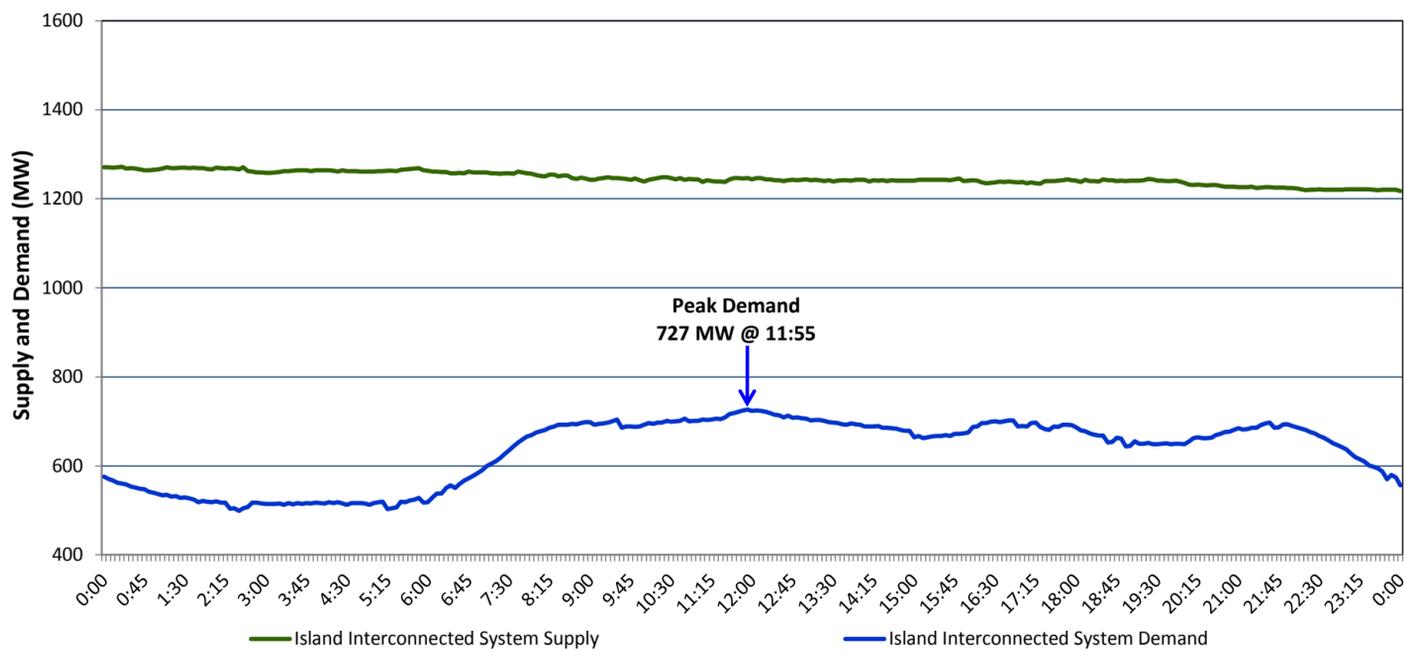


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, July 06, 2016**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, July 05, 2016**



Supply Notes For July 05, 2016

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- 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 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
- C As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
- D As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 3 unavailable (76.5 MW).
- E As of 0822 hours, June 05, 2016, Bay d'Espoir Unit 4 unavailable (76.5 MW).
- F As of 2008 hours, June 06, 2016, Stephenville Gas Turbine End B unavailable (25 MW).
- G As of 2315 hours, June 08, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
- H As of 1411 hours, June 09, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.
- I As of 1425 hours, June 16, 2016, Holyrood Unit 2 unavailable. Previously derated to 120 MW (170 MW).
- J As of 0833 hours, June 30, 2016, Bay d'Espoir Unit 7 unavailable (154.4 MW).
- K As of 1000 hours, June 30, 2016, Nalcor Exploits Grand Falls Unit 4 (30 MW) unavailable. Net impact to the Island Interconnected System is 7 MW.

**Section 2
Island Interconnected Supply and Demand**

| Wed, Jul 06, 2016 | Island System Outlook ³ | Seven-Day Forecast | Temperature (°C) | | Island System Daily Peak Demand (MW) Forecast |
|--|------------------------------------|--------------------------|------------------|---------|--|
| | | | Morning | Evening | |
| Available Island System Supply: ⁵ | 1,240 MW | Wednesday, July 06, 2016 | 9 | 8 | 860 |
| NLH Generation: ⁴ | 955 MW | Thursday, July 07, 2016 | 7 | 8 | 905 |
| NLH Power Purchases: ⁶ | 85 MW | Friday, July 08, 2016 | 7 | 8 | 840 |
| Other Island Generation: | 200 MW | Saturday, July 09, 2016 | 8 | 8 | 775 |
| Current St. John's Temperature: | 8 °C | Sunday, July 10, 2016 | 9 | 10 | 790 |
| Current St. John's Windchill: | N/A °C | Monday, July 11, 2016 | 10 | 13 | 790 |
| 7-Day Island Peak Demand Forecast: | 905 MW | Tuesday, July 12, 2016 | 16 | 14 | 790 |

Supply Notes For July 06, 2016

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- 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**

| | | | |
|-------------------|--|-------|--------|
| Tue, Jul 05, 2016 | Actual Island Peak Demand ⁸ | 11:55 | 727 MW |
| Wed, Jul 06, 2016 | Forecast Island Peak Demand | | 860 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).