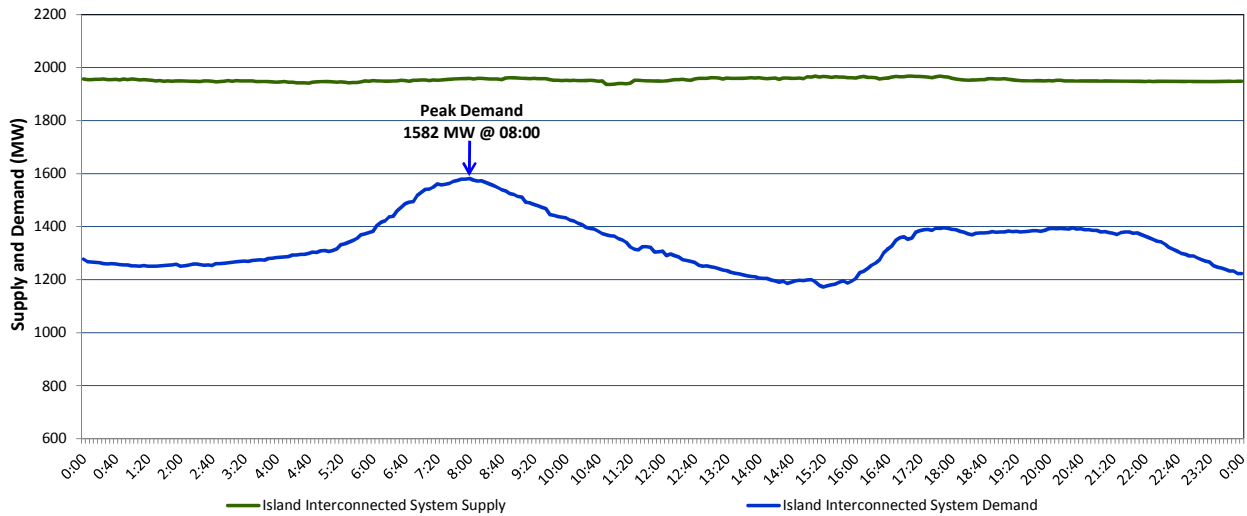


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, January 25, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Tuesday, January 24, 2017**



**Supply Notes For January 24, 2017**

- A As of 0827 hours, January 20, 2017, Holyrood Unit 1 available at 145 MW (170 MW).
- B As of 1556 hours, January 20, 2017, Holyrood Unit 2 available at 150 MW (170 MW).
- C At 0823 hours, January 24, 2017, St. Anthony Diesel Plant Unit 523 (G2) unavailable due to planned outage (1 MW).
- D At 1047 hours, January 24, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- E At 1427 hours, January 24, 2017, St. Anthony Diesel Plant Unit 523 (G2) available (1 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Jan 25, 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>	1,960 MW	Wednesday, January 25, 2017	-5	-2	1,505	1,402
NLH Generation: <sup>4</sup>	1,625 MW	Thursday, January 26, 2017	0	3	1,420	1,318
NLH Power Purchases: <sup>6</sup>	125 MW	Friday, January 27, 2017	-1	1	1,380	1,279
Other Island Generation:	210 MW	Saturday, January 28, 2017	-2	-1	1,430	1,328
Current St. John's Temperature:	-5 °C	Sunday, January 29, 2017	-4	-3	1,465	1,363
Current St. John's Windchill:	-8 °C	Monday, January 30, 2017	-3	-3	1,525	1,422
7-Day Island Peak Demand Forecast:	1,525 MW	Tuesday, January 31, 2017	-3	-4	1,510	1,407

**Supply Notes For January 25, 2017**

- Notes:
- 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.
  - 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.
  - As of 0800 Hours.
  - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  - Gross output from all Island sources (including Note 4).
  - NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.
  - Adjusted for CBP&P and Praxair interruptible load as well as the impact of voltage reduction, when applicable.

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

Tue, Jan 24, 2017	Actual Island Peak Demand <sup>8</sup>	08:00	1,582 MW
Wed, Jan 25, 2017	Forecast Island Peak Demand		1,505 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).