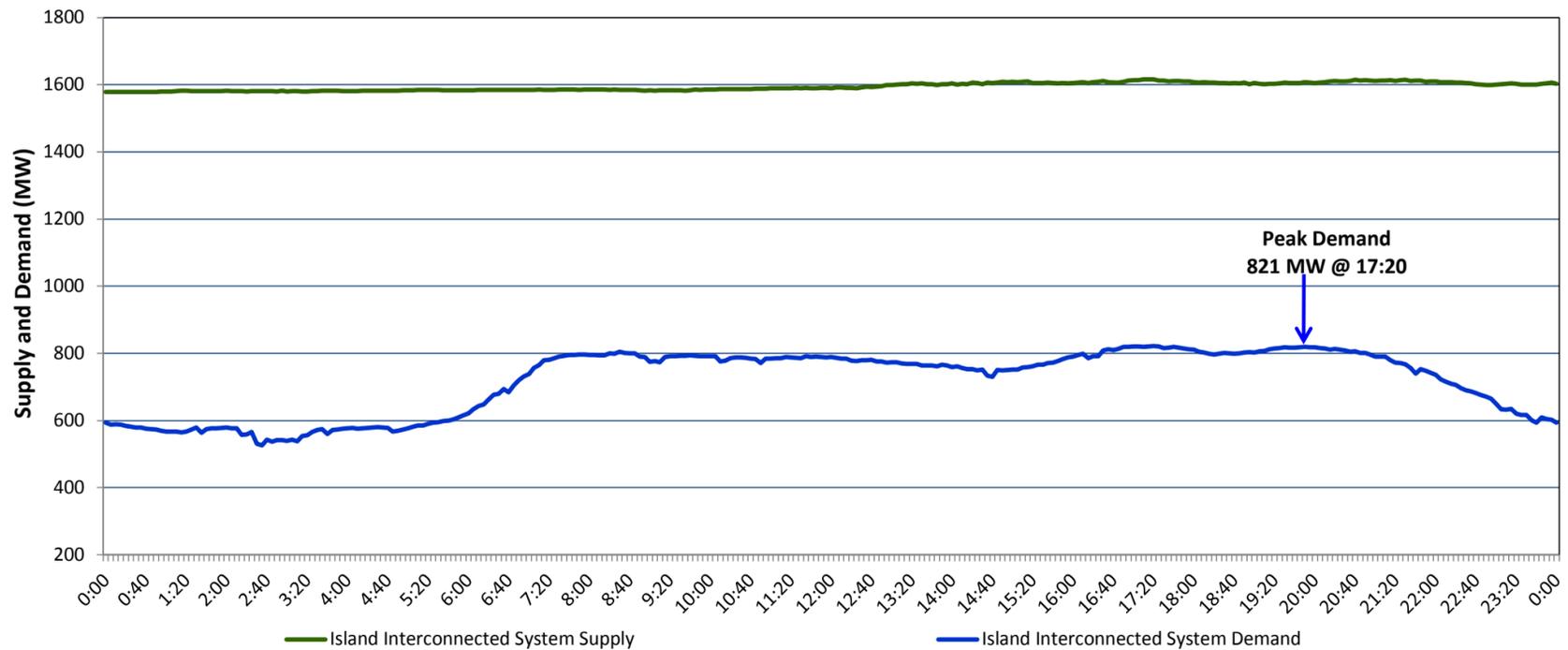


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, September 20, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, September 19, 2017**



Supply Notes For September 19, 2017

- ^{1,2}
- A As of 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
 - B As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
 - C As of 1704 hours, August 31, 2017, Hardwoods Gas Turbine available at 25 MW (50 MW).
 - D As of 1527 hours, September 17, 2017, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
 - E As of 2000 hours, September 17, 2017, Hawke's Bay Diesel Plant available at 2.5 MW due to a planned outage (5 MW).
 - F As of 2118 hours, September 18, 2017, Holyrood Unit 1 available at 50 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Sep 20, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: ⁵	1,585 MW	Wednesday, September 20, 2017	15	15	845
NLH Generation: ⁴	1,285 MW	Thursday, September 21, 2017	14	10	845
NLH Power Purchases: ⁶	115 MW	Friday, September 22, 2017	9	13	885
Other Island Generation:	185 MW	Saturday, September 23, 2017	12	14	815
Current St. John's Temperature:	13 °C	Sunday, September 24, 2017	9	8	865
Current St. John's Windchill:	N/A °C	Monday, September 25, 2017	10	9	910
7-Day Island Peak Demand Forecast:	910 MW	Tuesday, September 26, 2017	8	7	890

Supply Notes For September 20, 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**

Tue, Sep 19, 2017	Actual Island Peak Demand ⁸	17:20	821 MW
Wed, Sep 20, 2017	Forecast Island Peak Demand		845 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).