

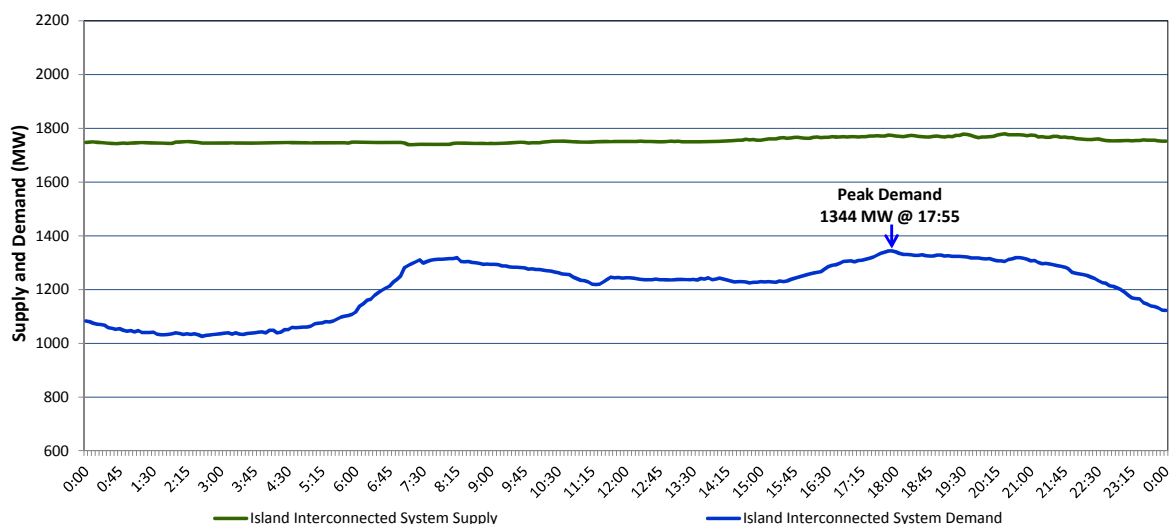
# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Friday, February 12, 2016

### Section 1

#### Island Interconnected System Supply and Demand

#### Actual 24 Hour System Performance For Thursday, February 11, 2016



#### Supply Notes For February 11, 2016

- A** As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B** As of 1116 hours, February 07, 2016, Holyrood Unit 1 derated to 50 MW (170 MW).
- C** As of 0710 hours, February 08, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).
- D** As of 1524 hours, February 08, 2016, Hardwoods Gas Turbine End A unavailable (25 MW).
- E** As of 0625 hours, February 10, 2016, Stephenville Gas Turbine End B unavailable (25 MW).

### Section 2

#### Island Interconnected Supply and Demand

Fri, Feb 12, 2016			Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
Island System Outlook <sup>3</sup>					Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>	1,765	MW	Friday, February 12, 2016		-6	-2	1,440	1,343
NLH Generation: <sup>4</sup>	1,475	MW	Saturday, February 13, 2016		-7	-2	1,450	1,353
NLH Power Purchases: <sup>7</sup>	85	MW	Sunday, February 14, 2016		-4	-7	1,500	1,402
Other Island Generation:	205	MW	Monday, February 15, 2016		-11	-7	1,600	1,501
Current St. John's Temperature:	-6	°C	Tuesday, February 16, 2016		-6	-2	1,470	1,373
Current St. John's Windchill:	-11	°C	Wednesday, February 17, 2016		4	6	1,285	1,190
7-Day Island Peak Demand Forecast:	1,600	MW	Thursday, February 18, 2016		9	8	1,175	1,081

#### Supply Notes For February 12, 2016

- 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 under frequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Under frequency 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).
6. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.
7. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance, and Wind Generation.

### Section 3

#### Island Peak Demand Information

#### Previous Day Actual Peak and Current Day Forecast Peak

Thu, Feb 11, 2016	Actual Island Peak Demand <sup>8</sup>	17:55	1,344 MW
Fri, Feb 12, 2016	Forecast Island Peak Demand		1,440 MW

- Notes: 8. 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).