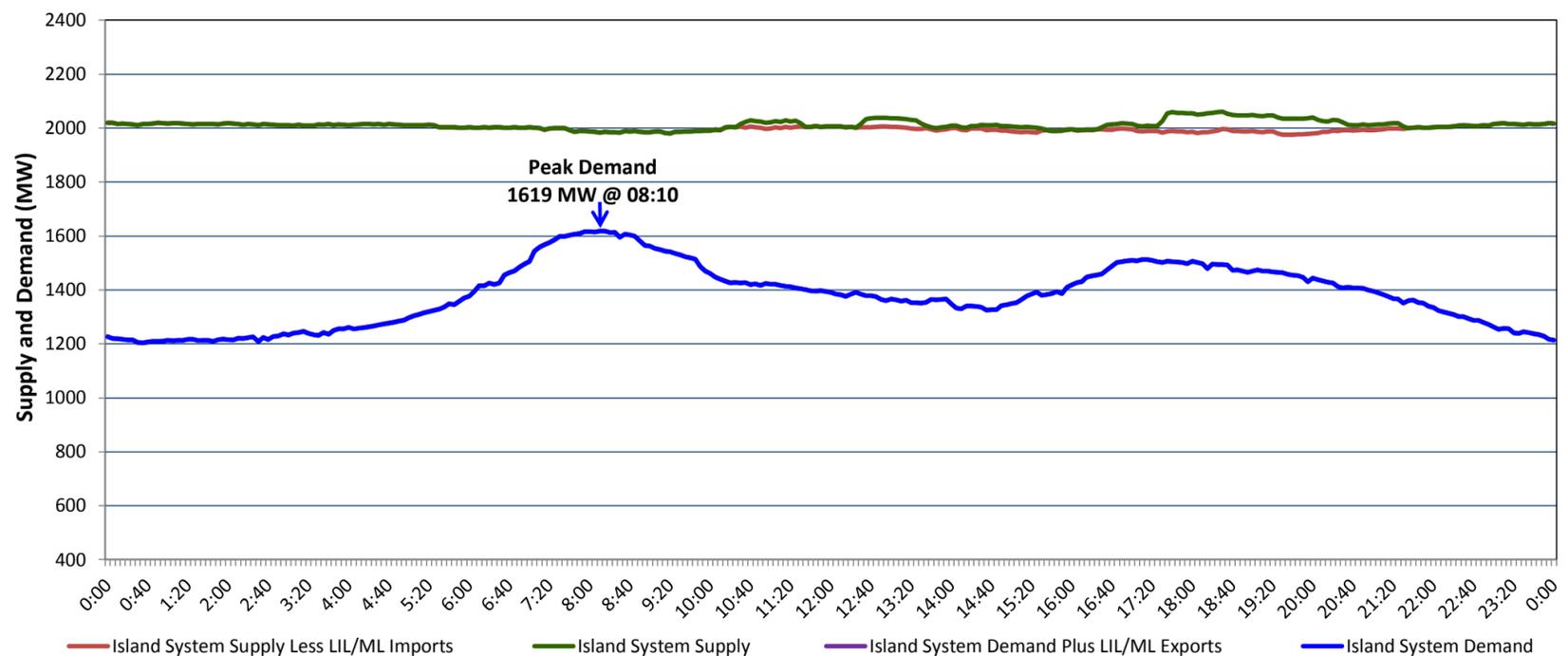


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, January 13, 2020

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Friday, January 10, 2020



#### Supply Notes For January 10, 2020

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A As of 1719 hours, December 14, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).

### Section 2 Island Interconnected Supply and Demand

Sat, Jan 11, 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>	1,920	MW	Saturday, January 11, 2020	1	0	1,355	1,251
NLH Island Generation: <sup>4</sup>	1,585	MW	Sunday, January 12, 2020	1	-6	1,490	1,385
NLH Island Power Purchases: <sup>6</sup>	135	MW	Monday, January 13, 2020	-5	-8	1,505	1,400
Other Island Generation:	200	MW	Tuesday, January 14, 2020	-9	-8	1,505	1,400
ML/LIL Imports:	-	MW	Wednesday, January 15, 2020	-8	-6	1,520	1,414
Current St. John's Temperature & Windchill:	1 °C	N/A °C	Thursday, January 16, 2020	-7	-3	1,460	1,355
7-Day Island Peak Demand Forecast:	1,520	MW	Friday, January 17, 2020	0	0	1,350	1,246

#### Supply Notes For January 11, 2020

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B At 0608 hours, January 11, 2020, Upper Salmon Unit unavailable due to planned outage (84 MW).

- 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

Fri, Jan 10, 2020	Actual Island Peak Demand <sup>8</sup>	08:10	1,619 MW
Sat, Jan 11, 2020	Forecast Island Peak Demand		1,355 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).