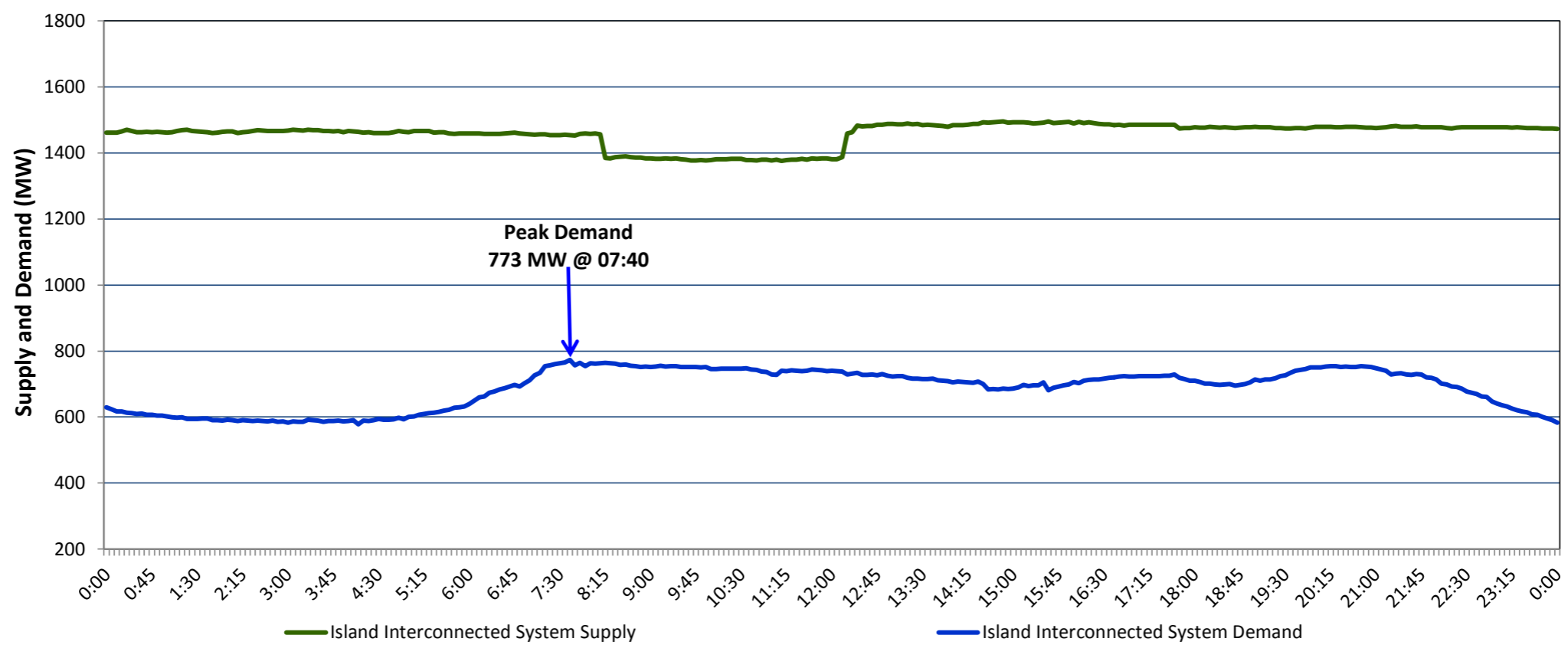


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, September 15, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Thursday, September 14, 2017**



Supply Notes For September 14, 2017

- 1,2
- A As of 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
 - B As of 0938 hours, June 23, 2017, Holyrood Unit 1 unavailable due to planned outage 120 MW (170 MW).
 - C As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
 - D As of 0828 hours, August 27, 2017, Bay d'Espoir Unit 7 unavailable due to planned outage (154.4 MW).
 - E As of 1704 hours, August 31, 2017, Hardwoods Gas Turbine available at 25 MW (50 MW).
 - F As of 1624 hours, September 03, 2017, Hawke's Bay Diesel Plant available at 2.5 MW due to a planned outage (5 MW).
 - G At 0814 hours, September 14, 2017, Hinds Lake Unit unavailable due to planned outage (75 MW).
 - H At 1215 hours, September 14, 2017, Hinds Lake Unit available (75 MW).

**Section 2
Island Interconnected Supply and Demand**

| Fri, Sep 15, 2017 | Island System Outlook ³ | Seven-Day Forecast | Temperature (°C) | | Island System Daily Peak Demand (MW) Forecast |
|----------------------------------------------|------------------------------------|-------------------------------|------------------|---------|--------------------------------------------------|
| | | | Morning | Evening | |
| Available Island System Supply: ⁵ | 1,425 MW | Friday, September 15, 2017 | 14 | 13 | 795 |
| NLH Generation: ⁴ | 1,145 MW | Saturday, September 16, 2017 | 14 | 14 | 800 |
| NLH Power Purchases: ⁶ | 90 MW | Sunday, September 17, 2017 | 10 | 9 | 835 |
| Other Island Generation: | 190 MW | Monday, September 18, 2017 | 10 | 9 | 850 |
| Current St. John's Temperature: | 13 °C | Tuesday, September 19, 2017 | 10 | 11 | 860 |
| Current St. John's Windchill: | N/A °C | Wednesday, September 20, 2017 | 13 | 14 | 900 |
| 7-Day Island Peak Demand Forecast: | 945 MW | Thursday, September 21, 2017 | 12 | 8 | 945 |

Supply Notes For September 15, 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, Sep 14, 2017 | Actual Island Peak Demand ⁸ | 07:40 | 773 MW |
| Fri, Sep 15, 2017 | Forecast Island Peak Demand | | 795 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).