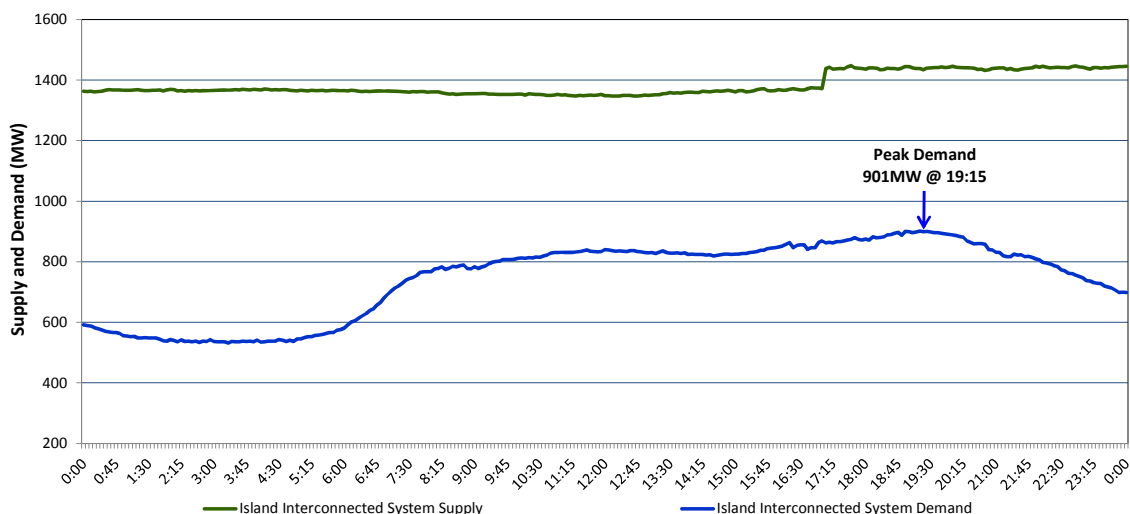


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, October 05, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Friday, October 02, 2015



#### Supply Notes For October 02, 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 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).  
**D** As of 1330 hours, August 19, 2015, Bay d'Espoir Unit 2 unavailable (76.5 MW).  
**E** As of 1042 hours, August 31, 2015, Stephenville Gas Turbine unavailable. Previously derated to 30 MW (50 MW).  
**F** As of 0932 hours, September 27, 2015, Hardwoods Gas Turbine available. Derated to 38 MW (50 MW). End A 20 MW, End B 19 MW.  
**G** As of 1605 hours, September 27, 2015, Bay d'Espoir Unit 4 unavailable (76.5 MW).  
**H** At 1706 hours, October 2, 2015, Holyrood Unit 3 available (150 MW).

### Section 2 Island Interconnected Supply and Demand

Sat, Oct 03, 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>	1,455 MW	Saturday, October 03, 2015	7	6	925
NLH Generation: <sup>4</sup>	1,135 MW	Sunday, October 04, 2015	8	7	860
NLH Power Purchases:	115 MW	Monday, October 05, 2015	9	11	810
Other Island Generation:	205 MW	Tuesday, October 06, 2015	10	11	885
Current St. John's Temperature:	5 °C	Wednesday, October 07, 2015	9	9	860
Current St. John's Windchill:	N/A °C	Thursday, October 08, 2015	11	8	935
7-Day Island Peak Demand Forecast:	935 MW	Friday, October 09, 2015	5	6	930

#### Supply Notes For October 03, 2015

- 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, Oct 02, 2015	Actual Island Peak Demand <sup>7</sup>	19:15	901 MW
Sat, Oct 03, 2015	Forecast Island Peak Demand		925 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).