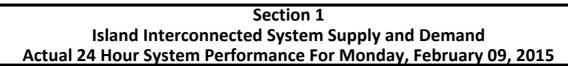
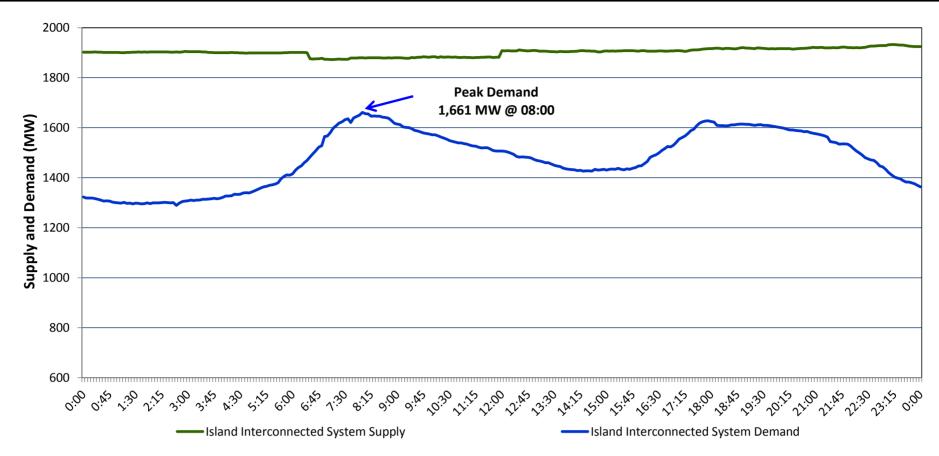
## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, February 10, 2015





## Supply Notes For February 09, 2015

- As of 1016 hours, January 30, 2015, St. Anthony Diesel Plant G5 (Unit 546) unavailable (2 MW).
- At 0630 hours, February 09, 2015, the Stephenville Gas Turbine End B unavailable (25 MW).
- At 1200 hours, February 09, 2015, the Stephenville Gas Turbine End B available (25 MW).

## Section 2 **Island Interconnected Supply and Demand** Temperature **Island System Daily** Island System Outlook<sup>3</sup> Tue, Feb 10, 2015 (°C) Seven-Day Forecast Peak Demand (MW) Forecast Adjusted<sup>b</sup> Morning Evening Available Island System Supply:5 1,920 MWTuesday, February 10, 2015 -6 1,640 1,540 NLH Generation: 1,565 MW Wednesday, February 11, 2015 -5 -10 1,600 1,500 **NLH Power Purchases:** 140 MWThursday, February 12, 2015 -6 -3 1,580 1,480 Friday, February 13, 2015 -3 -3 1,400 Other Island Generation: 215 MW 1,495 °C 1,465 Current St. John's Temperature: -8 Saturday, February 14, 2015 -3 -4 1,370 $^{\circ}$ C Sunday, February 15, 2015 -5 -3 1,390 Current St. John's Windchill: -15 1,485 MW Monday, February 16, 2015 2 0 7-Day Island Peak Demand Forecast: 1,640 1,340 1,435

## Supply Notes For February 10, 2015

- 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			
Mon, Feb 09, 2015	Actual Island Peak Demand <sup>7</sup>	08:00	1,661 MW
Tue, Feb 10, 2015	Forecast Island Peak Demand		1,640 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).