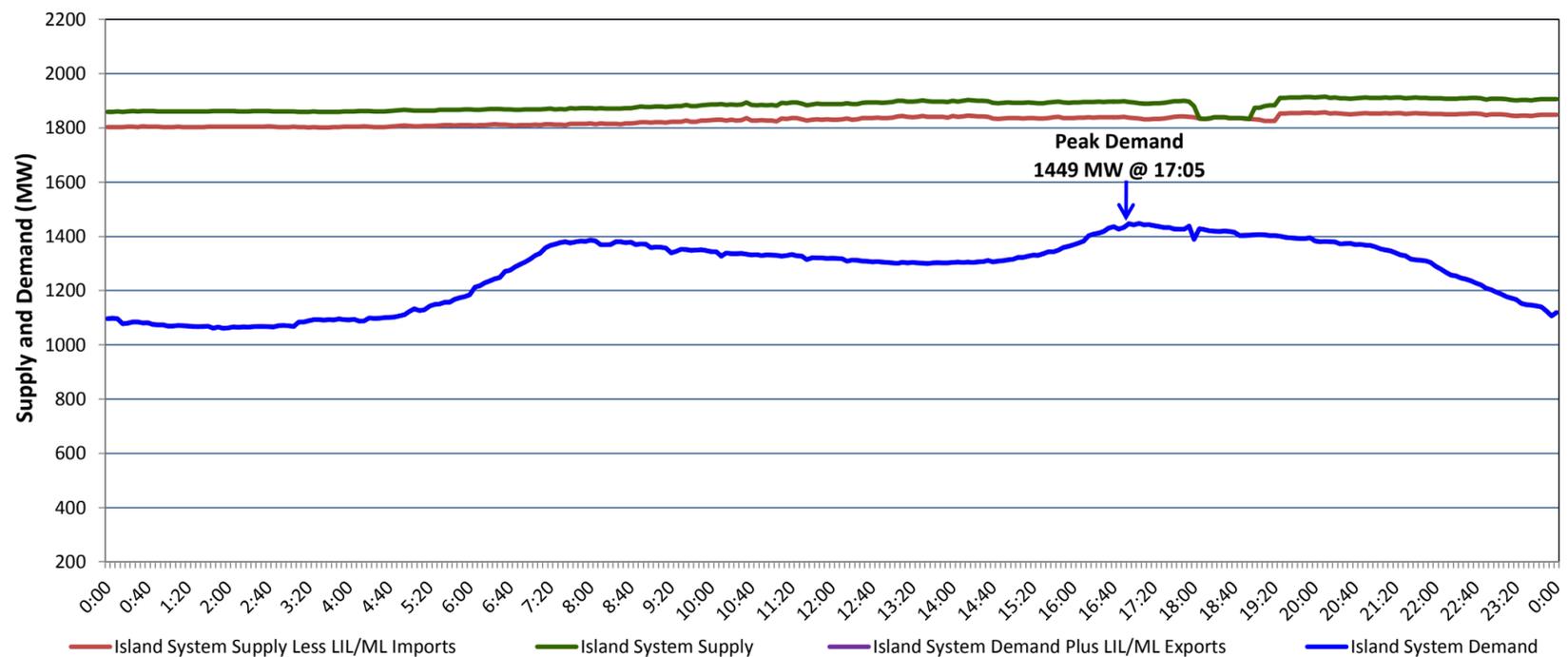


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, December 13, 2018

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Wednesday, December 12, 2018



Supply Notes For December 12, 2018

1,2

A As of 1703 hours, December 09, 2018, Holyrood Unit 1 unavailable 160 MW (170 MW).

B At 1922 hours, December 12, 2018, Hardwoods Gas Turbine available full capacity (50 MW).

Section 2 Island Interconnected Supply and Demand

Thu, Dec 13, 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	1,913	MW	Thursday, December 13, 2018	-3	-7	1,495	1,392
NLH Island Generation: ⁴	1,525	MW	Friday, December 14, 2018	-3	-2	1,455	1,352
NLH Island Power Purchases: ⁶	135	MW	Saturday, December 15, 2018	0	0	1,350	1,248
Other Island Generation:	195	MW	Sunday, December 16, 2018	-4	-3	1,420	1,318
ML/LIL Imports:	58	MW	Monday, December 17, 2018	-4	0	1,405	1,303
Current St. John's Temperature & Windchill:	-4 °C	-10 °C	Tuesday, December 18, 2018	3	2	1,425	1,323
7-Day Island Peak Demand Forecast:	1,495	MW	Wednesday, December 19, 2018	2	1	1,345	1,243

Supply Notes For December 13, 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 12, 2018	Actual Island Peak Demand ⁸	17:05	1,449 MW
Thu, Dec 13, 2018	Forecast Island Peak Demand		1,495 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).