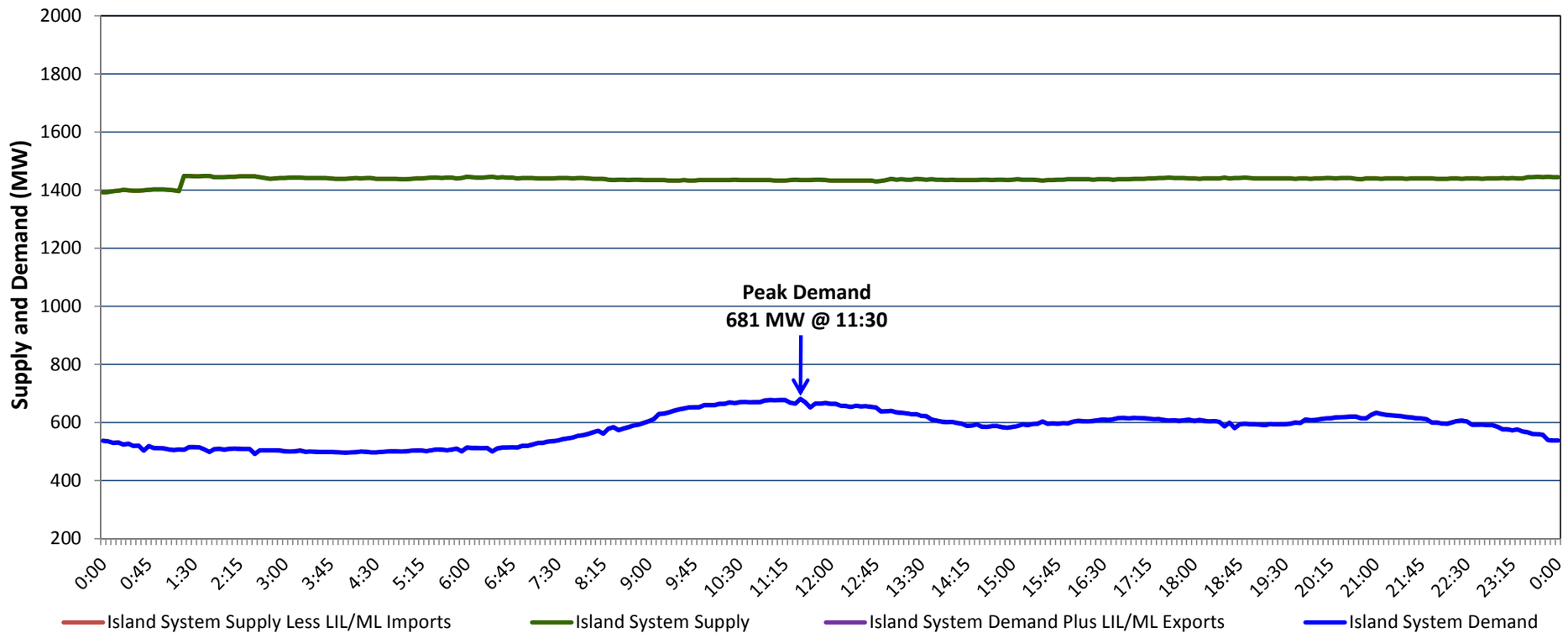
# Newfoundland Labrador Hydro (NLH)
# Supply and Demand Status Report Filed Tuesday, September 08, 2020

## Section 1
## Island Interconnected System Supply, Demand & Exports
## Actual 24 Hour System Performance For Sunday, September 06, 2020




**Supply Notes For September 06, 2020** [1,2]

| | |
|---|---|
| A | As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW). |
| B | As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW). |
| C | As of 1009 hours, August 23, 2020, Upper Salmon Unit unavailable due to planned outage (84 MW). |
| D | As of 1811 hours, September 02, 2020, Holyrood Unit 1 available but not operating (170 MW). |
| E | At 0117 hours, September 06, 2020, Stephenville Gas Turbine available (50 MW). |

## Section 2
## Island Interconnected Supply and Demand

| Mon, Sep 07, 2020 | Island System Outlook[3] | | |
|---|---|---|---|
| Available Island System Supply:[5] | **1,435** | **MW** | |
| NLH Island Generation:[4] | 1,120 | MW | |
| NLH Island Power Purchases:[6] | 95 | MW | |
| Other Island Generation: | 220 | MW | |
| ML/LIL Imports: | - | MW | |
| Current St. John's Temperature & Windchill: 13 °C | N/A | °C | |
| 7-Day Island Peak Demand Forecast: | **750** | MW | |

| Seven-Day Forecast | Temperature (°C) Morning | Evening | Island System Daily Peak Demand (MW) Forecast | Adjusted[7] |
|---|---|---|---|---|
| Monday, September 07, 2020 | 15 | 14 | **705** | **705** |
| Tuesday, September 08, 2020 | 15 | 17 | 715 | 715 |
| Wednesday, September 09, 2020 | 19 | 20 | 690 | 690 |
| Thursday, September 10, 2020 | 19 | 15 | 750 | 750 |
| Friday, September 11, 2020 | 19 | 13 | 750 | 750 |
| Saturday, September 12, 2020 | 10 | 11 | 730 | 730 |
| Sunday, September 13, 2020 | 12 | 12 | 720 | 720 |

**Supply Notes For September 07, 2020** [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 system having no synchronous connections to the larger North American grid, when there is a sudden loss of large generating units there may be a requirement for some customer's load to 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 (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
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 Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
7. Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

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

| | | | |
|---|---|---|---|
| Sun, Sep 06, 2020 | Actual Island Peak Demand[8] | 11:30 | 681 MW |
| Mon, Sep 07, 2020 | Forecast Island Peak Demand | | 705 MW |

Notes: 8. Island Demand / LIL / 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).