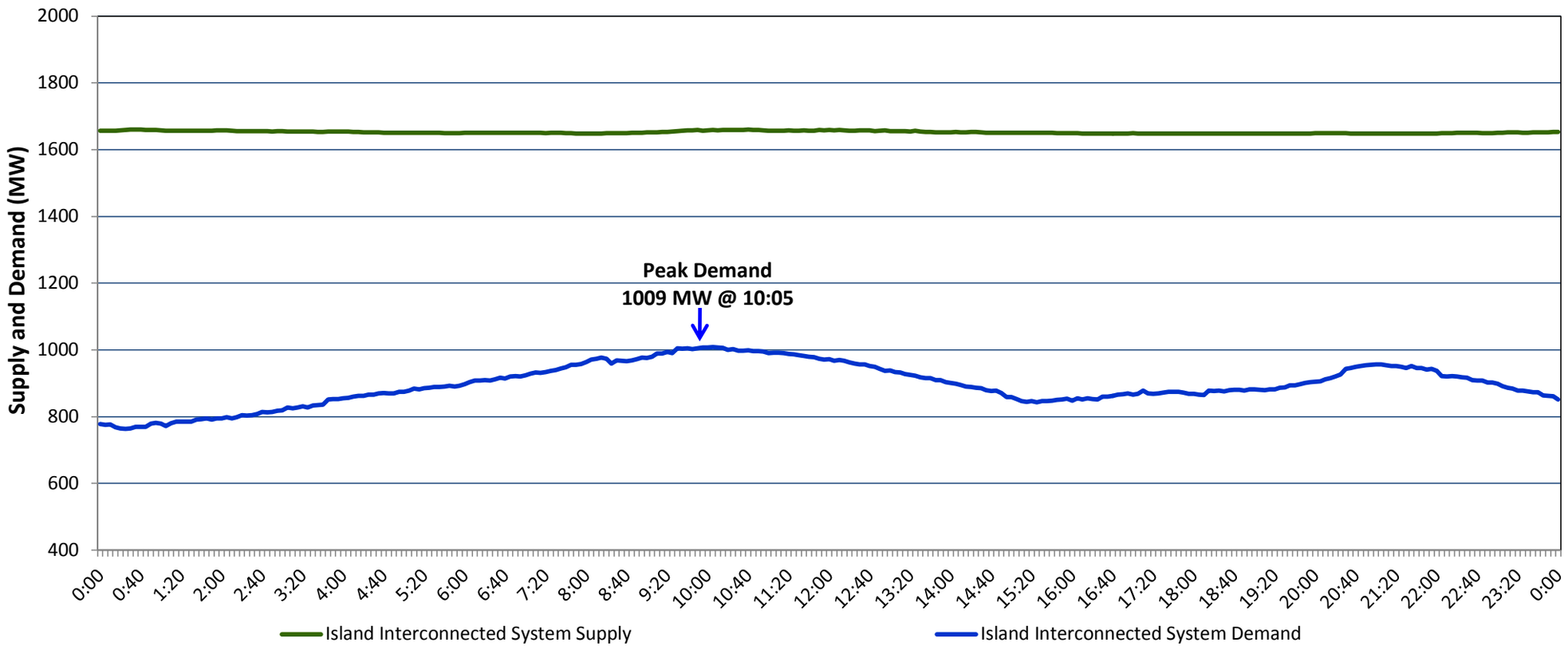
Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, May 08, 2017

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Saturday, May 06, 2017



Supply Notes For May 06, 2017 [1,2]

A As of 1526 hours, April 03, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
B As of 1520 hours, April 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
C As of 0855 hours, May 01, 2017, Holyrood Unit 2 unavailable 165 MW (170 MW).
D As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76. 5 MW).
E As of 0900 hours, May 04, 2017, Holyrood Unit 1 available at 120 MW (170 MW).

Section 2
Island Interconnected Supply and Demand

Sun, May 07, 2017	**Island System Outlook**[3]		**Seven-Day Forecast**	**Temperature (°C)**		**Island System Daily Peak Demand (MW)**
				Morning	**Evening**	**Forecast**
Available Island System Supply:[5]	**1,660**	**MW**	Sunday, May 07, 2017	2	3	**1,100**
NLH Generation:[4]	1,370	MW	Monday, May 08, 2017	2	1	1,145
NLH Power Purchases:[6]	90	MW	Tuesday, May 09, 2017	3	3	1,095
Other Island Generation:	200	MW	Wednesday, May 10, 2017	4	5	1,055
Current St. John's Temperature:	0	°C	Thursday, May 11, 2017	4	2	1,045
Current St. John's Windchill:	-3	°C	Friday, May 12, 2017	3	3	1,100
7-Day Island Peak Demand Forecast:	**1,145**	MW	Saturday, May 13, 2017	2	1	1,125

Supply Notes For May 07, 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 06, 2017	Actual Island Peak Demand[8]	10:05	1,009	MW
Sun, May 07, 2017	Forecast Island Peak Demand		1,100	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).