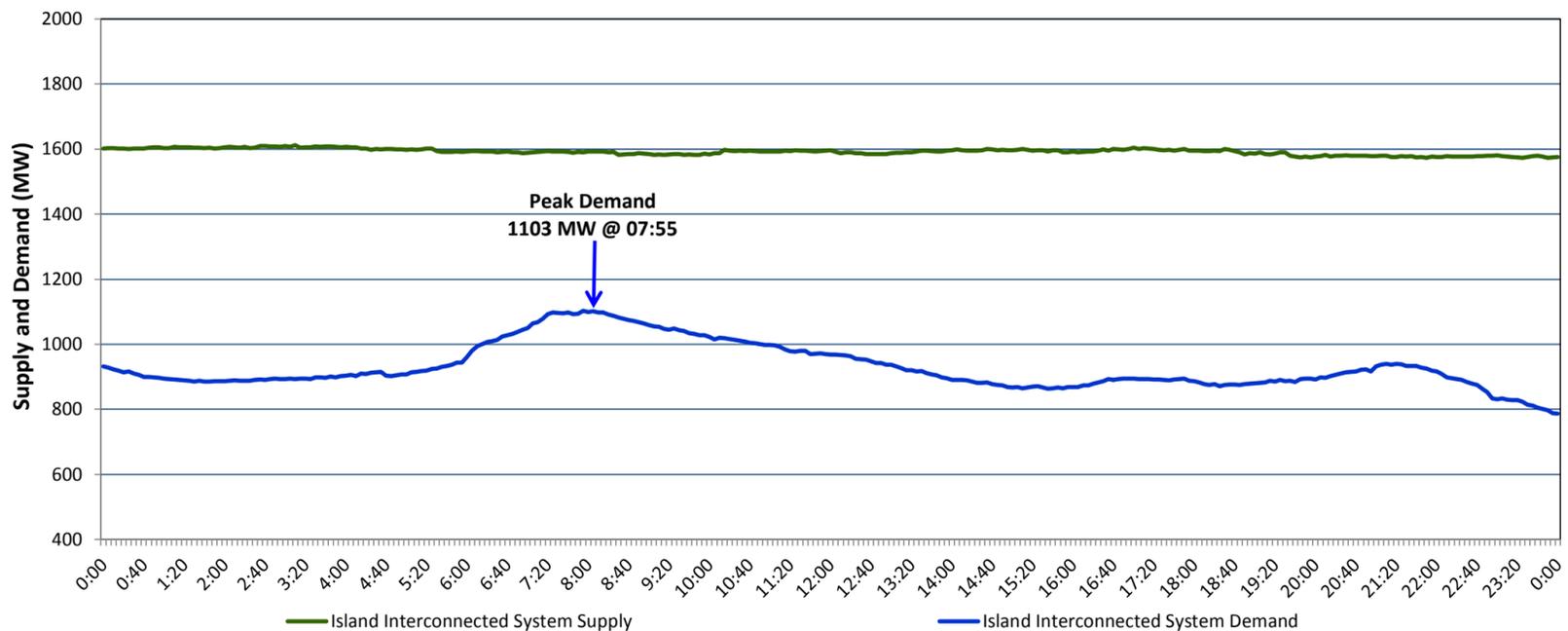


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, May 24, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, May 23, 2017**



Supply Notes For May 23, 2017

- 1,2
- A As of 0855 hours, May 01, 2017, Holyrood Unit 2 unavailable 165 MW (170 MW).
 - B As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
 - C As of 1510 hours, May 07, 2017, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
 - D As of 0830 hours, May 09, 2017, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
 - E As of 0750 hours, May 10, 2017, Holyrood Unit 3 available at 147 MW (150 MW).
 - F As of 1300 hours, May 16, 2017, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
 - G As of 1544 hours, May 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
 - H At 0826 hours, May 23, 2017, Holyrood Unit 1 available at 110 MW (170 MW).
 - I At 1848 hours, May 23, 2017, Paradise River Unit unavailable (8 MW).

**Section 2
Island Interconnected Supply and Demand**

| Wed, May 24, 2017 | Island System Outlook ³ | Seven-Day Forecast | Temperature (°C) | | Island System Daily Peak Demand (MW) Forecast |
|----------------------------------------------|------------------------------------|-------------------------|------------------|---------|--------------------------------------------------|
| | | | Morning | Evening | |
| Available Island System Supply: ⁵ | 1,580 MW | Wednesday, May 24, 2017 | 5 | 6 | 1,025 |
| NLH Generation: ⁴ | 1,245 MW | Thursday, May 25, 2017 | 3 | 1 | 1,080 |
| NLH Power Purchases: ⁶ | 135 MW | Friday, May 26, 2017 | 1 | 2 | 1,055 |
| Other Island Generation: | 200 MW | Saturday, May 27, 2017 | 2 | 1 | 1,115 |
| Current St. John's Temperature: | 7 °C | Sunday, May 28, 2017 | 2 | 7 | 990 |
| Current St. John's Windchill: | N/A °C | Monday, May 29, 2017 | 8 | 7 | 900 |
| 7-Day Island Peak Demand Forecast: | 1,115 MW | Tuesday, May 30, 2017 | 5 | 4 | 995 |

Supply Notes For May 24, 2017

- 3
- 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**

| | | | |
|-------------------|----------------------------------------|-------|----------|
| Tue, May 23, 2017 | Actual Island Peak Demand ⁸ | 07:55 | 1,103 MW |
| Wed, May 24, 2017 | Forecast Island Peak Demand | | 1,025 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).