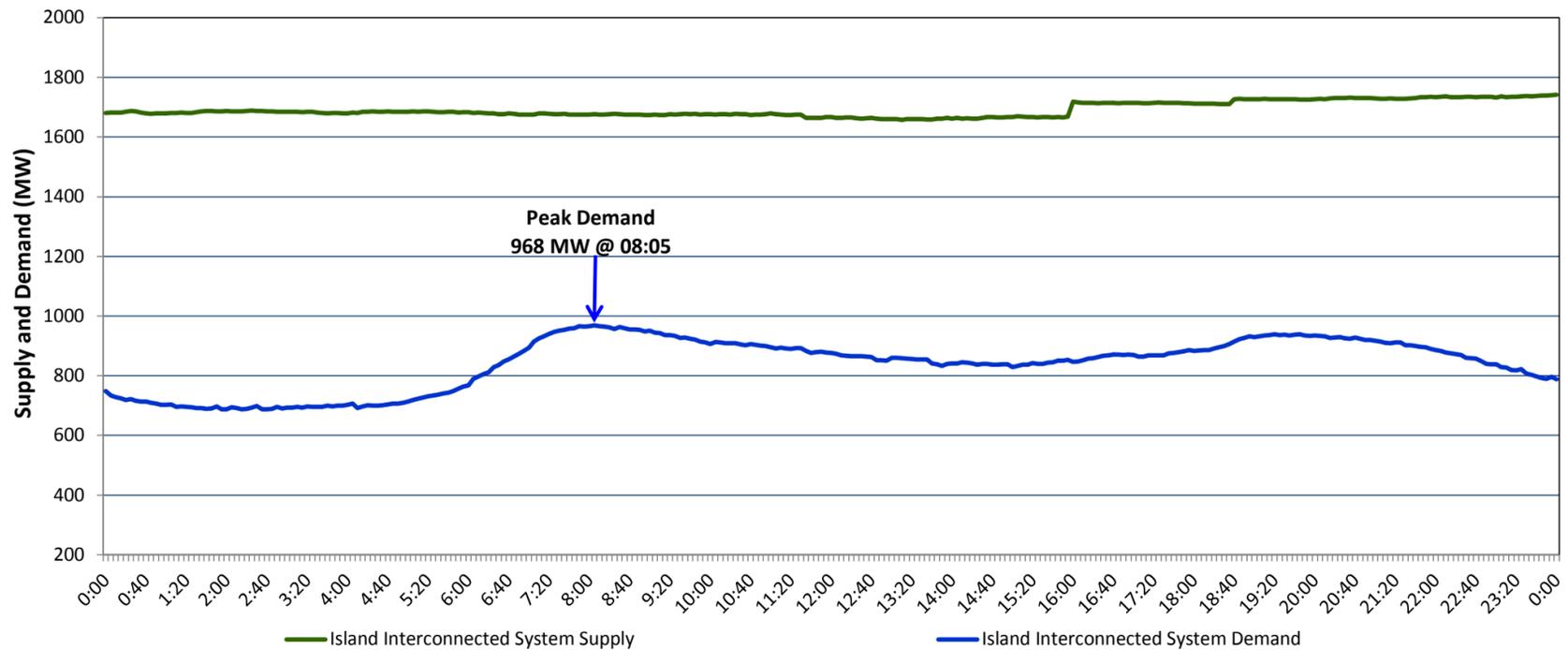


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, October 16, 2017

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Friday, October 13, 2017



#### Supply Notes For October 13, 2017

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- A As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
- B As of 1229 hours, September 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- C As of 1211 hours, October 01, 2017, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
- D At 1100 hours, October 13, 2017, St. Anthony Diesel Plant available at full capacity (9.7 MW).
- E At 1559 hours, October 13, 2017, Cat Arm Unit 1 available (67 MW).

### Section 2 Island Interconnected Supply and Demand

Sat, Oct 14, 2017	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	Forecast
Available Island System Supply: <sup>5</sup>	1,730 MW	Saturday, October 14, 2017	6	10	965
NLH Generation: <sup>4</sup>	1,430 MW	Sunday, October 15, 2017	10	8	950
NLH Power Purchases: <sup>6</sup>	105 MW	Monday, October 16, 2017	16	14	930
Other Island Generation:	195 MW	Tuesday, October 17, 2017	13	6	1,050
Current St. John's Temperature:	6 °C	Wednesday, October 18, 2017	3	4	1,115
Current St. John's Windchill:	N/A °C	Thursday, October 19, 2017	8	8	985
7-Day Island Peak Demand Forecast:	1,115 MW	Friday, October 20, 2017	10	10	930

#### Supply Notes For October 14, 2017

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- 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

Fri, Oct 13, 2017	Actual Island Peak Demand <sup>8</sup>	08:05	968 MW
Sat, Oct 14, 2017	Forecast Island Peak Demand		965 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).