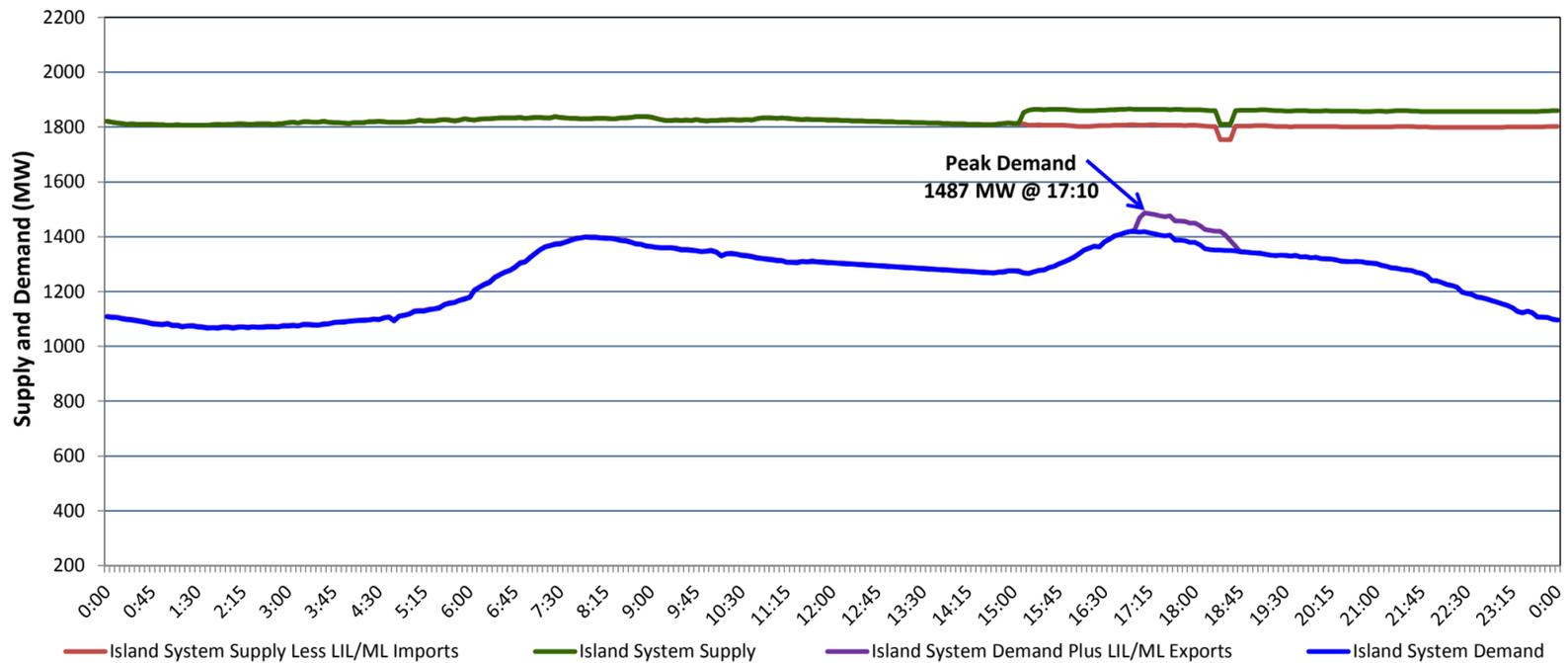


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, December 12, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, December 11, 2018**



Supply Notes For December 11, 2018

- A As of 1703 hours, December 09, 2018, Holyrood Unit 1 unavailable 160 MW (170 MW).
- B As of 1553 hours, December 10, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).
- C At 1824 hours, December 11, 2018, Stephenville Gas Turbine unavailable (50 MW).
- D At 1840 hours, December 11, 2018, Stephenville Gas Turbine available (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Dec 12, 2018	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,872 MW	Wednesday, December 12, 2018	-4	-2	1,435	1,332
NLH Island Generation: ⁴	1,500 MW	Thursday, December 13, 2018	-3	-7	1,520	1,416
NLH Island Power Purchases: ⁶	125 MW	Friday, December 14, 2018	-3	-1	1,465	1,362
Other Island Generation:	190 MW	Saturday, December 15, 2018	-1	1	1,345	1,243
ML/LIL Imports:	57 MW	Sunday, December 16, 2018	5	-1	1,485	1,382
Current St. John's Temperature & Windchill:	-3 °C	Monday, December 17, 2018	-2	-2	1,435	1,332
7-Day Island Peak Demand Forecast:	1,520 MW	Tuesday, December 18, 2018	1	5	1,355	1,253

Supply Notes For December 12, 2018

- 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 11, 2018	Actual Island Peak Demand ⁸	17:10	1,487 MW
Wed, Dec 12, 2018	Forecast Island Peak Demand		1,435 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).