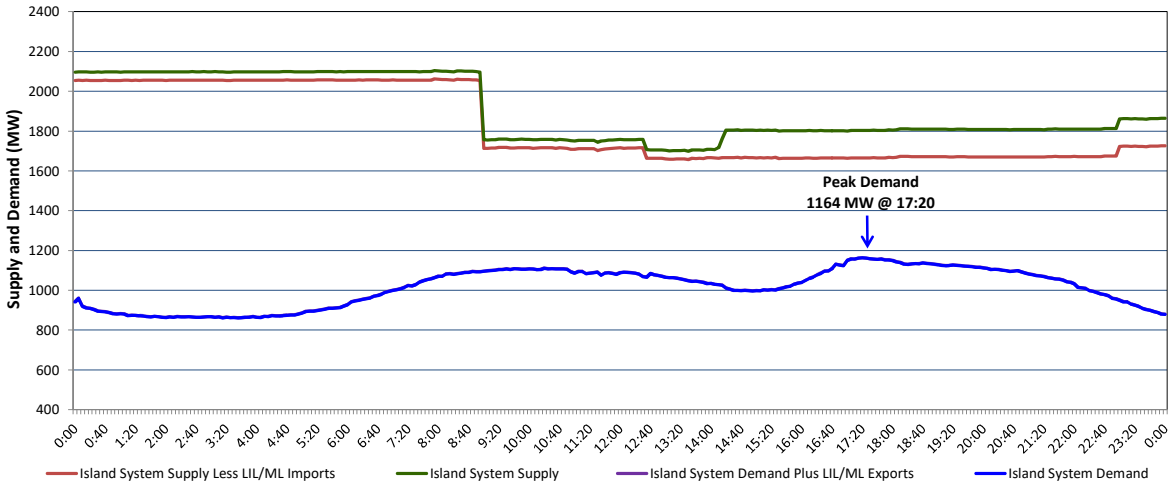
Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, December 23, 2020

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



Supply Notes For December 22, 2020 [1,2]

A	As of 1903 hours, December 18, 2020, Hawkes Bay Diesel Plant available at 2.5 MW (5 MW).
B	At 0900 hours, December 22, 2020, Holyrood Unit 1 available at 50 MW (170 MW).
C	At 0900 hours, December 22, 2020, Holyrood Unit 2 available at 50 MW (170 MW).
D	At 0900 hours, December 22, 2020, Holyrood Unit 3 available at 50 MW (150 MW).
E	At 1234 hours, December 22, 2020, Holyrood Unit 1 unavailable (170 MW).
F	At 2314 hours, December 22, 2020, Holyrood Unit 2 available at 75 MW (170 MW).
G	At 2314 hours, December 22, 2020, Holyrood Unit 3 available at 75 MW (150 MW).

Section 2
Island Interconnected Supply and Demand

Wed, Dec 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]	**1,725**	**MW**		Wednesday, December 23, 2020	2	-1	**1,305**	**1,202**
NLH Island Generation:[4]	1,350	MW		Thursday, December 24, 2020	-4	-2	1,375	1,271
NLH Island Power Purchases:[6]	125	MW		Friday, December 25, 2020	-1	4	1,170	1,068
Other Island Generation:	250	MW		Saturday, December 26, 2020	4	5	1,160	1,059
ML/LIL Imports:	-	MW		Sunday, December 27, 2020	6	5	1,200	1,098
Current St. John's Temperature & Windchill: 2	N/A	°C		Monday, December 28, 2020	3	1	1,330	1,227
7-Day Island Peak Demand Forecast:	**1,375**	MW		Tuesday, December 29, 2020	0	3	1,360	1,256

Supply Notes For December 23, 2020 [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.ovember

Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Tue, Dec 22, 2020	Actual Island Peak Demand[8]	17:20	1,164 MW
Wed, Dec 23, 2020	Forecast Island Peak Demand		1,305 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).