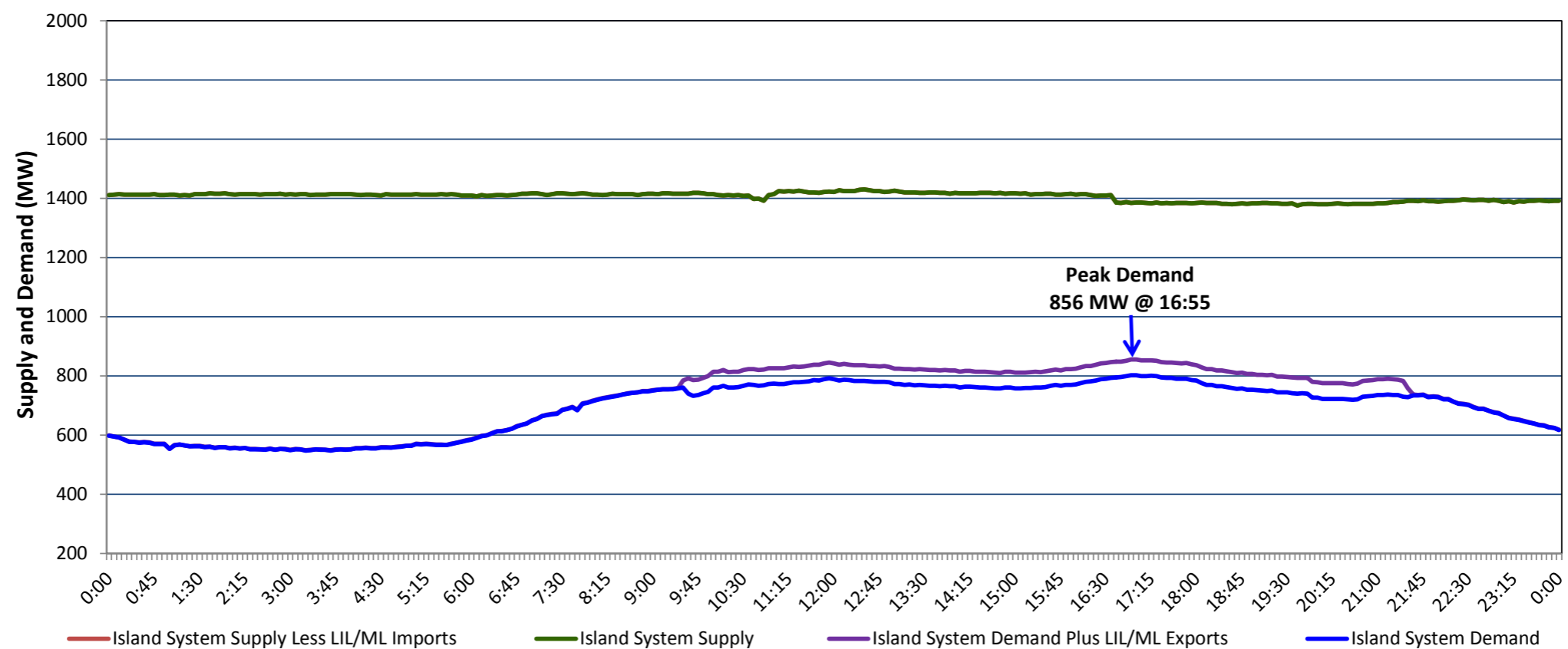


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, July 17, 2020**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, July 16, 2020**



Supply Notes For July 16, 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 1238 hours, July 08, 2020, Bay d'Espoir Unit 4 available at 45 MW (76.5 MW).
 - F As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW).
 - G **At 1636 hours, July 16, 2020, Bay d'Espoir Unit 3 unavailable due to planned outage 25 MW (76.5 MW).**

**Section 2
Island Interconnected Supply and Demand**

Fri, Jul 17, 2020	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	1,385	MW	Friday, July 17, 2020	10	10	775	775
NLH Island Generation: ⁴	1,055	MW	Saturday, July 18, 2020	11	12	720	720
NLH Island Power Purchases: ⁶	120	MW	Sunday, July 19, 2020	15	18	705	705
Other Island Generation:	210	MW	Monday, July 20, 2020	17	18	755	755
ML/LIL Imports:	-	MW	Tuesday, July 21, 2020	20	20	740	740
Current St. John's Temperature & Windchill:	9 °C	N/A °C	Wednesday, July 22, 2020	18	17	720	720
7-Day Island Peak Demand Forecast:	775	MW	Thursday, July 23, 2020	18	18	745	730

Supply Notes For July 17, 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**

Thu, Jul 16, 2020	Actual Island Peak Demand ⁸	16:55	856 MW
Fri, Jul 17, 2020	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).