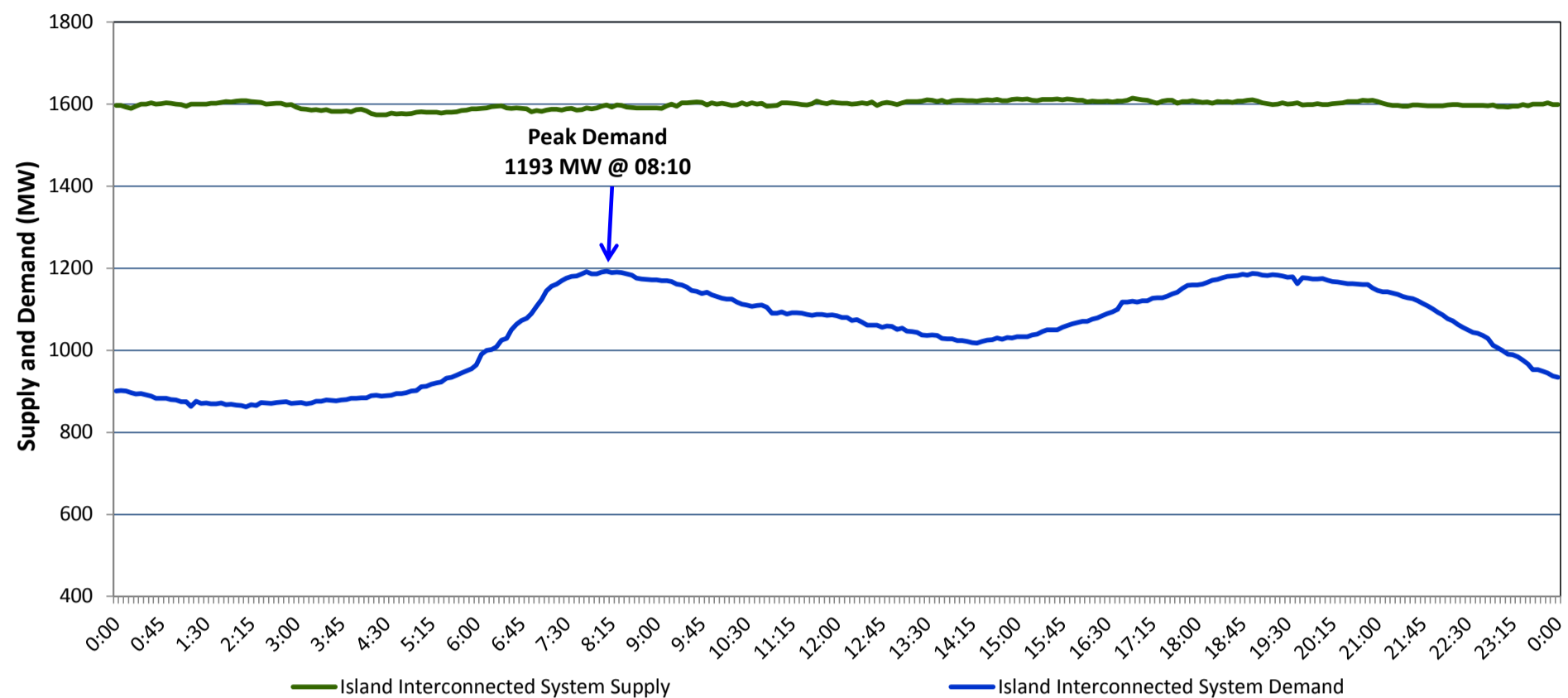


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, October 29, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Wednesday, October 28, 2015



#### Supply Notes For October 28, 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 1827 hours, October 23, 2015, Hardwoods Gas Turbine derated to 38MW (50MW). End A 20MW, End B 19MW.
- E** As of 1650 hours, October 26, 2015, Hinds Lake Unit unavailable (75 MW).
- F** As of 1825 hours, October 26, 2015, Nalcor Exploits Grand Falls Units 5-8 unavailable. No net impact to the Island Interconnected System.

### Section 2 Island Interconnected Supply and Demand

Thu, Oct 29, 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>	1,575 MW	Thursday, October 29, 2015	1	6	1,220
NLH Generation: <sup>4</sup>	1,310 MW	Friday, October 30, 2015	15	8	1,040
NLH Power Purchases:	70 MW	Saturday, October 31, 2015	6	4	1,065
Other Island Generation:	195 MW	Sunday, November 01, 2015	4	5	1,095
Current St. John's Temperature:	-1 °C	Monday, November 02, 2015	5	3	1,210
Current St. John's Windchill:	-6 °C	Tuesday, November 03, 2015	2	3	1,175
7-Day Island Peak Demand Forecast:	1,220 MW	Wednesday, November 04, 2015	3	4	1,170

#### Supply Notes For October 29, 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

Wed, Oct 28, 2015	Actual Island Peak Demand <sup>7</sup>	08:10	1,193 MW
Thu, Oct 29, 2015	Forecast Island Peak Demand		1,220 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).