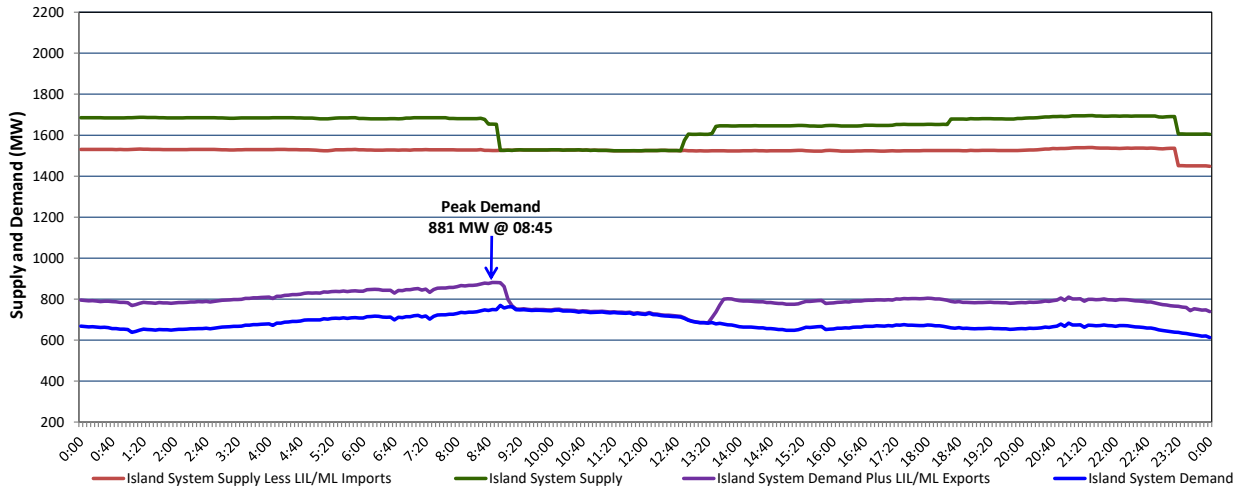


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, May 24, 2022

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Saturday, May 21, 2022



#### Supply Notes For May 21, 2022

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- A As of 0857 hours, April 04, 2022, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0813 hours, April 19, 2022, Holyrood Unit 2 returned to service 150 MW (170 MW).
- C As of 1327 hours, May 08, 2022, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- D As of 1234 hours, May 09, 2022, Holyrood Unit 1 available but not operating (170 MW).
- F As of 0715 hours, May 15, 2022, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- G At 2318 hours, May 21, 2022, Upper Salmon Unit unavailable (84 MW).

### Section 2 Island Interconnected Supply and Demand

Sun, May 22, 2022	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>	1,600 MW	Sunday, May 22, 2022	13	13	905	905
NLH Island Generation: <sup>4,8</sup>	1,115 MW	Monday, May 23, 2022	15	12	900	900
NLH Island Power Purchases: <sup>6</sup>	105 MW	Tuesday, May 24, 2022	3	2	1,145	1,145
Other Island Generation:	225 MW	Wednesday, May 25, 2022	3	3	1,015	1,015
ML/LIL Imports:	155 MW	Thursday, May 26, 2022	7	5	925	925
Current St. John's Temperature & Windchill:	15 °C	Friday, May 27, 2022	7	10	915	915
7-Day Island Peak Demand Forecast:	1,145 MW	Saturday, May 28, 2022	11	13	785	785

#### Supply Notes For May 22, 2022

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- 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

Sat, May 21, 2022	Actual Island Peak Demand <sup>9</sup>	8:45	881 MW
Sun, May 22, 2022	Forecast Island Peak Demand		905 MW

- Notes: 9. 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).