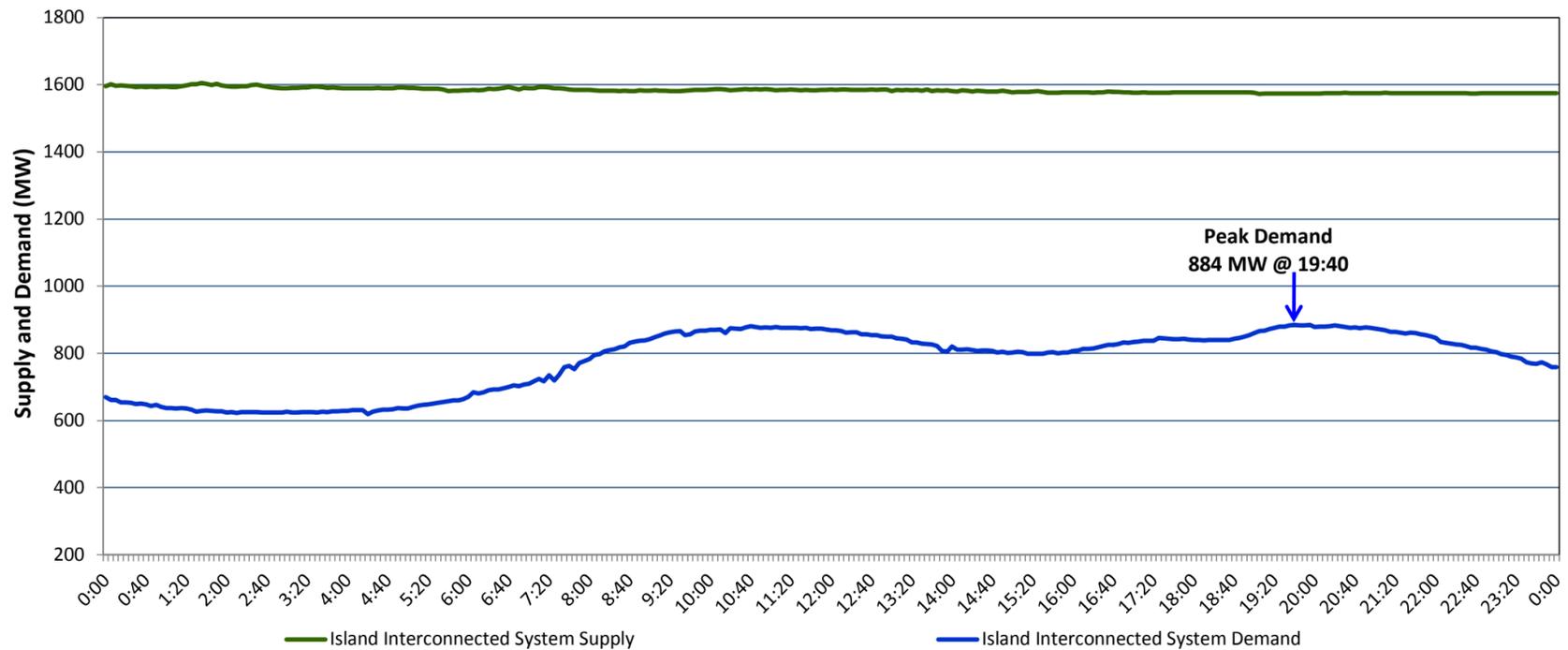


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, October 02, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Saturday, September 30, 2017**



Supply Notes For September 30, 2017

^{1,2}

- A As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
- B As of 1527 hours, September 17, 2017, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
- C As of 1229 hours, September 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 1619 hours, September 22, 2017, Holyrood Unit 3 removed from service for economic dispatch (150 MW).

**Section 2
Island Interconnected Supply and Demand**

Sun, Oct 01, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: ⁵	1,575 MW	Sunday, October 01, 2017	7	9	890
NLH Generation: ⁴	1,280 MW	Monday, October 02, 2017	9	5	1,000
NLH Power Purchases: ⁶	120 MW	Tuesday, October 03, 2017	6	7	1,015
Other Island Generation:	175 MW	Wednesday, October 04, 2017	9	12	885
Current St. John's Temperature:	5 °C	Thursday, October 05, 2017	15	14	835
Current St. John's Windchill:	N/A °C	Friday, October 06, 2017	14	16	845
7-Day Island Peak Demand Forecast:	1,015 MW	Saturday, October 07, 2017	12	8	890

Supply Notes For October 01, 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, Sep 30, 2017	Actual Island Peak Demand ⁸	19:40	884 MW
Sun, Oct 01, 2017	Forecast Island Peak Demand		890 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).