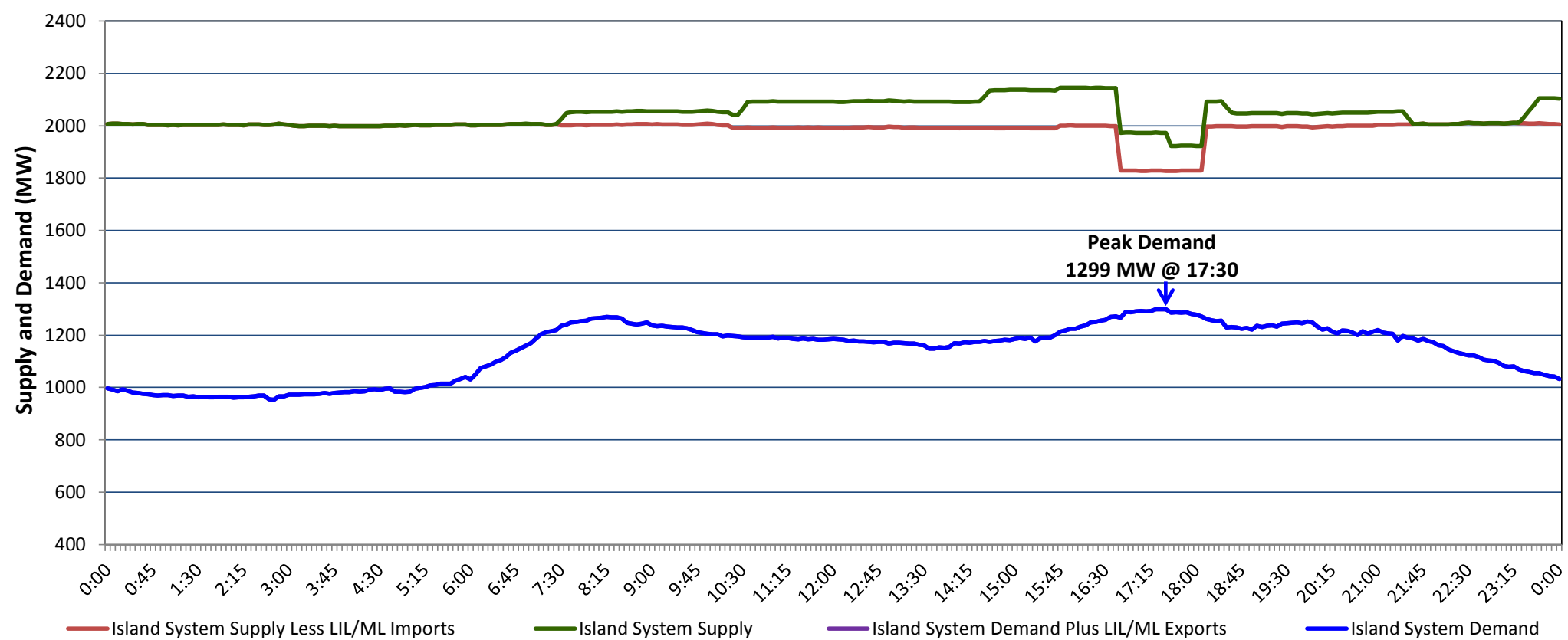


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, January 29, 2020**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, January 28, 2020**



**Supply Notes For January 28, 2020**

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- A As of 1458 hours, January 25, 2020, Stephenville Gas Turbine available at 25 MW (50 MW).
- B At 1020 hours, January 28, 2020, St. Anthony Diesel Plant unavailable due to planned outage (9.7 MW).
- C At 1543 hours, January 28, 2020, St. Anthony Diesel Plant available (9.7 MW).
- D At 1643 hours, January 28, 2020, Holyrood Unit 2 unavailable (170 MW).
- E At 1810 hours, January 28, 2020, Holyrood Unit 2 available (170 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Jan 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>	2,134 MW	Wednesday, January 29, 2020	-2	-3	1,400	1,296
NLH Island Generation: <sup>4</sup>	1,670 MW	Thursday, January 30, 2020	-4	-2	1,400	1,296
NLH Island Power Purchases: <sup>6</sup>	120 MW	Friday, January 31, 2020	-7	-8	1,490	1,385
Other Island Generation:	205 MW	Saturday, February 01, 2020	-8	-8	1,455	1,350
ML/LIL Imports:	139 MW	Sunday, February 02, 2020	-9	-1	1,420	1,316
Current St. John's Temperature & Windchill:	-3 °C	Monday, February 03, 2020	5	-1	1,335	1,232
7-Day Island Peak Demand Forecast:	1,490 MW	Tuesday, February 04, 2020	-4	-6	1,460	1,355

**Supply Notes For January 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**

Tue, Jan 28, 2020	Actual Island Peak Demand <sup>8</sup>	17:30	1,299 MW
Wed, Jan 29, 2020	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).