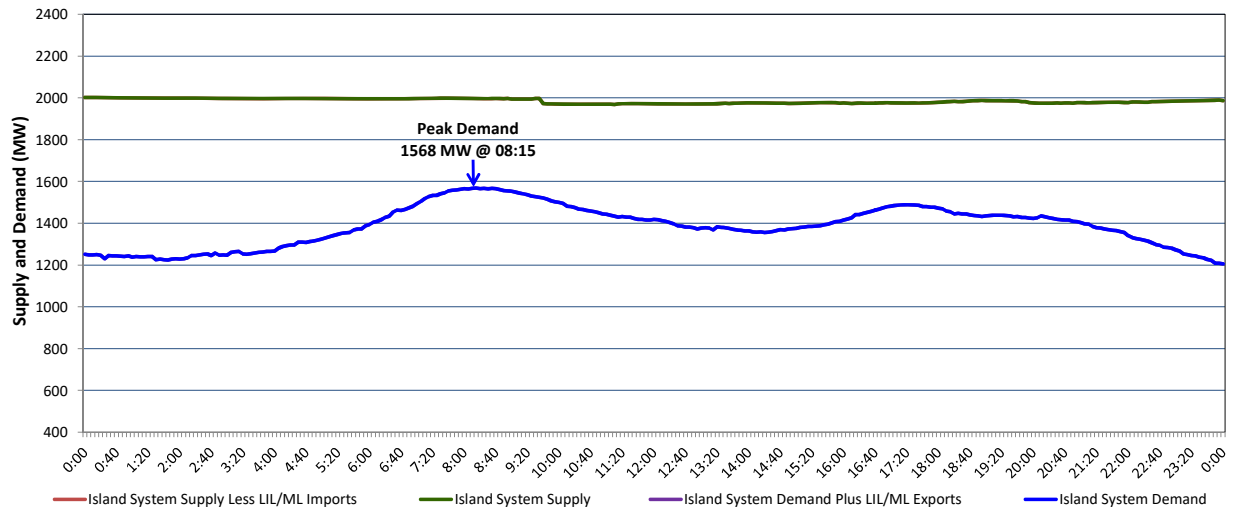


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, January 23, 2020

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Wednesday, January 22, 2020



Supply Notes For January 22, 2020 1,2

- A At 0900 hours, January 22, 2020, St. Anthony Diesel Plant available at 8 MW (9.7 MW).
 B At 0940 hours, January 22, 2020, Stephenville Gas Turbine unavailable 25 MW (50 MW).

Section 2 Island Interconnected Supply and Demand

Thu, Jan 23, 2020	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	1,965 MW	Thursday, January 23, 2020	-6
NLH Island Generation: ⁴	1,635 MW	Friday, January 24, 2020	-2	-7	1,420	1,316
NLH Island Power Purchases: ⁶	120 MW	Saturday, January 25, 2020	-10	-6	1,420	1,316
Other Island Generation:	210 MW	Sunday, January 26, 2020	-7	-3	1,345	1,241
ML/LIL Imports:	-	Monday, January 27, 2020	-4	-1	1,455	1,350
Current St. John's Temperature & Windchill:	-7 °C -15 °C	Tuesday, January 28, 2020	1	-1	1,295	1,192
7-Day Island Peak Demand Forecast:	1,485 MW	Wednesday, January 29, 2020	-6	-7	1,475	1,370

Supply Notes For January 23, 2020 3

- C At 0700 hours, January 23, 2020, Paradise River Unit unavailable (8 MW).

- Notes:
- 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.
 - 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.
 - As of 0800 Hours.
 - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 - Gross output from all Island sources (including Note 4).
 - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
 - 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, Jan 22, 2020	Actual Island Peak Demand ⁸	8:15	1,568 MW
Thu, Jan 23, 2020	Forecast Island Peak Demand		1,485 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).