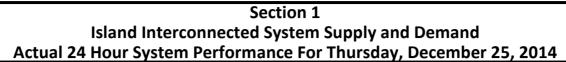
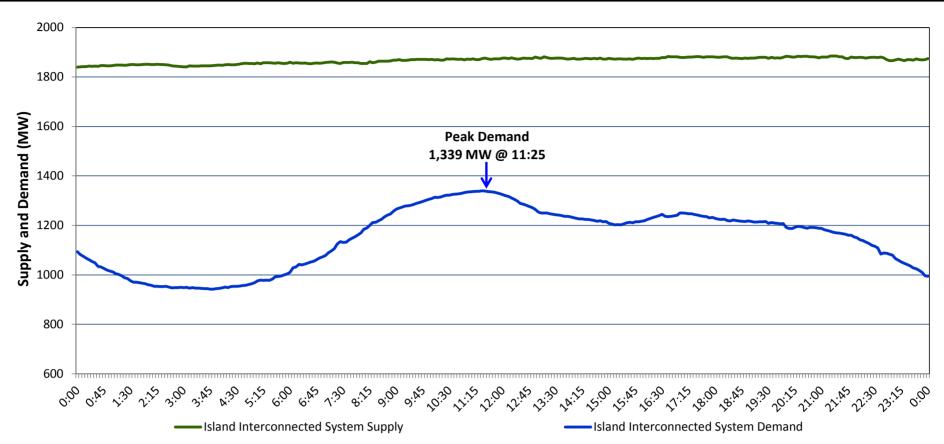
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, December 29, 2014





## Supply Notes for December 25, 2014<sup>1,2</sup>

- A As of 1000 hours, November 21, 2014, Nalcor Exploits Unit 4 unavailable due to a forced outage (30 MW). Net impact to system 4 MW (the excess water utilised by other Nalcor Grand Falls Units 5 to 8).
- As of 1711 hours, December 12, 2014, the Hardwoods Gas Turbine End 'B' unavailable (25 MW).
- As of 1315 hours, December 15, 2014, the Stephenville Gas Turbine End 'B' unavailable (25 MW).

| Section 2 Island Interconnected Supply and Demand    |                  |    |                              |                     |                |   |                       |  |  |
|--|------------------|----|------------------------------|---------------------|----------------|---|-----------------------|--|--|
| Fri, Dec 26, 2014 Island System Outlook <sup>3</sup> |                  |    | •                            | Temperature<br>(°C) |                | Island System Daily<br>Peak Demand (MW) |                       |  |  |
|  |                  |    |                              | Morning             | <b>Evening</b> | Forecast                                | Adjusted <sup>6</sup> |  |  |
| Available Island System Supply:5                     | 1,860            | MW | Friday, December 26, 2014    | 5                   | 2              | 1,250                                   | 1,155                 |  |  |
| NLH Generation: <sup>4</sup>                         | 1,520            | MW | Saturday, December 27, 2014  | -2                  | -1             | 1,325                                   | 1,230                 |  |  |
| NLH Power Purchases:                                 | 125              | MW | Sunday, December 28, 2014    | -3                  | -2             | 1,375                                   | 1,280                 |  |  |
| Other Island Generation:                             | 215              | MW | Monday, December 29, 2014    | -1                  | 0              | 1,400                                   | 1,305                 |  |  |
| Current St. John's Temperature:                      | 5                | °C | Tuesday, December 30, 2014   | -5                  | -6             | 1,500                                   | 1,400                 |  |  |
| Current St. John's Windchill:                        | N/A              | °C | Wednesday, December 31, 2014 | -6                  | -8             | 1,500                                   | 1,400                 |  |  |
| 7-Day Island Peak Demand Forecas                     | st: <b>1,500</b> | MW | Thursday, January 01, 2015   | -5                  | -5             | 1,400                                   | 1,305                 |  |  |

## Supply Notes for December 26, 2014<sup>3</sup>

- 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 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.
  - 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. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

| Section 3  Island Peak Demand Information  Previous Day Actual Peak and Current Day Forecast Peak |  |       |          |  |  |  |
|---|--|-------|----------|--|--|--|
| Thu, Dec 25, 2014   | Actual Island Peak Demand <sup>7</sup> | 11:25 | 1,339 MW |  |  |  |
| Fri, Dec 26, 2014   | Forecast Island Peak Demand            |       | 1,250 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).