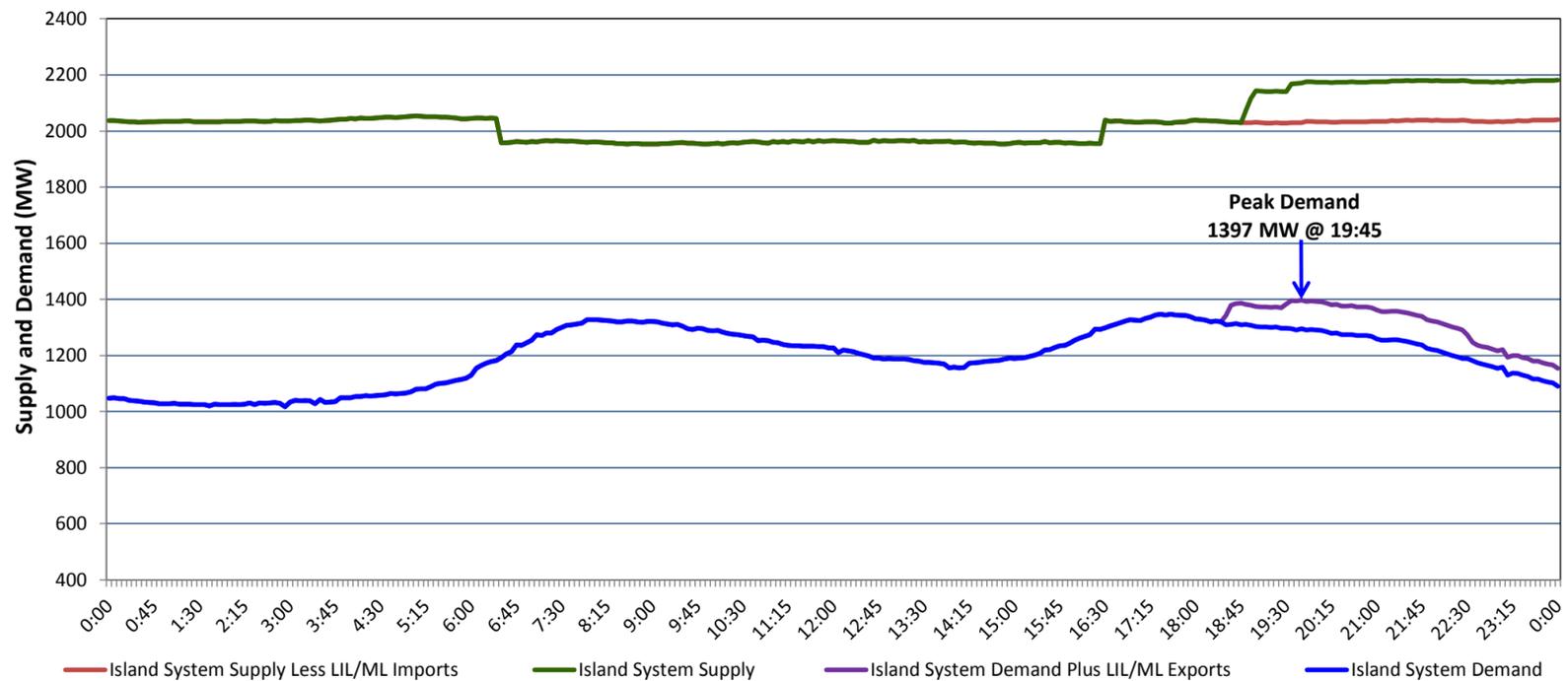


## Newfoundland Labrador Hydro (NLH)

### Supply and Demand Status Report Filed Friday, January 29, 2021 (Revised - February 01, 2021)

#### Section 1

#### Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Thursday, January 28, 2021



#### Supply Notes For January 28, 2021

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- A** At 0627 hours, January 28, 2021, Upper Salmon Unit unavailable due to planned outage (84 MW).
- B** At 0801 hours, January 28, 2021, St. Anthony Diesel Plant available at 8.7 MW (9.7 MW).
- C** At 1630 hours, January 28, 2021, Upper Salmon Unit available (84 MW).

#### Section 2

#### Island Interconnected Supply and Demand

Fri, Jan 29, 2021	Island System Outlook <sup>3</sup>		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	2,050	MW	Friday, January 29, 2021	-6	-2	1,395	1,291
NLH Island Generation: <sup>4</sup>	1,690	MW	Saturday, January 30, 2021	-2	-4	1,325	1,222
NLH Island Power Purchases: <sup>6</sup>	125	MW	Sunday, January 31, 2021	-2	-2	1,305	1,202
Other Island Generation:	235	MW	Monday, February 01, 2021	-3	-4	1,350	1,246
ML/LIL Imports:	-	MW	Tuesday, February 02, 2021	-3	-3	1,320	1,217
Current St. John's Temperature & Windchill:	-6 °C	-11 °C	Wednesday, February 03, 2021	-1	3	1,365	1,261
7-Day Island Peak Demand Forecast:	1,395	MW	Thursday, February 04, 2021	4	0	1,210	1,108

#### Supply Notes For January 29, 2021

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- 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

Thu, Jan 28, 2021	Actual Island Peak Demand <sup>8</sup>	19:45	1,397 MW
Fri, Jan 29, 2021	Forecast Island Peak Demand		1,395 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).