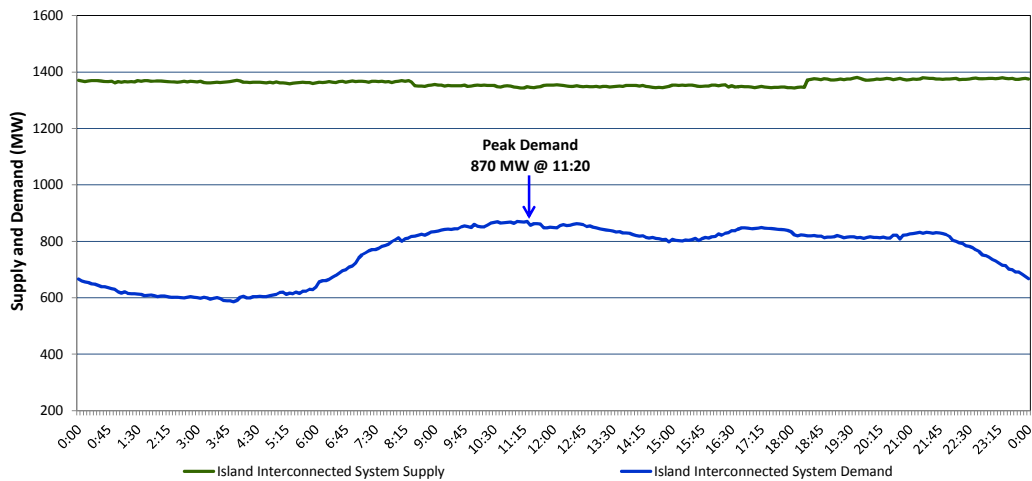


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, July 22, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, July 21, 2015



#### Supply Notes For July 21, 2015

- A As of 1823 hours, March 01, 2015, Hardwoods Gas Turbine End B unavailable (25 MW).
- B As of 1333 hours, April 10, 2015, Holyrood Unit 3 removed from service for annual maintenance (150 MW).
- C As of 0808 hours, May 27, 2015, Bay d'Espoir Unit 5 removed from service for annual maintenance (76.5 MW).
- D As of 0808 hours, May 27, 2015, Bay d'Espoir Unit 6 removed from service for annual maintenance (76.5 MW).
- E As of 0824 hours, May 29, 2015, Hardwoods Gas Turbine End A unavailable (25 MW).
- F As of 1440 hours, June 06, 2015, Holyrood Unit 2 removed from service for annual maintenance (170 MW).
- G As of 1450 hours, June 24, 2015, Hawke's Bay Unit 548 (G2) unavailable (2.5 MW).
- H As of 1810 hours, July 08, 2015, Bay d'Espoir Unit 1 de-rated to 45 MW (76.5 MW).
- I As of 1530 hours, July 19, 2015, Granite Canal removed from service for annual maintenance (40 MW).
- J At 1825 hours, July 21, 2015, Stephenville Gas Turbine End A, returned to service (25MW).

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### Section 2 Island Interconnected Supply and Demand

| Wed, Jul 22, 2015 Island System Outlook <sup>3</sup> |          | Seven-Day Forecast       | Temperature (°C) |         | Island System Daily Peak Demand (MW) Forecast |
|--|----------|--------------------------|------------------|---------|---|
|  |          |                          | Morning          | Evening |   |
| Available Island System Supply: <sup>5</sup>         | 1,400 MW | Wednesday, July 22, 2015 | 10               | 11      | 845   |
| NLH Generation: <sup>4</sup>                         | 1,070 MW | Thursday, July 23, 2015  | 12               | 13      | 835   |
| NLH Power Purchases:                                 | 125 MW   | Friday, July 24, 2015    | 13               | 9       | 835   |
| Other Island Generation:                             | 205 MW   | Saturday, July 25, 2015  | 9                | 9       | 830   |
| Current St. John's Temperature:                      | 9 °C     | Sunday, July 26, 2015    | 9                | 9       | 815   |
| Current St. John's Windchill:                        | N/A °C   | Monday, July 27, 2015    | 12               | 13      | 815   |
| 7-Day Island Peak Demand Forecast:                   | 845 MW   | Tuesday, July 28, 2015   | 12               | 12      | 830   |

#### Supply Notes For July 22, 2015

- K At 0719 hours, July 22, 2015, Stephenville Gas Turbine End B unavailable (25 MW).

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- Notes:
- 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.
  - Due to the Island Interconnected System being isolated from the larger North American grid, when there is a sudden loss of large generating units some customer's load must be interrupted for short periods to bring generation output equal to customer demand. This automatic action of power system protection, referred to as underfrequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Underfrequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).

### Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

|                   |  |       |        |
|-------------------|--|-------|--------|
| Tue, Jul 21, 2015 | Actual Island Peak Demand <sup>7</sup> | 11:20 | 870 MW |
| Wed, Jul 22, 2015 | Forecast Island Peak Demand            |       | 845 MW |

Notes: 7. Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).