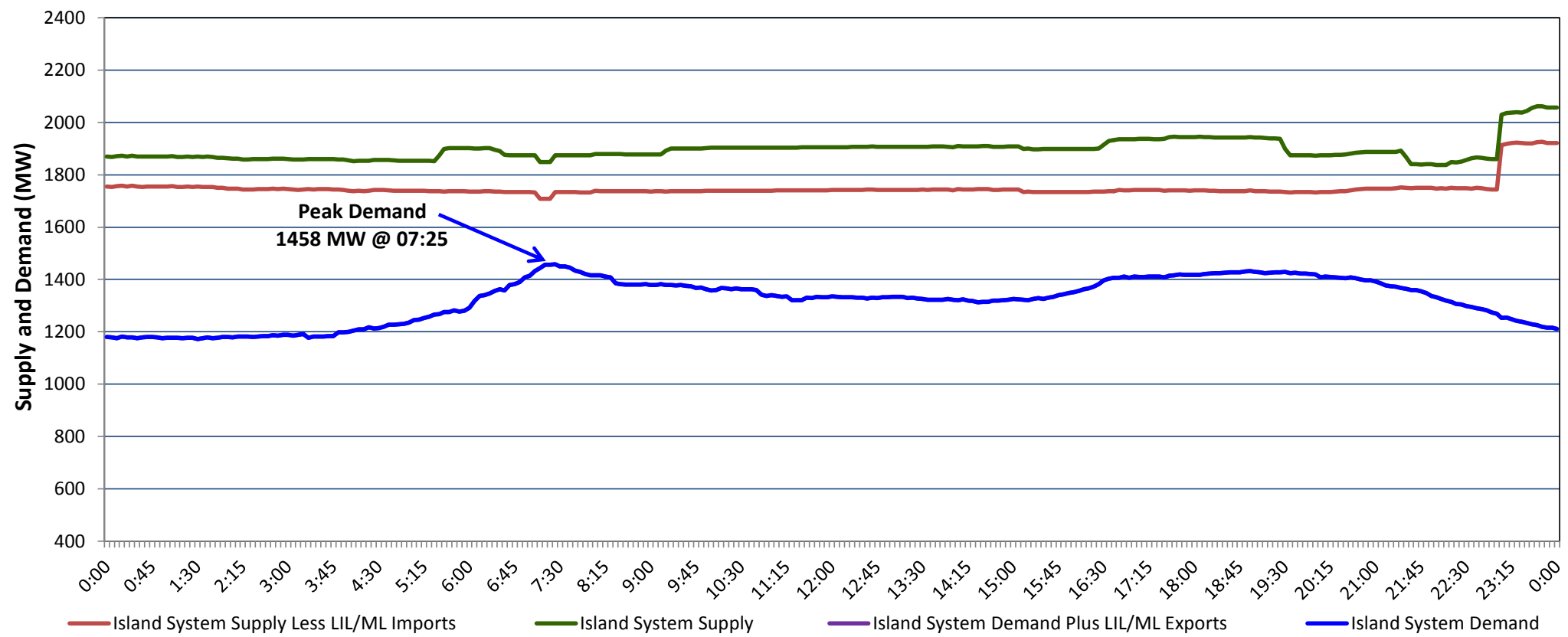


## Newfoundland Labrador Hydro (NLH)

**Supply and Demand Status Report Filed Thursday, March 07, 2019 (Revised - March 11, 2019)**

### Section 1

#### Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Wednesday, March 06, 2019



#### Supply Notes For March 06, 2019

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- A As of 0409 hours, February 27, 2019, Bay d'Espoir Unit 5 unavailable (76.5 MW).
- B At 0710 hours, March 06, 2019, Hardwoods Gas Turbine unavailable 25 MW (50 MW).
- C At 0721 hours, March 06, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).
- D At 1530 hours, March 06, 2019, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- E At 2305 hours, March 06, 2019, Holyrood Unit 2 available (170 MW).

### Section 2

#### Island Interconnected Supply and Demand

Thu, Mar 07, 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>	2,111 MW	Thursday, March 07, 2019	-8	-10	1,575	1,471
NLH Island Generation: <sup>4</sup>	1,590 MW	Friday, March 08, 2019	-11	-9	1,645	1,540
NLH Island Power Purchases: <sup>6</sup>	150 MW	Saturday, March 09, 2019	-6	-3	1,430	1,327
Other Island Generation:	205 MW	Sunday, March 10, 2019	-11	-7	1,505	1,402
ML/LIL Imports:	166 MW	Monday, March 11, 2019	-6	1	1,465	1,362
Current St. John's Temperature & Windchill:	-10 °C -17 °C	Tuesday, March 12, 2019	0	0	1,315	1,214
7-Day Island Peak Demand Forecast:	1,645 MW	Wednesday, March 13, 2019	-1	0	1,390	1,288

#### Supply Notes For March 07, 2019

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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

Wed, Mar 06, 2019	Actual Island Peak Demand <sup>8</sup>	07:25	1,458 MW
Thu, Mar 07, 2019	Forecast Island Peak Demand		1,575 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).