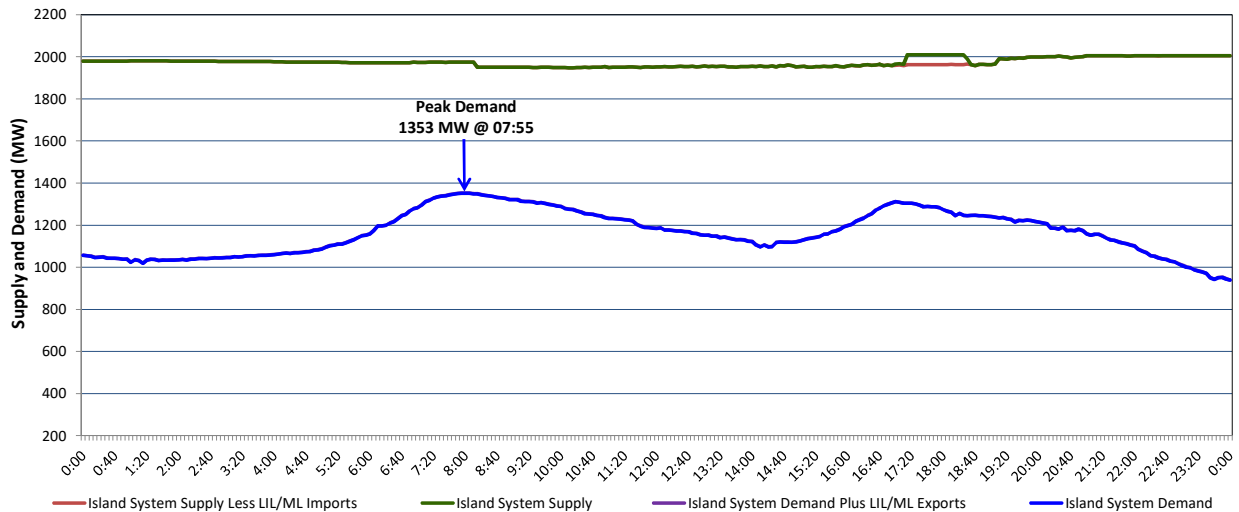


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, November 24, 2020

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Monday, November 23, 2020



#### Supply Notes For November 23, 2020

1,2

**A** At 0815 hours, November 23, 2020, Hardwoods Gas Turbine available at 25 MW (50 MW).

**B** At 1908 hours, November 23, 2020, Hardwoods Gas Turbine available at full capacity (50 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Nov 24, 2020	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>	1,890	MW	Tuesday, November 24, 2020	9	3	1,150	1,057
NLH Island Generation: <sup>4</sup>	1,600	MW	Wednesday, November 25, 2020	-3	-6	1,320	1,225
NLH Island Power Purchases: <sup>6</sup>	60	MW	Thursday, November 26, 2020	-3	-2	1,310	1,215
Other Island Generation:	230	MW	Friday, November 27, 2020	0	6	1,200	1,106
ML/LIL Imports:	-	MW	Saturday, November 28, 2020	10	8	1,025	933
Current St. John's Temperature & Windchill:	7 °C	N/A °C	Sunday, November 29, 2020	7	5	1,115	1,022
7-Day Island Peak Demand Forecast:	1,320	MW	Monday, November 30, 2020	2	1	1,190	1,096

#### Supply Notes For November 24, 2020

3

**C** At 0631 hours, November 24, 2020, Upper Salmon Unit unavailable due to planned outage (84 MW).

**D** At 0730 hours, November 24, 2020, St. Anthony Diesel Plant unavailable due to planned outage (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, Nov 23, 2020	Actual Island Peak Demand <sup>8</sup>	7:55	1,353 MW
Tue, Nov 24, 2020	Forecast Island Peak Demand		1,150 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).