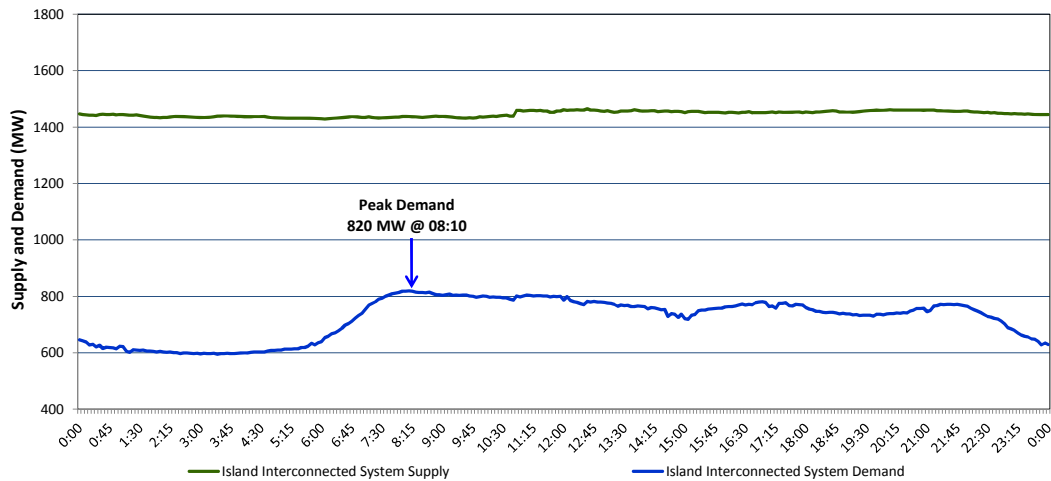


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, May 25, 2016

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, May 24, 2016



#### Supply Notes For May 24, 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 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.
- C As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
- D As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
- E As of 2209 hours, April 30, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
- F As of 1200 hours, May 07, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).
- G As of 0937 hours, May 10, 2016, Bay d'Espoir Unit 6 unavailable (76.5 MW).
- H As of 0724 hours, May 16 2016, Nalcor Exploits Grand Falls Unit 4 (30 MW) unavailable. Net impact to the Island Interconnected System is 7 MW.
- I As of 1642 hours, May 21, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- J As of 1642 hours, May 21, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- K **At 1000 hours, May 24, 2016, St. Anthony Diesel Unit 522 unavailable (1 MW).**

### Section 2 Island Interconnected Supply and Demand

Wed, May 25, 2016      Island System Outlook <sup>3</sup>			Temperature (°C)		Island System Daily Peak Demand (MW)
Seven-Day Forecast			Morning	Evening	Forecast
Available Island System Supply: <sup>5</sup>	1,490	MW	16	16	820
NLH Generation: <sup>4</sup>	1,175	MW	9	2	1,015
NLH Power Purchases: <sup>6</sup>	105	MW	3	2	1,055
Other Island Generation:	210	MW	4	5	965
Current St. John's Temperature:	19	°C	4	3	1,065
Current St. John's Windchill:	N/A	°C	4	6	1,025
7-Day Island Peak Demand Forecast:	1,065	MW	6	5	945

#### Supply Notes For May 25, 2016

- 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.

### Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

Tue, May 24, 2016	Actual Island Peak Demand <sup>8</sup>	08:10	820 MW
Wed, May 25, 2016	Forecast Island Peak Demand		820 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).