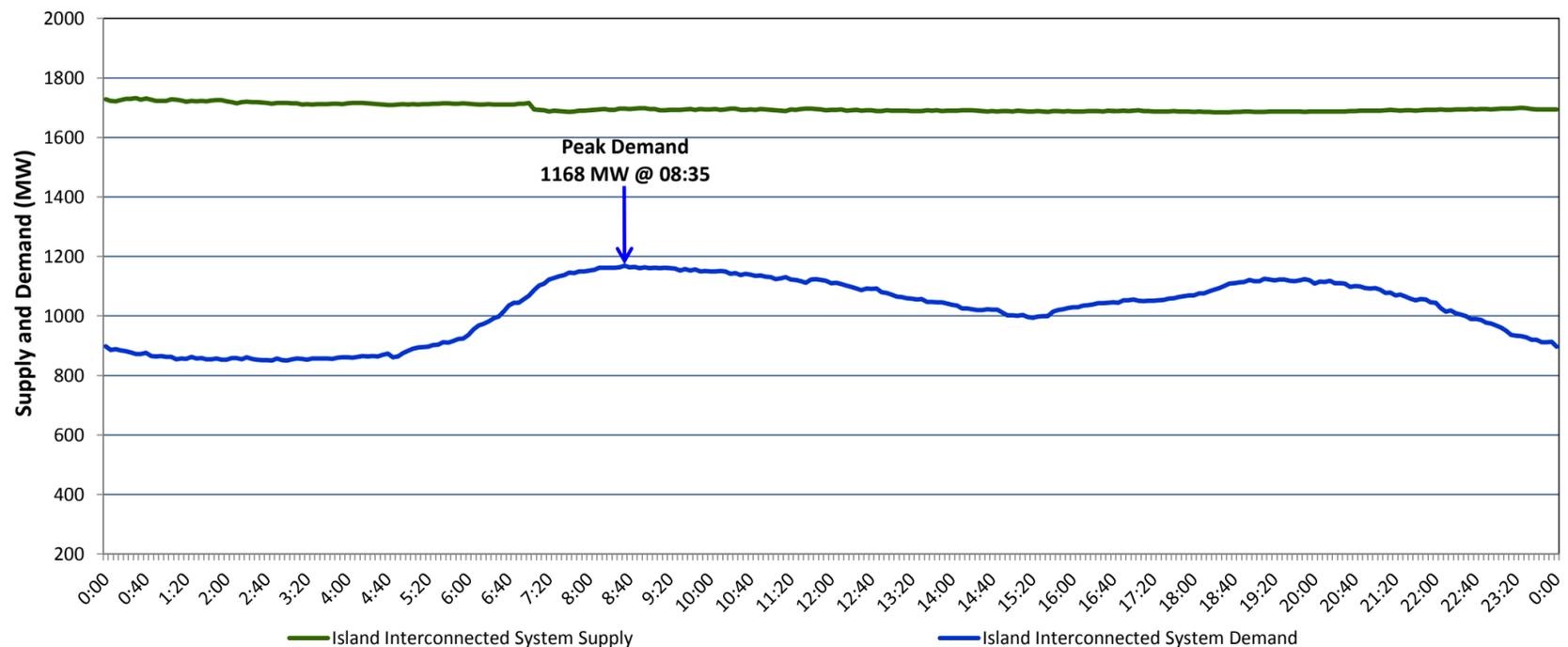


## Newfoundland Labrador Hydro (NLH)

### Supply and Demand Status Report Filed Tuesday, October 24, 2017 (Revised - October 25, 2017)

#### Section 1

#### Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Monday, October 23, 2017



#### Supply Notes For October 23, 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 0830 hours, October 20, 2017, Holyrood Unit 1 available at 154 MW (170 MW).
- C** As of 2116 hours, October 22, 2017, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- D** At 0658 hours, October 23, 2017, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- E** At 0830 hours, October 23, 2017, Hawke's Bay Diesel Plant available at full capacity (5 MW).

#### Section 2

#### Island Interconnected Supply and Demand

Tue, Oct 24, 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>	<b>1,670 MW</b>	Tuesday, October 24, 2017	5	7	<b>1,130</b>
NLH Generation: <sup>4</sup>	1,380 MW	Wednesday, October 25, 2017	7	9	1,015
NLH Power Purchases: <sup>6</sup>	105 MW	Thursday, October 26, 2017	10	11	870
Other Island Generation:	185 MW	Friday, October 27, 2017	8	5	960
Current St. John's Temperature:	4 °C	Saturday, October 28, 2017	5	4	1,040
Current St. John's Windchill:	N/A °C	Sunday, October 29, 2017	5	4	1,080
7-Day Island Peak Demand Forecast:	<b>1,130 MW</b>	Monday, October 30, 2017	4	4	1,050

#### Supply Notes For October 24, 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

Mon, Oct 23, 2017	Actual Island Peak Demand <sup>8</sup>	08:35	1,168 MW
Tue, Oct 24, 2017	Forecast Island Peak Demand		1,130 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).