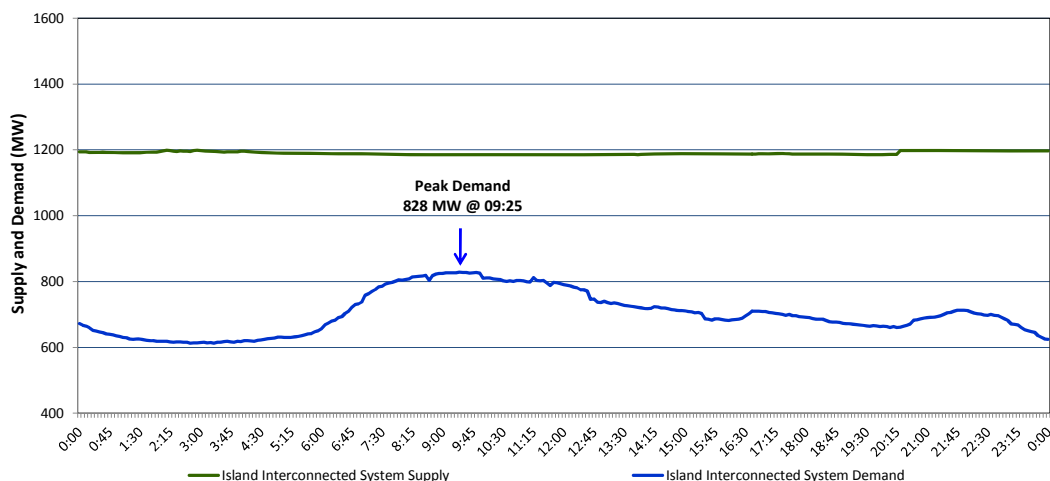


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, July 12, 2016

Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Friday, July 08, 2016



Supply Notes For July 08, 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 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
- C** As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
- D** As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).
- E** As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).
- F** As of 2008 hours, June 06, 2016, Stephenville Gas Turbine End B unavailable (25 MW).
- G** As of 1411 hours, June 09, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.
- H** As of 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).
- I** As of 0833 hours, June 30, 2016, Bay d'Espoir Unit 7 unavailable (154.4 MW).
- J** As of 1000 hours, June 30, 2016, Nalcor Exploits Grand Falls Unit 4 (30 MW) unavailable. Net impact to the Island Interconnected System is 7 MW.
- K** As of 0957 hours, July 06, 2016, Holyrood Unit 1 derated to 95 MW (170 MW). Previously derated to 120 MW.

Section 2 Island Interconnected Supply and Demand

Sat, Jul 09, 2016	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: ⁵	1,210 MW	Saturday, July 09, 2016	11	8	765
NLH Generation: ⁴	930 MW	Sunday, July 10, 2016	8	9	810
NLH Power Purchases: ⁶	100 MW	Monday, July 11, 2016	11	11	850
Other Island Generation:	180 MW	Tuesday, July 12, 2016	12	11	810
Current St. John's Temperature:	8 °C	Wednesday, July 13, 2016	10	11	790
Current St. John's Windchill:	N/A °C	Thursday, July 14, 2016	13	17	765
7-Day Island Peak Demand Forecast:	850 MW	Friday, July 15, 2016	18	20	770

Supply Notes For July 09, 2016

- 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).
 - 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

Fri, Jul 08, 2016	Actual Island Peak Demand ⁸	09:25	828 MW
Sat, Jul 09, 2016	Forecast Island Peak Demand		765 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).