

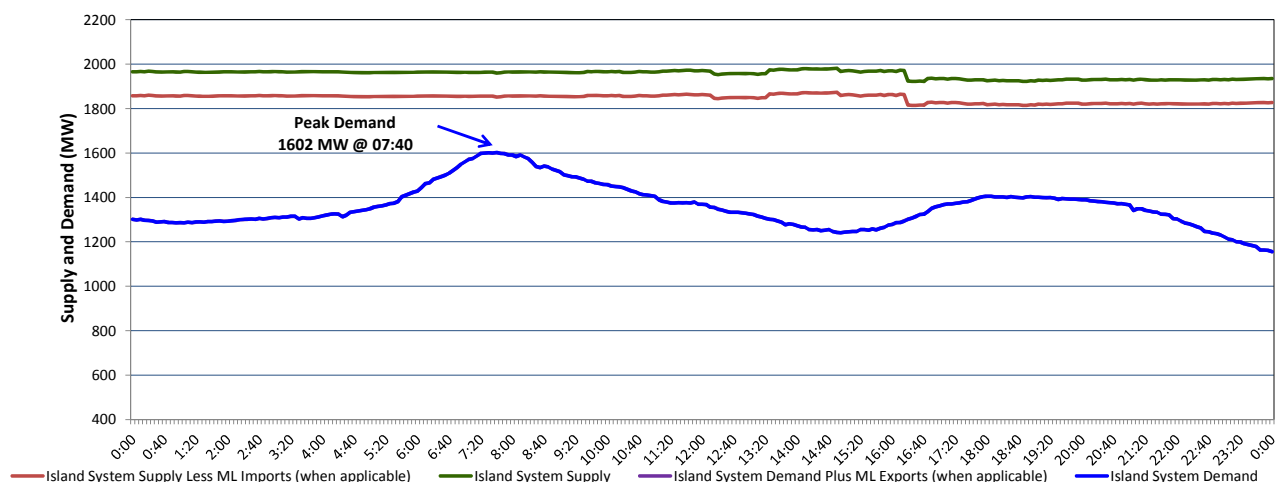
# Newfoundland Labrador Hydro (NLH)

## Supply and Demand Status Report Filed Tuesday, February 27, 2018

### Section 1

#### Island Interconnected System Supply, Demand & Exports

#### Actual 24 Hour System Performance For Monday, February 26, 2018



#### Supply Notes For February 26, 2018

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- A As of 2115 hours, January 04, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).  
 B As of 0835 hours, February 25, 2018, Holyrood Unit 3 available at 105 MW (150 MW).  
 C As of 1737 hours, February 25, 2018, Holyrood Unit 1 available at 140 MW (170 MW).  
 D At 0833 hours, February 26, 2018, Holyrood Unit 2 available at 100 MW (170 MW).  
 E At 1616 hours, February 26, 2018, Hardwoods Gas Turbine unavailable (50 MW).

### Section 2

#### Island Interconnected Supply and Demand

Tue, Feb 27, 2018			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening		
Island System Outlook <sup>3</sup>						Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	2,043	MW	Tuesday, February 27, 2018	-2	-1	1,445	1,337
NLH Generation: <sup>4</sup>	1,475	MW	Wednesday, February 28, 2018	-1	-1	1,370	1,263
NLH Power Purchases: <sup>6</sup>	255	MW	Thursday, March 01, 2018	-1	1	1,365	1,243
Maritime Link Imports:	108	MW	Friday, March 02, 2018	1	0	1,315	1,209
Other Island Generation:	205	MW	Saturday, March 03, 2018	0	0	1,340	1,233
Current St. John's Temperature & Windchill:	-3	-11 °C	Sunday, March 04, 2018	-1	-1	1,375	1,268
7-Day Island Peak Demand Forecast:	1,445	MW	Monday, March 05, 2018	0	0	1,340	1,233

#### Supply Notes For February 27, 2018

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- 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 System having no synchronous connections to 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, Wind Generation, Vale capacity assistance (when applicable).
  7. Adjusted for CBPP&P, Vale and Praxair interruptible load, Maritime Link Exports and the impact of voltage reduction (when applicable).

### Section 3

#### Island Peak Demand Information

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

Mon, Feb 26, 2018	Actual Island Peak Demand <sup>8</sup>	07:40	1,602 MW
Tue, Feb 27, 2018	Forecast Island Peak Demand		1,445 MW

- Notes: 8. Island Demand / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).