

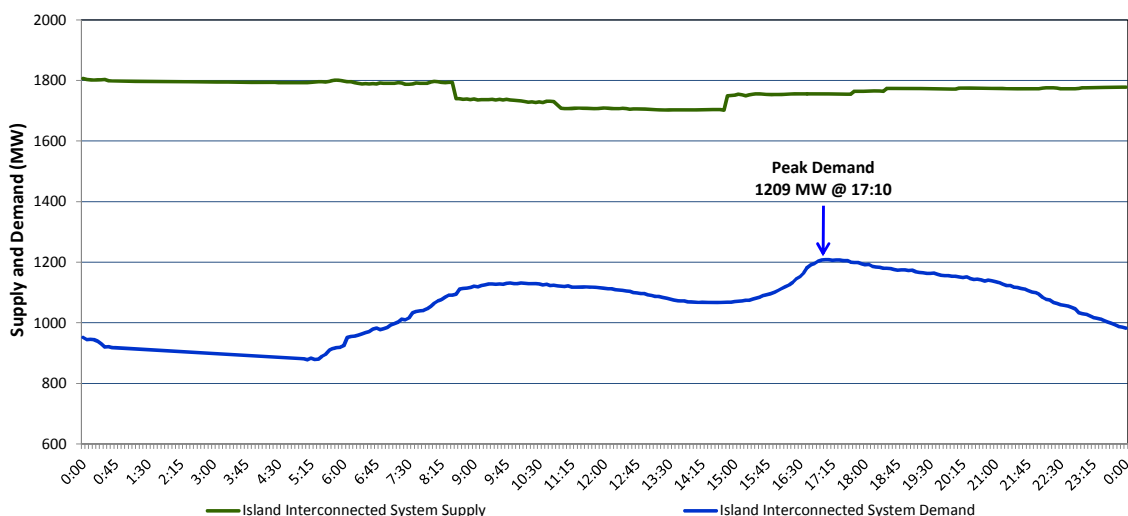
# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Monday, November 23, 2015

### Section 1

#### Island Interconnected System Supply and Demand

#### Actual 24 Hour System Performance For Saturday, November 21, 2015



#### Supply Notes For November 21, 2015

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- A** As of 1327 hours, November 04, 2015, Hardwoods Gas Turbine derated to 38MW (50MW). End A 25MW, End B 19MW.
- B** As of 1200 hours, November 06, 2015, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- C** As of 2226 hours, November 16, 2015, Holyrood Unit 3 unavailable (150 MW).
- D** As of 0718 hours, November 20, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).
- E** At 0834 hours, November 21, 2015, Stephenville Gas Turbine unavailable (50 MW).
- F** At 1055 hours, November 21, 2015, St. Anthony Diesel Plant unavailable (9.7 MW).
- G** At 1447 hours, November 21, 2015, Stephenville Gas Turbine available (50 MW).
- H** At 1745 hours, November 21, 2015, St. Anthony Diesel Plant available (9.7 MW).

### Section 2

#### Island Interconnected Supply and Demand

Sun, Nov 22, 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>	1,795 MW	Sunday, November 22, 2015	-2	2	1,205
NLH Generation: <sup>4</sup>	1,515 MW	Monday, November 23, 2015	5	5	1,160
NLH Power Purchases:	65 MW	Tuesday, November 24, 2015	9	5	1,115
Other Island Generation:	215 MW	Wednesday, November 25, 2015	0	-1	1,285
Current St. John's Temperature:	-1 °C	Thursday, November 26, 2015	-4	0	1,375
Current St. John's Windchill:	-4 °C	Friday, November 27, 2015	4	4	1,165
7-Day Island Peak Demand Forecast:	1,375 MW	Saturday, November 28, 2015	6	11	1,045

#### Supply Notes For November 22, 2015

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- 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

Sat, Nov 21, 2015	Actual Island Peak Demand <sup>7</sup>	17:10	1,209 MW
Sun, Nov 22, 2015	Forecast Island Peak Demand		1,205 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).