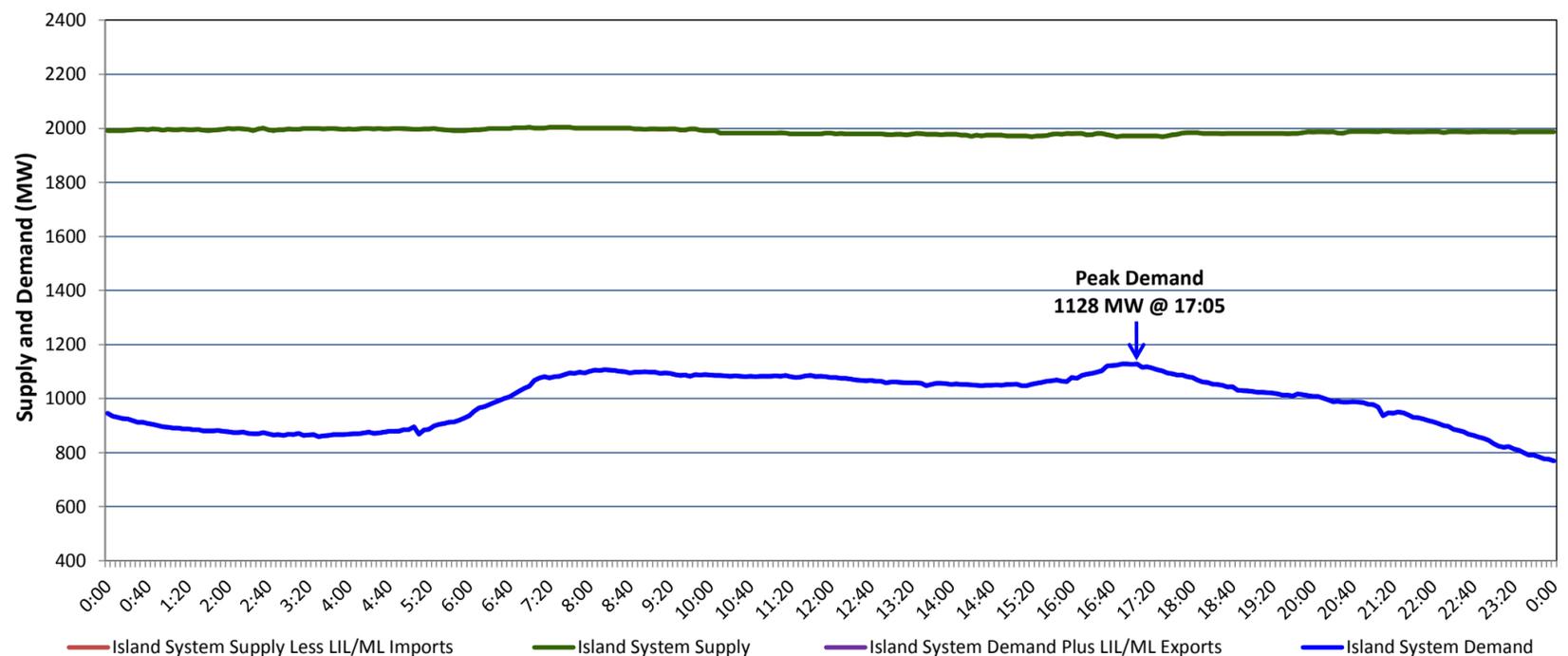


**Newfoundland Labrador Hydro (NLH)**  
**Supply and Demand Status Report Filed Wednesday, December 11, 2019**

**Section 1**  
**Island Interconnected System Supply, Demand & Exports**  
**Actual 24 Hour System Performance For Tuesday, December 10, 2019**



**Supply Notes For December 10, 2019**

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- A As of 0932 hours, November 23, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).  
 B As of 1600 hours, November 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).

**Section 2**  
**Island Interconnected Supply and Demand**

Wed, Dec 11, 2019	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>	1,985	MW	Wednesday, December 11, 2019	11	1	1,260	1,157
NLH Island Generation: <sup>4</sup>	1,665	MW	Thursday, December 12, 2019	-4	-5	1,435	1,330
NLH Island Power Purchases: <sup>6</sup>	130	MW	Friday, December 13, 2019	-7	-7	1,520	1,414
Other Island Generation:	190	MW	Saturday, December 14, 2019	-7	-1	1,390	1,286
ML/LIL Imports:	-	MW	Sunday, December 15, 2019	1	6	1,260	1,157
Current St. John's Temperature & Windchill:	11 °C	N/A °C	Monday, December 16, 2019	0	-2	1,420	1,316
7-Day Island Peak Demand Forecast:	1,520	MW	Tuesday, December 17, 2019	1	2	1,355	1,251

**Supply Notes For December 11, 2019**

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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, Dec 10, 2019	Actual Island Peak Demand <sup>8</sup>	17:05	1,128 MW
Wed, Dec 11, 2019	Forecast Island Peak Demand		1,260 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).