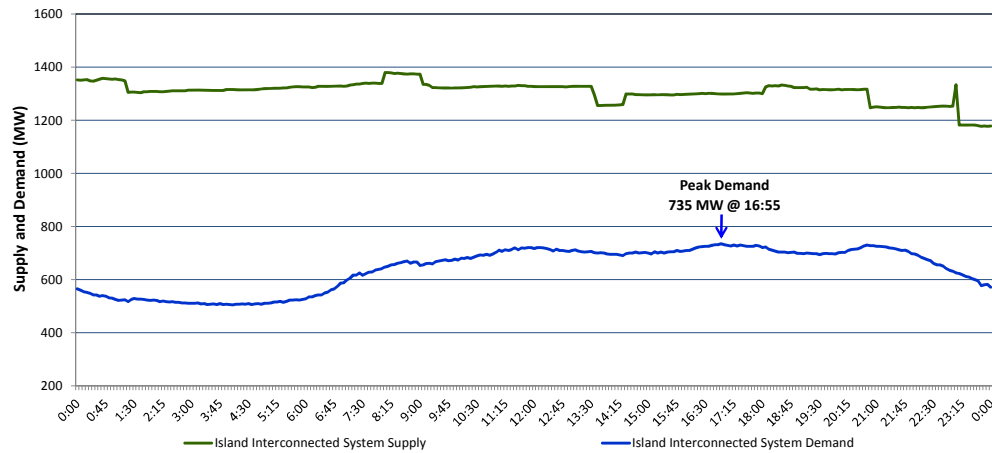


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, August 20, 2015**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Wednesday, August 19, 2015**



**Supply Notes For August 19, 2015**

- 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 0119 hours, August 19, 2015, Granite Canal Unit unavailable (40 MW).
- J At 0801 hours, August 19, 2015, Granite Canal Unit available (40 MW).
- K At 0903 hours, August 19, 2015, Granite Canal Unit unavailable (40 MW).
- L At 1330 hours, August 19, 2015, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- M At 1410 hours, August 19, 2015, Granite Canal Unit available (40 MW).
- N At 1804 hours, August 19, 2015, Nalcor Grand Falls Unit 4 available (30 MW).
- O At 2048 hours, August 19, 2015, Hinds Lake Unit unavailable (75 MW).
- P At 2302 hours, August 19, 2015, Hinds Lake Unit available (75 MW).
- Q At 2308 hours, August 19, 2015, Holyrood Unit 3 unavailable (150 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, Aug 20, 2015	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,325 MW	Thursday, August 20, 2015	13	14	775
NLH Generation: <sup>4</sup>	1,055 MW	Friday, August 21, 2015	17	20	770
NLH Power Purchases:	80 MW	Saturday, August 22, 2015	20	21	750
Other Island Generation:	190 MW	Sunday, August 23, 2015	20	20	735
Current St. John's Temperature:	13 °C	Monday, August 24, 2015	18	14	770
Current St. John's Windchill:	N/A °C	Tuesday, August 25, 2015	11	13	795
7-Day Island Peak Demand Forecast:	795 MW	Wednesday, August 26, 2015	14	15	780

**Supply Notes For August 20, 2015**

- R At 0033 hours, August 20, 2015, Holyrood Unit 3 available (150 MW).

- 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 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.
  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).

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

Wed, Aug 19, 2015	Actual Island Peak Demand <sup>7</sup>	16:55	735 MW
Thu, Aug 20, 2015	Forecast Island Peak Demand		775 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).