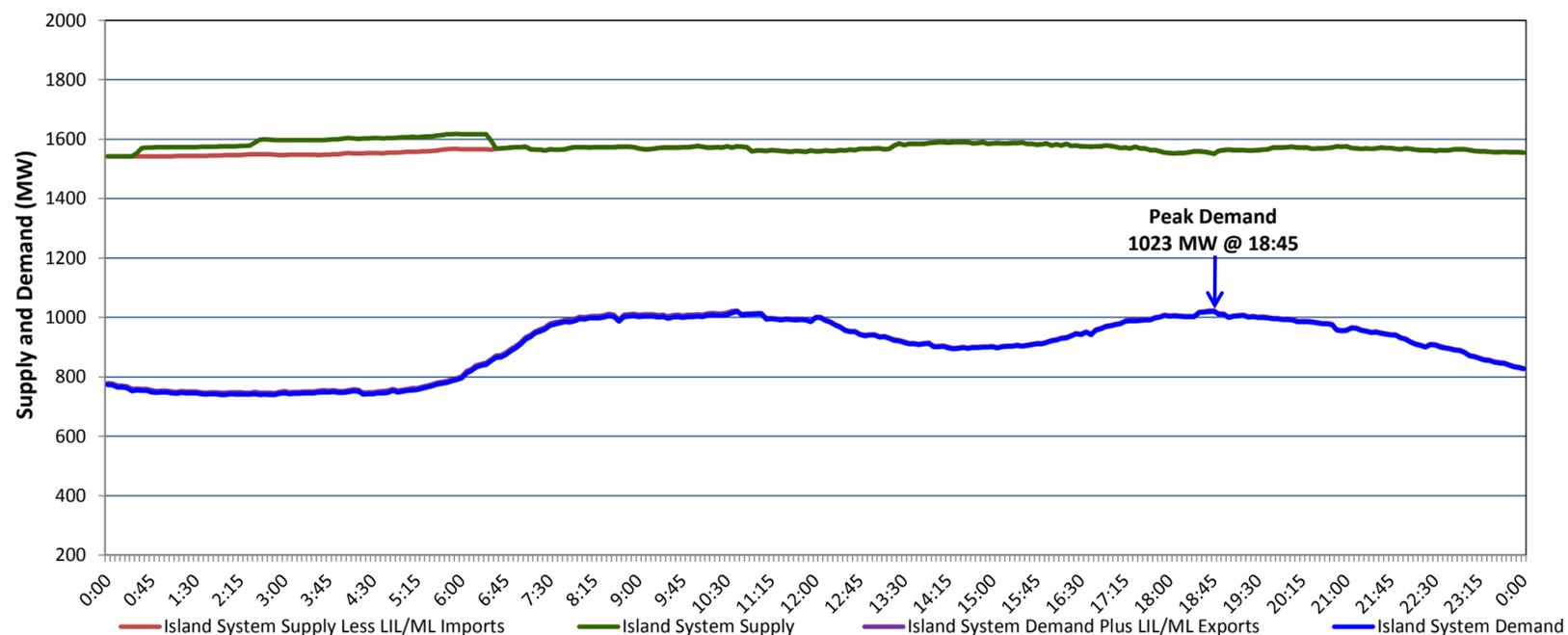


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, November 05, 2021

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, November 04, 2021



#### Supply Notes For November 04, 2021 <sup>1,2</sup>

- A As of 0804 hours, May 26, 2021, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- B As of 0850 hours, July 25, 2021, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- C As of 1006 hours, September 11, 2021, Holyrood Unit 3 unavailable (150 MW).
- D As of 0852 hours, November 01, 2021, Cat Arm Unit 1 unavailable due to planned outage (67 MW).

### Section 2 Island Interconnected Supply and Demand

Fri, Nov 05, 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>	1,540	MW	Friday, November 05, 2021		1	3	1,115	1,022
NLH Island Generation: <sup>4,8</sup>	1,230	MW	Saturday, November 06, 2021		3	3	1,055	963
NLH Island Power Purchases: <sup>6</sup>	105	MW	Sunday, November 07, 2021		4	6	1,030	938
Other Island Generation:	205	MW	Monday, November 08, 2021		7	7	1,030	1,018
ML/LIL Imports:	-	MW	Tuesday, November 09, 2021		6	6	1,015	1,003
Current St. John's Temperature & Windchill:	1 °C	N/A	Wednesday, November 10, 2021		4	7	1,010	998
7-Day Island Peak Demand Forecast:	1,115	MW	Thursday, November 11, 2021		4	2	1,015	923

#### Supply Notes For November 05, 2021 <sup>3</sup>

- 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, Nov 04, 2021	Actual Island Peak Demand <sup>8</sup>	18:45	1,023 MW
Fri, Nov 05, 2021	Forecast Island Peak Demand		1,115 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).