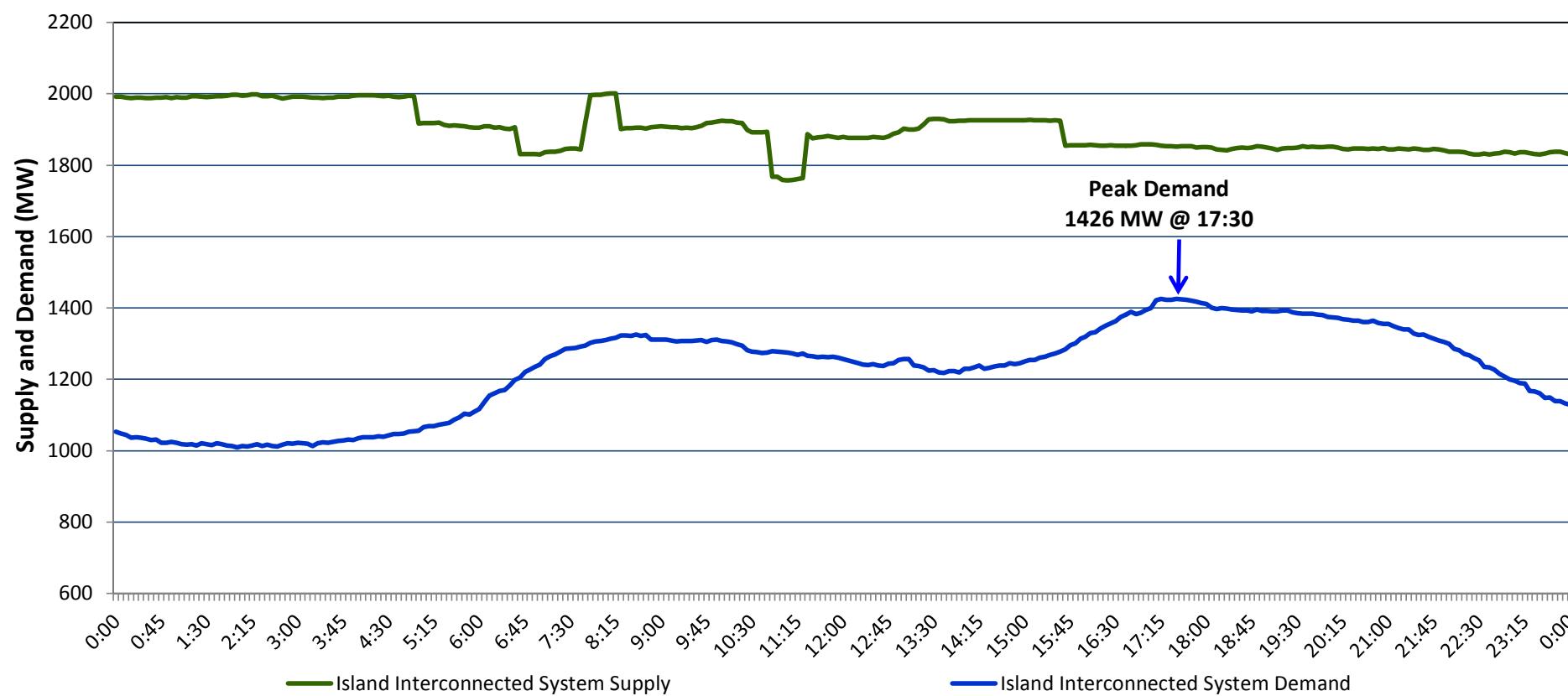


**Newfoundland Labrador Hydro (NLH)**  
**Supply and Demand Status Report Filed Wednesday, January 20, 2016**

**Section 1**  
**Island Interconnected System Supply and Demand**  
**Actual 24 Hour System Performance For Tuesday, January 19, 2016**



**Supply Notes For January 19, 2016**

- A As of 1437 hours, December 12, 2015, Holyrood Unit 1 available. Derated to 155 MW (170 MW).
- B As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- C At 0455 hours, January 19, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).
- D At 0638 hours, January 19, 2016, Bay d'Espoir Unit 5 unavailable (76.5 MW).
- E At 0743 hours, January 19, 2016, Bay d'Espoir Unit 4 available (76.5 MW).
- F At 0743 hours, January 19, 2016, Bay d'Espoir Unit 5 available (76.5 MW).
- G At 0820 hours, January 19, 2016, Holyrood Unit 2 derated to 70 MW (170 MW).
- H At 1047 hours, January 19, 2016, Holyrood Combustion Turbine unavailable (123.5 MW).
- I At 1125 hours, January 19, 2016, Holyrood Combustion Turbine available (123.5 MW).
- J At 1538 hours, January 19, 2016, Holyrood Unit 2 unavailable. Previously derated to 70 MW (170 MW).

**Section 2**  
**Island Interconnected Supply and Demand**

Wed, Jan 20, 2016	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>	1,850 MW	Wednesday, January 20, 2016	-4	-2	1,475	1,378
NLH Generation: <sup>4</sup>	1,510 MW	Thursday, January 21, 2016	-3	-3	1,495	1,398
NLH Power Purchases: <sup>7</sup>	135 MW	Friday, January 22, 2016	-5	-4	1,465	1,368
Other Island Generation:	205 MW	Saturday, January 23, 2016	-5	-6	1,435	1,338
Current St. John's Temperature:	-4 °C	Sunday, January 24, 2016	-7	-3	1,435	1,338
Current St. John's Windchill:	-11 °C	Monday, January 25, 2016	-1	-1	1,435	1,338
7-Day Island Peak Demand Forecast:	1,495 MW	Tuesday, January 26, 2016	-3	-3	1,415	1,318

**Supply Notes For January 20, 2016**

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. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

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

Tue, Jan 19, 2016	Actual Island Peak Demand <sup>8</sup>	17:30	1,426 MW
Wed, Jan 20, 2016	Forecast Island Peak Demand		1,475 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).