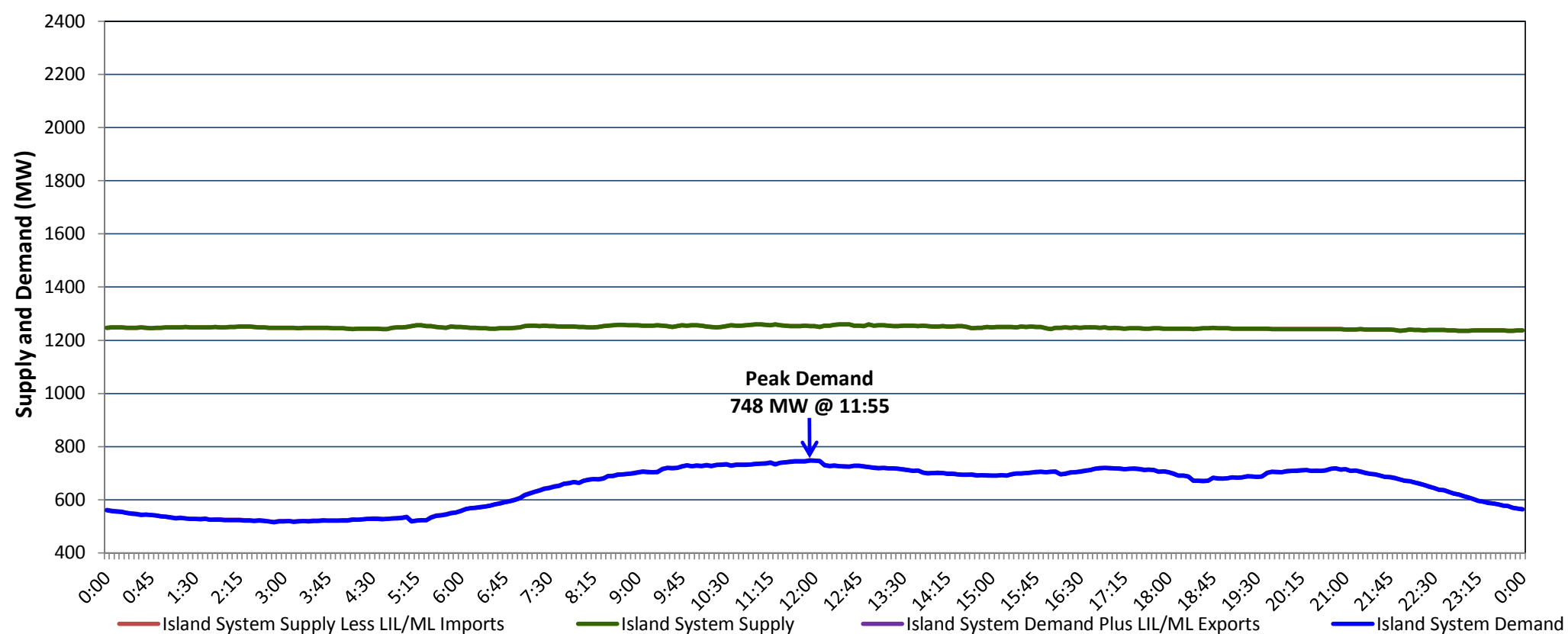


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, September 01, 2021**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, August 31, 2021**



**Supply Notes For August 31, 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 2046 hours, August 27, 2021, Holyrood Unit 3 unavailable due to planned outage (150 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Sep 01, 2021	Island System Outlook <sup>3</sup>			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,260	MW		Wednesday, September 01, 2021	14	15	725	725
NLH Island Generation: <sup>4,8</sup>	965	MW		Thursday, September 02, 2021	17	16	730	730
NLH Island Power Purchases: <sup>6</sup>	70	MW		Friday, September 03, 2021	14	17	795	795
Other Island Generation:	225	MW		Saturday, September 04, 2021	20	17	705	705
ML/LIL Imports:	-	MW		Sunday, September 05, 2021	14	15	725	725
Current St. John's Temperature & Windchill:	13 °C	N/A	°C	Monday, September 06, 2021	12	12	760	760
7-Day Island Peak Demand Forecast:	795	MW		Tuesday, September 07, 2021	13	15	745	745

**Supply Notes For September 01, 2021**

- Notes:
- 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.
  - 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).
  - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
  - Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.
  - 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**

Tue, Aug 31, 2021	Actual Island Peak Demand <sup>8</sup>	11:55	748 MW
Wed, Sep 01, 2021	Forecast Island Peak Demand		725 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).