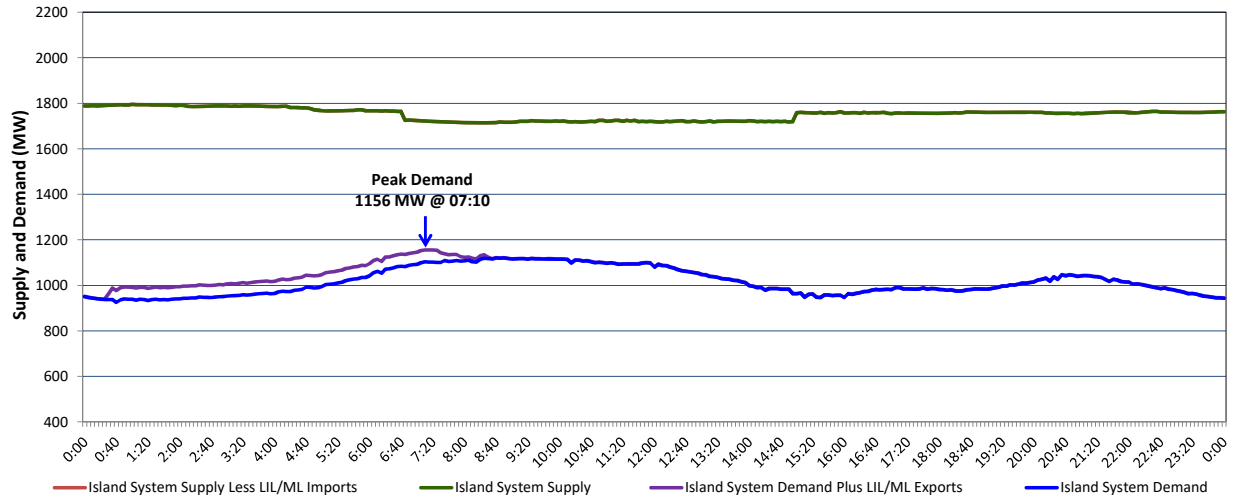


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, April 20, 2020

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Friday, April 17, 2020



#### Supply Notes For April 17, 2020

1,2

- A As of 0847 hours, March 19, 2020, Holyrood Diesels available at 8 MW (10 MW).
- B As of 1054 hours, March 31, 2020, Holyrood Unit 3 removed from service for economic dispatch (150 MW).
- C As of 1210 hours, April 13, 2020, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- D At 0643 hours, April 17, 2020, Granite Canal Unit unavailable (40 MW).
- E At 1500 hours, April 17, 2020, Granite Canal Unit available (40 MW).

### Section 2 Island Interconnected Supply and Demand

Sat, Apr 18, 2020	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>	1,745 MW	Saturday, April 18, 2020	-1	-1	1,080	988
NLH Island Generation: <sup>4</sup>	1,415 MW	Sunday, April 19, 2020	-1	2	1,200	1,106
NLH Island Power Purchases: <sup>6</sup>	120 MW	Monday, April 20, 2020	2	3	1,060	968
Other Island Generation:	210 MW	Tuesday, April 21, 2020	1	1	1,100	1,007
ML/LIL Imports:	- MW	Wednesday, April 22, 2020	2	2	1,055	963
Current St. John's Temperature & Windchill:	0 °C -7 °C	Thursday, April 23, 2020	2	1	1,060	968
7-Day Island Peak Demand Forecast:	1,200 MW	Friday, April 24, 2020	3	3	1,070	978

#### Supply Notes For April 18, 2020

3

- 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

Fri, Apr 17, 2020	Actual Island Peak Demand <sup>8</sup>	7:10	1,156 MW
Sat, Apr 18, 2020	Forecast Island Peak Demand		1,080 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).