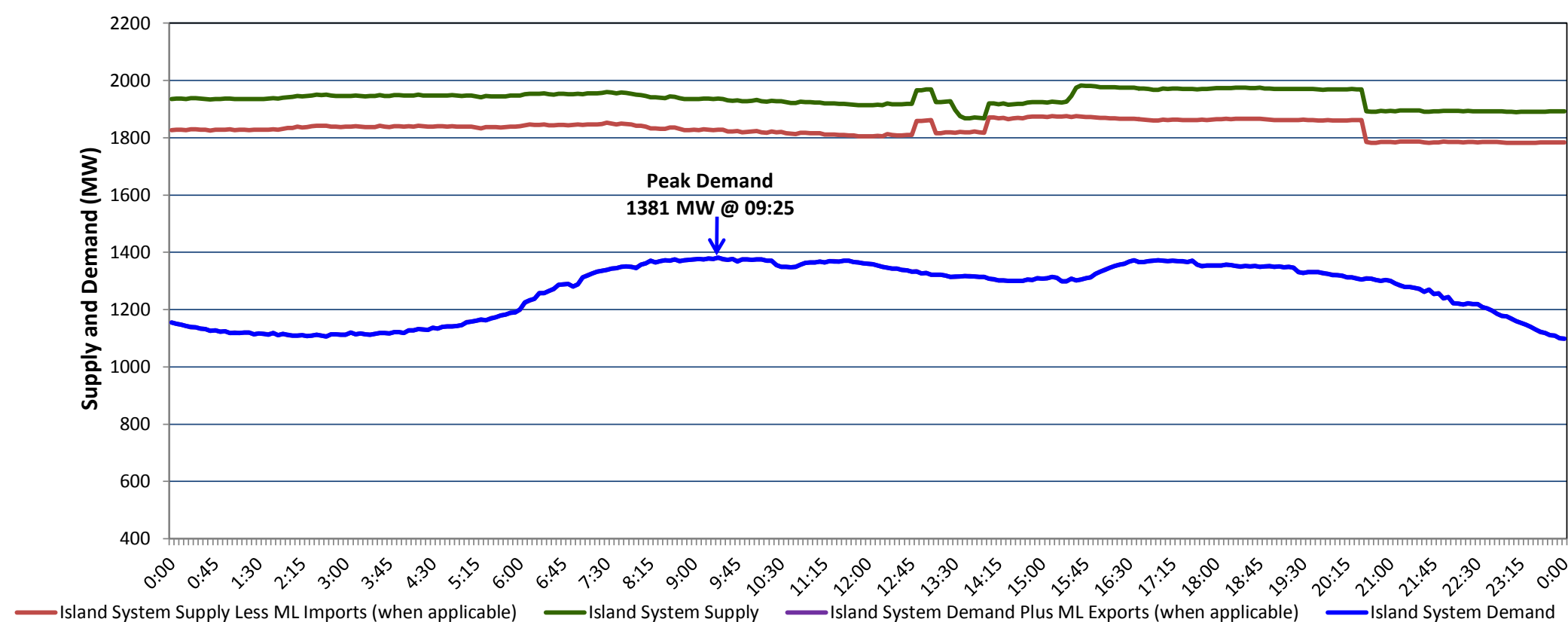


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, February 28, 2018**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, February 27, 2018**



**Supply Notes For February 27, 2018**

- 1,2
- A As of 2115 hours, January 04, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
  - B As of 0835 hours, February 25, 2018, Holyrood Unit 3 available at 105 MW (150 MW).
  - C As of 0833 hours, February 26, 2018, Holyrood Unit 2 available at 100 MW (170 MW).
  - D At 0811 hours, February 27, 2018, Holyrood Unit 1 available at 145 MW (170 MW).
  - E At 1245 hours, February 27, 2018, Hardwoods Gas Turbine available (50 MW).
  - F At 1310 hours, February 27, 2018, Hardwoods Gas Turbine unavailable (50 MW).
  - G At 1402 hours, February 27, 2018, Hardwoods Gas Turbine available (50 MW).
  - H At 2030 hours, February 27, 2018, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

| Wed, Feb 28, 2018                            | Island System Outlook <sup>3</sup> | Seven-Day Forecast           | Temperature (°C) |         | Island System Daily Peak Demand (MW) |                       |
|--|------------------------------------|------------------------------|------------------|---------|--------------------------------------|-----------------------|
|  |                                    |                              | Morning          | Evening | Forecast                             | Adjusted <sup>7</sup> |
| Available Island System Supply: <sup>5</sup> | 1,993 MW                           | Wednesday, February 28, 2018 | -2               | -1      | 1,360                                | 1,233                 |
| NLH Generation: <sup>4</sup>                 | 1,450 MW                           | Thursday, March 01, 2018     | -2               | 2       | 1,360                                | 1,209                 |
| NLH Power Purchases: <sup>6</sup>            | 225 MW                             | Friday, March 02, 2018       | 1                | 0       | 1,280                                | 1,174                 |
| Maritime Link Imports:                       | 108 MW                             | Saturday, March 03, 2018     | 0                | -1      | 1,305                                | 1,199                 |
| Other Island Generation:                     | 210 MW                             | Sunday, March 04, 2018       | 0                | 0       | 1,285                                | 1,179                 |
| Current St. John's Temperature & Windchill:  | -3 °C                              | Monday, March 05, 2018       | -1               | -1      | 1,305                                | 1,189                 |
| 7-Day Island Peak Demand Forecast:           | 1,360 MW                           | Tuesday, March 06, 2018      | -2               | -2      | 1,315                                | 1,209                 |

**Supply Notes For February 28, 2018**

- 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 System having no synchronous connections to 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, Wind Generation, Vale capacity assistance (when applicable).
  - Adjusted for CBP&P, Vale and Praxair interruptible load, Maritime Link Exports and the impact of voltage reduction (when applicable).

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

|                   |  |       |          |
|-------------------|--|-------|----------|
| Tue, Feb 27, 2018 | Actual Island Peak Demand <sup>8</sup> | 09:25 | 1,381 MW |
| Wed, Feb 28, 2018 | Forecast Island Peak Demand            |       | 1,360 MW |

- Notes: 8. Island Demand / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).