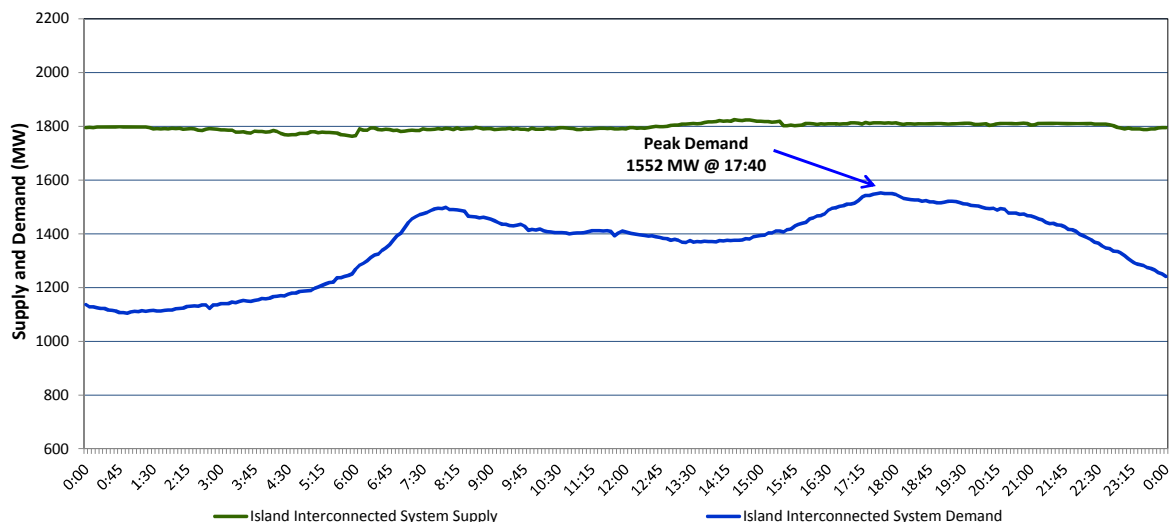


# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Tuesday, February 09, 2016

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, February 08, 2016



#### Supply Notes For February 08, 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. Previously derated to 70 MW (170 MW).
- C** At 0506 hours, February 08, 2016, Hardwoods Gas Turbine End A available (25 MW).
- D** At 0710 hours, February 08, 2016, Holyrood Unit 2 derated to 120 MW. Previously derated to 110 MW (170 MW).
- E** At 1524 hours, February 08, 2016, Hardwoods Gas Turbine End A unavailable (25 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Feb 09, 2016			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening		
Available Island System Supply: <sup>5</sup>	1,815	MW	Tuesday, February 09, 2016	-2	1	1,480	1,383
NLH Generation: <sup>4</sup>	1,500	MW	Wednesday, February 10, 2016	0	-1	1,440	1,343
NLH Power Purchases: <sup>7</sup>	100	MW	Thursday, February 11, 2016	-3	-3	1,350	1,254
Other Island Generation:	215	MW	Friday, February 12, 2016	-5	-4	1,440	1,343
Current St. John's Temperature:	-2	°C	Saturday, February 13, 2016	-8	-4	1,465	1,368
Current St. John's Windchill:	-12	°C	Sunday, February 14, 2016	0	-6	1,510	1,412
7-Day Island Peak Demand Forecast:	1,550	MW	Monday, February 15, 2016	-10	-8	1,550	1,452

#### Supply Notes For February 09, 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

Mon, Feb 08, 2016	Actual Island Peak Demand <sup>8</sup>	17:40	1,552 MW
Tue, Feb 09, 2016	Forecast Island Peak Demand		1,480 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).