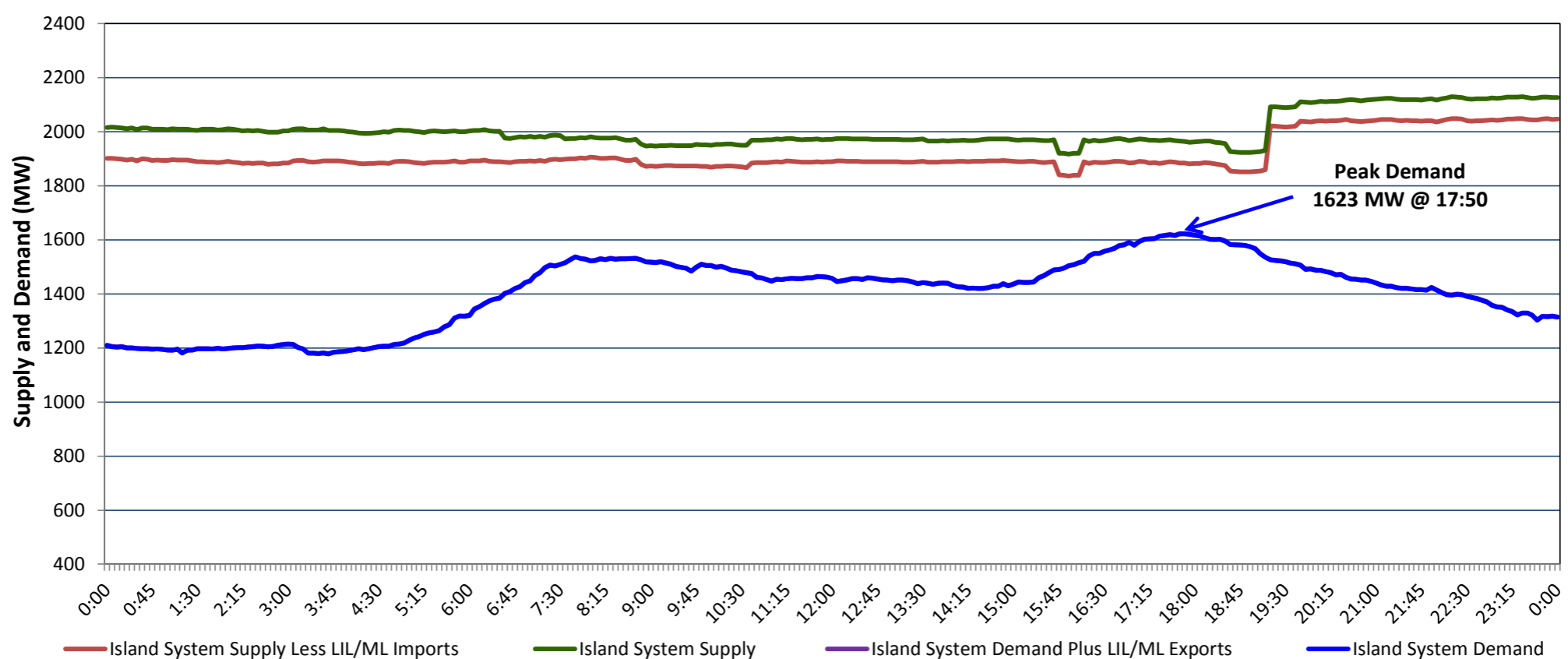


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, February 04, 2019

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Friday, February 01, 2019



#### Supply Notes For February 01, 2019

1,2

A At 1545 hours, February 01, 2019, Hardwoods Gas Turbine unavailable (50 MW).

B At 1609 hours, February 01, 2019, Hardwoods Gas Turbine available (50 MW).

C At 1911 hours, February 01, 2019, Holyrood Unit 1 available at 165 MW (170 MW).

### Section 2 Island Interconnected Supply and Demand

Sat, Feb 02, 2019	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>	2,103	MW	Saturday, February 02, 2019	-8	-7	1,545	1,441
NLH Island Generation: <sup>4</sup>	1,690	MW	Sunday, February 03, 2019	-6	-9	1,600	1,496
NLH Island Power Purchases: <sup>6</sup>	130	MW	Monday, February 04, 2019	-9	-5	1,600	1,496
Other Island Generation:	205	MW	Tuesday, February 05, 2019	-3	-3	1,450	1,347
ML/LIL Imports:	78	MW	Wednesday, February 06, 2019	1	3	1,385	1,283
Current St. John's Temperature & Windchill:	-8 °C	-14 °C	Thursday, February 07, 2019	-3	-6	1,500	1,397
7-Day Island Peak Demand Forecast:	1,670	MW	Friday, February 08, 2019	-13	-10	1,670	1,565

#### Supply Notes For February 02, 2019

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

Fri, Feb 01, 2019	Actual Island Peak Demand <sup>8</sup>	17:50	1,623 MW
Sat, Feb 02, 2019	Forecast Island Peak Demand		1,545 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).