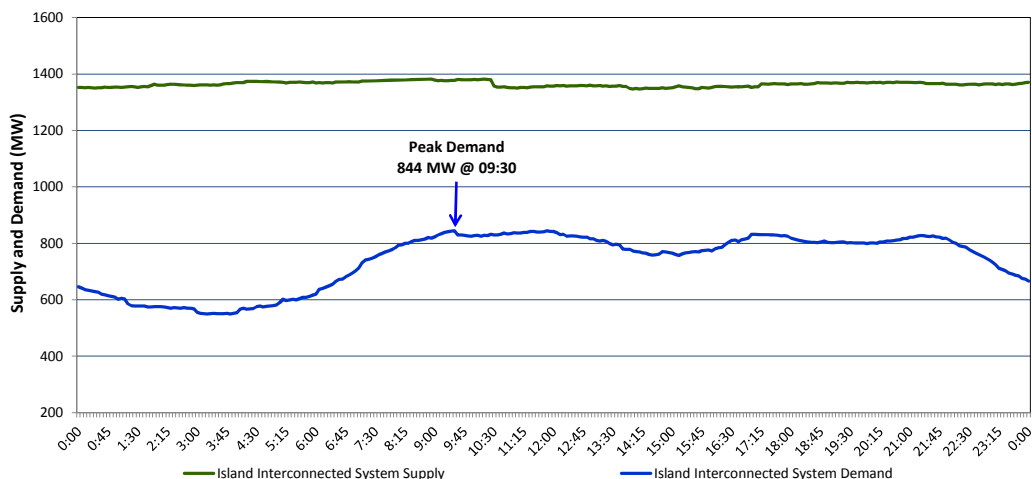


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, July 21, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, July 20, 2015



#### Supply Notes For July 20, 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 10:27 hours, July 20, 2015, Stephenville Gas Turbine End A unavailable (25 MW).**

### Section 2 Island Interconnected Supply and Demand

Tue, Jul 21, 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>	1,380 MW	Tuesday, July 21, 2015	9	10	860
NLH Generation: <sup>4</sup>	1,070 MW	Wednesday, July 22, 2015	11	11	845
NLH Power Purchases:	125 MW	Thursday, July 23, 2015	12	14	815
Other Island Generation:	185 MW	Friday, July 24, 2015	14	15	805
Current St. John's Temperature:	8 °C	Saturday, July 25, 2015	12	10	795
Current St. John's Windchill:	N/A °C	Sunday, July 26, 2015	9	11	815
7-Day Island Peak Demand Forecast:	860 MW	Monday, July 27, 2015	14	14	790

#### Supply Notes For July 21, 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).

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

Mon, Jul 20, 2015	Actual Island Peak Demand <sup>7</sup>	09:30	844 MW
Tue, Jul 21, 2015	Forecast Island Peak Demand		860 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).