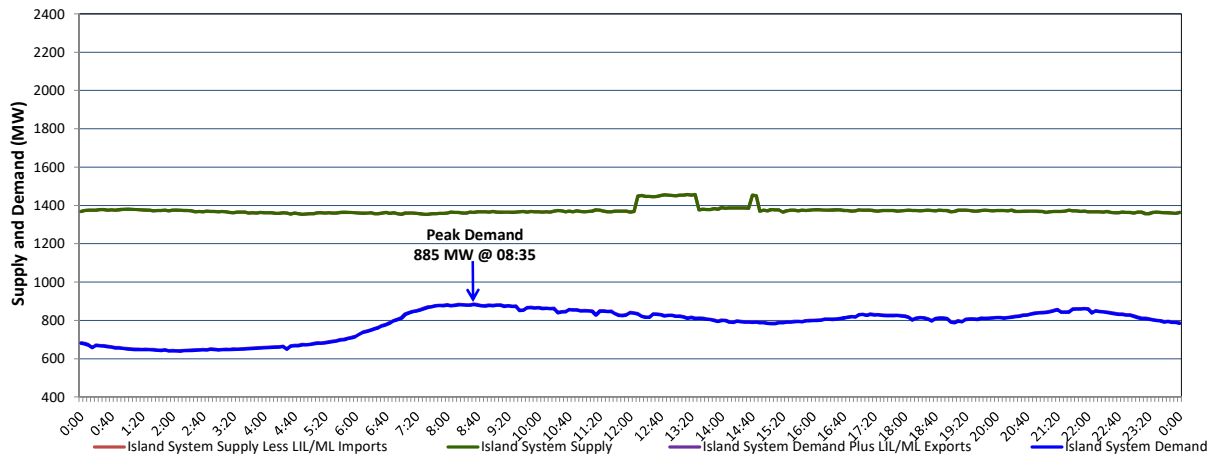


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, May 31, 2021

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Friday, May 28, 2021



#### Supply Notes For May 28, 2021

- 1,2
- A As of 0805 hours, April 09, 2021, Holyrood Unit 3 unavailable due to planned outage (150 MW).
  - B As of 1226 hours, May 21, 2021, Holyrood Unit 2 available but not operating (170 MW).
  - C As of 0830 hours, May 25, 2021, Stephenville Gas Turbine unavailable due to planned outage (50 MW).
  - D As of 0804 hours, May 26, 2021, Holyrood Unit 1 unavailable due to planned outage (170 MW).
  - E At 1210 hours, May 28, 2021, Bay d'Espoir Unit 2 available (76.5 MW).
  - F At 1330 hours, May 28, 2021, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
  - G At 1440 hours, May 28, 2021, Cat Arm Unit 2 available (67 MW).
  - H At 1442 hours, May 28, 2021, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).

### Section 2 Island Interconnected Supply and Demand

Sat, May 29, 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>	1,310	MW		Saturday, May 29, 2021	7	6	870	870
NLH Island Generation: <sup>4</sup>	925	MW		Sunday, May 30, 2021	8	10	840	840
NLH Island Power Purchases: <sup>6</sup>	150	MW		Monday, May 31, 2021	11	11	890	890
Other Island Generation:	235	MW		Tuesday, June 1, 2021	14	14	805	805
ML/LIL Imports:	-	MW		Wednesday, June 2, 2021	11	9	825	825
Current St. John's Temperature & Windchill:	6 °C	N/A	°C	Thursday, June 3, 2021	11	13	805	805
7-Day Island Peak Demand Forecast:	890	MW		Friday, June 4, 2021	14	9	805	805

#### Supply Notes For May 29, 2021

- 3
- I At 0749 hours, May 29, 2021, Bay d'Espoir Unit 1 unavailable (76.5 MW).

- Notes:
- 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.
  - 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).
  - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
  - 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

Fri, May 28, 2021	Actual Island Peak Demand <sup>8</sup>	8:35	885 MW
Sat, May 29, 2021	Forecast Island Peak Demand		870 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).