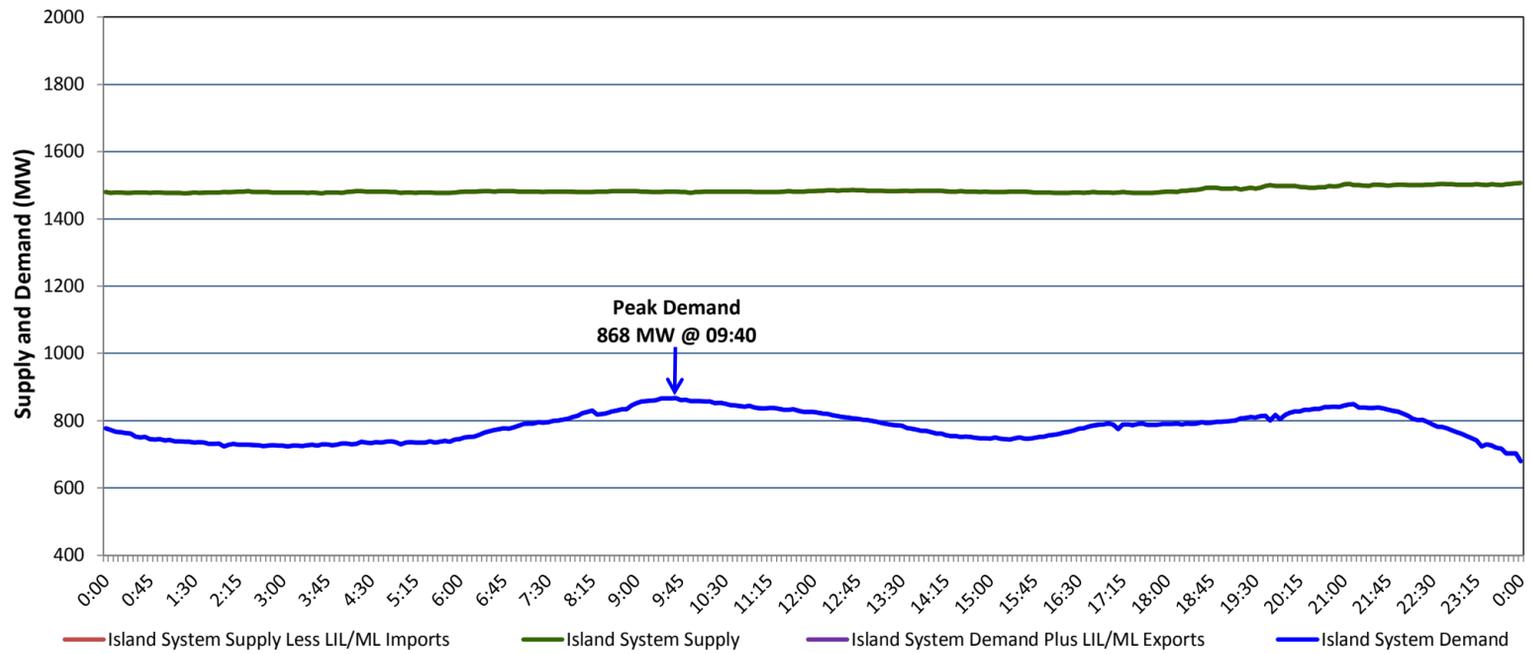


## Newfoundland Labrador Hydro (NLH)

### Supply and Demand Status Report Filed Monday, June 03, 2019 (Revised - June 05, 2019)

#### Section 1

#### Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Sunday, June 02, 2019



#### Supply Notes For June 02, 2019

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- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- C As of 1000 hours, May 16, 2019, Holyrood Unit 2 removed from service for economic dispatch (170 MW).
- D As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
- E As of 1426 hours, May 26, 2019, Paradise River Unit unavailable due to planned outage (8 MW).
- F As of 1057 hours, May 28, 2019, Stephenville Gas Turbine unavailable due to planned outage (50 MW).

#### Section 2

#### Island Interconnected Supply and Demand

Mon, Jun 03, 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>	1,480	MW	Monday, June 03, 2019	6	14	990	990
NLH Island Generation: <sup>4</sup>	1,160	MW	Tuesday, June 04, 2019	13	14	880	880
NLH Island Power Purchases: <sup>6</sup>	110	MW	Wednesday, June 05, 2019	11	11	815	815
Other Island Generation:	210	MW	Thursday, June 06, 2019	10	11	850	850
ML/LIL Imports:	-	MW	Friday, June 07, 2019	12	13	845	845
Current St. John's Temperature & Windchill:	5 °C	N/A °C	Saturday, June 08, 2019	9	8	850	850
7-Day Island Peak Demand Forecast:	990	MW	Sunday, June 09, 2019	10	8	805	805

#### Supply Notes For June 03, 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

Sun, Jun 02, 2019	Actual Island Peak Demand <sup>8</sup>	09:40	868 MW
Mon, Jun 03, 2019	Forecast Island Peak Demand		990 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).