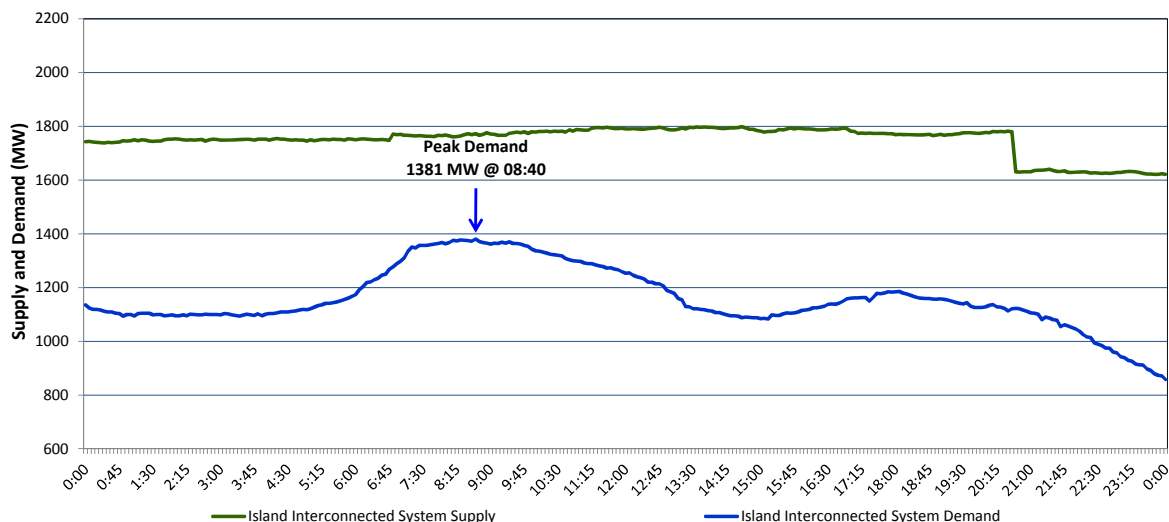


# Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, February 26, 2016

## Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Thursday, February 25, 2016



### Supply Notes For February 25, 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 0710 hours, February 08, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).
- C** As of 0938 hours, February 14, 2015, Hardwoods Gas Turbine derated to 38MW (50MW). End A 19 MW, End B 25 MW.
- D** As of 2154 hours, February 16, 2016, Holyrood Unit 1 unavailable. Previously derated to 50 MW (170 MW).
- E** At 2037 hours, February 25, 2016, Holyrood Unit 3 unavailable (150 MW).

## Section 2 Island Interconnected Supply and Demand

Fri, Feb 26, 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>	1,780	MW	Friday, February 26, 2016		10	5	1,165	1,071
NLH Generation: <sup>4</sup>	1,460	MW	Saturday, February 27, 2016		1	-4	1,295	1,200
NLH Power Purchases: <sup>7</sup>	135	MW	Sunday, February 28, 2016		-4	0	1,345	1,249
Other Island Generation:	185	MW	Monday, February 29, 2016		-5	-1	1,445	1,348
Current St. John's Temperature:	12	°C	Tuesday, March 01, 2016		3	-2	1,340	1,244
Current St. John's Windchill:	N/A	°C	Wednesday, March 02, 2016		-4	-1	1,375	1,279
7-Day Island Peak Demand Forecast:	1,445	MW	Thursday, March 03, 2016		2	3	1,250	1,155

### Supply Notes For February 26, 2016

- F** At 0055 hours, February 26, 2016, Holyrood Unit 3 available (150 MW).

- Notes:
- 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.
  - 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all island sources (including Note 4).
  - Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.
  - 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 25, 2016	Actual Island Peak Demand <sup>8</sup>	08:40	1,381 MW
Fri, Feb 26, 2016	Forecast Island Peak Demand		1,165 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).