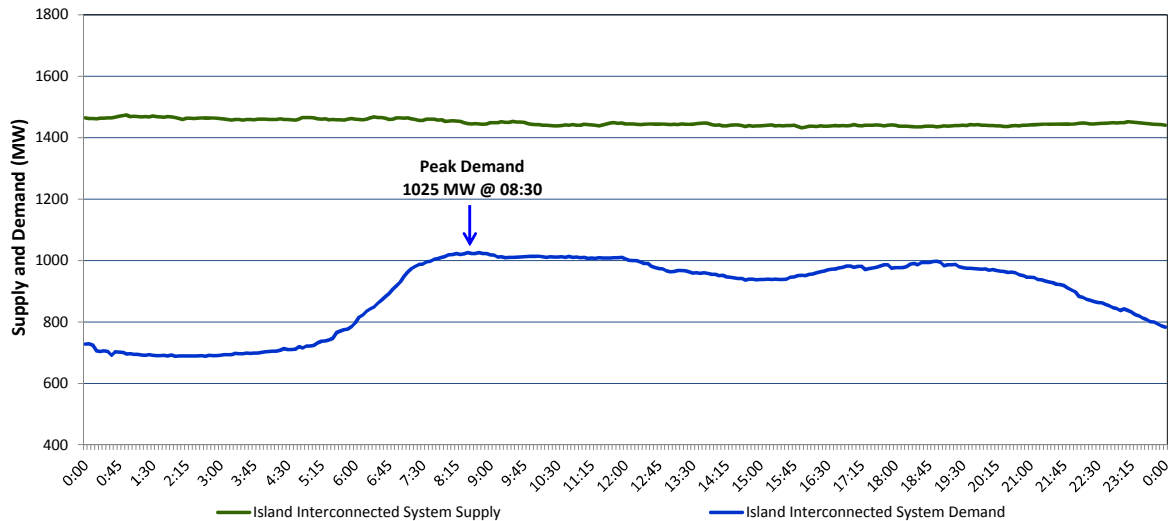


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, October 20, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, October 19, 2015



#### Supply Notes For October 19, 2015 <sup>1,2</sup>

- A** As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).  
**B** As of 1042 hours, August 31, 2015, Stephenville Gas Turbine unavailable. Previously derated to 30 MW (50 MW).  
**C** As of 1605 hours, September 27, 2015, Bay d'Espoir Unit 4 unavailable (76.5 MW).  
**D** As of 1527 hours, October 07, 2015, Holyrood Unit 3 removed from service for economic dispatch (150 MW).  
**E** As of 1608 hours, October 09, 2015, Hardwoods Gas Turbine available. Derated to 38 MW (50 MW). End B 20 MW, End B 19 MW.  
**F** As of 1610 hours, October 11, 2015, Bay d'Espoir Unit 3 unavailable (76.5 MW).  
**G** As of 1156 hours, October 18, 2015, Nalcor Exploits Unit 9 unavailable (30 MW). Net impact to Island System is 10 MW.

### Section 2 Island Interconnected Supply and Demand

Tue, Oct 20, 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>	1,460 MW	Tuesday, October 20, 2015	4	6	1,070
NLH Generation: <sup>4</sup>	1,160 MW	Wednesday, October 21, 2015	9	5	1,050
NLH Power Purchases:	90 MW	Thursday, October 22, 2015	4	4	1,015
Other Island Generation:	210 MW	Friday, October 23, 2015	7	10	985
Current St. John's Temperature:	3 °C	Saturday, October 24, 2015	7	6	1,015
Current St. John's Windchill:	N/A °C	Sunday, October 25, 2015	6	6	955
7-Day Island Peak Demand Forecast:	1,070 MW	Monday, October 26, 2015	11	11	930

#### Supply Notes For October 20, 2015 <sup>3</sup>

- 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, Oct 19, 2015	Actual Island Peak Demand <sup>7</sup>	08:30	1,025 MW
Tue, Oct 20, 2015	Forecast Island Peak Demand		1,070 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).