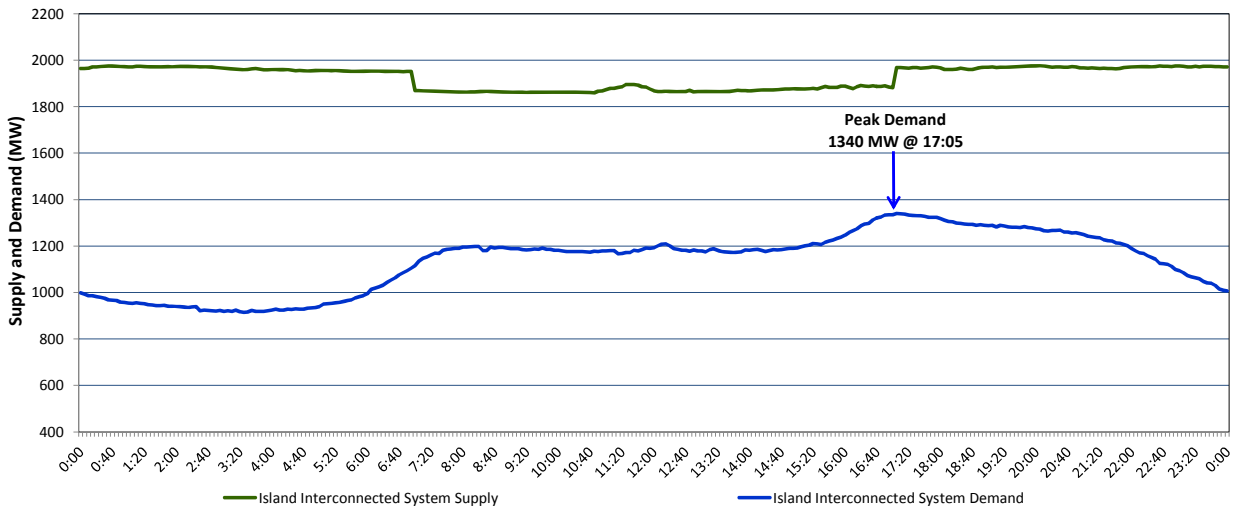


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, December 13, 2017

### Section 1 Island Interconnected System Supply and Demand Actual 24 Hour System Performance For Tuesday, December 12, 2017



#### Supply Notes For December 12, 2017 <sup>1,2</sup>

- A As of 1908 hours, November 24, 2017, Holyrood Unit 2 available at 160 MW (170 MW).
- B As of 0852 hours, December 02, 2017, Stephenville Gas Turbine available at 38 MW (50 MW).
- C As of 1508 hours, December 04, 2017, Holyrood Unit 1 available at 150 MW (170 MW).
- D As of 2230 hours, December 11, 2017, Holyrood Unit 3 available at 130 MW (150 MW).
- E **At 0655 hours, December 12, 2017, Upper Salmon Unit unavailable due to planned outage (84 MW).**
- F **At 1703 hours, December 12, 2017, Upper Salmon available (84 MW).**

### Section 2 Island Interconnected Supply and Demand

Wed, Dec 13, 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>	1,950 MW	Wednesday, December 13, 2017	3	6	1,320	1,214
NLH Generation: <sup>4</sup>	1,630 MW	Thursday, December 14, 2017	4	3	1,345	1,238
NLH Power Purchases: <sup>6</sup>	120 MW	Friday, December 15, 2017	1	0	1,435	1,327
Other Island Generation:	200 MW	Saturday, December 16, 2017	-2	-2	1,360	1,253
Current St. John's Temperature:	2 °C	Sunday, December 17, 2017	-3	-4	1,495	1,387
Current St. John's Windchill:	N/A °C	Monday, December 18, 2017	-7	-5	1,510	1,401
7-Day Island Peak Demand Forecast:	1,510 MW	Tuesday, December 19, 2017	-8	-4	1,500	1,391

#### Supply Notes For December 13, 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, Wind Generation, Vale capacity assistance and Maritime Link Import (when applicable).
  7. Adjusted for CBP&P and Vale and Praxair interruptible load, the impact of voltage reduction and Maritime Link Exports (when applicable).

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

Tue, Dec 12, 2017	Actual Island Peak Demand <sup>8</sup>	17:05	1,340 MW
Wed, Dec 13, 2017	Forecast Island Peak Demand		1,320 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).