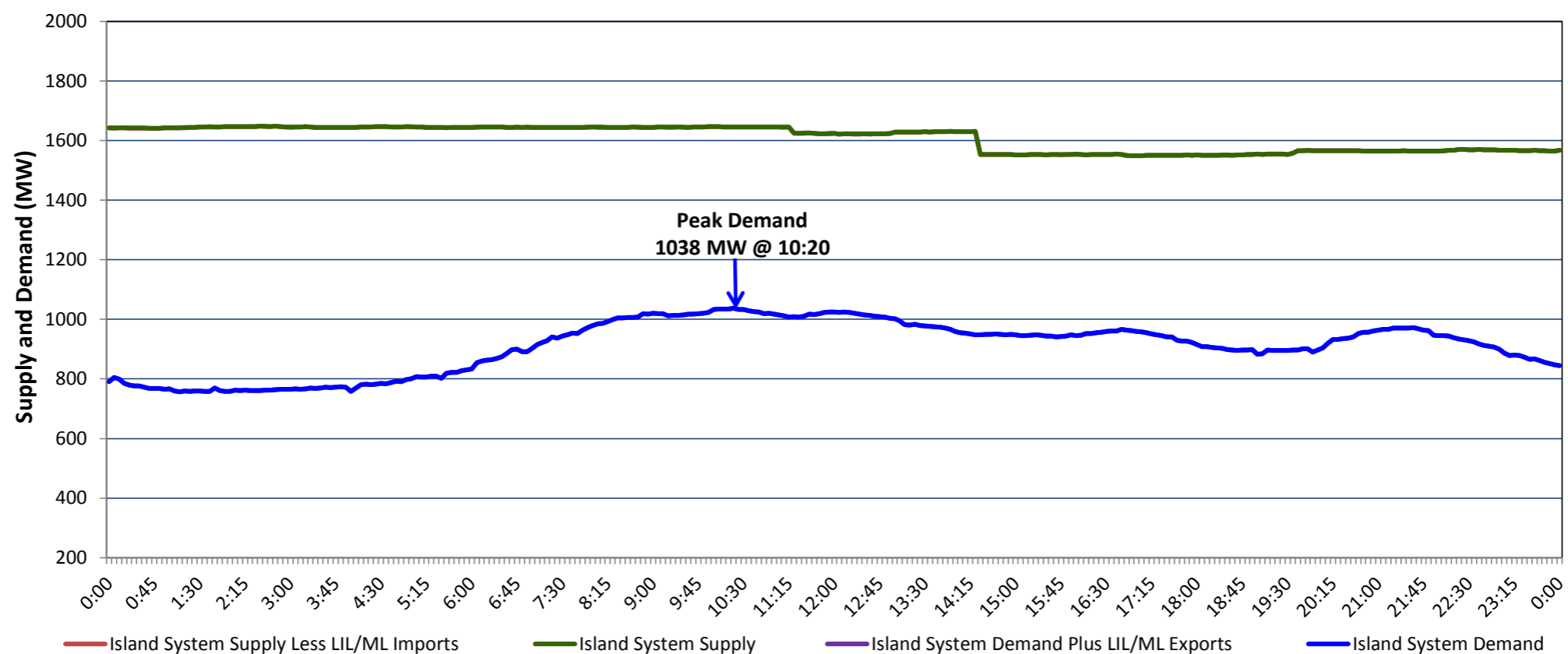


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, May 20, 2020

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, May 19, 2020



#### Supply Notes For May 19, 2020

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- A As of 1245 hours, April 24, 2020, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 1009 hours, May 01, 2020, Holyrood Unit 1 available but not operating (170 MW).
- C As of 1200 hours, May 03, 2020, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- D **At 1421 hours, May 19, 2020, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).**

### Section 2 Island Interconnected Supply and Demand

Wed, May 20, 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>	1,545	MW	Wednesday, May 20, 2020	2	4	1,040	1,040
NLH Island Generation: <sup>4</sup>	1,220	MW	Thursday, May 21, 2020	6	5	945	945
NLH Island Power Purchases: <sup>6</sup>	110	MW	Friday, May 22, 2020	4	2	1,060	1,060
Other Island Generation:	215	MW	Saturday, May 23, 2020	2	5	1,040	1,040
ML/LIL Imports:	-	MW	Sunday, May 24, 2020	5	5	895	895
Current St. John's Temperature & Windchill:	1 °C	N/A °C	Monday, May 25, 2020	5	9	940	940
7-Day Island Peak Demand Forecast:	1,060	MW	Tuesday, May 26, 2020	12	11	790	790

#### Supply Notes For May 20, 2020

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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.

### Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

Tue, May 19, 2020	Actual Island Peak Demand <sup>8</sup>	10:20	1,038 MW
Wed, May 20, 2020	Forecast Island Peak Demand		1,040 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).