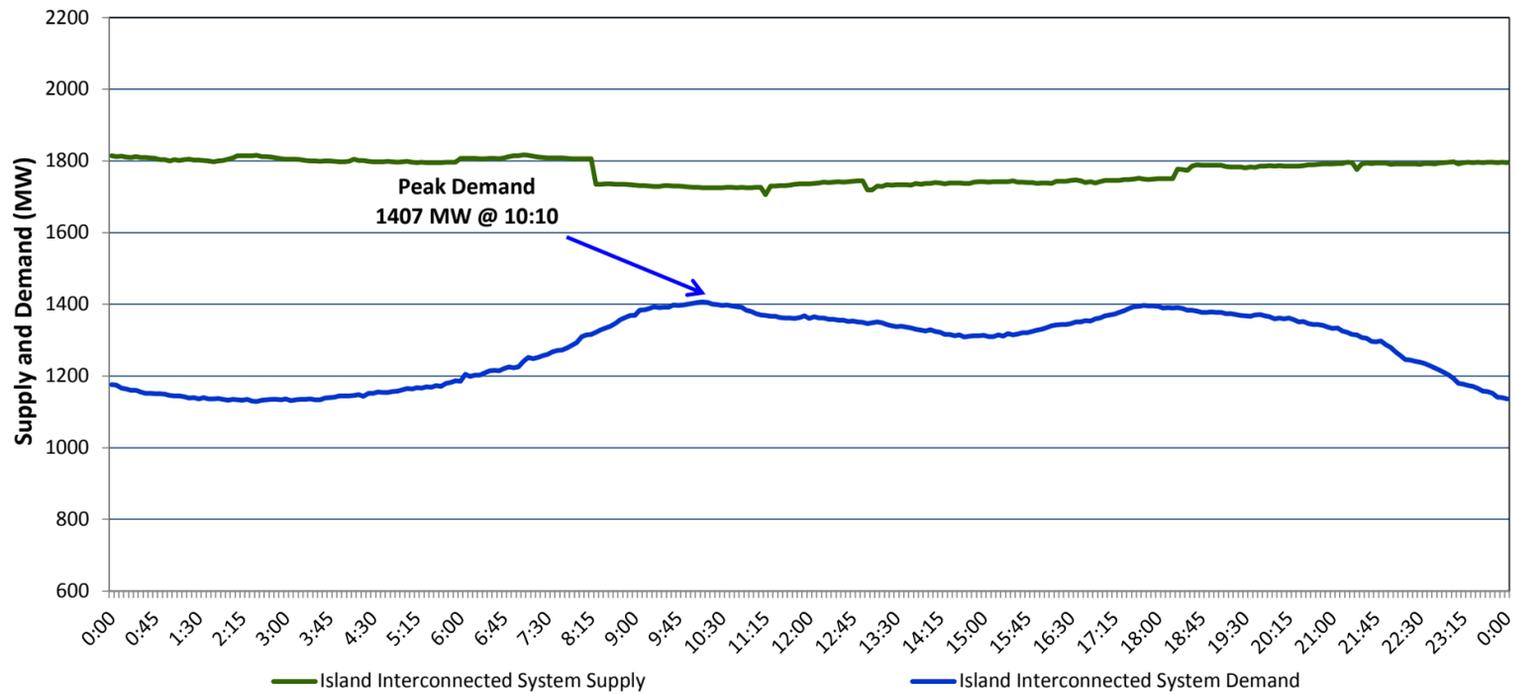


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, February 08, 2016

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



#### Supply Notes For February 07, 2016 <sup>1,2</sup>

- 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 1156 hours, February 06, 2016, Hardwoods Gas Turbine End A unavailable (25 MW).
- C At 0820 hours, February 07, 2016, Holyrood Unit 1 derated to 70 MW. Previously derated to 140 MW (170 MW).
- D At 1116 hours, February 07, 2016, Holyrood Unit 1 derated to 50 MW. Previously derated to 70 MW (170 MW).
- E At 1820 hours, February 07, 2016, Holyrood Unit 2 derated to 110 MW. Previously derated to 80 MW (170 MW).

### Section 2 Island Interconnected Supply and Demand

Mon, Feb 08, 2016	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>	1,815 MW	Monday, February 08, 2016	-7	-6	1,570	1,472
NLH Generation: <sup>4</sup>	1,525 MW	Tuesday, February 09, 2016	-2	-1	1,490	1,393
NLH Power Purchases: <sup>7</sup>	80 MW	Wednesday, February 10, 2016	0	-1	1,325	1,230
Other Island Generation:	210 MW	Thursday, February 11, 2016	-1	-1	1,310	1,215
Current St. John's Temperature:	-7 °C	Friday, February 12, 2016	-4	-4	1,450	1,353
Current St. John's Windchill:	-15 °C	Saturday, February 13, 2016	-7	-4	1,485	1,388
7-Day Island Peak Demand Forecast:	1,570 MW	Sunday, February 14, 2016	-5	-8	1,525	1,427

#### Supply Notes For February 08, 2016 <sup>3</sup>

- F At 0506 hours, February 08, 2016, Hardwoods Gas Turbine End A available (25 MW).
- G At 0710 hours, February 08, 2016, Holyrood Unit 2 derated to 120 MW. Previously derated to 110 MW (170 MW).

- 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

Sun, Feb 07, 2016	Actual Island Peak Demand <sup>8</sup>	10:10	1,407 MW
Mon, Feb 08, 2016	Forecast Island Peak Demand		1,570 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).