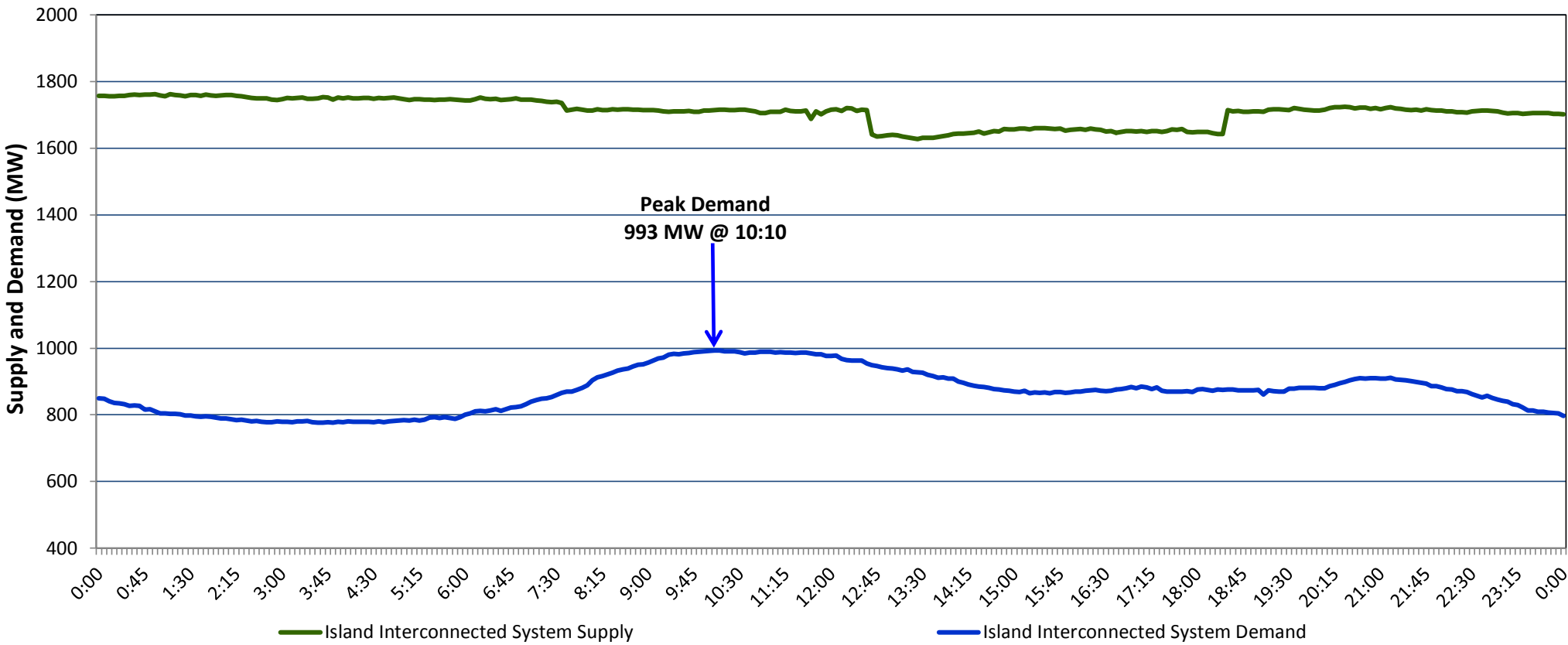


Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, May 01, 2017

Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Saturday, April 29, 2017



Supply Notes For April 29, 2017

- A As of 0829 hours, March 31, 2017, Holyrood Unit 1 available at 135 MW (170 MW).  
B As of 1526 hours, April 03, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).  
C As of 1520 hours, April 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).  
D As of 1155 hours, April 23, 2017, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).  
E As of 1616 hours, April 25, 2017, Holyrood Unit 3 unavailable due to planned outage 135 MW (150 MW).  
F As of 1703 hours, April 25, 2017, Holyrood Unit 2 available at 165 MW (170 MW).  
G At 1239 hours, April 29, 2017, Hinds Lake Unit unavailable due to planned outage (75 MW).  
H At 1828 hours, April 29, 2017, Hinds Lake Unit available (75 MW).

Section 2  
Island Interconnected Supply and Demand

Sun, Apr 30, 2017	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,710 MW	Sunday, April 30, 2017	6	-2	1,220
NLH Generation: <sup>4</sup>	1,400 MW	Monday, May 01, 2017	-3	-2	1,265
NLH Power Purchases: <sup>6</sup>	90 MW	Tuesday, May 02, 2017	-2	-1	1,275
Other Island Generation:	220 MW	Wednesday, May 03, 2017	6	6	1,080
Current St. John's Temperature:	6 °C	Thursday, May 04, 2017	5	3	1,085
Current St. John's Windchill:	N/A °C	Friday, May 05, 2017	1	4	1,200
7-Day Island Peak Demand Forecast:	1,275 MW	Saturday, May 06, 2017	3	4	1,020

Supply Notes For April 30, 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.

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

Sat, Apr 29, 2017	Actual Island Peak Demand <sup>8</sup>	10:10	993 MW
Sun, Apr 30, 2017	Forecast Island Peak Demand		1,220 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).