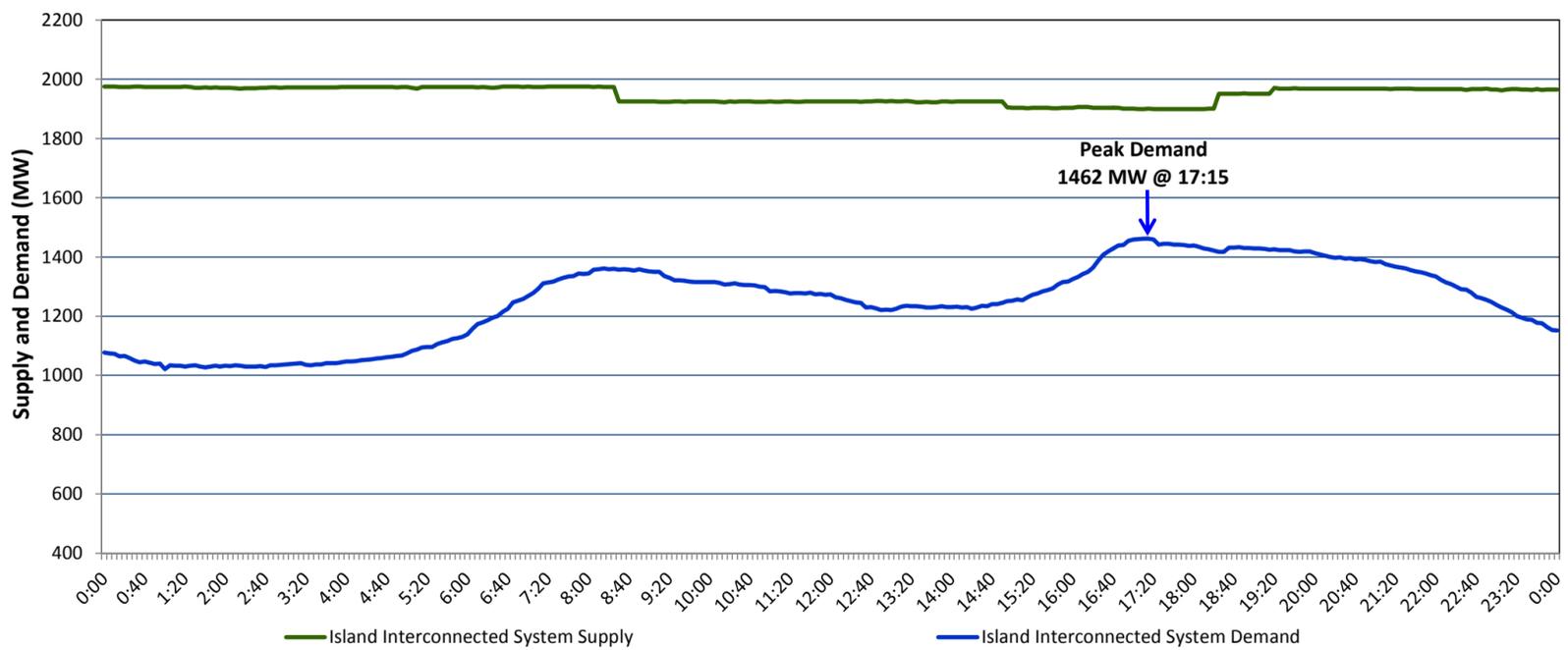


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, December 22, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Thursday, December 21, 2017**



Supply Notes For December 21, 2017 ^{1,2}

- A As of 0852 hours, December 02, 2017, Stephenville Gas Turbine available at 38 MW (50 MW).
- B As of 1508 hours, December 04, 2017, Holyrood Unit 1 available at 150 MW (170 MW).
- C As of 1610 hours, December 19, 2017, Holyrood Unit 2 available at 160 MW (170 MW).
- D As of 2012 hours, December 20, 2017, Holyrood Unit 3 available at 125 MW (150 MW).
- E **At 0833 hours, December 21, 2017, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).**
- F **At 1821 hours, December 21, 2017, Hardwoods Gas Turbine available (50 MW).**

**Section 2
Island Interconnected Supply and Demand**

Fri, Dec 22, 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	1,930 MW	Friday, December 22, 2017	-3	-3	1,535	1,426
NLH Generation: ⁴	1,625 MW	Saturday, December 23, 2017	-3	-4	1,450	1,342
NLH Power Purchases: ⁶	115 MW	Sunday, December 24, 2017	2	4	1,375	1,268
Other Island Generation:	190 MW	Monday, December 25, 2017	-2	0	1,510	1,401
Current St. John's Temperature:	-2 °C	Tuesday, December 26, 2017	1	-3	1,545	1,436
Current St. John's Windchill:	-10 °C	Wednesday, December 27, 2017	-6	-7	1,650	1,540
7-Day Island Peak Demand Forecast:	1,700 MW	Thursday, December 28, 2017	-10	-8	1,700	1,589

Supply Notes For December 22, 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, Wind Generation, Vale capacity assistance and Maritime Link Import (when applicable).
 7. 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, Dec 21, 2017	Actual Island Peak Demand ⁸	17:15	1,462 MW
Fri, Dec 22, 2017	Forecast Island Peak Demand		1,535 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).