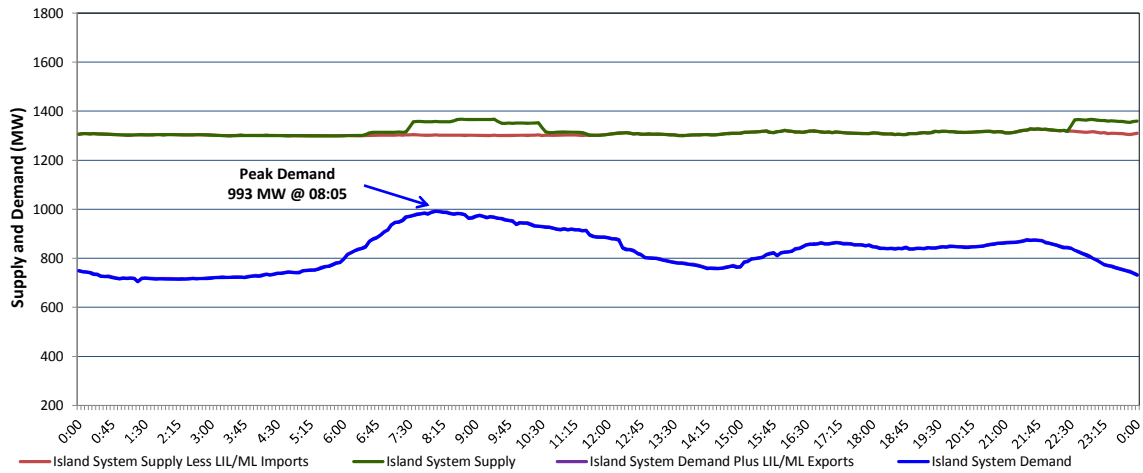


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, June 13, 2018

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, June 12, 2018



#### Supply Notes For June 12, 2018

- A As of 0801 hours, April 02, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
- B As of 1800 hours, April 29, 2018, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- C As of 0623 hours, May 08, 2018, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- D As of 0801 hours, May 15, 2018, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- E As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).
- F As of 1357 hours, June 01, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- G As of 2143 hours, June 04, 2018, Holyrood Unit 1 available at 100 MW (170 MW).
- H As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- I As of 0945 hours, June 11, 2018, Hardwoods Gas Turbine unavailable due to a planned outage 25 MW (50 MW).

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### Section 2 Island Interconnected Supply and Demand

Wed, Jun 13, 2018			Island System Outlook <sup>3</sup>		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
							Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>			1,345	MW	Wednesday, June 13, 2018		9	8	970	970
NLH Generation: <sup>4</sup>			995	MW	Thursday, June 14, 2018		4	3	995	995
NLH Power Purchases: <sup>6</sup>			145	MW	Friday, June 15, 2018		4	4	960	960
ML/LIL Imports:			-	MW	Saturday, June 16, 2018		5	5	900	900
Other Island Generation:			205	MW	Sunday, June 17, 2018		6	5	865	865
Current St. John's Temperature & Windchill:			6°C	N/A	°C	Monday, June 18, 2018	8	11	840	840
7-Day Island Peak Demand Forecast:			995	MW	Tuesday, June 19, 2018		12	9	790	790

#### Supply Notes For June 13, 2018

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- 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 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.
  - 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).
  - NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation, Vale capacity assistance (when applicable).
  - Adjusted for CBPP, Vale and Praxair interruptible load, Maritime Link and Labrador-Island 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

Tue, Jun 12, 2018	Actual Island Peak Demand <sup>8</sup>	8:05	993 MW
Wed, Jun 13, 2018	Forecast Island Peak Demand		970 MW

Notes: 8. Island Demand / LIL / 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).