

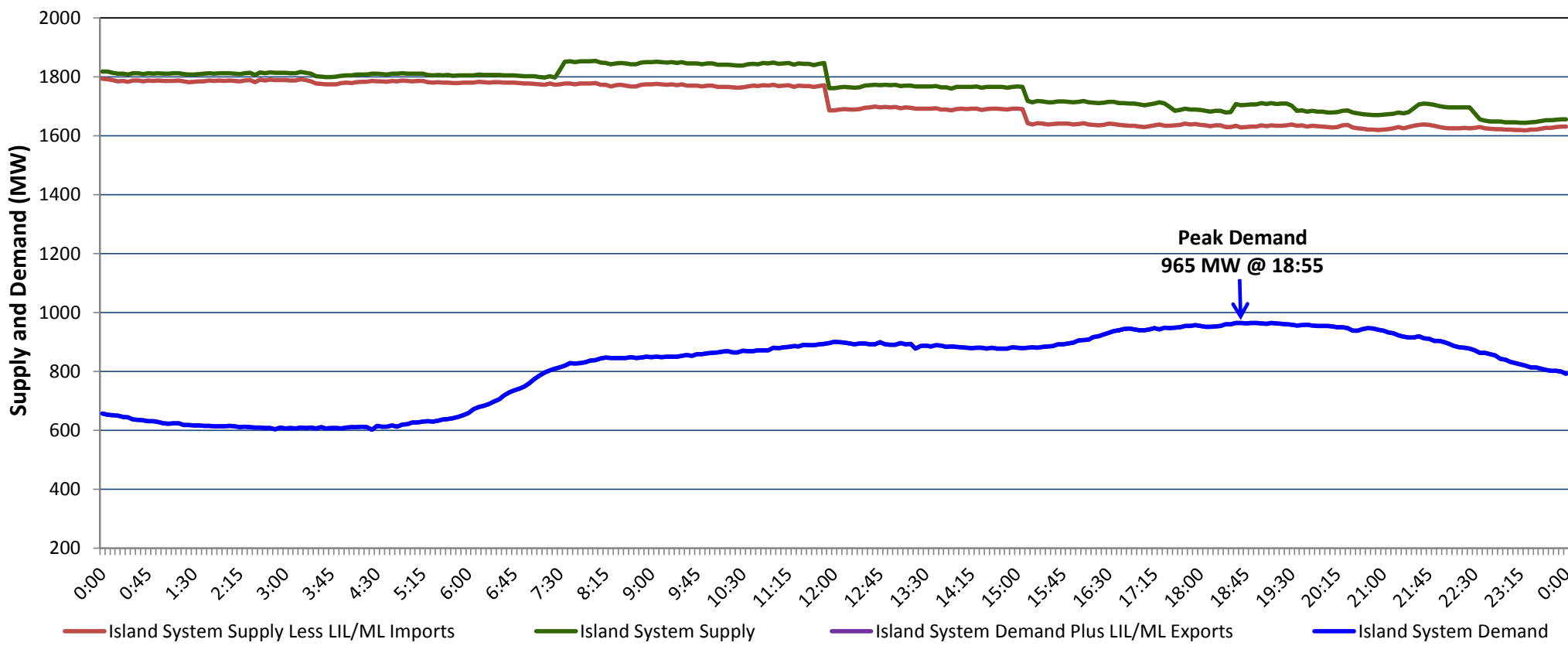
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Tuesday, October 23, 2018

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Monday, October 22, 2018



Supply Notes For October 22, 2018

- A As of 1623 hours, September 28, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).
- B As of 1616 hours, October 18, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
- C As f 0837 hours, October 21, 2018, Holyrood Unit 1 available at 140 MW (170 MW).
- D At 1155 hours, October 22, 2018, Upper Salmon Unit unavailable due to planned outage (84 MW).
- E At 1506 hours, October 22, 2018, Hardwoods Gas Turbine unavailable (50 MW).

Section 2

Island Interconnected Supply and Demand

| Tue, Oct 23, 2018 | 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 | 1,665 | MW | | Tuesday, October 23, 2018 | 4 | 4 | 1,075 | 1,075 |
| NLH Island Generation: ⁴ | 1,355 | MW | | Wednesday, October 24, 2018 | 3 | 6 | 1,140 | 1,140 |
| NLH Island Power Purchases: ⁶ | 105 | MW | | Thursday, October 25, 2018 | 9 | 7 | 1,030 | 1,030 |
| Other Island Generation: | 205 | MW | | Friday, October 26, 2018 | 6 | 4 | 1,080 | 1,080 |
| ML/LIL Imports: | - | MW | | Saturday, October 27, 2018 | 4 | 3 | 1,085 | 1,085 |
| Current St. John's Temperature & Windchill: 2 °C | N/A | °C | | Sunday, October 28, 2018 | 4 | 5 | 1,085 | 1,085 |
| 7-Day Island Peak Demand Forecast: | 1,140 | MW | | Monday, October 29, 2018 | 9 | 16 | 975 | 975 |

Supply Notes For October 23, 2018

- Notes:
- 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.
 - 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 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.
 - As of 0800 Hours.
 - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 - Gross output from all Island sources (including Note 4).
 - NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
 - 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

| | | | |
|-------------------|--|-------|----------|
| Mon, Oct 22, 2018 | Actual Island Peak Demand ⁸ | 18:55 | 965 MW |
| Tue, Oct 23, 2018 | Forecast Island Peak Demand | | 1,075 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).