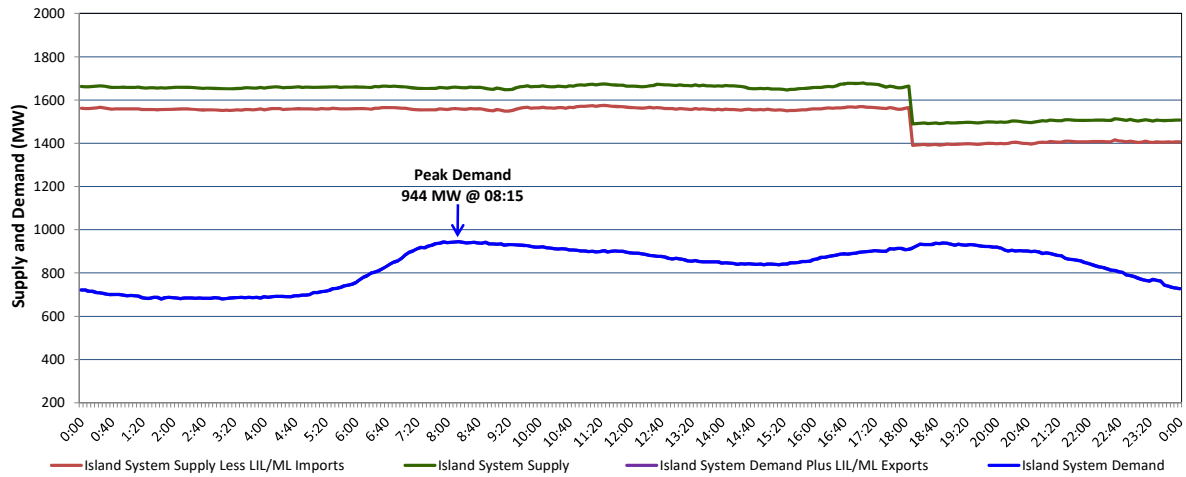


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Thursday, October 24, 2019

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Wednesday, October 23, 2019



#### Supply Notes For October 23, 2019 <sup>1,2</sup>

- A As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- B As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
- C As of 1300 hours, August 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 0801 hours, September 29, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- E As of 0830 hours, October 04, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- F As of 1300 hours, October 14, 2019, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- G As of 1408 hours, October 19, 2019, Bay d'Espoir Unit 3 available at 70MW (76.5 MW).
- H **At 1805 hours, October 23, 2019, Holyrood Unit 2 unavailable (170 MW).**

### Section 2 Island Interconnected Supply and Demand

Thu, Oct 24, 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>	1,519 MW	Thursday, October 24, 2019	7	9	980	980
NLH Island Generation: <sup>4</sup>	1,120 MW	Friday, October 25, 2019	8	9	935	935
NLH Island Power Purchases: <sup>5</sup>	105 MW	Saturday, October 26, 2019	5	4	995	995
Other Island Generation:	200 MW	Sunday, October 27, 2019	3	3	1,060	1,060
ML/LIL Imports:	94 MW	Monday, October 28, 2019	4	3	1,100	1,100
Current St. John's Temperature & Windchill:	7	Tuesday, October 29, 2019	3	4	1,055	1,055
7-Day Island Peak Demand Forecast:	1,100 MW	Wednesday, October 30, 2019	6	6	1,030	1,030

#### Supply Notes For October 24, 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

Wed, Oct 23, 2019	Actual Island Peak Demand <sup>8</sup>	8:15	944 MW
Thu, Oct 24, 2019	Forecast Island Peak Demand		980 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).