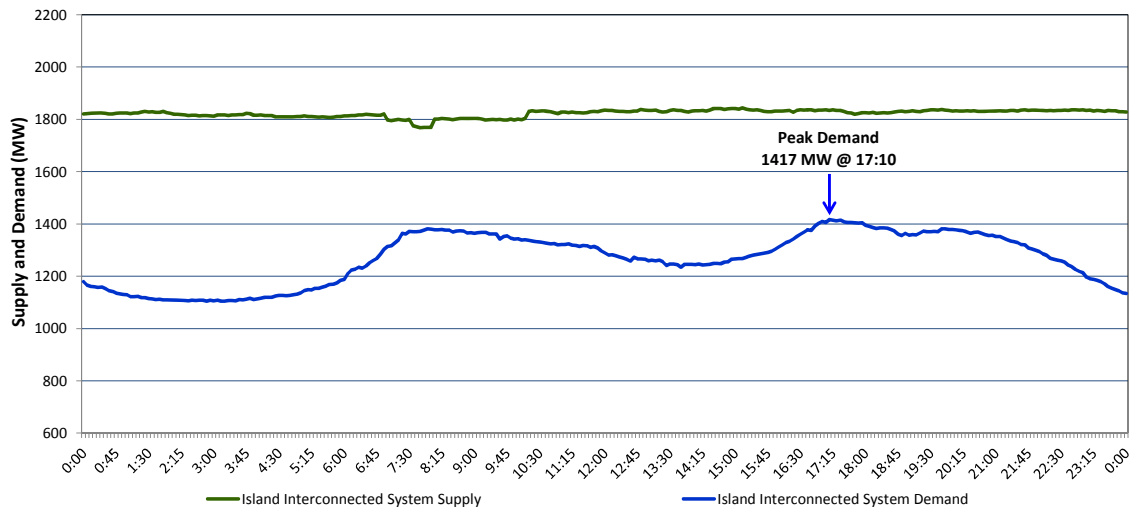


# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Friday, January 08, 2016

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Thursday, January 07, 2016



#### Supply Notes For January 07, 2016

- A** As of 1200 hours, November 06, 2015, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B** As of 1437 hours, December 12, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).
- C** As of 0428 hours, January 06, 2016, Holyrood Unit 2 unavailable (170 MW).
- D** At 0700 hours, January 07, 2016, Hardwoods Gas Turbine End "B" unavailable (25 MW).
- E** At 0732 hours, January 07, 2016, Hardwoods Gas Turbine End "A" unavailable (25 MW).
- F** At 0802 hours, January 07, 2016, Hardwoods Gas Turbine End "A" available (25 MW).
- G** At 1011 hours, January 07, 2016, Hardwoods Gas Turbine End "B" available (25 MW).

### Section 2 Island Interconnected Supply and Demand

Fri, Jan 08, 2016		Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening		
Available Island System Supply: <sup>5</sup>	1,830	MW	Friday, January 08, 2016	-7	-7	1,545	1,447
NLH Generation: <sup>4</sup>	1,510	MW	Saturday, January 09, 2016	-6	-2	1,430	1,333
NLH Power Purchases:	115	MW	Sunday, January 10, 2016	-3	-4	1,435	1,338
Other Island Generation:	205	MW	Monday, January 11, 2016	-3	0	1,415	1,318
Current St. John's Temperature:	-8	°C	Tuesday, January 12, 2016	3	-1	1,375	1,279
Current St. John's Windchill:	-15	°C	Wednesday, January 13, 2016	-3	-3	1,495	1,398
7-Day Island Peak Demand Forecast:	1,545	MW	Thursday, January 14, 2016	-1	0	1,420	1,323

#### Supply Notes For January 08, 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 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).
6. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

### Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

Thu, Jan 07, 2016	Actual Island Peak Demand <sup>7</sup>	17:10	1,417 MW
Fri, Jan 08, 2016	Forecast Island Peak Demand		1,545 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).