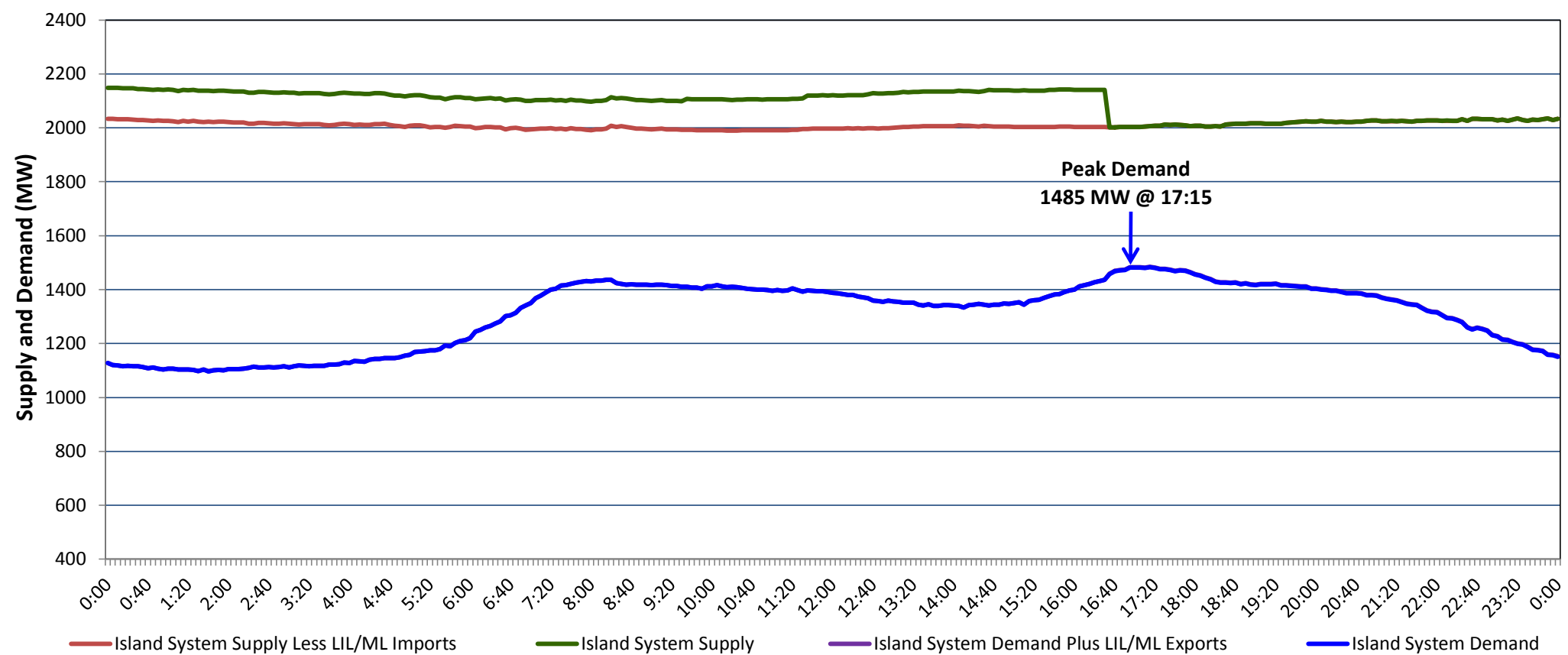


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, January 17, 2019

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Wednesday, January 16, 2019



#### Supply Notes For January 16, 2019

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A As of 0620 hours, January 10, 2019, Holyrood Unit 1 available at 162 MW (170 MW).

B At 1830 hours, January 16, 2019, Paradise River Unit available (8 MW).

### Section 2 Island Interconnected Supply and Demand

| Thu, Jan 17, 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> | 2,045 MW                           | Thursday, January 17, 2019  | -3               | -6      | 1,515                                | 1,411                 |
| NLH Island Generation: <sup>4</sup>          | 1,685 MW                           | Friday, January 18, 2019    | -9               | -6      | 1,600                                | 1,496                 |
| NLH Island Power Purchases: <sup>6</sup>     | 150 MW                             | Saturday, January 19, 2019  | -2               | -1      | 1,465                                | 1,362                 |
| Other Island Generation:                     | 210 MW                             | Sunday, January 20, 2019    | -10              | -6      | 1,605                                | 1,500                 |
| ML/LIL Imports:                              | - MW                               | Monday, January 21, 2019    | 2                | 4       | 1,425                                | 1,323                 |
| Current St. John's Temperature & Windchill:  | -3 °C                              | Tuesday, January 22, 2019   | -1               | -4      | 1,575                                | 1,471                 |
| 7-Day Island Peak Demand Forecast:           | 1,605 MW                           | Wednesday, January 23, 2019 | -4               | -2      | 1,480                                | 1,377                 |

#### Supply Notes For January 17, 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, Jan 16, 2019 | Actual Island Peak Demand <sup>8</sup> | 17:15 | 1,485 MW |
| Thu, Jan 17, 2019 | Forecast Island Peak Demand            |       | 1,515 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).