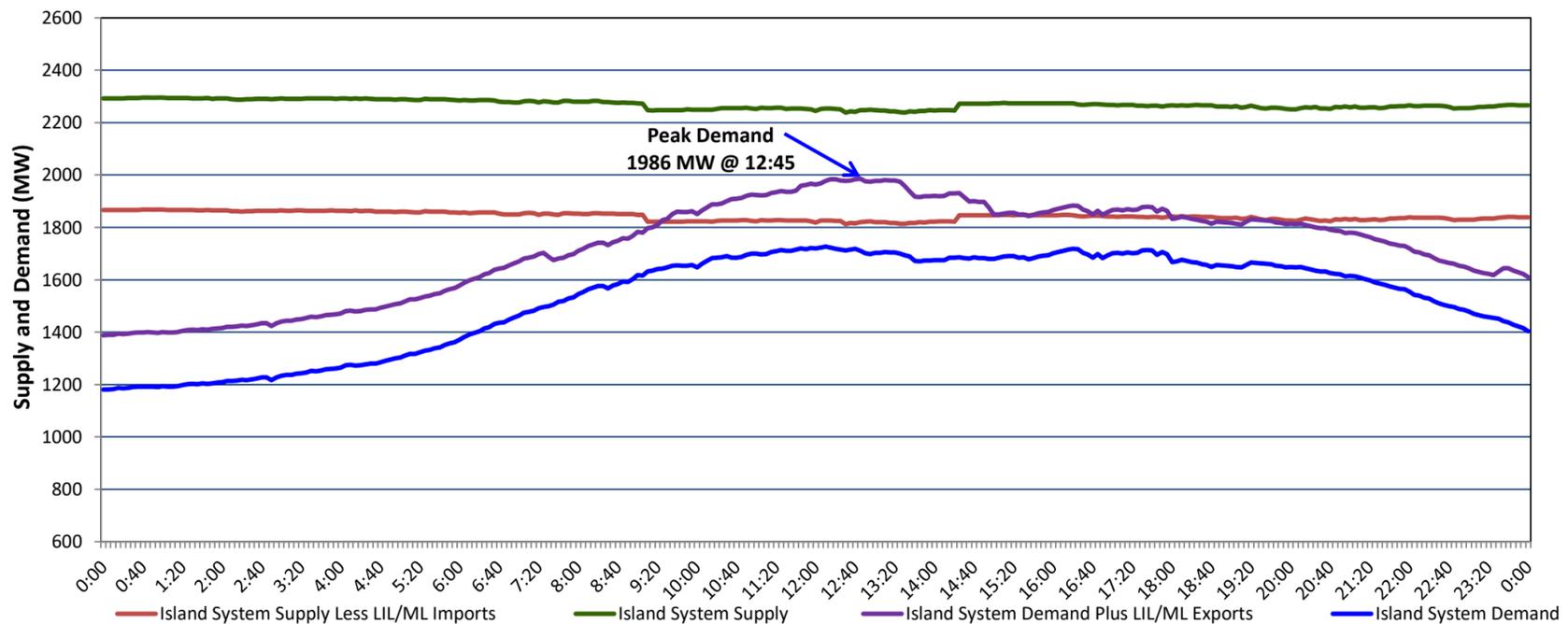


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, February 06, 2023

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Saturday, February 04, 2023



#### Supply Notes For February 04, 2023

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- 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 0914 hours, February 04, 2023, Hardwoods Gas Turbine available at 25 MW (50 MW).  
 E At 1421 hours, February 04, 2023, Hardwoods Gas Turbine available at full capacity (50 MW).

### Section 2 Island Interconnected Supply and Demand

Sun, Feb 05, 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>	2,252	MW	Sunday, February 5, 2023	-8	-5	1,715	1,665
NLH Island Generation: <sup>4,8</sup>	1,480	MW	Monday, February 6, 2023	3	0	1,575	1,477
NLH Island Power Purchases: <sup>6</sup>	105	MW	Tuesday, February 7, 2023	-6	-5	1,530	1,432
Other Island Generation:	230	MW	Wednesday, February 8, 2023	-1	-2	1,400	1,304
ML/LIL Imports:	437	MW	Thursday, February 9, 2023	-4	-8	1,480	1,383
Current St. John's Temperature & Windchill:	-9 °C	-19 °C	Friday, February 10, 2023	-7	-4	1,485	1,388
7-Day Island Peak Demand Forecast:	1,715	MW	Saturday, February 11, 2023	-6	-5	1,455	1,358

#### Supply Notes For February 05, 2023

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- 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

Sat, Feb 04, 2023	Actual Island Peak Demand <sup>9</sup>	12:45	1,986 MW
Sun, Feb 05, 2023	Forecast Island Peak Demand		1,715 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).