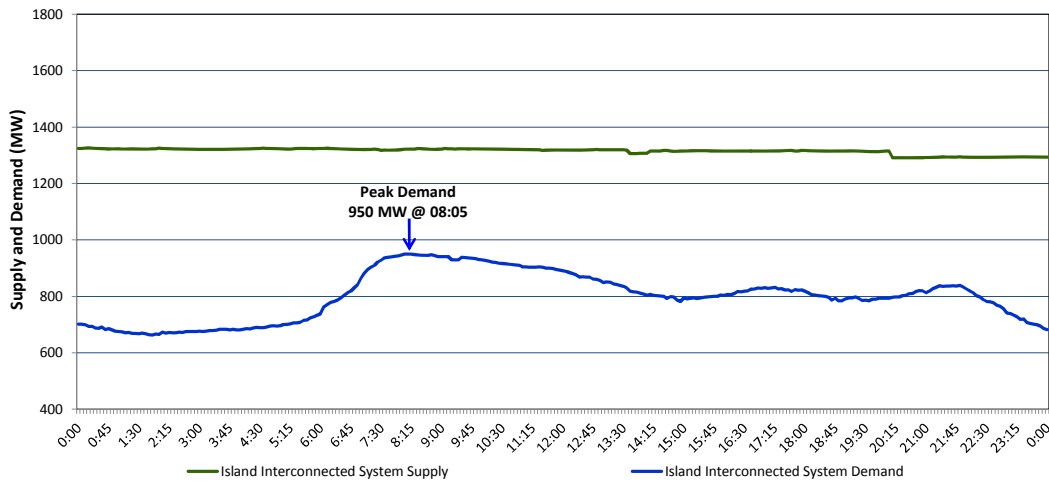


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, June 07, 2016

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, June 06, 2016



#### Supply Notes For June 06, 2016

- 1,2
- A As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
  - B As of 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.
  - C As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
  - D As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
  - E As of 2209 hours, April 30, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
  - F As of 0937 hours, May 10, 2016, Bay d'Espoir Unit 6 unavailable (76.5 MW).
  - G As of 0919 hours, May 29, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).
  - H As of 0958 hours, May 31, 2016, Holyrood Combustion Turbine unavailable (123.5 MW).
  - I As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).
  - J As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).
  - K As of 1059 hours, June 05, 2016, Nalcor Exploits Grand Falls Unit 9 (30 MW) unavailable. Net impact to the Island Interconnected System is 7 MW.
  - L **At 2008 hours, June 06, 2016, Stephenville Gas Turbine End B unavailable (25 MW).**

### Section 2 Island Interconnected Supply and Demand

Tue, Jun 07, 2016	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>	1,305 MW	Tuesday, June 07, 2016	6	5	880
NLH Generation: <sup>4</sup>	1,030 MW	Wednesday, June 08, 2016	5	5	1,005
NLH Power Purchases: <sup>6</sup>	100 MW	Thursday, June 09, 2016	6	8	980
Other Island Generation:	175 MW	Friday, June 10, 2016	6	7	955
Current St. John's Temperature:	6 °C	Saturday, June 11, 2016	8	7	860
Current St. John's Windchill:	N/A °C	Sunday, June 12, 2016	9	9	780
7-Day Island Peak Demand Forecast:	1,005 MW	Monday, June 13, 2016	11	10	880

#### Supply Notes For June 07, 2016

- 3
- 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 under frequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Under frequency 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. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.

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

Mon, Jun 06, 2016	Actual Island Peak Demand <sup>8</sup>	08:05	950 MW
Tue, Jun 07, 2016	Forecast Island Peak Demand		880 MW

Notes: 8. 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).