

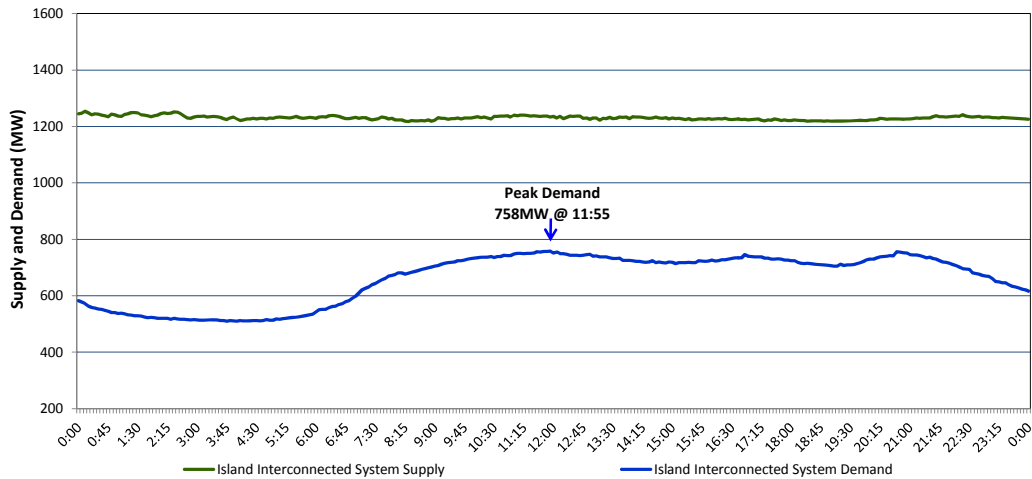
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Tuesday, September 08, 2015

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Friday, September 04, 2015



Supply Notes For September 04, 2015 ^{1,2}

- A As of 1440 hours, June 06, 2015, Holyrood Unit 2 removed from service for annual maintenance (170 MW).
- B As of 1450 hours, June 24, 2015, Hawke's Bay Unit 548 (G2) unavailable (2.5 MW).
- C As of 1602 hours, July 31, 2015, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 20 MW, End B 19 MW.
- D As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- E As of 0912 hours, August 16, 2015, Bay d'Espoir Unit 7 removed from service for annual maintenance (154.4 MW).
- F As of 1330 hours, August 19, 2015, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- G As of 0955 hours, August 27, 2015, Holyrood Unit 3 derated to 70 MW (150 MW).
- H As of 1042 hours, August 31, 2015, Stephenville Gas Turbine unavailable. Previously derated to 30 MW (50 MW).
- I As of 0701 hours, September 02, 2015, Star Lake Unit derated to 12 MW (18 MW).
- J As of 1510 hours, September 02, 2015, Bay d'Espoir Unit 1 available. Derated to 45 MW (76.5 MW).

Section 2

Island Interconnected Supply and Demand

| Sat, Sep 05, 2015 Island System Outlook ³ | | | Temperature (°C) | | Island System Daily Peak Demand (MW) |
|--|----------|-------------------------------|------------------|---------|--------------------------------------|
| | | | | | |
| Seven-Day Forecast | | | Morning | Evening | Forecast |
| Available Island System Supply: ⁵ | 1,230 MW | Saturday, September 05, 2015 | 12 | 15 | 755 |
| NLH Generation: ⁴ | 945 MW | Sunday, September 06, 2015 | 10 | 11 | 770 |
| NLH Power Purchases: | 95 MW | Monday, September 07, 2015 | 14 | 18 | 795 |
| Other Island Generation: | 190 MW | Tuesday, September 08, 2015 | 13 | 10 | 785 |
| Current St. John's Temperature: | 12 °C | Wednesday, September 09, 2015 | 13 | 15 | 745 |
| Current St. John's Windchill: | N/A °C | Thursday, September 10, 2015 | 14 | 17 | 755 |
| 7-Day Island Peak Demand Forecast: | 795 MW | Friday, September 11, 2015 | 15 | 15 | 770 |

Supply Notes For September 05, 2015 ³

- 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

| | | | |
|-------------------|--|-------|--------|
| Fri, Sep 04, 2015 | Actual Island Peak Demand ⁷ | 11:55 | 758 MW |
| Sat, Sep 05, 2015 | Forecast Island Peak Demand | | 755 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).