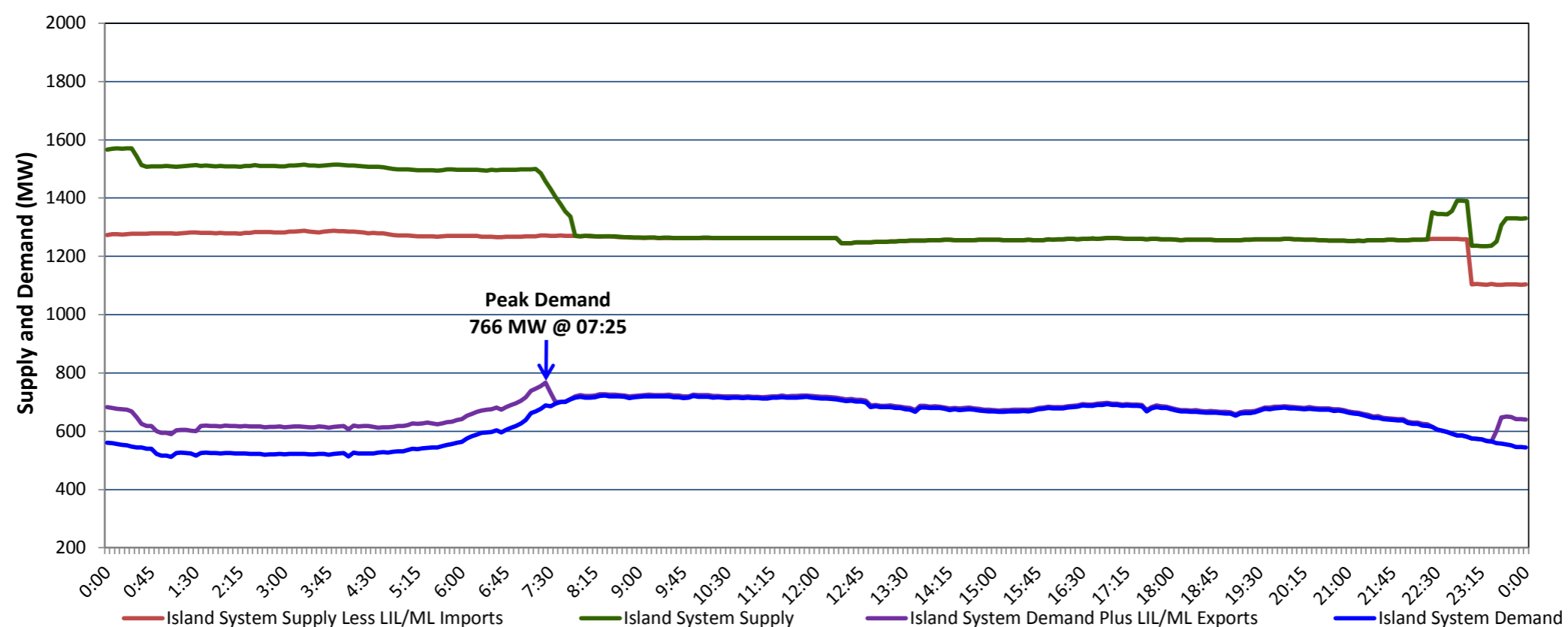


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, September 20, 2021**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Friday, September 17, 2021**



Supply Notes For September 17, 2021

- A As of 0804 hours, May 26, 2021, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- B As of 0850 hours, July 25, 2021, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- C As of 1051 hours, July 25, 2021, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- D As of 1052 hours, August 01, 2021, Upper Salmon Unit unavailable due to planned outage (84 MW).
- E As of 1500 hours, August 12, 2021, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- F As of 1006 hours, September 11, 2021, Holyrood Unit 3 unavailable (150 MW).
- G **At 2304 hours, September 17, 2021, Bay d'Espoir Unit 7 unavailable due to planned outage (154.4 MW).**

**Section 2
Island Interconnected Supply and Demand**

Sat, Sep 18, 2021	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	1,463	MW	Saturday, September 18, 2021	15	17	785	785
NLH Island Generation: ^{4,8}	965	MW	Sunday, September 19, 2021	15	12	875	875
NLH Island Power Purchases: ⁶	105	MW	Monday, September 20, 2021	10	7	905	905
Other Island Generation:	230	MW	Tuesday, September 21, 2021	8	8	795	795
ML/LIL Imports:	163	MW	Wednesday, September 22, 2021	11	12	730	730
Current St. John's Temperature & Windchill:	22 °C	N/A	Thursday, September 23, 2021	13	12	755	755
7-Day Island Peak Demand Forecast:	905	MW	Friday, September 24, 2021	13	11	720	720

Supply Notes For September 18, 2021

- H **At 0148 hours, September 18, 2021, Bay d'Espoir Unit 7 available (154.4 MW).**

- 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.
 8. Due to limitations inherent in the design of combustion turbines, the output of combustion turbines may be reduced in the event that ambient temperatures exceed the threshold required for full rated output. This threshold is dependent on the design of each turbine.

**Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak**

Fri, Sep 17, 2021	Actual Island Peak Demand ⁸	07:25	766 MW
Sat, Sep 18, 2021	Forecast Island Peak Demand		785 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).