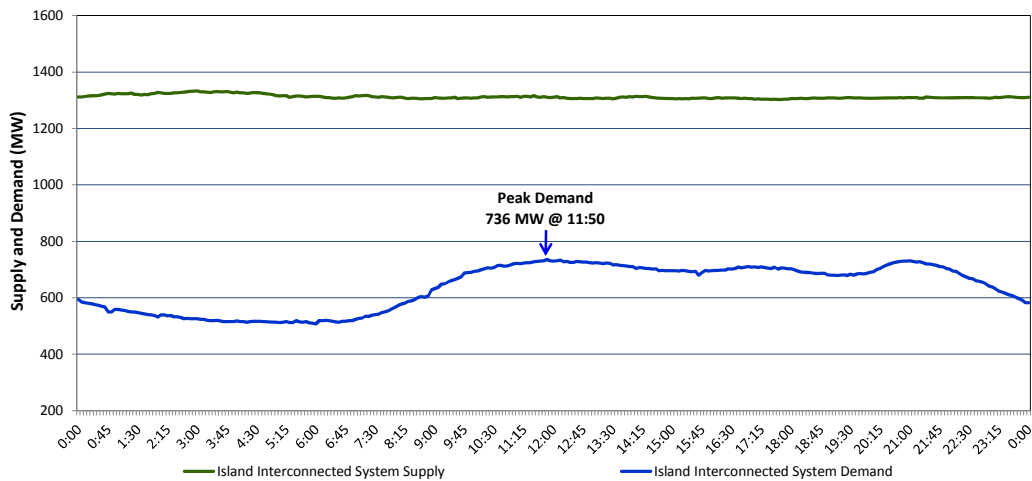


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, August 24, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Sunday, August 23, 2015



#### Supply Notes For August 23, 2015

- 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 1225 hours, July 30, 2015, Stephenville Gas Turbine derated to 30 MW (50 MW). End A 25 MW, End B 15 MW
- D As of 1602 hours, July 31, 2015, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 20 MW, End B 19 MW.
- E As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
- F As of 0816 hours, August 07, 2015, Nalcor Grand Falls Unit 9 unavailable (30 MW). Net loss to the system is 4 MW.
- G As of 0912 hours, August 16, 2015, Bay d'Espoir Unit 7 removed from service for annual maintenance (154.4 MW).
- H As of 1330 hours, August 19, 2015, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- I As of 1942 hours, August 20, 2015, Bay d'Espoir Unit 1 derated to 45 MW (76.5 MW).
- J As of 1728 hours, August 22, 2015, Star Lake Unit unavailable (18 MW).

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### Section 2 Island Interconnected Supply and Demand

Mon, Aug 24, 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>	1,315 MW	Monday, August 24, 2015	18	16	780
NLH Generation: <sup>4</sup>	1,055 MW	Tuesday, August 25, 2015	14	12	775
NLH Power Purchases:	65 MW	Wednesday, August 26, 2015	11	12	755
Other Island Generation:	195 MW	Thursday, August 27, 2015	13	13	780
Current St. John's Temperature:	18 °C	Friday, August 28, 2015	15	16	790
Current St. John's Windchill:	N/A °C	Saturday, August 29, 2015	16	17	755
7-Day Island Peak Demand Forecast:	790 MW	Sunday, August 30, 2015	13	13	745

#### Supply Notes For August 24, 2015

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- 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

Sun, Aug 23, 2015	Actual Island Peak Demand <sup>7</sup>	11:50	736 MW
Mon, Aug 24, 2015	Forecast Island Peak Demand		780 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).