

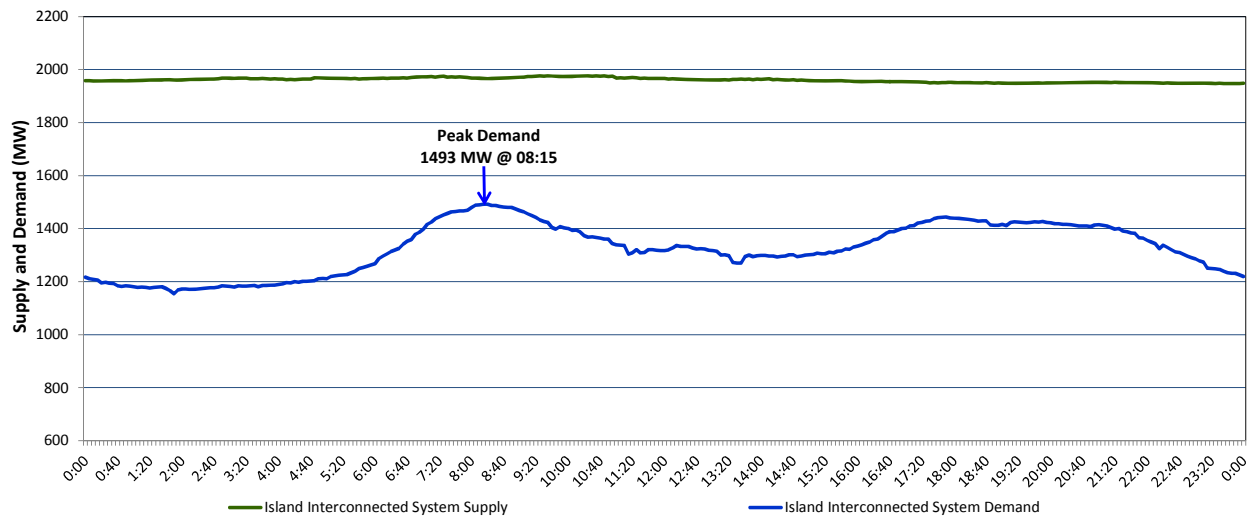
# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Friday, February 03, 2017

### Section 1

#### Island Interconnected System Supply and Demand

#### Actual 24 Hour System Performance For Thursday, February 02, 2017



#### Supply Notes For February 02, 2017

- A** As of 1556 hours, January 20, 2017, Holyrood Unit 2 available at 150 MW (170 MW).  
**B** As of 1047 hours, January 24, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).  
**C** As of 2107 hours, January 27, 2017, Holyrood Unit 1 available at 160 MW (170 MW).

### Section 2

#### Island Interconnected Supply and Demand

Fri, Feb 03, 2017			Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
Island System Outlook <sup>3</sup>					Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,975	MW	Friday, February 03, 2017		-7	-5	1,520	1,411
NLH Generation: <sup>4</sup>	1,640	MW	Saturday, February 04, 2017		-10	-9	1,585	1,475
NLH Power Purchases: <sup>6</sup>	130	MW	Sunday, February 05, 2017		-13	-9	1,635	1,525
Other Island Generation:	205	MW	Monday, February 06, 2017		-7	-5	1,565	1,456
Current St. John's Temperature:	-8	°C	Tuesday, February 07, 2017		-5	-10	1,655	1,545
Current St. John's Windchill:	-14	°C	Wednesday, February 08, 2017		-9	-3	1,580	1,471
7-Day Island Peak Demand Forecast:	1,655	MW	Thursday, February 09, 2017		7	1	1,350	1,243

#### Supply Notes For February 03, 2017

- 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. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.
  7. Adjusted for CBP&P, Praxair and Vale interruptible load as well as the impact of voltage reduction, when applicable.

### Section 3

#### Island Peak Demand Information

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

Thu, Feb 02, 2017	Actual Island Peak Demand <sup>8</sup>	08:15	1,493 MW
Fri, Feb 03, 2017	Forecast Island Peak Demand		1,520 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).