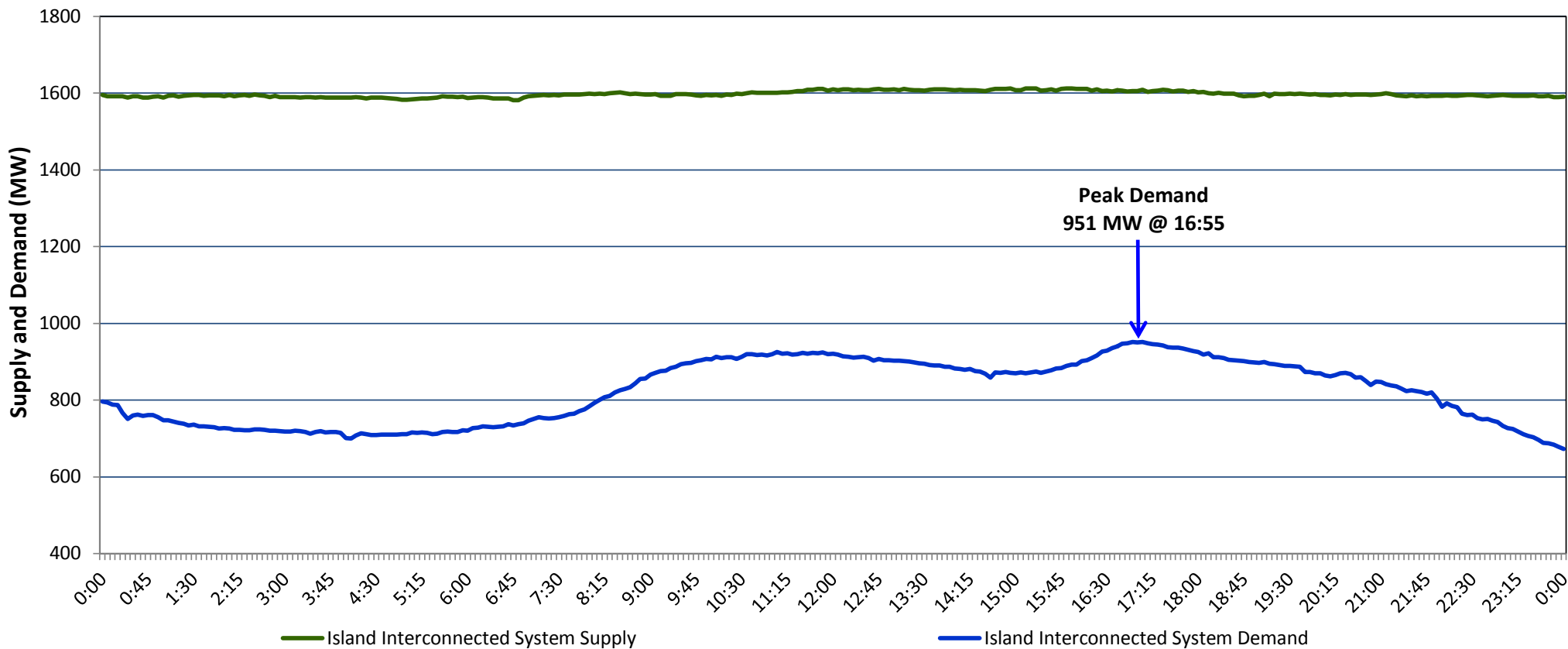


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, November 21, 2016

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Sunday, November 20, 2016



Supply Notes For November 20, 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 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.
- D

As of 1719 hours, September 09, 2016, Nalcor Exploits Bishop's Falls plant unit 9 unavailable. No net impact to the Island Interconnected System.
- E

As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- F

As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- G

As of 2132 hours, October 10, 2016, Nalcor Exploits Bishop's Falls plant units 4,5,6 and 8 unavailable. Net impact to the Island Interconnected System is 9 MW.
- H

As of 1007 hours, November 04, 2016, Nalcor Exploits Bishop's Falls plant unit 2 unavailable. Net impact to the Island Interconnected System is 2 MW.
- I

As of 1245 hours, November 13, 2016, Star Lake Unit unavailable (18 MW).
- J

As of 1850 hours, November 16, 2016, Holyrood Unit 2 unavailable (170 MW).
- K

As of 0842 hours, November 19, 2016, Hardwoods Gas Turbine End A unavailable. Previously derated to to 19 MW (25 MW).

Section 2
Island Interconnected Supply and Demand

Mon, Nov 21, 2016 Island System Outlook ³			Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
					Morning	Evening		
							Forecast	Adjusted ⁷
Available Island System Supply: ⁵		1,585 MW	Monday, November 21, 2016		13	15	985	973
NLH Generation: ⁴		1,320 MW	Tuesday, November 22, 2016		10	12	995	983
NLH Power Purchases: ⁶		65 MW	Wednesday, November 23, 2016		7	5	1,180	1,166
Other Island Generation:		200 MW	Thursday, November 24, 2016		9	1	1,320	1,305
Current St. John's Temperature:		12 °C	Friday, November 25, 2016		9	11	1,295	1,280
Current St. John's Windchill:		N/A °C	Saturday, November 26, 2016		10	10	1,220	1,206
7-Day Island Peak Demand Forecast:		1,335 MW	Sunday, November 27, 2016		4	5	1,335	1,319

Supply Notes For November 21, 2016

- 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.
7.

Adjusted for CBP&P interruptible load and the impact of voltage reduction, when applicable.

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

Sun, Nov 20, 2016	Actual Island Peak Demand ⁸	16:55	951 MW
Mon, Nov 21, 2016	Forecast Island Peak Demand		985 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).