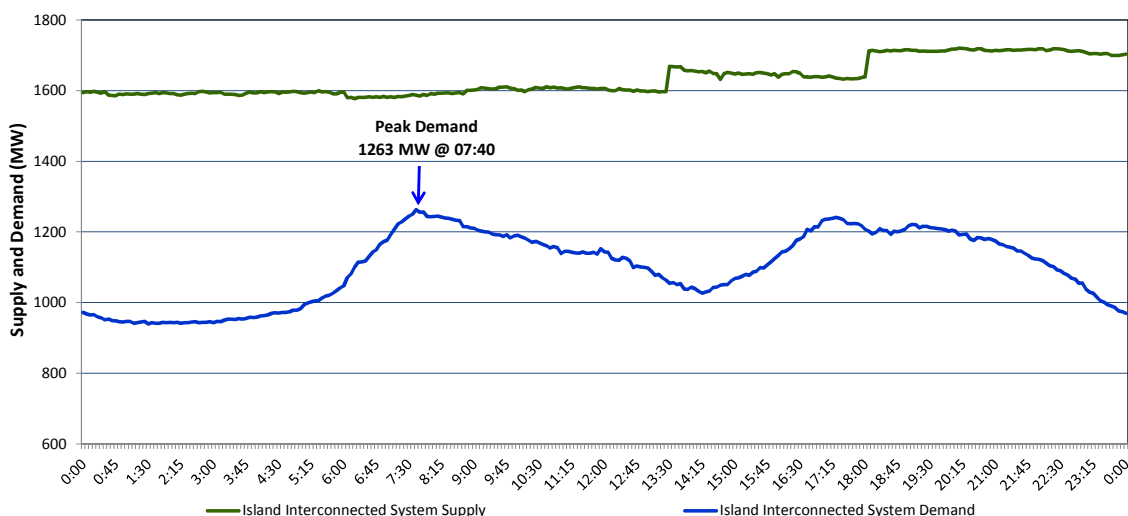


# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Friday, November 13, 2015

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Thursday, November 12, 2015



#### Supply Notes For November 12, 2015

- A** As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).  
**B** As of 1605 hours, September 27, 2015, Bay d'Espoir Unit 4 unavailable (76.5 MW).  
**C** As of 1327 hours, November 04, 2015, Hardwoods Gas Turbine derated to 38MW (50MW). End A 25MW, End B 19MW.  
**D** As of 1200 hours, November 06, 2015, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.  
**E** At 0836 hours, November 12, 2015, St. Anthony Unit 522 unavailable (1 MW).  
**F** At 1321 hours, November 12, 2015, Cat Arm Unit 1 available (67 MW).  
**G** At 1534 hours, November 12, 2015, St. Anthony Unit 522 available (1 MW).  
**H** At 1801 hours, November 12, 2015, Bay d'Espoir Unit 5 available (76.5 MW).

### Section 2 Island Interconnected Supply and Demand

Fri, Nov 13, 2015		Island System Outlook <sup>3</sup>		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)
						Morning	Evening	Forecast
Available Island System Supply: <sup>5</sup>	1,695	MW		Friday, November 13, 2015		1	4	1,225
NLH Generation: <sup>4</sup>	1,435	MW		Saturday, November 14, 2015		6	6	1,135
NLH Power Purchases:	60	MW		Sunday, November 15, 2015		5	4	1,185
Other Island Generation:	200	MW		Monday, November 16, 2015		4	2	1,250
Current St. John's Temperature:	1	°C		Tuesday, November 17, 2015		1	1	1,245
Current St. John's Windchill:	N/A	°C		Wednesday, November 18, 2015		0	0	1,235
7-Day Island Peak Demand Forecast:	1,250	MW		Thursday, November 19, 2015		-1	-3	1,225

#### Supply Notes For November 13, 2015

- 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

Thu, Nov 12, 2015	Actual Island Peak Demand <sup>7</sup>	07:40	1,263 MW
Fri, Nov 13, 2015	Forecast Island Peak Demand		1,225 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).