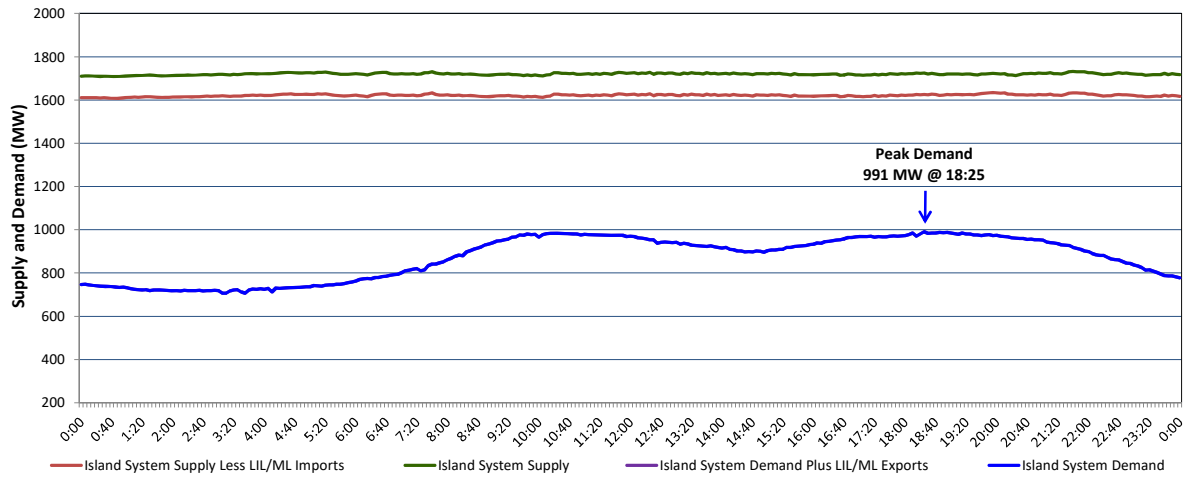


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, October 28, 2019

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Sunday, October 27, 2019



#### Supply Notes For October 27, 2019 <sup>1,2</sup>

- A As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
- B As of 0801 hours, September 29, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- C As of 0830 hours, October 04, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- D As of 1300 hours, October 14, 2019, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- E As of 1305 hours, October 24, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- F As of 1441 hours, October 25, 2019, Holyrood Unit 1 available at 150 MW (170 MW).
- G As of 2107 hours, October 25, 2019, Bay d'Espoir Unit 3 available 70 MW (76.5 MW).
- H As of 0643 hours, October 26, 2019, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).

### Section 2 Island Interconnected Supply and Demand

Mon, Oct 28, 2019	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>7</sup>
			Available Island System Supply: <sup>5</sup>	1,774 MW	Monday, October 28, 2019	5
NLH Island Generation: <sup>4</sup>	1,360 MW	Tuesday, October 29, 2019	6	5	1,100	1,100
NLH Island Power Purchases: <sup>5</sup>	105 MW	Wednesday, October 30, 2019	6	4	1,050	1,050
Other Island Generation:	210 MW	Thursday, October 31, 2019	6	8	965	965
ML/LIL Imports:	99 MW	Friday, November 1, 2019	10	13	945	945
Current St. John's Temperature & Windchill:	3 °C	Saturday, November 2, 2019	3	5	1,080	1,080
7-Day Island Peak Demand Forecast:	1,100 MW	Sunday, November 3, 2019	6	8	1,020	1,020

#### Supply Notes For October 28, 2019 <sup>3</sup>

- 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, Oct 27, 2019	Actual Island Peak Demand <sup>8</sup>	18:25	991 MW
Mon, Oct 28, 2019	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).