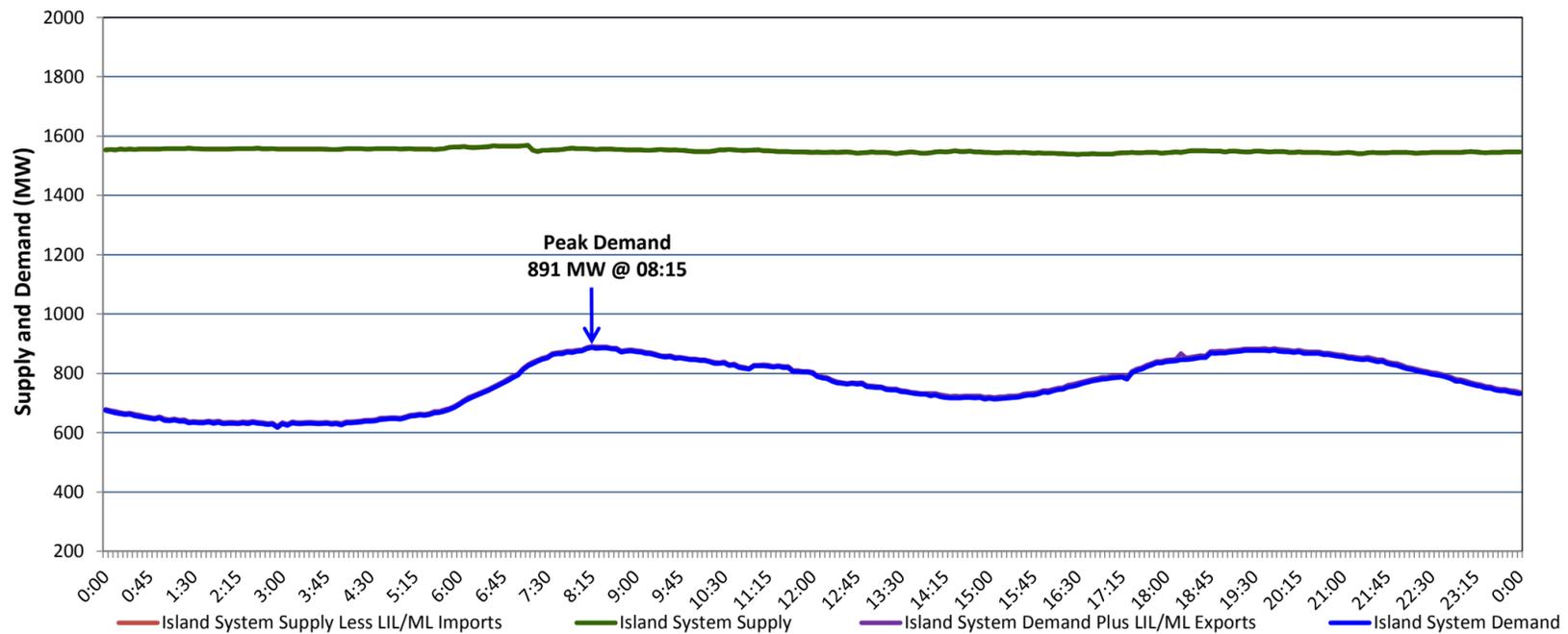


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, November 03, 2021

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, November 02, 2021



#### Supply Notes For November 02, 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

Wed, Nov 03, 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	Wednesday, November 03, 2021		4	3	1,030	938	
NLH Island Generation: <sup>4,8</sup>	1,230	MW	Thursday, November 04, 2021		4	5	1,040	948	
NLH Island Power Purchases: <sup>6</sup>	105	MW	Friday, November 05, 2021		2	2	1,070	978	
Other Island Generation:	205	MW	Saturday, November 06, 2021		2	2	1,070	978	
ML/LIL Imports:	-	MW	Sunday, November 07, 2021		2	6	1,105	1,012	
Current St. John's Temperature & Windchill:	2 °C	N/A	°C	Monday, November 08, 2021		4	6	1,055	963
7-Day Island Peak Demand Forecast:	1,105	MW	Tuesday, November 09, 2021		9	6	1,090	997	

#### Supply Notes For November 03, 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

Tue, Nov 02, 2021	Actual Island Peak Demand <sup>8</sup>	08:15	891 MW
Wed, Nov 03, 2021	Forecast Island Peak Demand		1,030 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).