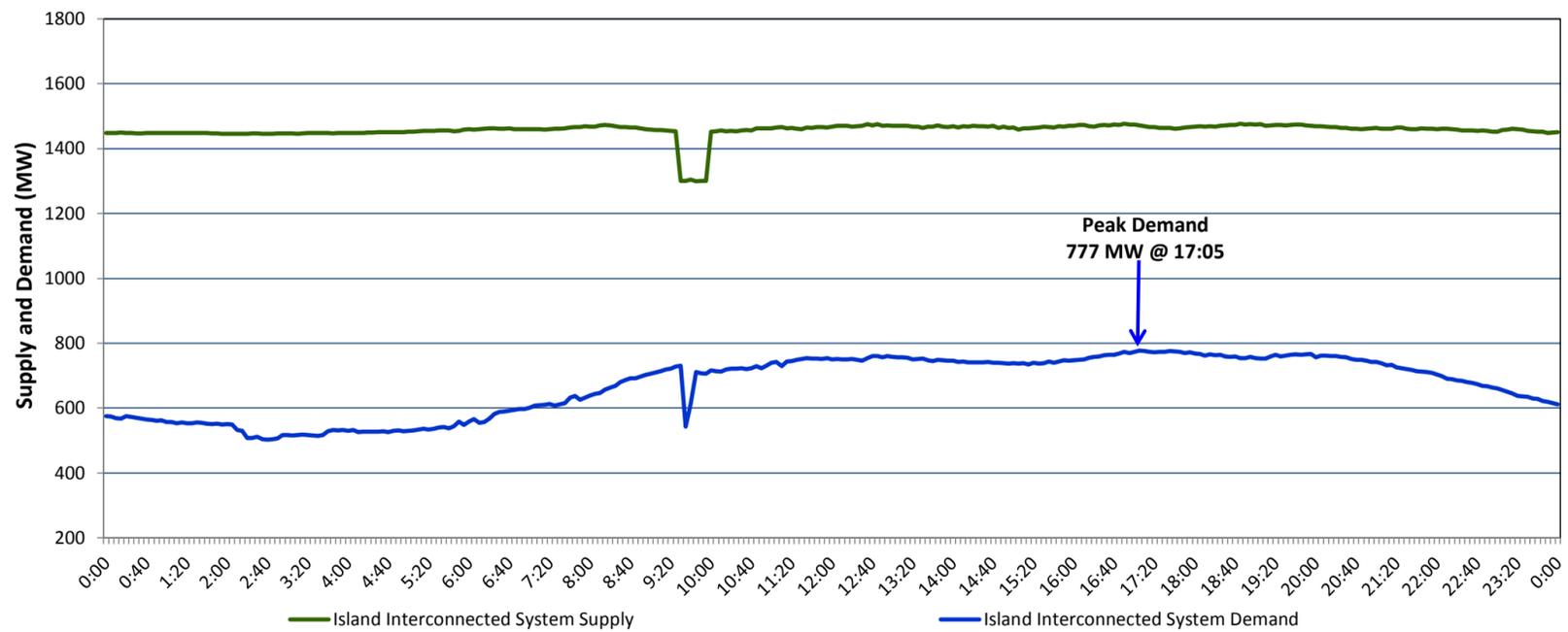


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, September 18, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Saturday, September 16, 2017**



**Supply Notes For September 16, 2017**

<sup>1,2</sup>

- A As of 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- B As of 0938 hours, June 23, 2017, Holyrood Unit 1 unavailable due to planned outage 120 MW (170 MW).
- C As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
- D As of 0828 hours, August 27, 2017, Bay d'Espoir Unit 7 unavailable due to planned outage (154.4 MW).
- E As of 1704 hours, August 31, 2017, Hardwoods Gas Turbine available at 25 MW (50 MW).
- F At 0933 hours, September 16, 2017, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- G At 0933 hours, September 16, 2017, Bay d'Espoir Unit 3 unavailable (76.5 MW).
- H At 0958 hours, September 16, 2017, Bay d'Espoir Unit 3 available (76.5 MW).
- I At 1000 hours, September 16, 2017, Bay d'Espoir Unit 1 available (76.5 MW).
- J At 1605 hours, September 16, 2017, Hawke's Bay Diesel Plant available at full capacity (5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sun, Sep 17, 2017	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,425 MW	Sunday, September 17, 2017	10	9	805
NLH Generation: <sup>4</sup>	1,150 MW	Monday, September 18, 2017	11	10	830
NLH Power Purchases: <sup>6</sup>	100 MW	Tuesday, September 19, 2017	10	12	885
Other Island Generation:	175 MW	Wednesday, September 20, 2017	14	15	825
Current St. John's Temperature:	9 °C	Thursday, September 21, 2017	15	9	895
Current St. John's Windchill:	N/A °C	Friday, September 22, 2017	9	9	905
7-Day Island Peak Demand Forecast:	905 MW	Saturday, September 23, 2017	12	11	810

**Supply Notes For September 17, 2017**

<sup>3</sup>

- 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 16, 2017	Actual Island Peak Demand <sup>8</sup>	17:05	777 MW
Sun, Sep 17, 2017	Forecast Island Peak Demand		805 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).