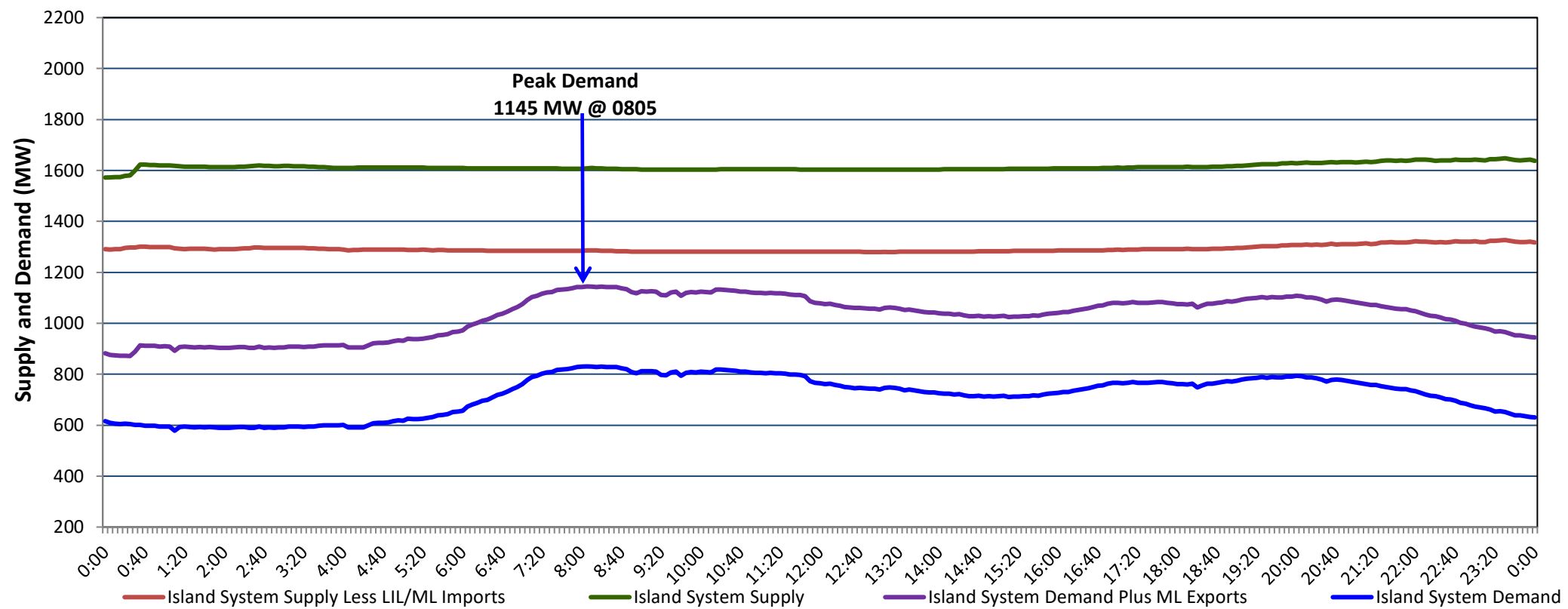


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, September 28, 2023

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Wednesday, September 27, 2023



#### Supply Notes For September 27, 2023 <sup>1,2</sup>

- A As of 0701 hours, March 06, 2023, Upper Salmon Unit unavailable (84 MW).
- B As of 0800 hours, May 21, 2023, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- C As of 0800 hours, July 09, 2023, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- D As of 2059 hours, July 13, 2023, Stephenville Gas Turbine unavailable (50 MW).
- E As of 2238 hours, July 25, 2023, Bay d'Espoir Unit 6 unavailable (76.5 MW).
- F As of 1403 hours, September 20, 2023, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- G As of 2219 hours, September 23, 2023, Holyrood Unit 3 available but not operating (150 MW).

### Section 2 Island Interconnected Supply and Demand

Thu, Sep 28, 2023	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>	1,668 MW	Thursday, September 28, 2023	12	8	1,215	1,215
NLH Island Generation: <sup>4,8</sup>	990 MW	Friday, September 29, 2023	10	11	780	780
NLH Island Power Purchases: <sup>6</sup>	115 MW	Saturday, September 30, 2023	9	9	755	755
Other Island Generation:	205 MW	Sunday, October 1, 2023	12	13	750	750
ML/LIL Imports:	358 MW	Monday, October 2, 2023	13	13	775	775
Current St. John's Temperature & Windchill:	10 °C    N/A °C	Tuesday, October 3, 2023	12	9	800	800
7-Day Island Peak Demand Forecast:	1,215 MW	Wednesday, October 4, 2023	7	6	855	855

#### Supply Notes For September 28, 2023 <sup>3</sup>

- 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

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

Wed, Sep 27, 2023	Actual Island Peak Demand <sup>9</sup>	8:05	1,145 MW
Thu, Sep 28, 2023	Forecast Island Peak Demand		1,215 MW

- Notes: <sup>9</sup> 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).