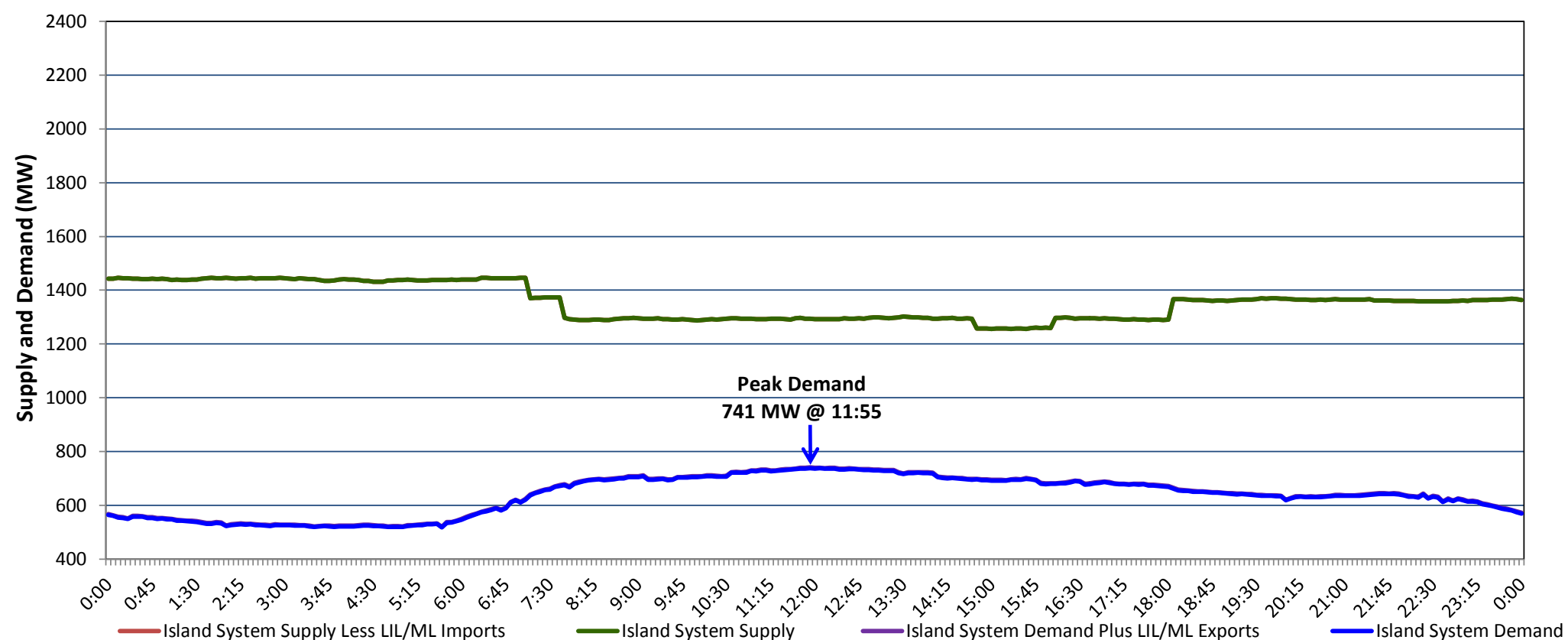


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, June 24, 2021**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, June 22, 2021**



**Supply Notes For June 22, 2021**

- A As of 0805 hours, April 09, 2021, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0804 hours, May 26, 2021, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- C As of 0613 hours, June 11, 2021, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
- D As of 1208 hours, June 11, 2021, Holyrood Unit 2 available but not operating (170 MW).
- E At 0710 hours, June 22, 2021, Hinds Lake Unit unavailable due to planned outage (75 MW).
- F At 0745 hours, June 22, 2021, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
- G At 1442 hours, June 22, 2021, Hardwoods Gas Turbine available at 15 MW (50 MW).
- H At 1602 hours, June 22, 2021, Hardwoods Gas Turbine available at full capacity (50 MW).
- I At 1805 hours, June 22, 2021, Bay d'Espoir Unit 1 available (76.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Jun 23, 2021	Island System Outlook <sup>3</sup>			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening	Forecast <sup>8</sup>	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,400	MW		Wednesday, June 23, 2021	14	20	765	765
NLH Island Generation: <sup>4</sup>	1,050	MW		Thursday, June 24, 2021	16	12	755	755
NLH Island Power Purchases: <sup>6</sup>	115	MW		Friday, June 25, 2021	15	17	765	765
Other Island Generation:	235	MW		Saturday, June 26, 2021	15	16	750	750
ML/LIL Imports:	-	MW		Sunday, June 27, 2021	14	17	750	750
Current St. John's Temperature & Windchill:	14 °C	N/A	°C	Monday, June 28, 2021	17	17	700	700
7-Day Island Peak Demand Forecast:	765	MW		Tuesday, June 29, 2021	22	21	725	725

**Supply Notes For June 23, 2021**

- 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. Hydro is experiencing issues with its forecasting system for days 3-7. Data presented for days 3-7 is generated by Hydro's development forecast system.

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

Tue, Jun 22, 2021	Actual Island Peak Demand <sup>8</sup>	11:55	741 MW
Wed, Jun 23, 2021	Forecast Island Peak Demand		765 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).