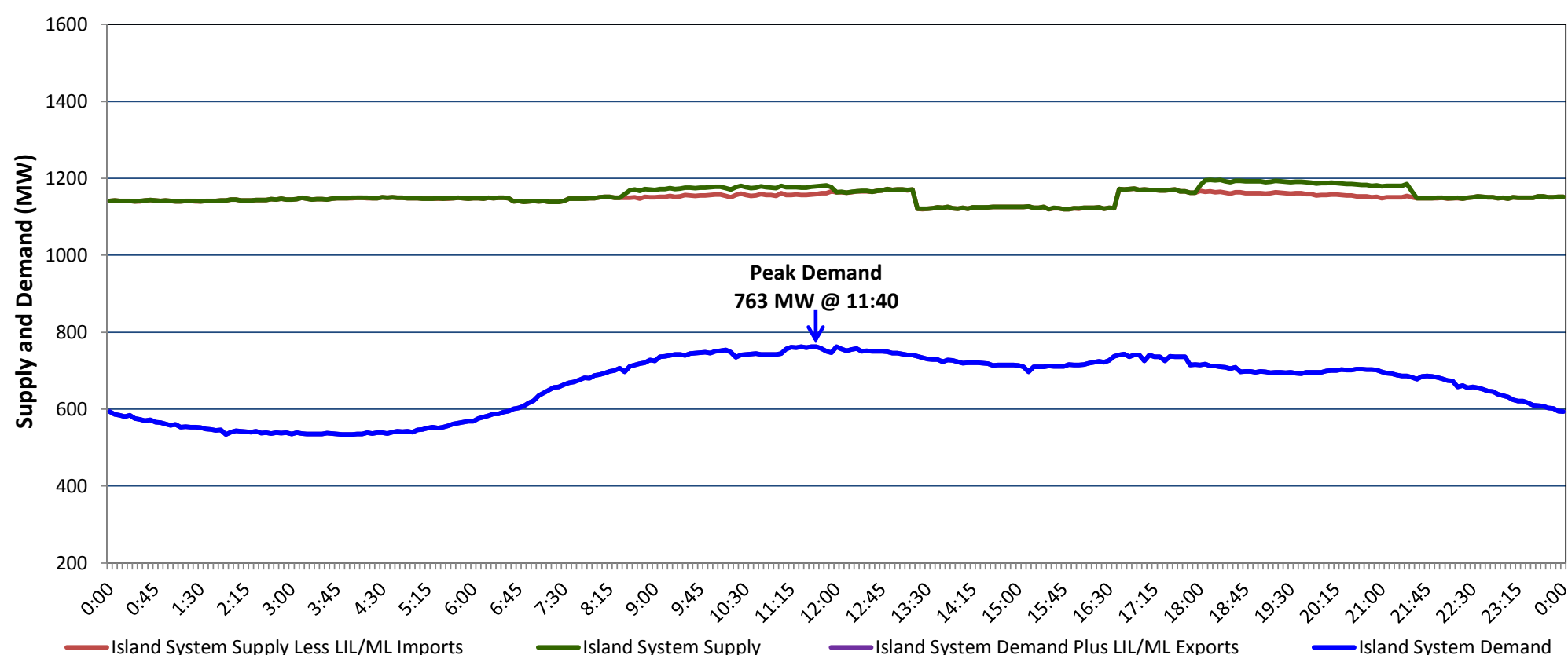


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, September 03, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Friday, August 30, 2019**



Supply Notes For August 30, 2019

- 1,2
- 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 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
 - D As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
 - E As of 1800 hours, August 22, 2019, Holyrood Unit 3 available but offline for economic dispatch (150 MW).
 - F As of 2308 hours, August 24, 2019, Bay d'Espoir Unit 6 unavailable (76.5 MW).
 - G As of 1300 hours, August 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
 - H **At 1319 hours, August 30, 2019, Hardwoods Gas Turbine unavailable (50 MW).**
 - I **At 1640 hours, August 30, 2019, Hardwoods Gas Turbine available (50 MW).**

**Section 2
Island Interconnected Supply and Demand**

| Sat, Aug 31, 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 | 1,140 MW | Saturday, August 31, 2019 | 19 | 19 | 745 | 745 |
| NLH Island Generation: ⁴ | 870 MW | Sunday, September 01, 2019 | 16 | 15 | 760 | 760 |
| NLH Island Power Purchases: ⁶ | 70 MW | Monday, September 02, 2019 | 13 | 14 | 815 | 815 |
| Other Island Generation: | 200 MW | Tuesday, September 03, 2019 | 14 | 16 | 815 | 815 |
| ML/LIL Imports: | - MW | Wednesday, September 04, 2019 | 17 | 16 | 790 | 790 |
| Current St. John's Temperature & Windchill: 17 °C | N/A °C | Thursday, September 05, 2019 | 18 | 17 | 800 | 800 |
| 7-Day Island Peak Demand Forecast: | 835 MW | Friday, September 06, 2019 | 13 | 14 | 835 | 835 |

Supply Notes For August 31, 2019

- 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**

| | | | |
|-------------------|--|-------|--------|
| Fri, Aug 30, 2019 | Actual Island Peak Demand ⁸ | 11:40 | 763 MW |
| Sat, Aug 31, 2019 | Forecast Island Peak Demand | | 745 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).