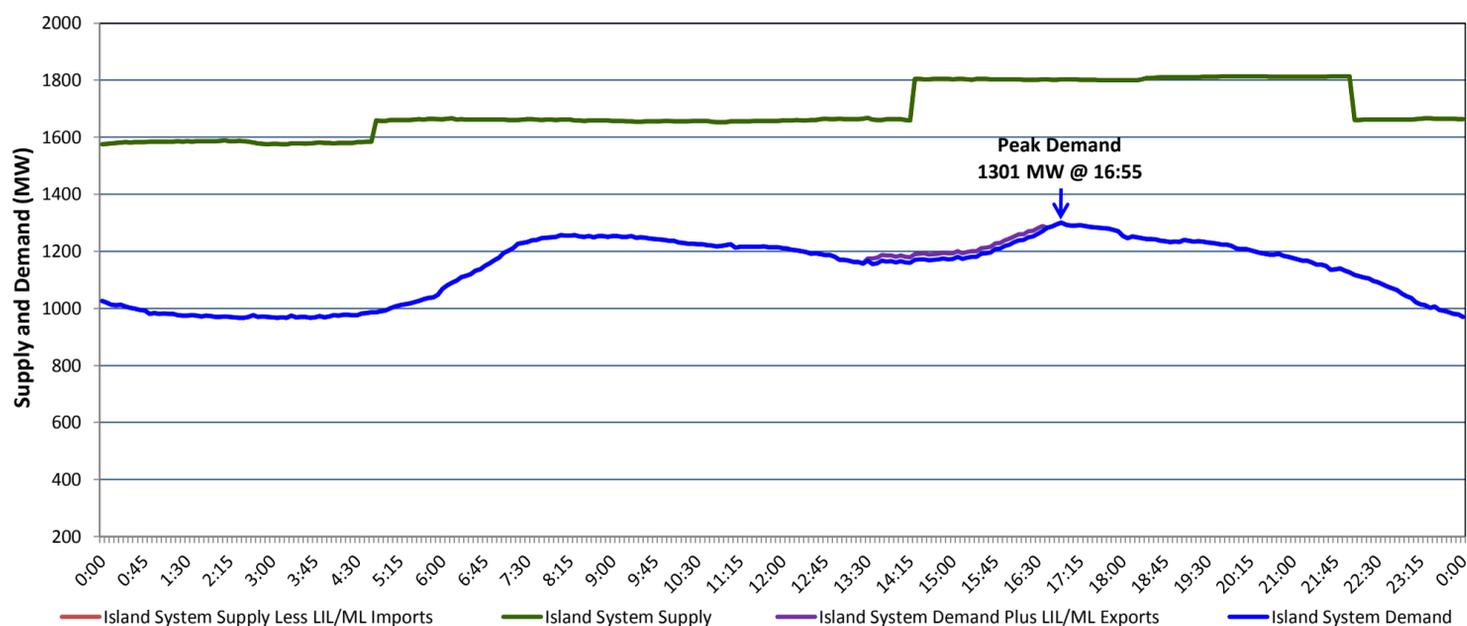


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, November 21, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, November 20, 2018**



Supply Notes For November 20, 2018

- 1,2
- 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 At 0449 hours, November 20, 2018, Bay d'Espoir Unit 4 available (76.5 MW).
 - D At 1418 hours, November 20, 2018, Holyrood Unit 3 available (150 MW).
 - E At 2201 hours, November 20, 2018, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
 - F At 2201 hours, November 20, 2018, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Nov 21, 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	1,800 MW	Wednesday, November 21, 2018	5	3	1,260	1,165
NLH Island Generation: ⁴	1,475 MW	Thursday, November 22, 2018	2	2	1,280	1,185
NLH Island Power Purchases: ⁶	130 MW	Friday, November 23, 2018	-1	-2	1,440	1,343
Other Island Generation:	195 MW	Saturday, November 24, 2018	-1	-2	1,365	1,269
ML/LIL Imports:	- MW	Sunday, November 25, 2018	-2	1	1,325	1,230
Current St. John's Temperature & Windchill:	6 °C N/A °C	Monday, November 26, 2018	2	2	1,330	1,235
7-Day Island Peak Demand Forecast:	1,440 MW	Tuesday, November 27, 2018	2	1	1,320	1,225

Supply Notes For November 21, 2018

- 3
- G At 0226 hours, November 21, 2018, Bay d'Espoir Unit 5 available (76.5 MW).
 - H At 0445 hours, November 21, 2018, Bay d'Espoir Unit 6 available (76.5 MW).
 - I At 0712 hours, November 21, 2018, Hardwoods Gas Turbine available at 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**

Tue, Nov 20, 2018	Actual Island Peak Demand ⁸	16:55	1,301 MW
Wed, Nov 21, 2018	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).