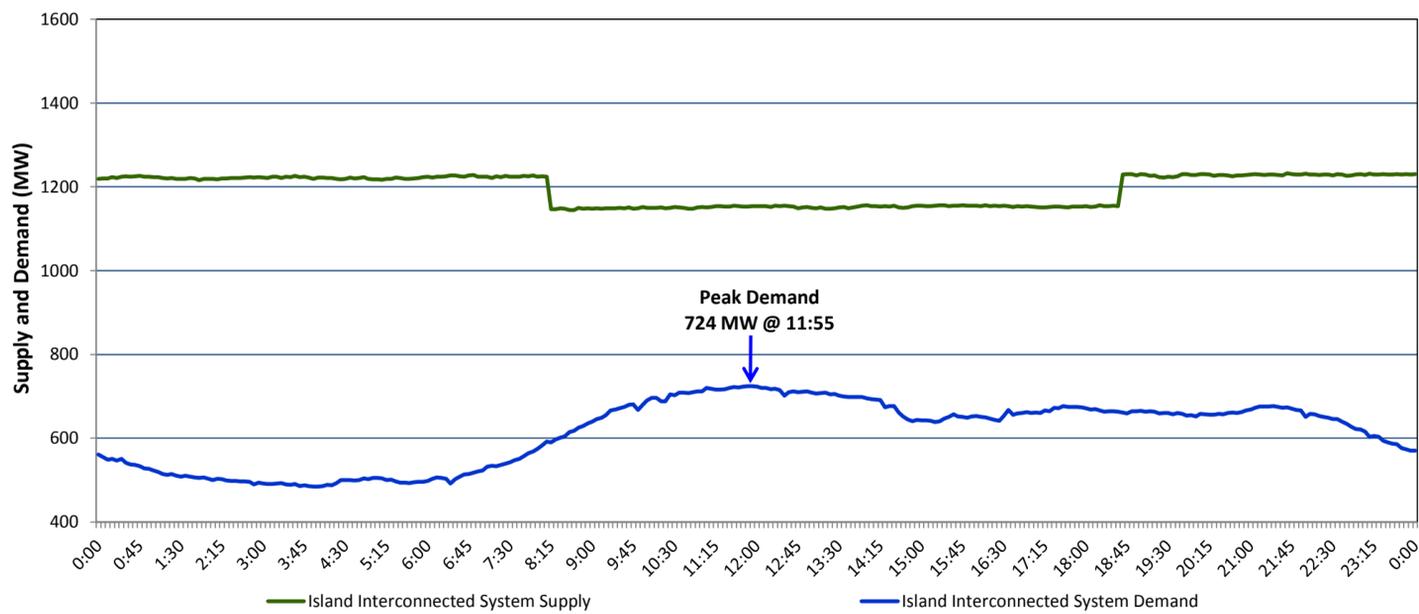


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, July 25, 2016**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Saturday, July 23, 2016**



Supply Notes For July 23, 2016

- 1,2
- 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 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).
 - H As of 0833 hours, June 30, 2016, Bay d'Espoir Unit 7 unavailable (154.4 MW).
 - I As of 0846 hours, July 12, 2016, St. Anthony Diesel Plant G6 (unit 544) unavailable (2 MW).
 - J As of 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.
 - K As of 1610 hours, July 16, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
 - L As of 1125 hours, July 18, 2016, Hardwoods Turbine unavailable. Previously derated to 38 MW (50 MW).
 - M **At 0812 hours, July 23, 2016, Bay d'Espoir Unit 6 unavailable (76.5 MW).**
 - N **At 1835 hours, July 23, 2016, Bay d'Espoir Unit 6 available (76.5 MW).**

**Section 2
Island Interconnected Supply and Demand**

Sun, Jul 24, 2016	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: ⁵	1,225 MW	Sunday, July 24, 2016	19	19	735
NLH Generation: ⁴	915 MW	Monday, July 25, 2016	17	15	755
NLH Power Purchases: ⁶	140 MW	Tuesday, July 26, 2016	17	17	760
Other Island Generation:	170 MW	Wednesday, July 27, 2016	15	16	775
Current St. John's Temperature:	19 °C	Thursday, July 28, 2016	17	19	760
Current St. John's Windchill:	N/A °C	Friday, July 29, 2016	17	17	765
7-Day Island Peak Demand Forecast:	775 MW	Saturday, July 30, 2016	18	16	735

Supply Notes For July 24, 2016

- 3
- O **At 0445 hours, July 24, 2016, Granite Canal Unit unavailable (40 MW).**
 - P **At 0453 hours, July 24, 2016, Upper Salmon Unit unavailable (84 MW).**
 - Q **At 0501 hours, July 24, 2016, Upper Salmon Unit available (84 MW).**
 - R **At 0508 hours, July 24, 2016, Granite Canal Unit available (40 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 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**

Sat, Jul 23, 2016	Actual Island Peak Demand ⁸	11:55	724 MW
Sun, Jul 24, 2016	Forecast Island Peak Demand		735 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).