

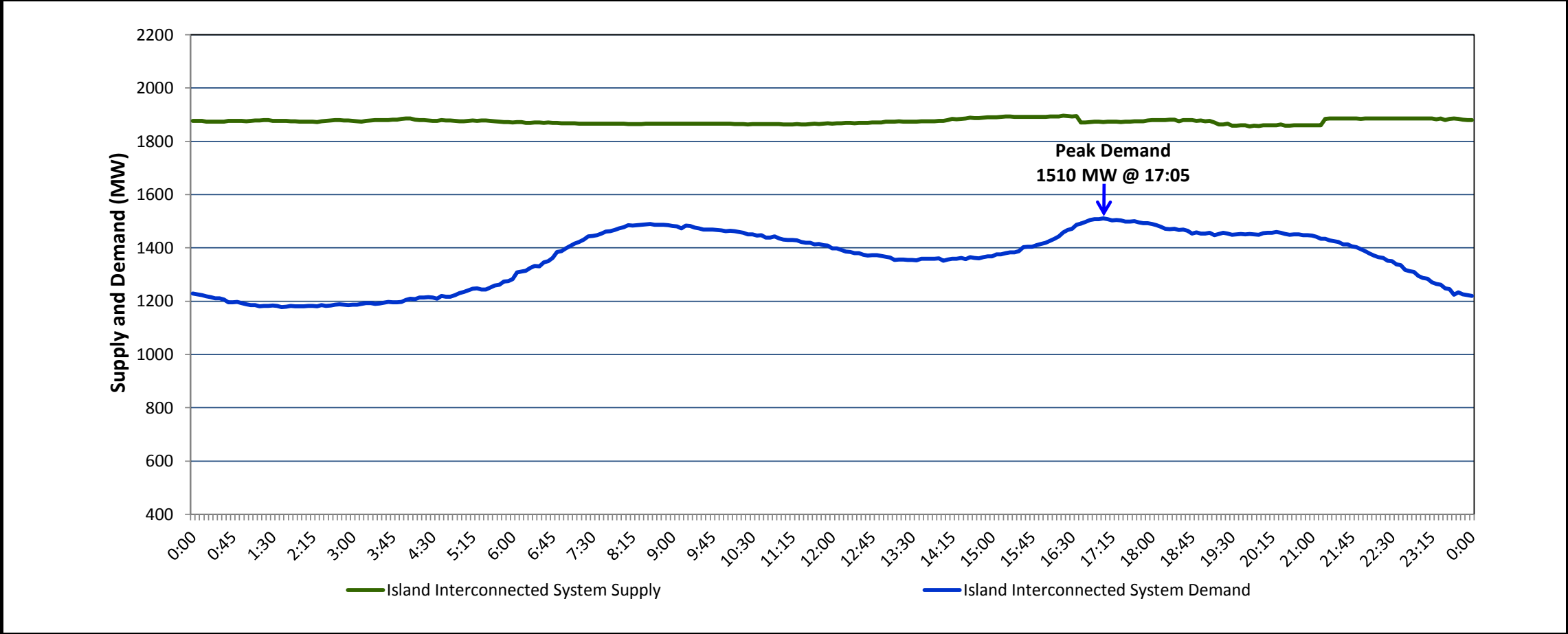
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Friday, January 05, 2018

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Thursday, January 04, 2018



Supply Notes For January 04, 2018		1,2
A	As of 1652 hours, December 29, 2017, Hardwoods Gas Turbine available at 25 MW (50 MW).	
B	As of 1609 hours, December 31, 2017, Holyrood Unit 3 available at 130 MW (150 MW).	
C	As of 0739 hours, January 03, 2018, Holyrood Unit 1 available at 130 MW (170 MW).	
D	As of 0739 hours, January 03, 2018, Holyrood Unit 2 available at 154 MW (170 MW).	
E	At 1637 hours, January 04, 2017, Stephenville Gas Turbine unavailable 25 MW (50 MW).	
F	At 2115 hours, January 04, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).	

Section 2

Island Interconnected Supply and Demand

Fri, Jan 05, 2018	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	1,880 MW	Friday, January 05, 2018	6	3	1,295	1,189
NLH Generation: ⁴	1,570 MW	Saturday, January 06, 2018	0	-4	1,540	1,431
NLH Power Purchases: ⁶	125 MW	Sunday, January 07, 2018	-6	-7	1,600	1,490
Other Island Generation:	185 MW	Monday, January 08, 2018	-7	-5	1,595	1,485
Current St. John's Temperature:	3 °C	Tuesday, January 09, 2018	-6	-1	1,525	1,416
Current St. John's Windchill:	N/A °C	Wednesday, January 10, 2018	1	-3	1,515	1,406
7-Day Island Peak Demand Forecast:	1,600 MW	Thursday, January 11, 2018	-5	-3	1,530	1,421

Supply Notes For January 05, 2018		3
G	At 0546 hours, January 05, 2017, Hawkes Bay Diesel Plant unavailable (5 MW).	
H	At 0558 hours, January 05, 2017, Hawkes Bay Diesel Plant available (5 MW).	
I	At 0710 hours, January 05, 2017, Hawkes Bay Diesel Plant unavailable (5 MW).	
J	At 0722 hours, January 05, 2017, Hawkes Bay Diesel Plant available (5 MW).	

- 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, Wind Generation, Vale capacity assistance and Maritime Link Import (when applicable).
 - Adjusted for CBP&P and Vale and Praxair interruptible load, the impact of voltage reduction and Maritime Link Exports (when applicable).

Section 3

Island Peak Demand Information

Previous Day Actual Peak and Current Day Forecast Peak

Thu, Jan 04, 2018	Actual Island Peak Demand ⁸	17:05	1,510 MW
Fri, Jan 05, 2018	Forecast Island Peak Demand		1,295 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).