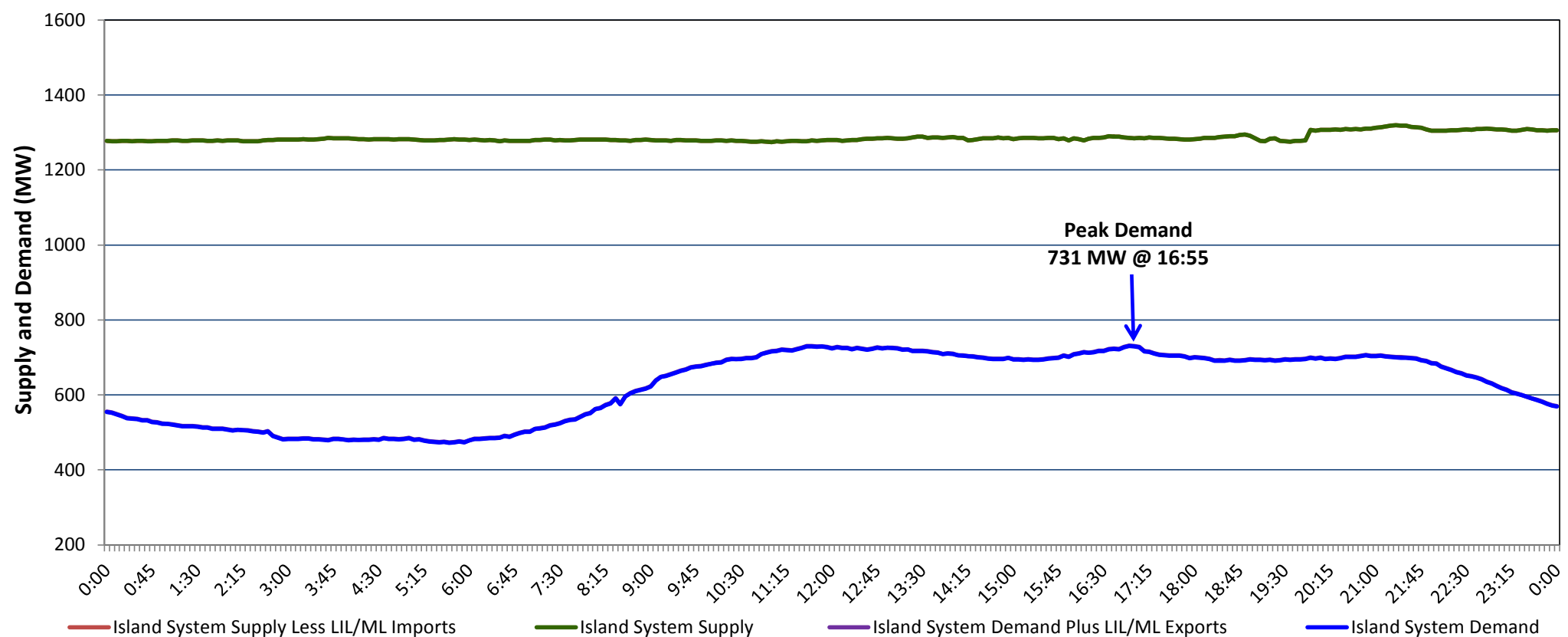


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, July 22, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Sunday, July 21, 2019**



Supply Notes For July 21, 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 1436 hours, June 15, 2019, Holyrood Unit 1 removed from service for economic dispatch (170 MW).
- C As of 0800 hours, June 17, 2019, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- D As of 1457 hours, June 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- E As of 1700 hours, July 19, 2019, Holyrood Unit 3 removed from service for economic dispatch (150 MW).

**Section 2
Island Interconnected Supply and Demand**

Mon, Jul 22, 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	1,270	MW	Monday, July 22, 2019	13	17	775	775
NLH Island Generation: ⁴	1,025	MW	Tuesday, July 23, 2019	14	14	770	770
NLH Island Power Purchases: ⁶	75	MW	Wednesday, July 24, 2019	16	15	745	745
Other Island Generation:	170	MW	Thursday, July 25, 2019	13	18	790	790
ML/LIL Imports:	-	MW	Friday, July 26, 2019	16	16	775	775
Current St. John's Temperature & Windchill:	10 °C	N/A °C	Saturday, July 27, 2019	16	16	745	745
7-Day Island Peak Demand Forecast:	790	MW	Sunday, July 28, 2019	15	13	735	735

Supply Notes For July 22, 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**

Sun, Jul 21, 2019	Actual Island Peak Demand ⁸	16:55	731 MW
Mon, Jul 22, 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).