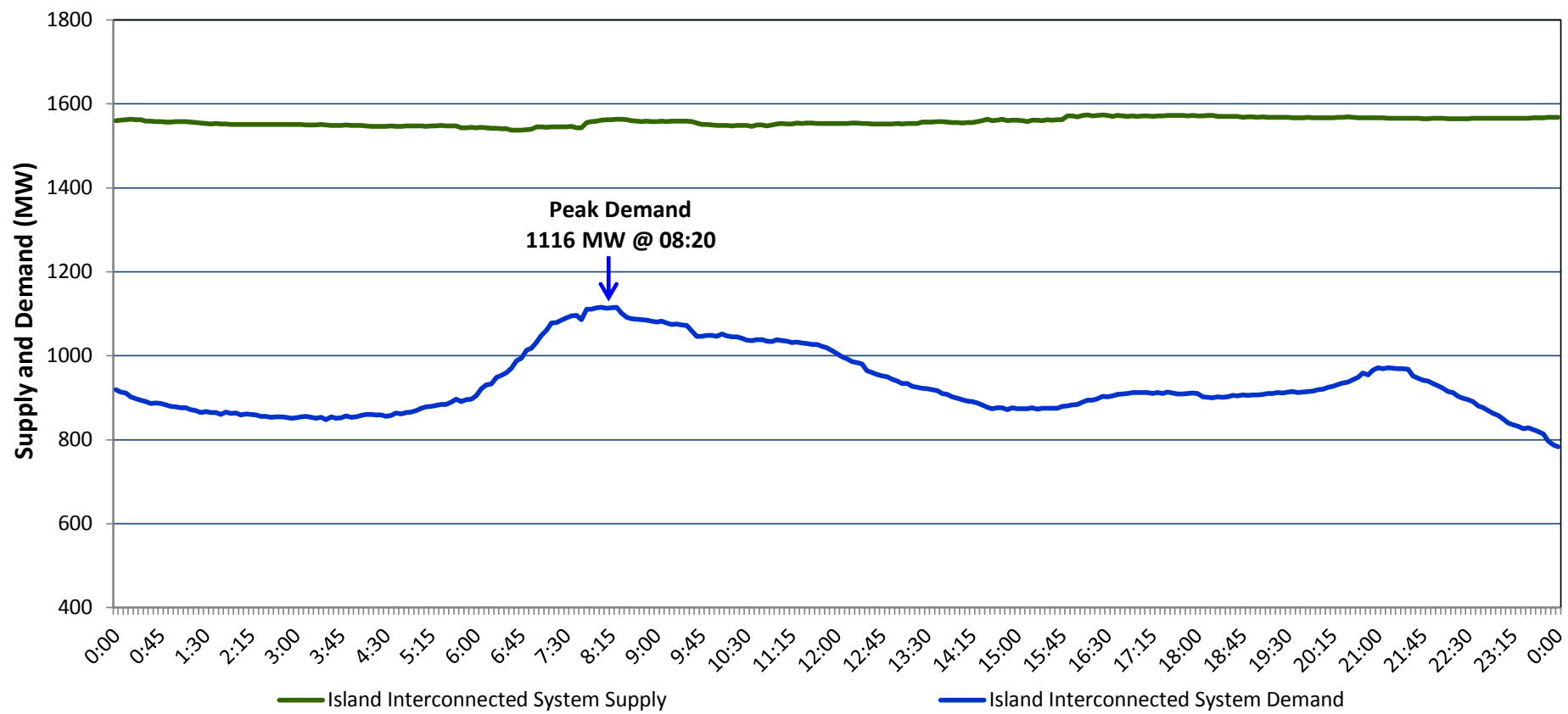


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, May 05, 2016**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Wednesday, May 04, 2016**



Supply Notes For May 04, 2016

- 1,2
- A As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
 - B As of 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.
 - C As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
 - D As of 1335 hours, April 02, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).
 - E As of 0848 hours, April 03, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
 - F As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
 - G As of 1400 hours, April 24, 2016, Bay d'Espoir Unit 5 unavailable (76.5 MW).
 - H As of 1433 hours, April 24, 2016, Paradise River Unit unavailable (8 MW).
 - I As of 2209 hours, April 30, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
 - J At 0835 hours, May 04, 2016, St. Anthony Diesel Plant G6 (unit 544) unavailable (2 MW).
 - K At 0835 hours, May 04, 2016, St. Anthony Diesel Plant G8 (unit 229) unavailable (1 MW).
 - L At 1520 hours, May 04, 2016, St. Anthony Diesel Plant G8 (unit 229) available (1 MW).

**Section 2
Island Interconnected Supply and Demand**

| Thu, May 05, 2016 | Island System Outlook ³ | Seven-Day Forecast | Temperature (°C) | | Island System Daily Peak Demand (MW) Forecast |
|--|------------------------------------|-------------------------|------------------|---------|--|
| | | | Morning | Evening | |
| Available Island System Supply: ⁵ | 1,570 MW | Thursday, May 05, 2016 | 2 | 1 | 1,085 |
| NLH Generation: ⁴ | 1,245 MW | Friday, May 06, 2016 | 2 | 12 | 1,125 |
| NLH Power Purchases: ⁶ | 120 MW | Saturday, May 07, 2016 | 9 | 15 | 875 |
| Other Island Generation: | 205 MW | Sunday, May 08, 2016 | 13 | 11 | 805 |
| Current St. John's Temperature: | 2 °C | Monday, May 09, 2016 | 12 | 6 | 885 |
| Current St. John's Windchill: | N/A °C | Tuesday, May 10, 2016 | 5 | 6 | 1,030 |
| 7-Day Island Peak Demand Forecast: | 1,125 MW | Wednesday, May 11, 2016 | 6 | 5 | 990 |

Supply Notes For May 05, 2016

- 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**

| | | | |
|-------------------|--|-------|----------|
| Wed, May 04, 2016 | Actual Island Peak Demand ⁸ | 08:20 | 1,116 MW |
| Thu, May 05, 2016 | Forecast Island Peak Demand | | 1,085 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).