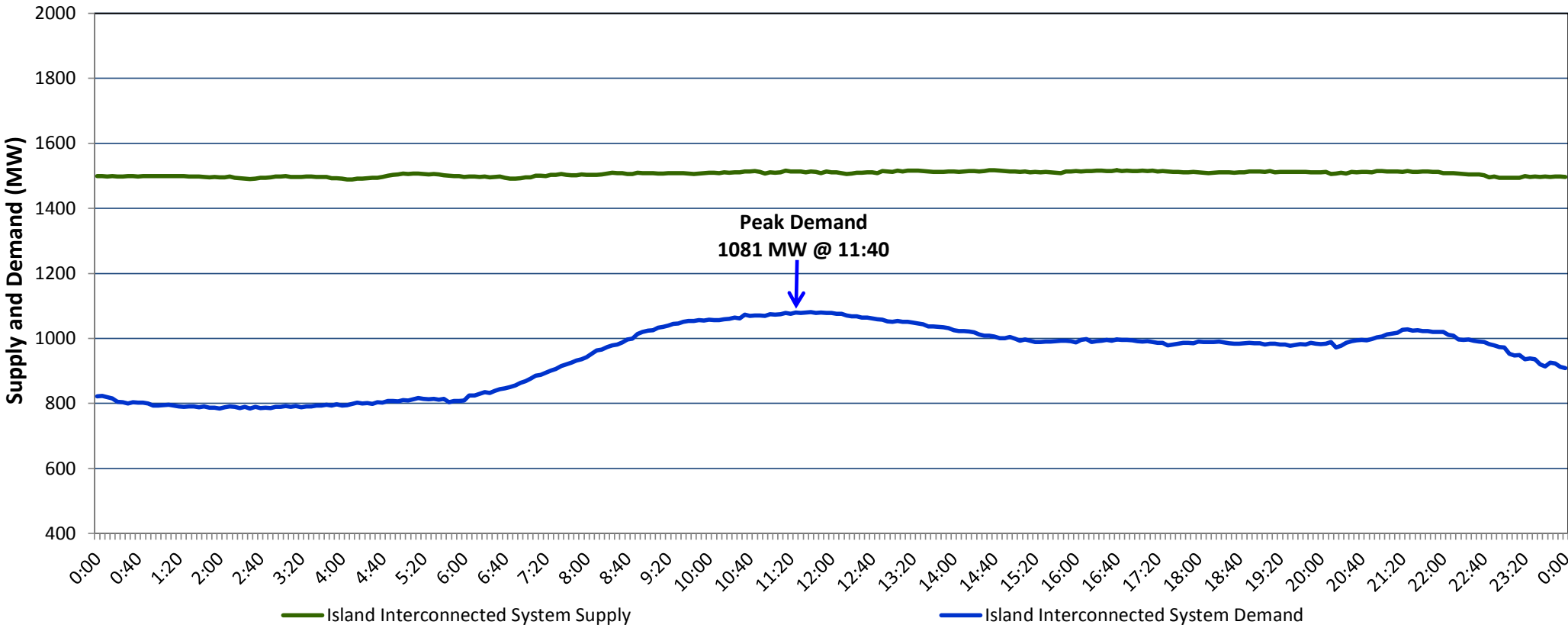


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, May 29, 2017

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Saturday, May 27, 2017



Supply Notes For May 27, 2017

- 1,2
- A

As of 0855 hours, May 01, 2017, Holyrood Unit 2 unavailable 165 MW (170 MW).
- B

As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76. 5 MW).
- C

As of 1510 hours, May 07, 2017, Bay d'Espoir Unit 4 unavailable due to planned outage (76. 5 MW).
- D

As of 0830 hours, May 09, 2017, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- E

As of 0750 hours, May 10, 2017, Holyrood Unit 3 available at 147 MW (150 MW).
- F

As of 1300 hours, May 16, 2017, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- G

As of 1544 hours, May 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
- H

As of 0826 hours, May 23, 2017, Holyrood Unit 1 available at 110 MW (170 MW).
- I

As of 0810 hours, May 24, 2017, Hinds Lake Unit unavailable due to planned outage (75 MW).

Section 2
Island Interconnected Supply and Demand

Sun, May 28, 2017		Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
				Morning	Evening	
Available Island System Supply: ⁵		1,485 MW	Sunday, May 28, 2017	2	3	1,110
NLH Generation: ⁴		1,175 MW	Monday, May 29, 2017	3	0	1,130
NLH Power Purchases: ⁶		115 MW	Tuesday, May 30, 2017	1	7	1,080
Other Island Generation:		195 MW	Wednesday, May 31, 2017	9	10	890
Current St. John's Temperature:		0 °C	Thursday, June 01, 2017	5	6	955
Current St. John's Windchill:		-5 °C	Friday, June 02, 2017	7	7	915
7-Day Island Peak Demand Forecast:		1,130 MW	Saturday, June 03, 2017	4	5	905

Supply Notes For May 28, 2017

- 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.

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

Sat, May 27, 2017	Actual Island Peak Demand ⁸	11:40	1,081 MW
Sun, May 28, 2017	Forecast Island Peak Demand		1,110 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).