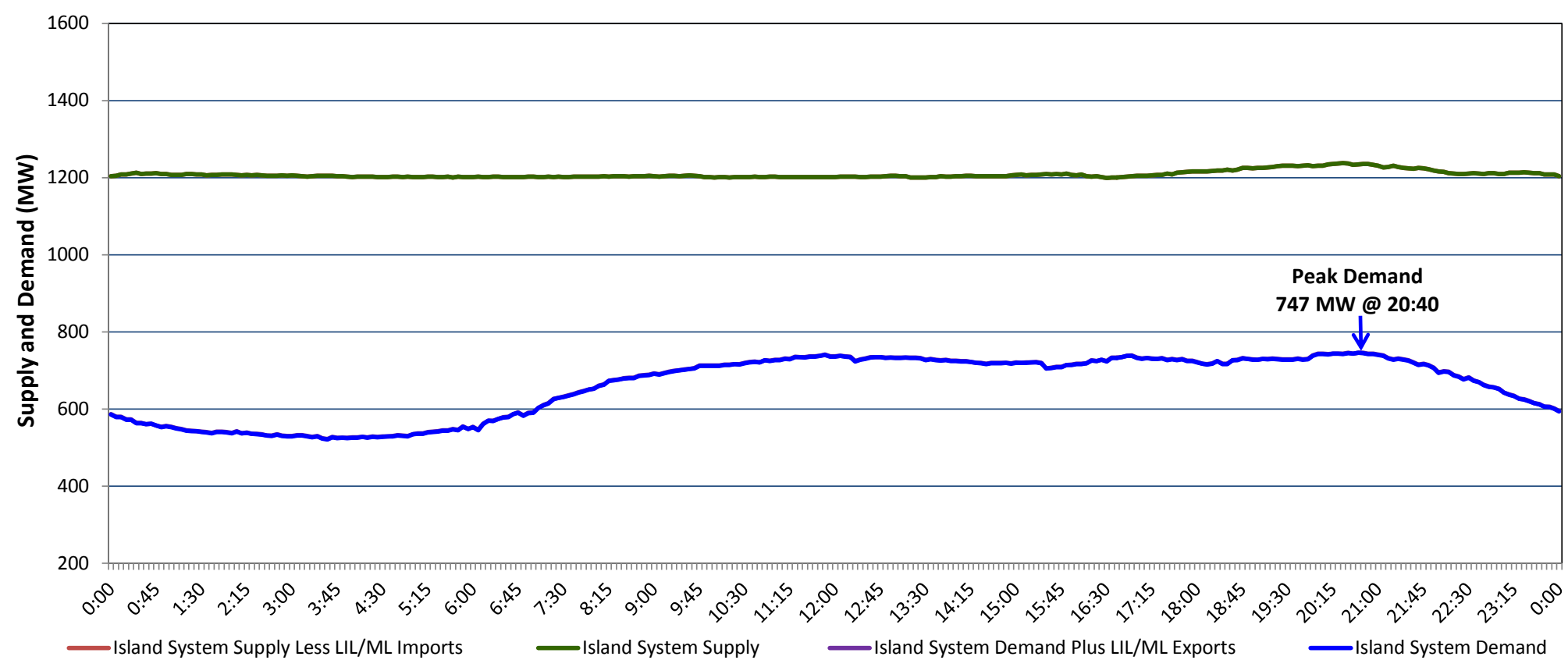


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, August 23, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, August 22, 2019**



Supply Notes For August 22, 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 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
 - E As of 0800 hours, July 29, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
 - F As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Aug 23, 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	1,220 MW	Friday, August 23, 2019	20	21	770	770
NLH Island Generation: ⁴	950 MW	Saturday, August 24, 2019	17	10	780	780
NLH Island Power Purchases: ⁶	75 MW	Sunday, August 25, 2019	12	14	785	785
Other Island Generation:	195 MW	Monday, August 26, 2019	16	17	805	805
ML/LIL Imports:	-	Tuesday, August 27, 2019	16	11	805	805
Current St. John's Temperature & Windchill:	17 °C	Wednesday, August 28, 2019	13	14	850	850
7-Day Island Peak Demand Forecast:	850 MW	Thursday, August 29, 2019	17	20	780	780

Supply Notes For August 23, 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**

Thu, Aug 22, 2019	Actual Island Peak Demand ⁸	20:40	747 MW
Fri, Aug 23, 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).