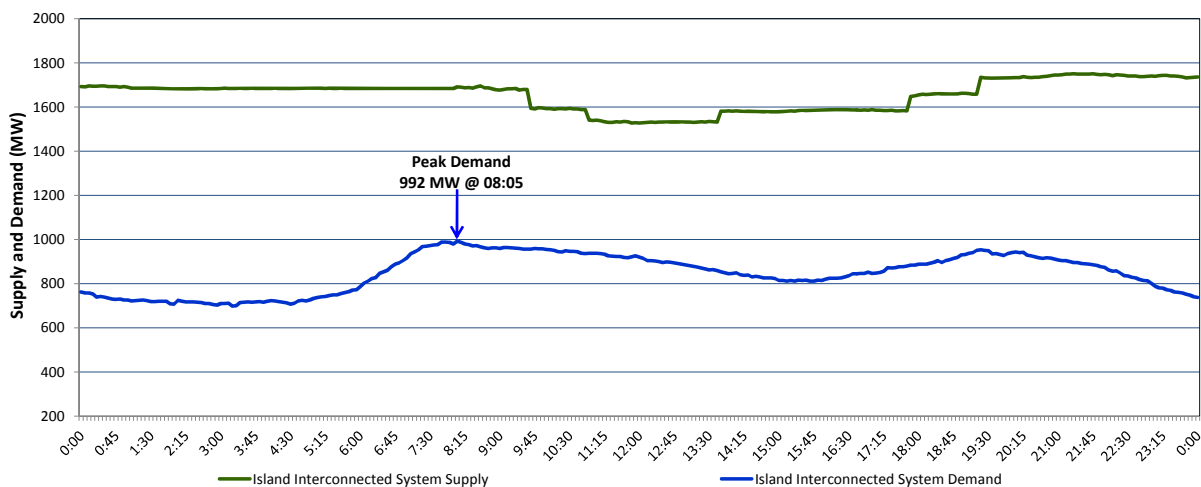


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, October 20, 2017

Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Thursday, October 19, 2017



Supply Notes For October 19, 2017 ^{1,2}

- A As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
- B As of 1229 hours, September 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- C As of 0805 hours, October 18, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
- D At 0937 hours, October 19, 2017, Upper Salmon Unit unavailable due to planned outage (84 MW).
- E At 1045 hours, October 19, 2017, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- F At 1345 hours, October 19, 2017, Hardwoods Gas Turbine available (50 MW).
- G At 1748 hours, October 19, 2017, Cat Arm Unit 2 available (67 MW).
- H At 1919 hours, October 19, 2017, Bay d'Espoir Unit 3 available (76.5 MW).

Section 2 Island Interconnected System Supply and Demand

Fri, Oct 20, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,750 MW	Friday, October 20, 2017	10	12	940
NLH Generation: ⁴	1,410 MW	Saturday, October 21, 2017	6	4	1,065
NLH Power Purchases: ⁶	145 MW	Sunday, October 22, 2017	2	2	1,175
Other Island Generation:	195 MW	Monday, October 23, 2017	3	3	1,145
Current St. John's Temperature:	8 °C	Tuesday, October 24, 2017	4	10	1,045
Current St. John's Windchill:	N/A °C	Wednesday, October 25, 2017	12	12	910
7-Day Island Peak Demand Forecast:	1,175 MW	Thursday, October 26, 2017	14	13	825

Supply Notes For October 20, 2017 ³

- 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

Thu, Oct 19, 2017	Actual Island Peak Demand ⁸	08:05	992 MW
Fri, Oct 20, 2017	Forecast Island Peak Demand		940 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).