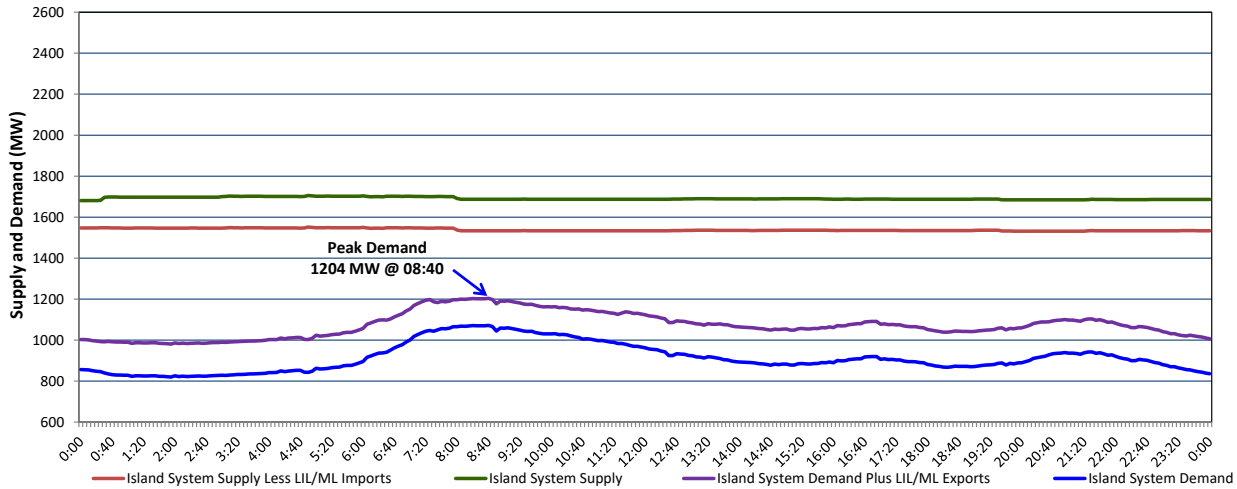


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, April 28, 2022

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Wednesday, April 27, 2022



#### Supply Notes For April 27, 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 0850 hours, April 11, 2022, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
- C As of 0813 hours, April 19, 2022, Holyrood Unit 2 returned to service 150 MW (170 MW).
- D As of 1210 hours, April 22, 2022, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- E As of 2107 hours, April 26, 2022, Holyrood Unit 1 available but not operating (170 MW).

### Section 2 Island Interconnected Supply and Demand

Thu, Apr 28, 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>	1,687	MW	Thursday, April 28, 2022	0	0	1,220	1,126
NLH Island Generation: <sup>4,8</sup>	1,200	MW	Friday, April 29, 2022	2	2	1,115	1,022
NLH Island Power Purchases: <sup>6</sup>	110	MW	Saturday, April 30, 2022	2	2	1,030	938
Other Island Generation:	225	MW	Sunday, May 1, 2022	5	2	1,000	1,000
ML/LIL Imports:	152	MW	Monday, May 2, 2022	3	2	1,070	1,070
Current St. John's Temperature & Windchill:	2 °C	N/A	Tuesday, May 3, 2022	4	3	1,090	1,090
7-Day Island Peak Demand Forecast:	1,220	MW	Wednesday, May 4, 2022	4	5	1,030	1,030

#### Supply Notes For April 28, 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

Wed, Apr 27, 2022	Actual Island Peak Demand <sup>9</sup>	8:40	1,204 MW
Thu, Apr 28, 2022	Forecast Island Peak Demand		1,220 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).