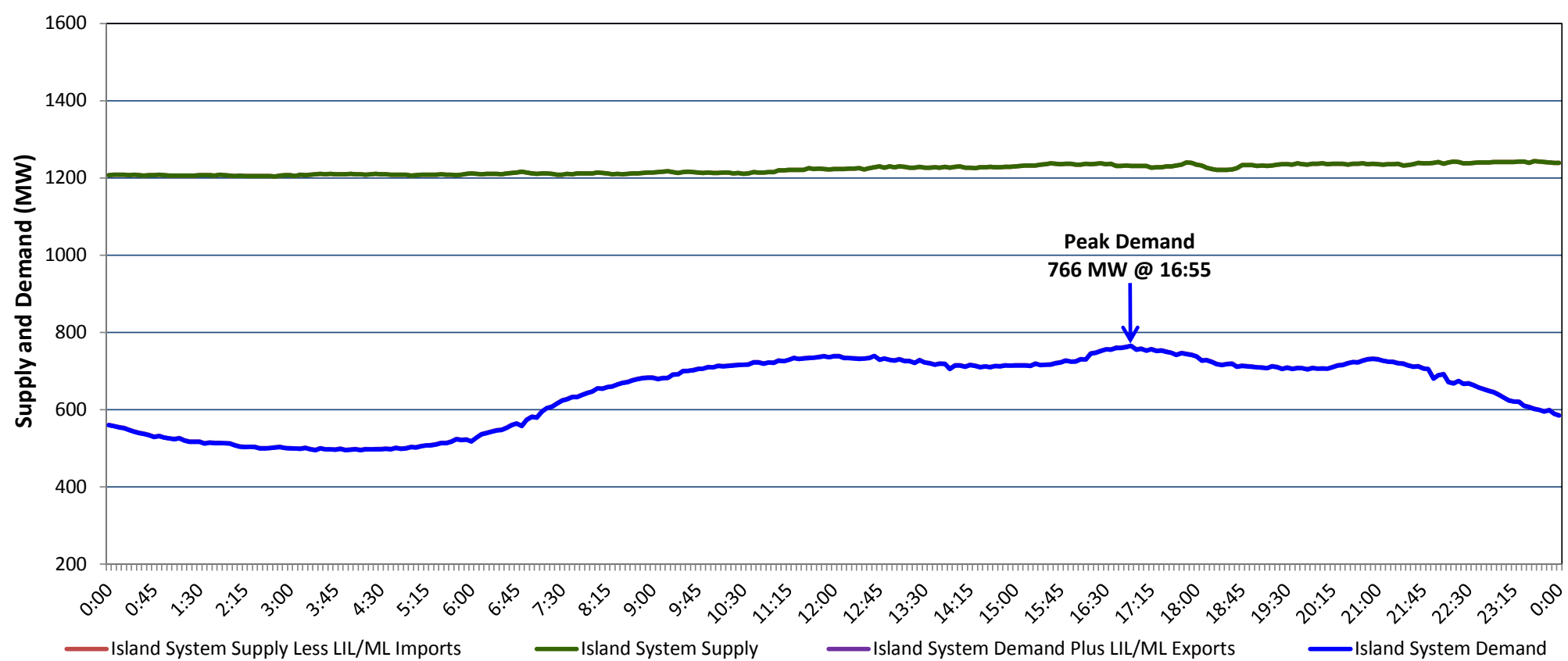


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, August 21, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, August 20, 2019**



Supply Notes For August 20, 2019

- A As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
- B As of 0800 hours, June 17, 2019, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- C As of 1457 hours, June 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- E As of 0800 hours, July 29, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- F As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).

**Section 2
Island Interconnected Supply and Demand**

| Wed, Aug 21, 2019 | 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 | 1,230 MW | Wednesday, August 21, 2019 | 19 | 21 | 765 | 765 |
| NLH Island Generation: ⁴ | 950 MW | Thursday, August 22, 2019 | 18 | 18 | 810 | 810 |
| NLH Island Power Purchases: ⁶ | 85 MW | Friday, August 23, 2019 | 19 | 20 | 795 | 795 |
| Other Island Generation: | 195 MW | Saturday, August 24, 2019 | 17 | 13 | 770 | 770 |
| ML/LIL Imports: | - | Sunday, August 25, 2019 | 10 | 10 | 800 | 800 |
| Current St. John's Temperature & Windchill: | 16 °C | Monday, August 26, 2019 | 13 | 14 | 850 | 850 |
| 7-Day Island Peak Demand Forecast: | 850 MW | Tuesday, August 27, 2019 | 18 | 19 | 790 | 790 |

Supply Notes For August 21, 2019

- 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**

| | | | |
|-------------------|--|-------|--------|
| Tue, Aug 20, 2019 | Actual Island Peak Demand ⁸ | 16:55 | 766 MW |
| Wed, Aug 21, 2019 | Forecast Island Peak Demand | | 765 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).