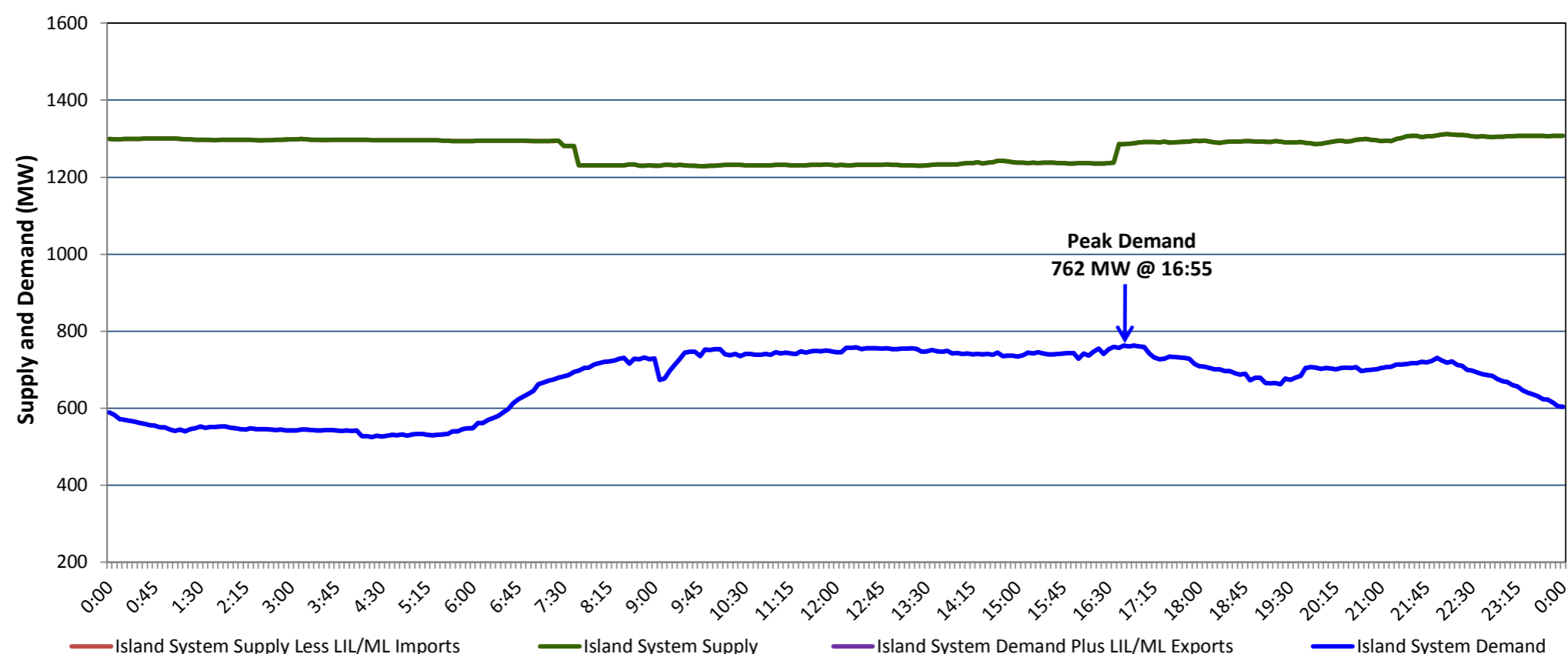


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, July 18, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, July 17, 2019**



Supply Notes For July 17, 2019

- 1,2
- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
 - B As of 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
 - C As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
 - D As of 1436 hours, June 15, 2019, Holyrood Unit 1 removed from service for economic dispatch (170 MW).
 - E As of 0800 hours, June 17, 2019, Holyrood Unit 2 unavailable due to planned outage (170 MW).
 - F As of 1457 hours, June 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
 - G At 0745 hours, July 17, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
 - H At 1639 hours, July 17, 2019, Hardwoods Gas Turbine available (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Jul 18, 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	1,310	MW		Thursday, July 18, 2019	15	15	760	760
NLH Island Generation: ⁴	1,020	MW		Friday, July 19, 2019	16	18	780	780
NLH Island Power Purchases: ⁶	110	MW		Saturday, July 20, 2019	13	9	740	740
Other Island Generation:	180	MW		Sunday, July 21, 2019	10	15	745	745
ML/LIL Imports:	-	MW		Monday, July 22, 2019	16	17	760	760
Current St. John's Temperature & Windchill:	15 °C	N/A	°C	Tuesday, July 23, 2019	17	18	740	740
7-Day Island Peak Demand Forecast:	780	MW		Wednesday, July 24, 2019	18	17	765	765

Supply Notes For July 18, 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, Jul 17, 2019	Actual Island Peak Demand ⁸	16:55	762 MW
Thu, Jul 18, 2019	Forecast Island Peak Demand		760 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).