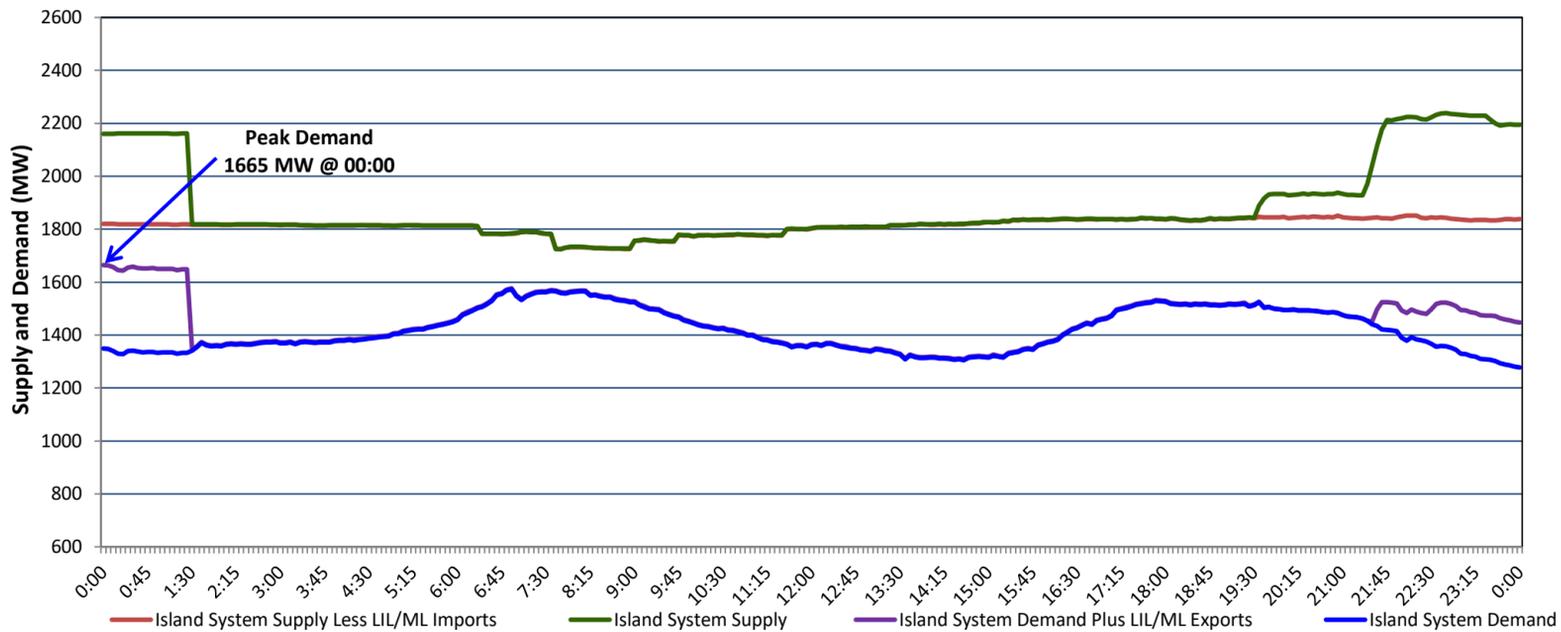


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, February 03, 2023**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Thursday, February 02, 2023**



**Supply Notes For February 02, 2023**

- 1,2
- A As of 0605 hours, February 01, 2023, Holyrood Unit 1 unavailable (170 MW).
  - B As of 1900 hours, February 01, 2023, Granite Canal Unit available at 20 MW (40 MW).
  - C As of 1908 hours, February 01, 2023, Upper Salmon Unit available at 60 MW (84 MW).
  - D At 0625 hours, February 02, 2023, Stephenville Gas Turbine available at 25 MW (50 MW).
  - E At 0740 hours, February 02, 2023, Holyrood Unit 2 available at 145 MW (170 MW).
  - F At 0740 hours, February 02, 2023, Holyrood Unit 3 available at 120 MW (150 MW).
  - G At 0858 hours, February 02, 2023, Holyrood Unit 3 available at full capacity (150 MW).
  - H At 0942 hours, February 02, 2023, Stephenville Gas Turbine available at full capacity (50 MW).
  - I At 1132 hours, February 02, 2023, Holyrood Unit 2 available at full capacity (170 MW).

**Section 2  
Island Interconnected Supply and Demand**

Fri, Feb 03, 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>	2,139 MW	Friday, February 3, 2023	-5	1	1,635	1,536
NLH Island Generation: <sup>4,8</sup>	1,480 MW	Saturday, February 4, 2023	-8	-12	1,680	1,581
NLH Island Power Purchases: <sup>6</sup>	130 MW	Sunday, February 5, 2023	-8	-5	1,475	1,378
Other Island Generation:	230 MW	Monday, February 6, 2023	3	3	1,350	1,254
ML/LIL Imports:	299 MW	Tuesday, February 7, 2023	-6	-7	1,475	1,378
Current St. John's Temperature & Windchill:	-5 °C -13 °C	Wednesday, February 8, 2023	-6	0	1,400	1,304
7-Day Island Peak Demand Forecast:	1,680 MW	Thursday, February 9, 2023	2	-4	1,400	1,304

**Supply Notes For February 03, 2023**

- 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.
  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**

Thu, Feb 02, 2023	Actual Island Peak Demand <sup>9</sup>	0:00	1,665 MW
Fri, Feb 03, 2023	Forecast Island Peak Demand		1,635 MW

Notes: 9. 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).