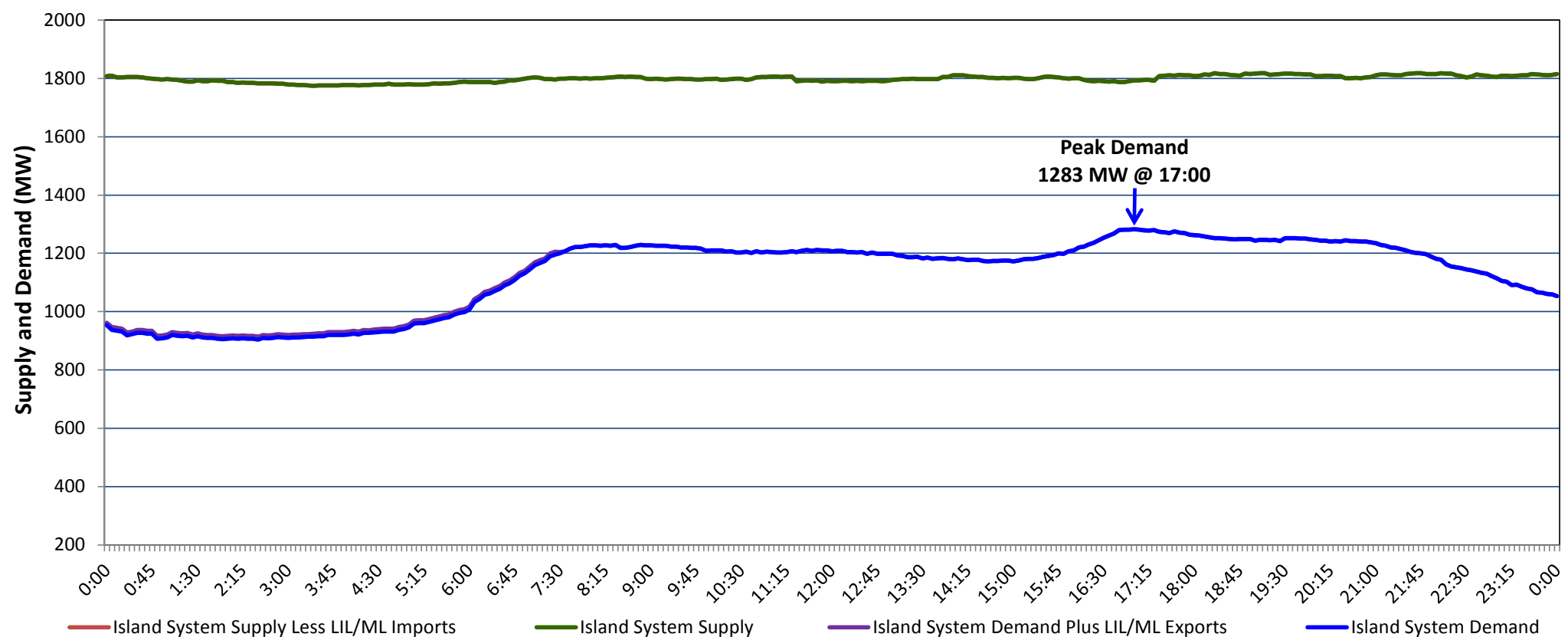


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, November 23, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, November 22, 2018**



Supply Notes For November 22, 2018

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- A As of 2017 hours, November 03, 2018, Holyrood Unit 1 unavailable due to planned outage 40 MW (170 MW).
- B As of 0729 hours, November 09, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- C As of 0905 hours, November 21, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).
- D **At 1123 hours, November 22, 2018, Hawkes Bay Diesel Plant unavailable due to planned outage (5 MW).**
- E **At 1724 hours, November 22, 2018, Hawkes Bay Diesel Plant available (5 MW).**

**Section 2
Island Interconnected Supply and Demand**

Fri, Nov 23, 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	1,805 MW	Friday, November 23, 2018	-4	-6	1,500	1,403
NLH Island Generation: ⁴	1,450 MW	Saturday, November 24, 2018	-3	-3	1,470	1,373
NLH Island Power Purchases: ⁶	150 MW	Sunday, November 25, 2018	-3	0	1,310	1,215
Other Island Generation:	205 MW	Monday, November 26, 2018	0	1	1,360	1,264
ML/LIL Imports:	- MW	Tuesday, November 27, 2018	1	1	1,310	1,215
Current St. John's Temperature & Windchill: -6 °C	-13 °C	Wednesday, November 28, 2018	0	1	1,300	1,205
7-Day Island Peak Demand Forecast:	1,500 MW	Thursday, November 29, 2018	3	3	1,315	1,220

Supply Notes For November 23, 2018

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- F **At 0556 hours, November 23, 2018, Hardwoods Gas Turbine unavailable 25 MW (50 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**

Thu, Nov 22, 2018	Actual Island Peak Demand ⁸	17:00	1,283 MW
Fri, Nov 23, 2018	Forecast Island Peak Demand		1,500 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).