

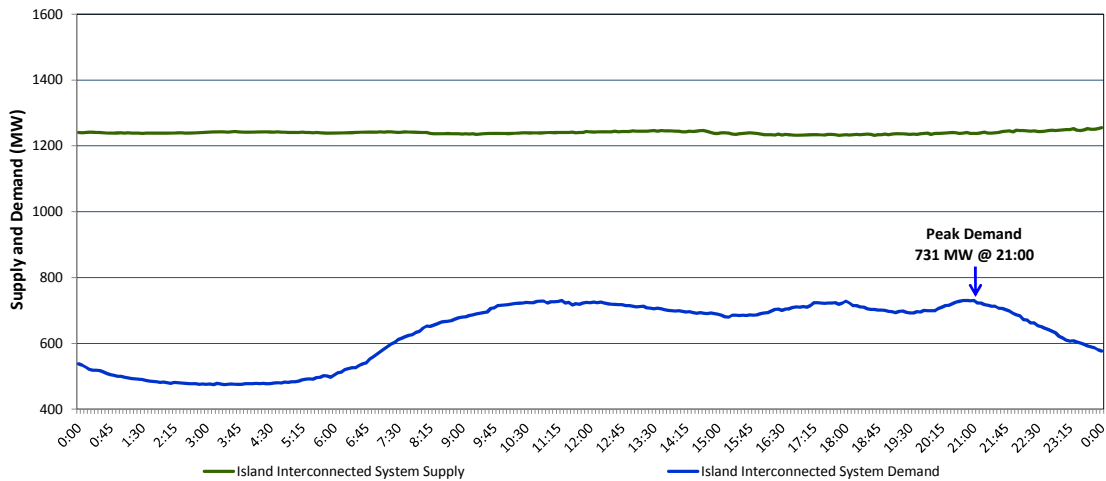
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Tuesday, August 23, 2016

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Monday, August 22, 2016



Supply Notes For August 22, 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 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).
- D** As of 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).
- E** As of 0833 hours, June 30, 2016, Bay d'Espoir Unit 7 unavailable (154.4 MW).
- F** As of 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.
- G** As of 1610 hours, July 16, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
- H** As of 1125 hours, July 18, 2016, Hardwoods Turbine unavailable. Previously derated to 38 MW (50 MW).
- I** As of 1436 hours, August 14, 2016, Granite Canal Unit unavailable (40 MW).
- J** As of 1811 hours, August 17, 2016, Holyrood Unit 3 was removed from service for economic dispatch. Unit previously derated to 135 MW (150 MW).
- K** At 1451 hours, August 22, 2016, Nalcor Exploits Bishop's Falls plant unavailable. Net impact to the Island Interconnected System is 15 MW.

Section 2

Island Interconnected Supply and Demand

Tue, Aug 23, 2016		Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
				Morning	Evening	
Available Island System Supply: ⁵	1,250	MW	Tuesday, August 23, 2016	18	17	760
NLH Generation: ⁴	975	MW	Wednesday, August 24, 2016	17	18	770
NLH Power Purchases: ⁶	105	MW	Thursday, August 25, 2016	17	21	785
Other Island Generation:	170	MW	Friday, August 26, 2016	20	20	785
Current St. John's Temperature:	17	°C	Saturday, August 27, 2016	18	17	770
Current St. John's Windchill:	N/A	°C	Sunday, August 28, 2016	16	15	760
7-Day Island Peak Demand Forecast:	785	MW	Monday, August 29, 2016	14	14	785

Supply Notes For August 23, 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

Mon, Aug 22, 2016	Actual Island Peak Demand ⁸	21:00	731 MW
Tue, Aug 23, 2016	Forecast Island Peak Demand		760 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).