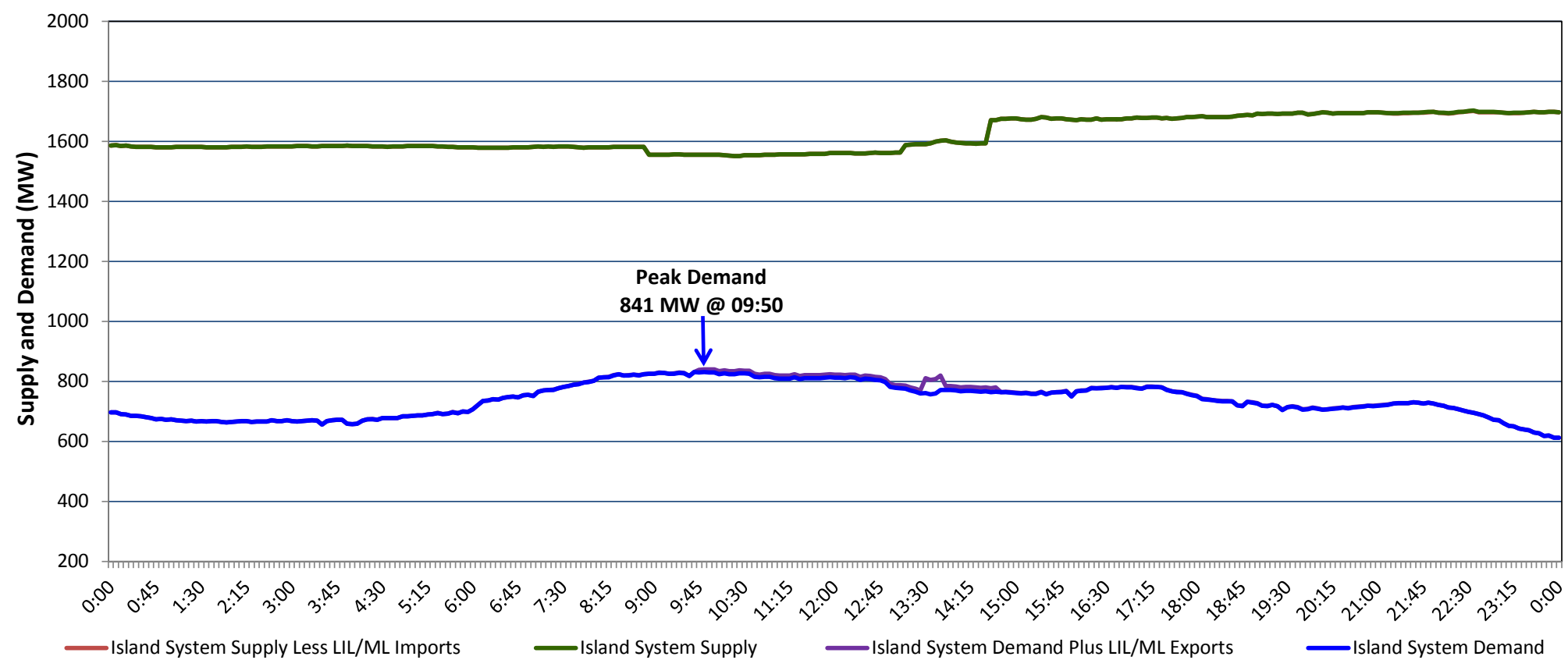


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, May 29, 2020

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, May 28, 2020



#### Supply Notes For May 28, 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 0900 hours, May 24, 2020, Stephenville Gas Turbine unavailable due to planned outage (50 MW).
- D **At 0855 hours, May 28, 2020, Hardwoods Gas Turbine available at 25 MW (50 MW).**
- E **At 1310 hours, May 28, 2020, Hardwoods Gas Turbine available at full capacity (50 MW).**
- F **At 1433 hours, May 28, 2020, Bay d'Espoir Unit 6 available (76.5 MW).**

### Section 2 Island Interconnected Supply and Demand

Fri, May 29, 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>	1,680 MW	Friday, May 29, 2020	15	15	770	770
NLH Island Generation: <sup>4</sup>	1,325 MW	Saturday, May 30, 2020	14	15	735	735
NLH Island Power Purchases: <sup>6</sup>	135 MW	Sunday, May 31, 2020	16	15	760	760
Other Island Generation:	220 MW	Monday, June 01, 2020	15	13	815	815
ML/LIL Imports:	- MW	Tuesday, June 02, 2020	11	10	865	865
Current St. John's Temperature & Windchill: 14 °C	N/A °C	Wednesday, June 03, 2020	11	7	925	925
7-Day Island Peak Demand Forecast:	925 MW	Thursday, June 04, 2020	11	9	845	845

#### Supply Notes For May 29, 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

Thu, May 28, 2020	Actual Island Peak Demand <sup>8</sup>	09:50	841 MW
Fri, May 29, 2020	Forecast Island Peak Demand		770 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).