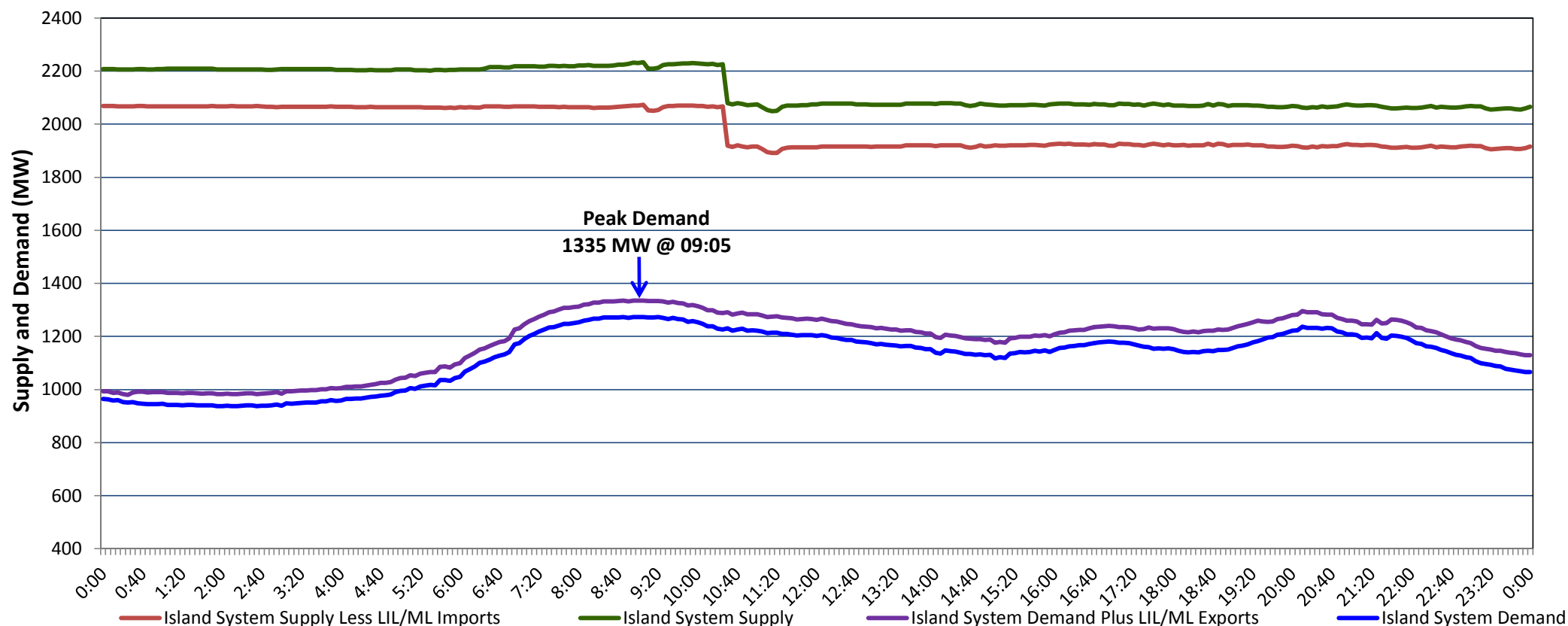


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, March 31, 2021

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, March 30, 2021



#### Supply Notes For March 30, 2021

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A As of 1401 hours, March 28, 2021, Paradise River Unit unavailable due to planned outage (8 MW).

B At 1030 hours, March 30, 2021, Holyrood Unit 3 available but not operating (150 MW).

### Section 2 Island Interconnected Supply and Demand

Wed, Mar 31, 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>	2,042	MW	Wednesday, March 31, 2021	-4	-4	1,400	1,296
NLH Island Generation: <sup>4</sup>	1,535	MW	Thursday, April 01, 2021	-2	2	1,255	1,152
NLH Island Power Purchases: <sup>6</sup>	120	MW	Friday, April 02, 2021	2	4	1,075	975
Other Island Generation:	240	MW	Saturday, April 03, 2021	3	3	940	841
ML/LIL Imports:	147	MW	Sunday, April 04, 2021	2	3	1,075	975
Current St. John's Temperature & Windchill:	-5 °C	-12 °C	Monday, April 05, 2021	3	4	1,130	1,029
7-Day Island Peak Demand Forecast:	1,400	MW	Tuesday, April 06, 2021	4	2	1,090	1,029

#### Supply Notes For March 31, 2021

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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, Mar 30, 2021	Actual Island Peak Demand <sup>8</sup>	09:05	1,335 MW
Wed, Mar 31, 2021	Forecast Island Peak Demand		1,400 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).