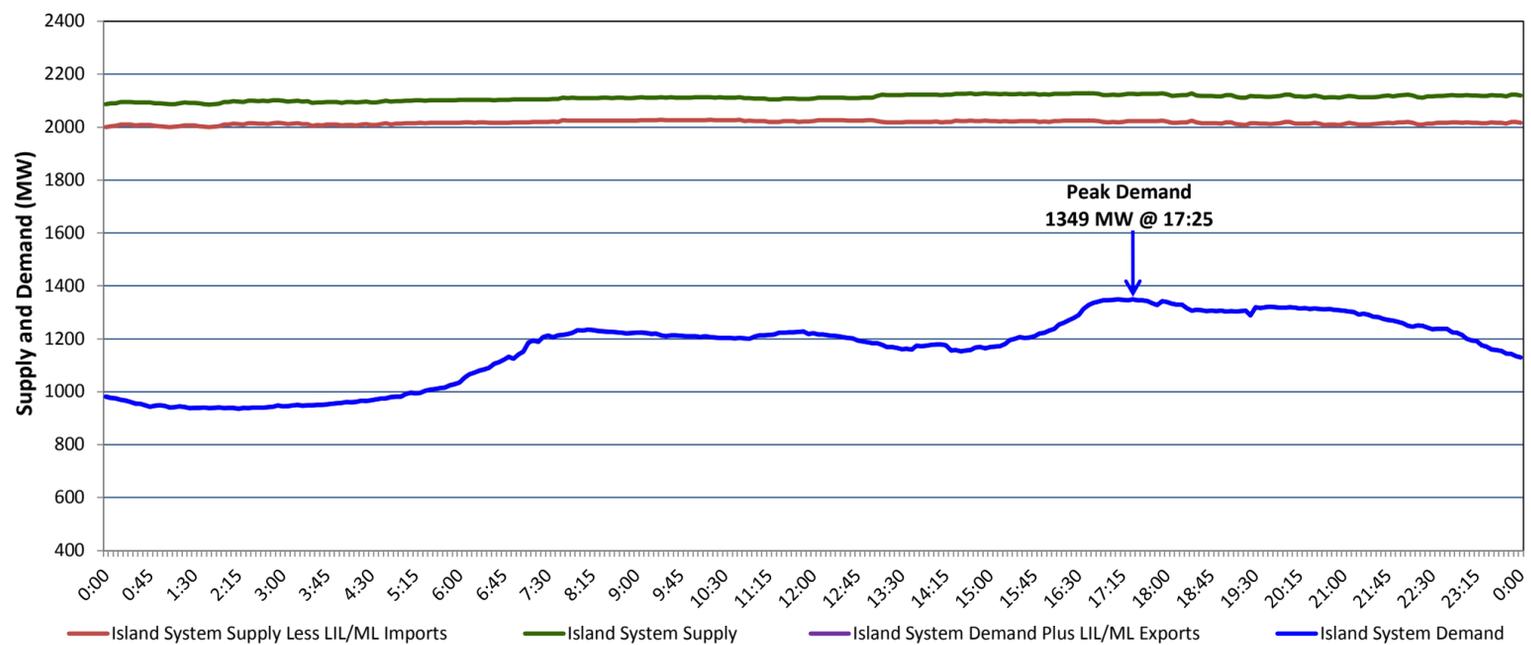


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, December 20, 2018**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, December 19, 2018**



Supply Notes For December 19, 2018

- 1,2
- A At 1415 hours, December 19, 2018, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
 - B At 1435 hours, December 19, 2018, St. Anthony Diesel Plant available at full capacity (9.7 MW).
 - C At 1443 hours, December 19, 2018, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
 - D At 1445 hours, December 19, 2018, St. Anthony Diesel Plant available at full capacity (9.7 MW).
 - E At 1507 hours, December 19, 2018, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
 - F At 1511 hours, December 19, 2018, St. Anthony Diesel Plant available at full capacity (9.7 MW).
 - G At 1615 hours, December 19, 2018, Holyrood Unit 1 available at 162 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Dec 20, 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	2,133 MW	Thursday, December 20, 2018	-3	-3	1,425	1,323
NLH Island Generation: ⁴	1,685 MW	Friday, December 21, 2018	-3	-2	1,445	1,342
NLH Island Power Purchases: ⁶	140 MW	Saturday, December 22, 2018	-2	3	1,335	1,234
Other Island Generation:	205 MW	Sunday, December 23, 2018	4	1	1,315	1,214
ML/LIL Imports:	103 MW	Monday, December 24, 2018	-4	-3	1,475	1,372
Current St. John's Temperature & Windchill: -2 °C	-12 °C	Tuesday, December 25, 2018	-2	-4	1,505	1,402
7-Day Island Peak Demand Forecast:	1,510 MW	Wednesday, December 26, 2018	-4	-5	1,510	1,407

Supply Notes For December 20, 2018

- 3
- 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**

Wed, Dec 19, 2018	Actual Island Peak Demand ⁸	17:25	1,349 MW
Thu, Dec 20, 2018	Forecast Island Peak Demand		1,425 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).