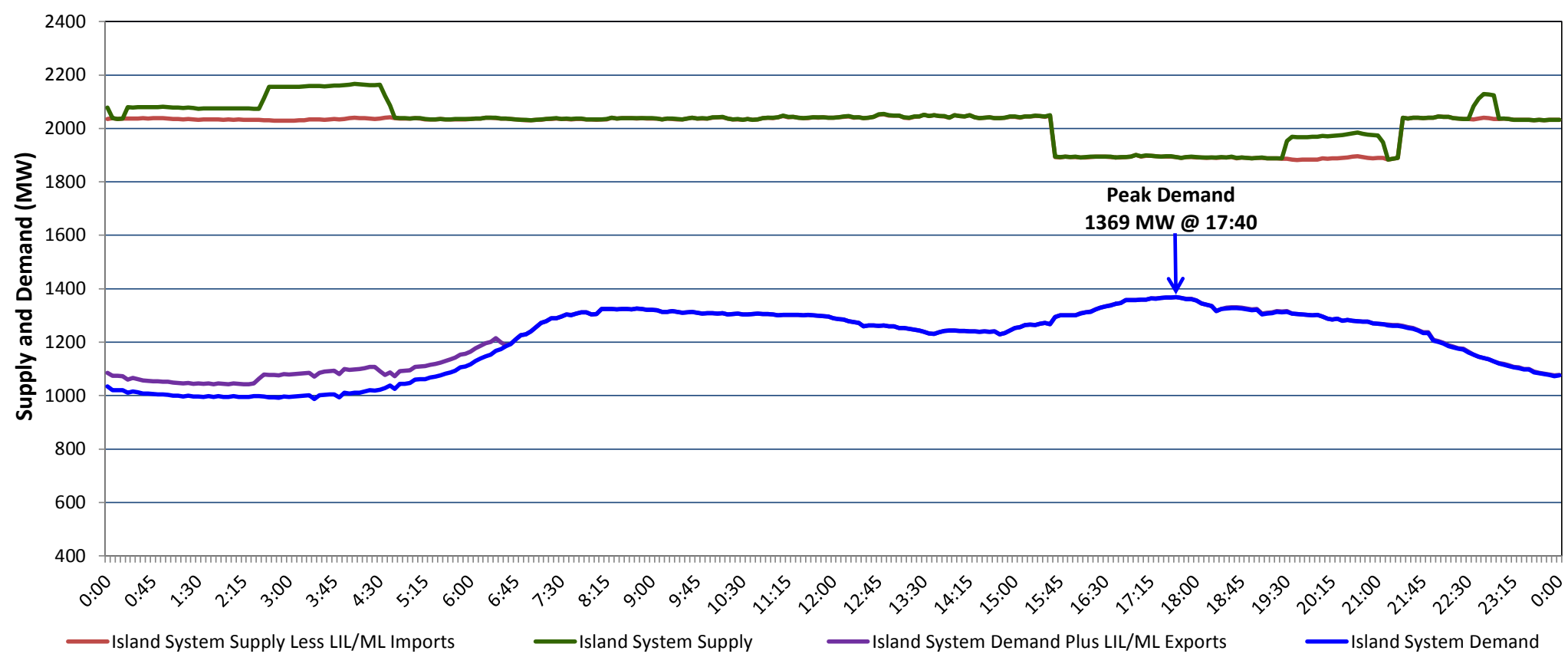


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, February 02, 2021

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Monday, February 01, 2021



#### Supply Notes For February 01, 2021

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- A At 0900 hours, February 01, 2021, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
- B At 1537 hours, February 01, 2021, Holyrood Unit 3 unavailable (150 MW).
- C At 1600 hours, February 01, 2021, St. Anthony Diesel Plant available at full capacity (9.7 MW).
- D At 2120 hours, February 01, 2021, Holyrood Unit 3 available (150 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Feb 02, 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>	2,035 MW	Tuesday, February 02, 2021	-4	-4	1,360	1,256
NLH Island Generation: <sup>4</sup>	1,690 MW	Wednesday, February 03, 2021	-1	5	1,345	1,241
NLH Island Power Purchases: <sup>6</sup>	100 MW	Thursday, February 04, 2021	5	1	1,135	1,034
Other Island Generation:	245 MW	Friday, February 05, 2021	2	0	1,225	1,123
ML/LIL Imports:	-	Saturday, February 06, 2021	0	2	1,215	1,113
Current St. John's Temperature & Windchill:	-5 °C    -10 °C	Sunday, February 07, 2021	0	-1	1,240	1,138
7-Day Island Peak Demand Forecast:	1,360 MW	Monday, February 08, 2021	-3	0	1,350	1,246

#### Supply Notes For February 02, 2021

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- E At 0800 hours, February 02, 2021, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).

- 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.

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

Mon, Feb 01, 2021	Actual Island Peak Demand <sup>8</sup>	17:40	1,369 MW
Tue, Feb 02, 2021	Forecast Island Peak Demand		1,360 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).