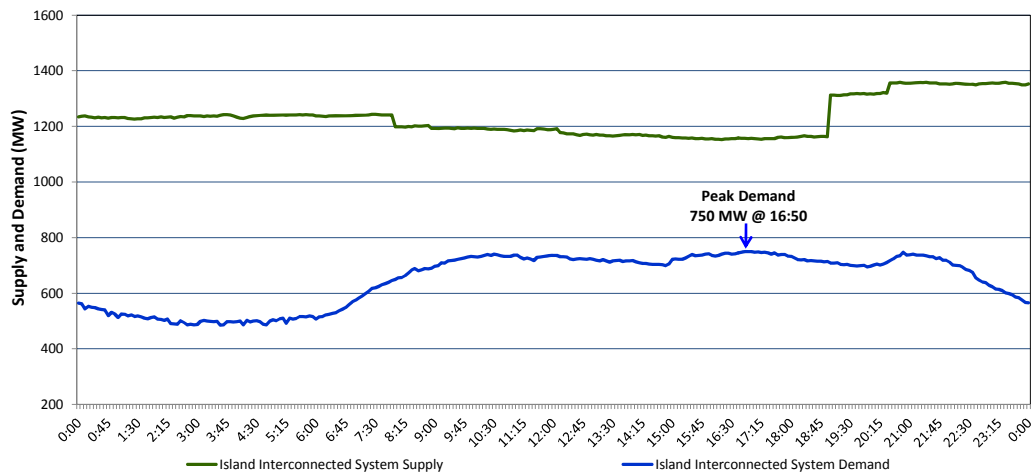


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, August 19, 2015

Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, August 18, 2015



Supply Notes For August 18, 2015

- ^{1,2}
- A As of 1440 hours, June 06, 2015, Holyrood Unit 2 removed from service for annual maintenance (170 MW).
 - B As of 1450 hours, June 24, 2015, Hawke's Bay Unit 548 (G2) unavailable (2.5 MW).
 - C As of 1225 hours, July 30, 2015, Stephenville Gas Turbine derated to 30 MW (50 MW). End A 25 MW, End B 15 MW.
 - D As of 1602 hours, July 31, 2015, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 20 MW, End B 19 MW.
 - E As of 0949 hours, August 01, 2015, Holyrood Unit 1 removed from service for annual maintenance (170 MW).
 - F As of 0816 hours, August 07, 2015, Nalcor Grand Falls Unit 9 unavailable (30 MW). Net loss to the system is 4 MW.
 - G As of 1447 hours, August 14, 2015, Bay d'Espoir Unit 1 derated to 45 MW (76.5 MW).
 - H As of 0912 hours, August 16, 2015, Bay d'Espoir Unit 7 removed from service for annual maintenance (154.4 MW).
 - I At 0757 hours, August 18, 2015, Granite Canal Unit unavailable (40 MW).
 - J At 1218 hours, August 18, 2015, Nalcor Grand Falls Unit 4 unavailable (30 MW).
 - K At 1855 hours, August 18, 2015, Holyrood Unit 3 returned to service (150 MW).
 - L At 2028 hours, August 18, 2015, Granite Canal Unit available (40MW).

Section 2 Island Interconnected Supply and Demand

Wed, Aug 19, 2015 Island System Outlook ³		Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,355 MW	Wednesday, August 19, 2015	14	12	765
NLH Generation: ⁴	1,090 MW	Thursday, August 20, 2015	14	14	765
NLH Power Purchases:	60 MW	Friday, August 21, 2015	18	20	775
Other Island Generation:	205 MW	Saturday, August 22, 2015	19	20	750
Current St. John's Temperature:	13 °C	Sunday, August 23, 2015	20	20	735
Current St. John's Windchill:	N/A °C	Monday, August 24, 2015	18	17	780
7-Day Island Peak Demand Forecast:	780 MW	Tuesday, August 25, 2015	17	14	775

Supply Notes For August 19, 2015

- ³
- M At 0119 hours, August 19, 2015, Granite Canal Unit unavailable (40 MW).

- 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 underfrequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Underfrequency 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).

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

Tue, Aug 18, 2015	Actual Island Peak Demand ⁷	16:50	750 MW
Wed, Aug 19, 2015	Forecast Island Peak Demand		765 MW

- Notes: 7. 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).