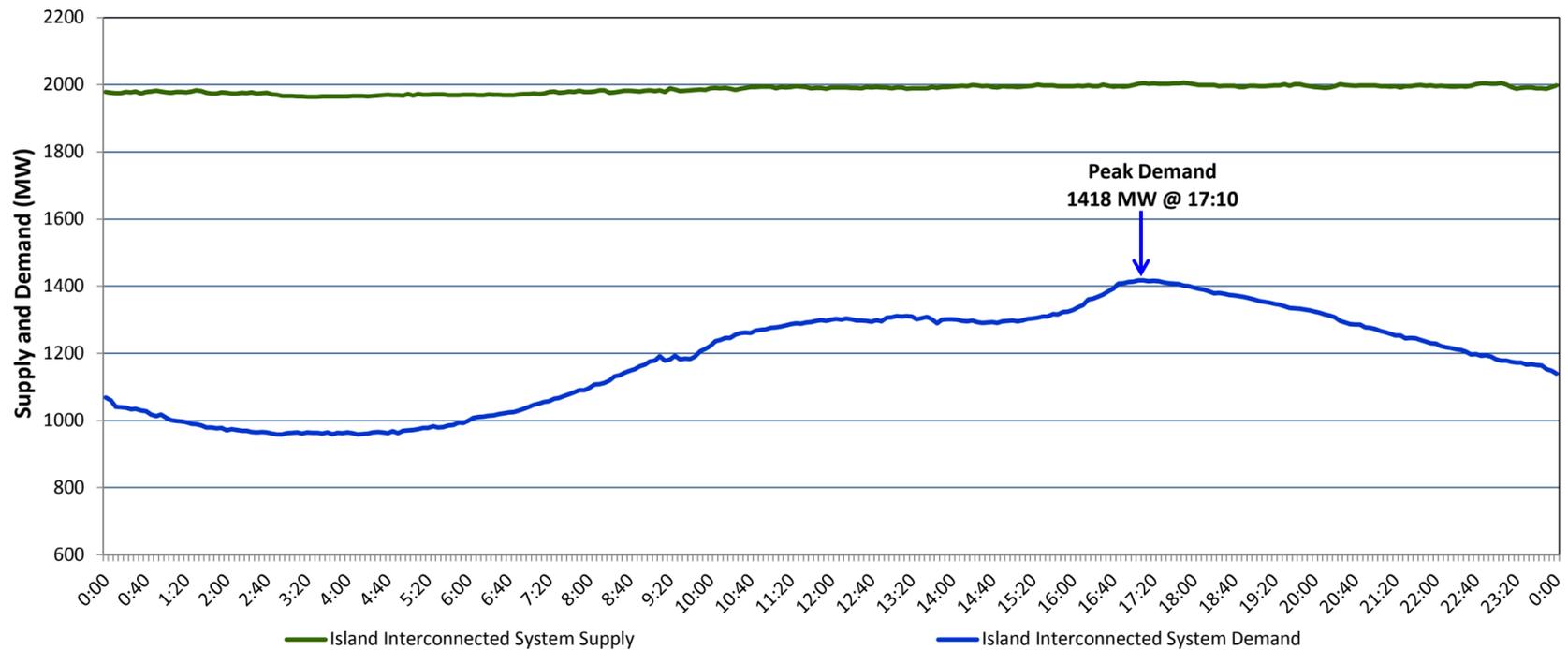


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, January 03, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Saturday, December 31, 2016**



Supply Notes For December 31, 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 1719 hours, September 09, 2016, Nalcor Exploits Bishop's Falls plant unit 9 unavailable. No net impact to the Island Interconnected System.
 - D As of 2132 hours, October 10, 2016, Nalcor Exploits Bishop's Falls plant unit 8 unavailable. No net impact to the Island Interconnected System.
 - E As of 1920 hours, December 29, 2016, Holyrood Unit 1 derated to 160 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Sun, Jan 01, 2017	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	1,985 MW	Sunday, January 01, 2017	-4	-2	1,420	1,323
NLH Generation: ⁴	1,660 MW	Monday, January 02, 2017	0	-2	1,415	1,318
NLH Power Purchases: ⁶	120 MW	Tuesday, January 03, 2017	-4	-6	1,565	1,467
Other Island Generation:	205 MW	Wednesday, January 04, 2017	-4	-1	1,525	1,427
Current St. John's Temperature:	-4 °C	Thursday, January 05, 2017	3	-1	1,395	1,299
Current St. John's Windchill:	-10 °C	Friday, January 06, 2017	-1	-1	1,435	1,338
7-Day Island Peak Demand Forecast:	1,565 MW	Saturday, January 07, 2017	2	-3	1,475	1,378

Supply Notes For January 01, 2017

- 3
- Notes:
- 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.
 - 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.
 - As of 0800 Hours.
 - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 - Gross output from all Island sources (including Note 4).
 - NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.
 - 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**

Sat, Dec 31, 2016	Actual Island Peak Demand ⁸	17:10	1,418 MW
Sun, Jan 01, 2017	Forecast Island Peak Demand		1,420 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).