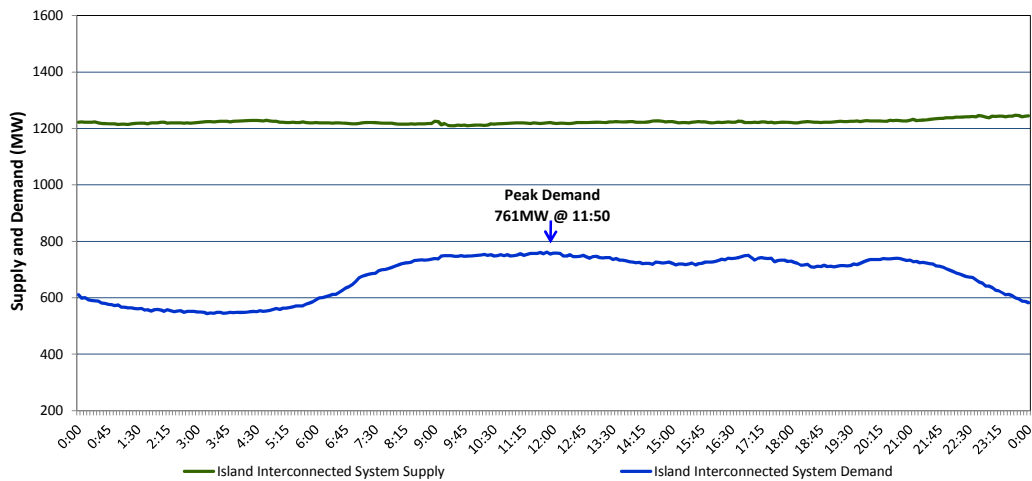


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Friday, September 04, 2015 (Revised - September 8, 2015)

Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Thursday, September 03, 2015



Supply Notes For September 03, 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 2, 2015, Star Lake Unit derated to 12 MW (18 MW).
- J** As of 1510 hours, September 2, 2015, Bay d'Espoir Unit 1 available. Derated to 45 MW (76.5 MW).
- K** At 0854 hours, September 3, 2015, Nalcor Grand Falls Unit 9 available (30 MW). Net gain to the system is 4 MW.

Section 2 Island Interconnected Supply and Demand

Fri, Sep 04, 2015		Island System Outlook ³		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)
						Morning	Evening	Forecast
Available Island System Supply: ⁵	1,230	MW		Friday, September 04, 2015		13	11	785
NLH Generation: ⁴	945	MW		Saturday, September 05, 2015		13	16	765
NLH Power Purchases:	95	MW		Sunday, September 06, 2015		11	12	745
Other Island Generation:	190	MW		Monday, September 07, 2015		11	16	800
Current St. John's Temperature:	14	°C		Tuesday, September 08, 2015		19	11	800
Current St. John's Windchill:	N/A	°C		Wednesday, September 09, 2015		13	15	760
7-Day Island Peak Demand Forecast:	800	MW		Thursday, September 10, 2015		14	18	790

Supply Notes For September 04, 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

Thu, Sep 03, 2015	Actual Island Peak Demand ⁷	11:50	761 MW
Fri, Sep 04, 2015	Forecast Island Peak Demand		785 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).