

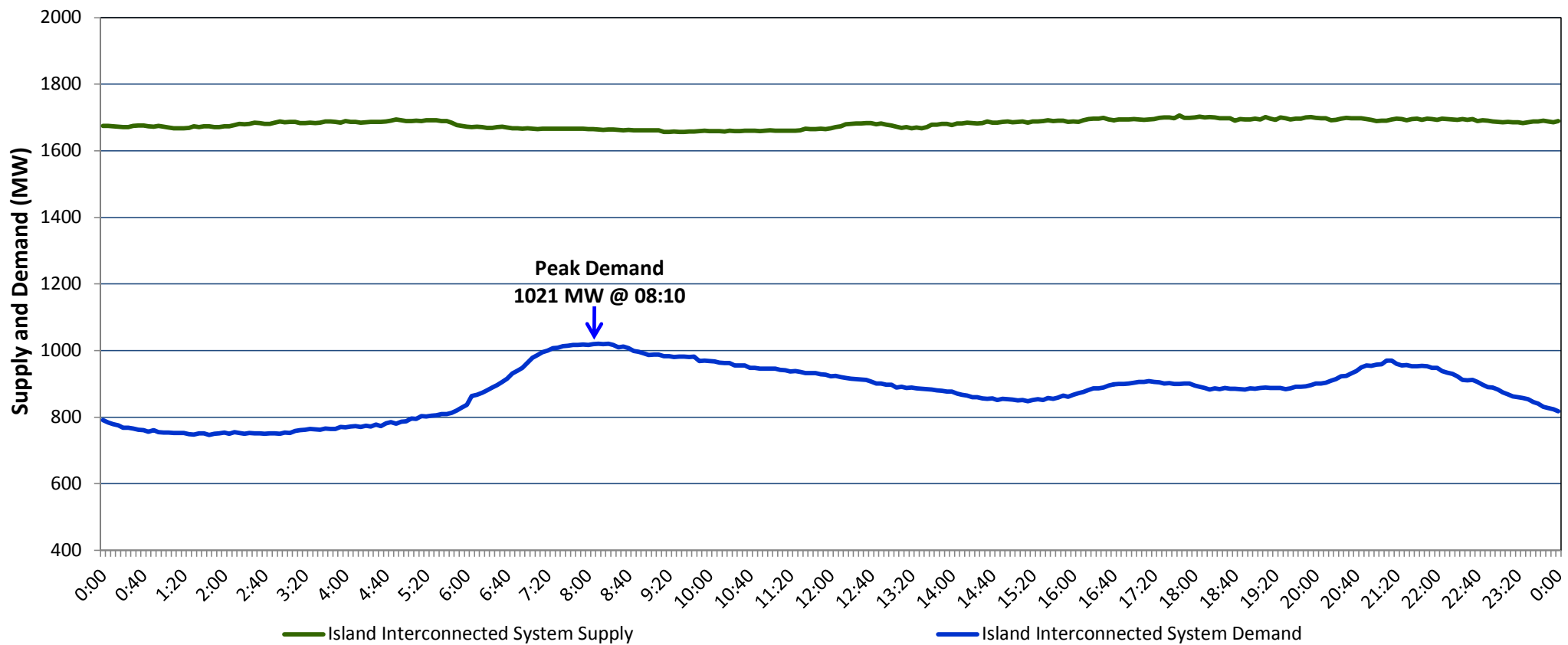
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Friday, May 05, 2017

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Thursday, May 04, 2017



Supply Notes For May 04, 2017

- 1,2
- A
- As of 1526 hours, April 03, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- B
- As of 1520 hours, April 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
- C
- As of 0855 hours, May 01, 2017, Holyrood Unit 2 unavailable 165 MW (170 MW).
- D
- As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76. 5 MW).
- E
- At 0900 hours, May 04, 2017, Holyrood Unit 1 available at 120 MW (170 MW).

Section 2

Island Interconnected Supply and Demand

Fri, May 05, 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>	1,680	MW	Friday, May 05, 2017	2	2	1,110	
NLH Generation: <sup>4</sup>	1,370	MW	Saturday, May 06, 2017	1	1	1,080	
NLH Power Purchases: <sup>6</sup>	110	MW	Sunday, May 07, 2017	1	5	1,065	
Other Island Generation:	200	MW	Monday, May 08, 2017	3	3	1,050	
Current St. John's Temperature:	3	°C	Tuesday, May 09, 2017	4	3	1,070	
Current St. John's Windchill:	N/A	°C	Wednesday, May 10, 2017	5	5	1,045	
7-Day Island Peak Demand Forecast:	1,110	MW	Thursday, May 11, 2017	4	4	1,045	

Supply Notes For May 05, 2017

- 3
- 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.

Section 3

Island Peak Demand Information

Previous Day Actual Peak and Current Day Forecast Peak

Thu, May 04, 2017	Actual Island Peak Demand <sup>8</sup>	08:10	1,021 MW
Fri, May 05, 2017	Forecast Island Peak Demand		1,110 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).