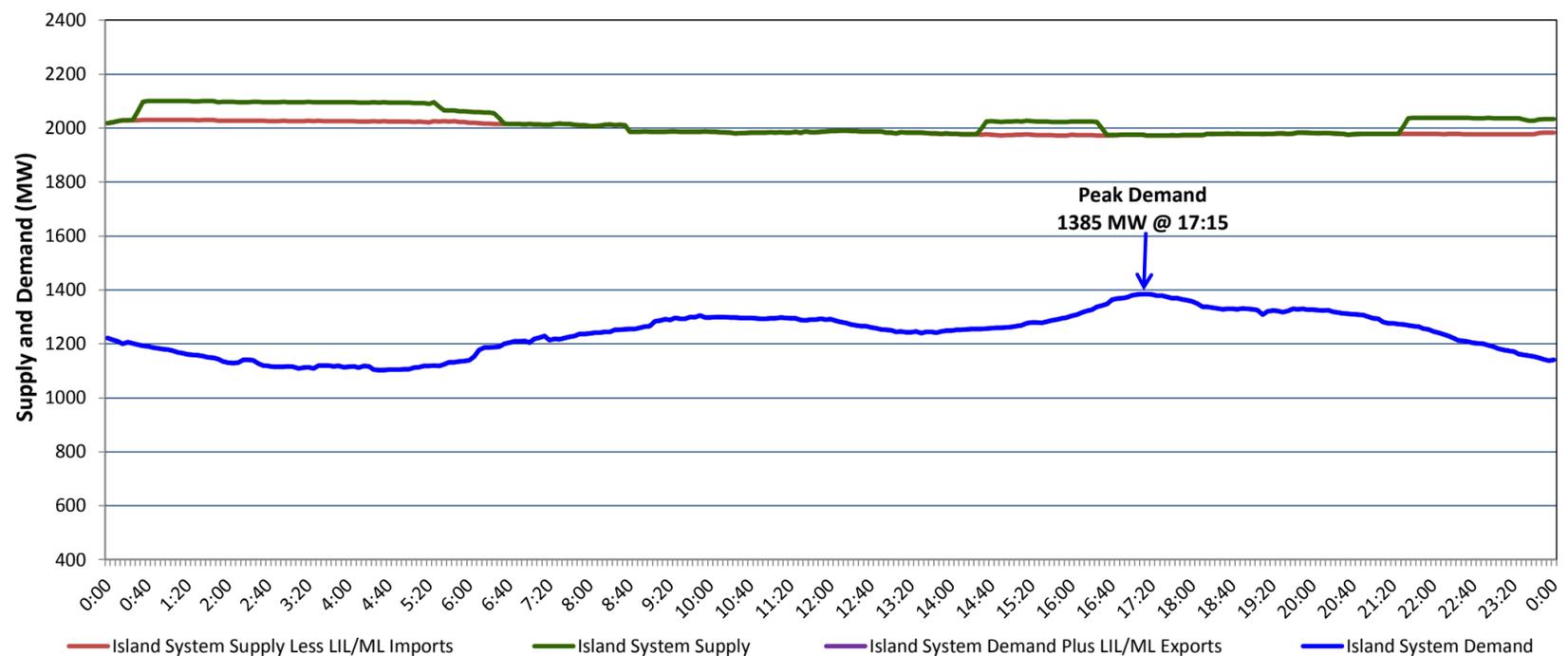


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, January 21, 2020

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Monday, January 20, 2020



#### Supply Notes For January 20, 2020

1,2

A At 0838 hours, January 20, 2020, Stephenville Gas Turbine unavailable 25 MW (50 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Jan 21, 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>	1,960	MW	Tuesday, January 21, 2020	-8	-8	1,460	1,355
NLH Island Generation: <sup>4</sup>	1,645	MW	Wednesday, January 22, 2020	-11	-8	1,610	1,503
NLH Island Power Purchases: <sup>6</sup>	115	MW	Thursday, January 23, 2020	-5	-4	1,535	1,429
Other Island Generation:	200	MW	Friday, January 24, 2020	-1	-4	1,365	1,261
ML/LIL Imports:	-	MW	Saturday, January 25, 2020	-7	-7	1,445	1,340
Current St. John's Temperature & Windchill: -10 °C	-15	°C	Sunday, January 26, 2020	-9	-7	1,450	1,345
7-Day Island Peak Demand Forecast:	1,610	MW	Monday, January 27, 2020	-5	0	1,480	1,375

#### Supply Notes For January 21, 2020

3

- 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

Mon, Jan 20, 2020	Actual Island Peak Demand <sup>8</sup>	17:15	1,385 MW
Tue, Jan 21, 2020	Forecast Island Peak Demand		1,460 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).