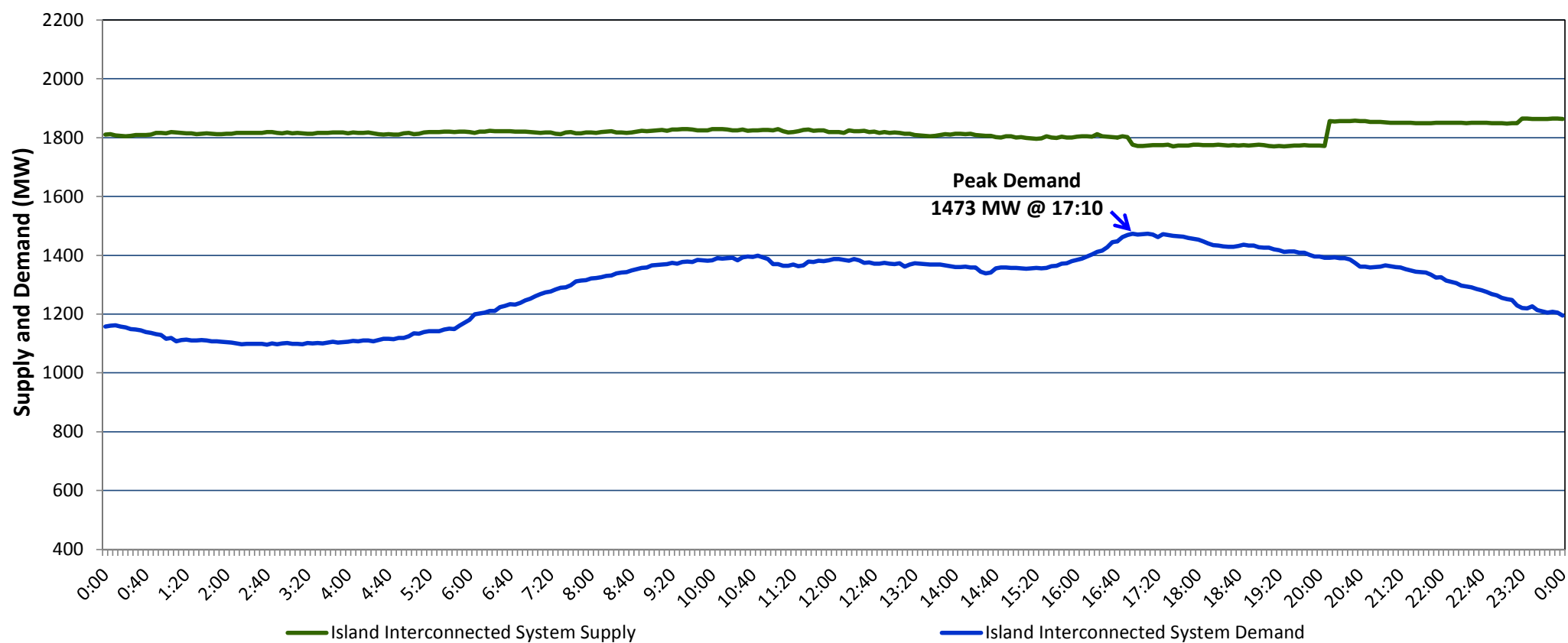


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, January 02, 2018**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Friday, December 29, 2017**



Supply Notes For December 29, 2017

- ^{1,2}
- A As of 1610 hours, December 19, 2017, Holyrood Unit 2 available at 160 MW (170 MW).
 B As of 1546 hours, December 27, 2017, Holyrood Unit 3 available at 105 MW (150 MW).
 C As of 1052 hours, December 28, 2017, Stephenville Gas Turbine available at 25 (50 MW).
 D At 1652 hours, December 29, 2017, Hardwoods Gas Turbine available at 25 MW (50 MW).
 E At 2007 hours, December 29, 2017, Upper Salmon Unit available (84 MW).
 F At 2319 hours, December 29, 2017, Holyrood Unit 1 available at 150 MW (170 MW).

**Section 2
Island Interconnected Supply and Demand**

| Sat, Dec 30, 2017 | Island System Outlook ³ | Seven-Day Forecast | Temperature (°C) | | Island System Daily Peak Demand (MW) | |
|--|------------------------------------|-----------------------------|------------------|---------|--------------------------------------|-----------------------|
| | | | Morning | Evening | Forecast | Adjusted ⁷ |
| Available Island System Supply: ⁵ | 1,815 MW | Saturday, December 30, 2017 | -6 | -2 | 1,470 | 1,362 |
| NLH Generation: ⁴ | 1,530 MW | Sunday, December 31, 2017 | -6 | -1 | 1,525 | 1,416 |
| NLH Power Purchases: ⁶ | 85 MW | Monday, January 01, 2018 | -5 | -3 | 1,500 | 1,391 |
| Other Island Generation: | 200 MW | Tuesday, January 02, 2018 | -7 | -5 | 1,540 | 1,431 |
| Current St. John's Temperature: | -7 °C | Wednesday, January 03, 2018 | -3 | -5 | 1,545 | 1,436 |
| Current St. John's Windchill: | -10 °C | Thursday, January 04, 2018 | -5 | -2 | 1,460 | 1,352 |
| 7-Day Island Peak Demand Forecast: | 1,545 MW | Friday, January 05, 2018 | 6 | 1 | 1,380 | 1,273 |

Supply Notes For December 30, 2017

- ³
- G At 0447 hours, December 30, 2017, Granite Canal Unit unavailable (40 MW).

- 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, Wind Generation, Vale capacity assistance and Maritime Link Import (when applicable).
 7. Adjusted for CBP&P and Vale and Praxair interruptible load, the impact of voltage reduction and Maritime Link Exports (when applicable).

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

| | | | |
|-------------------|--|-------|----------|
| Fri, Dec 29, 2017 | Actual Island Peak Demand ⁸ | 17:10 | 1,473 MW |
| Sat, Dec 30, 2017 | Forecast Island Peak Demand | | 1,470 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).