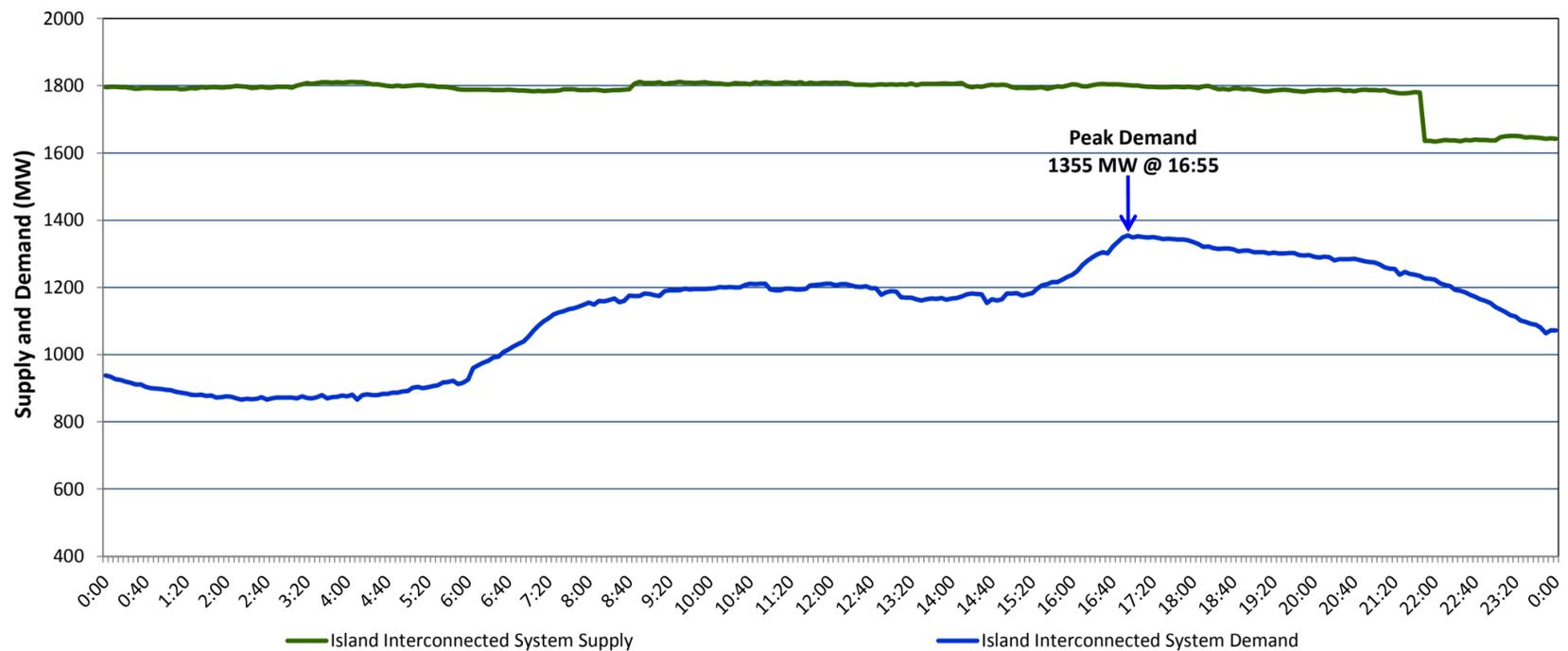


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Friday, December 01, 2017

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Thursday, November 30, 2017



#### Supply Notes For November 30, 2017 <sup>1,2</sup>

- A As of 1510 hours, November 04, 2017, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- B As of 1510 hours, November 04, 2017, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- C As of 0650 hours, November 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 1908 hours, November 24, 2017, Holyrood Unit 2 available at 160 MW (170 MW).
- E **At 2148 hours, November 30, 2017, Holyrood Unit 1 unavailable due to planned outage 145 MW (170 MW).**

### Section 2 Island Interconnected Supply and Demand

Fri, Dec 01, 2017	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	<b>1,615 MW</b>	Friday, December 01, 2017	-2	1	<b>1,335</b>	<b>1,228</b>
NLH Generation: <sup>4</sup>	1,335 MW	Saturday, December 02, 2017	2	1	1,255	1,149
NLH Power Purchases: <sup>6</sup>	75 MW	Sunday, December 03, 2017	1	-1	1,320	1,214
Other Island Generation:	205 MW	Monday, December 04, 2017	1	1	1,370	1,263
Current St. John's Temperature:	-2 °C	Tuesday, December 05, 2017	0	0	1,350	1,243
Current St. John's Windchill:	-6 °C	Wednesday, December 06, 2017	1	1	1,285	1,179
7-Day Island Peak Demand Forecast:	<b>1,370 MW</b>	Thursday, December 07, 2017	3	4	1,240	1,135

#### Supply Notes For December 01, 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.
  7. Adjusted for CBP&P and Vale and Praxair interruptible load and the impact of voltage reduction, when applicable.

### Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

Thu, Nov 30, 2017	Actual Island Peak Demand <sup>8</sup>	16:55	1,355 MW
Fri, Dec 01, 2017	Forecast Island Peak Demand		1,335 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).