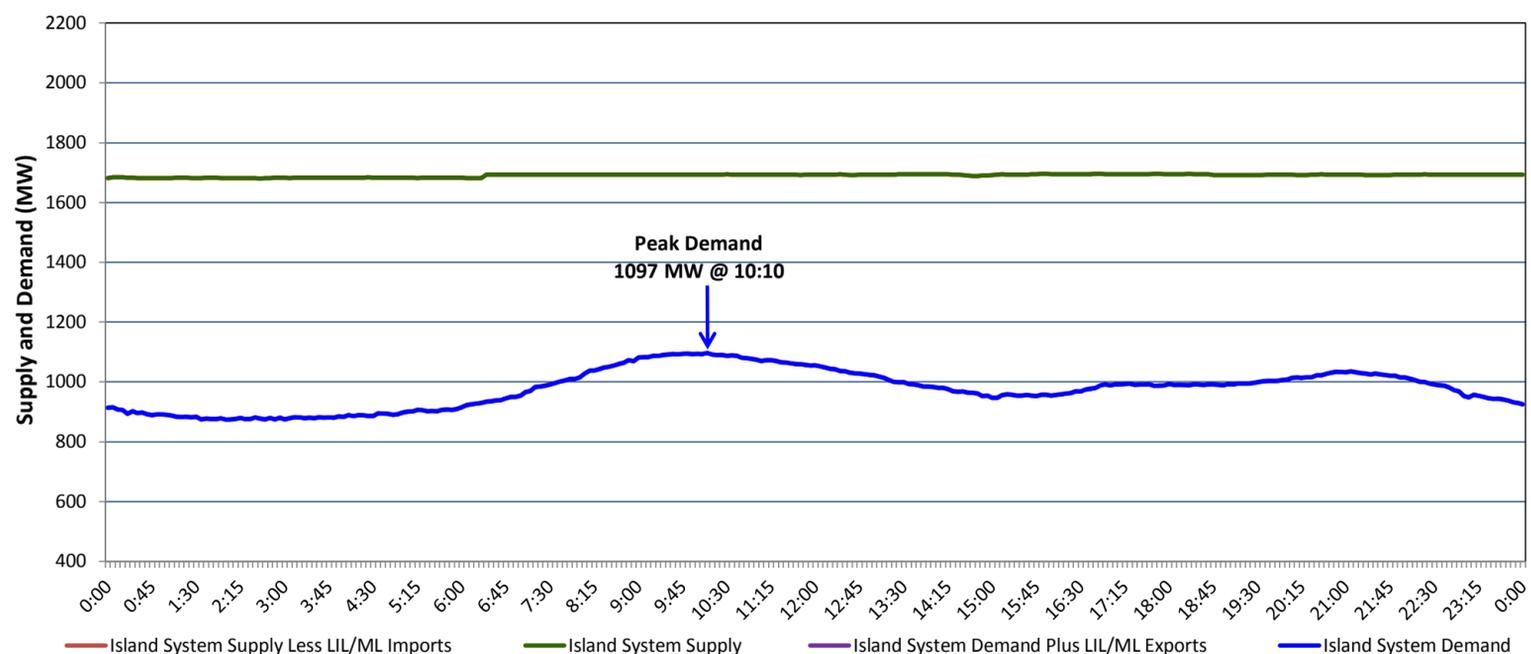


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, May 13, 2019

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Saturday, May 11, 2019



#### Supply Notes For May 11, 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 0900 hours, April 23, 2019, St. Anthony Diesel Plant unavailable due to planned outage 7.7 MW (9.7 MW).
- C As of 1833 hours, April 27, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).
- D As of 0918 hours, May 01, 2019, Holyrood Unit 1 available at 166 MW (170 MW).
- E As of 1049 hours, May 02, 2019, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
- F As of 1430 hours, May 05, 2019, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).

### Section 2 Island Interconnected Supply and Demand

| Sun, May 12, 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>     | 1,685 MW                           | Sunday, May 12, 2019    | 1                | 2       | 1,145                                | 1,145                 |
| NLH Island Generation: <sup>4</sup>              | 1,360 MW                           | Monday, May 13, 2019    | 3                | 2       | 1,125                                | 1,125                 |
| NLH Island Power Purchases: <sup>6</sup>         | 115 MW                             | Tuesday, May 14, 2019   | 4                | 2       | 1,035                                | 1,035                 |
| Other Island Generation:                         | 210 MW                             | Wednesday, May 15, 2019 | 2                | 3       | 1,080                                | 1,080                 |
| ML/LIL Imports:                                  | - MW                               | Thursday, May 16, 2019  | 6                | 4       | 1,045                                | 1,045                 |
| Current St. John's Temperature & Windchill: 1 °C | N/A °C                             | Friday, May 17, 2019    | 5                | 7       | 1,000                                | 1,000                 |
| 7-Day Island Peak Demand Forecast:               | 1,145 MW                           | Saturday, May 18, 2019  | 4                | 3       | 975                                  | 975                   |

#### Supply Notes For May 12, 2019

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- G At 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).

- 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

|                   |  |       |          |
|-------------------|--|-------|----------|
| Sat, May 11, 2019 | Actual Island Peak Demand <sup>8</sup> | 10:10 | 1,097 MW |
| Sun, May 12, 2019 | Forecast Island Peak Demand            |       | 1,145 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).