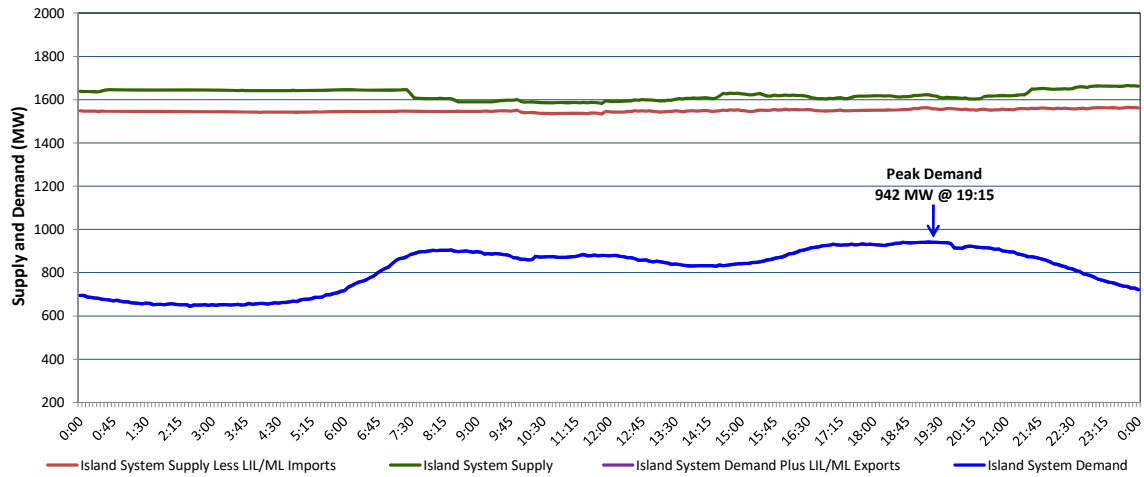


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, October 23, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, October 22, 2019**



**Supply Notes For October 22, 2019**

- 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 0959 hours, October 22, 2019, Paradise River Unit unavailable due to planned outage (8 MW).**
- I **At 1155 hours, October 22, 2019, Paradise River Unit available (8 MW).**

**Section 2  
Island Interconnected Supply and Demand**

Wed, Oct 23, 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>	1,679 MW	Wednesday, October 23, 2019	7	7	1,000	1,000
NLH Island Generation: <sup>4</sup>	1,290 MW	Thursday, October 24, 2019	7	9	985	985
NLH Island Power Purchases: <sup>6</sup>	80 MW	Friday, October 25, 2019	8	8	915	915
Other Island Generation:	210 MW	Saturday, October 26, 2019	7	5	980	980
ML/LIL Imports:	99 MW	Sunday, October 27, 2019	5	2	1,115	1,115
Current St. John's Temperature & Windchill:	5 N/A °C	Monday, October 28, 2019	4	3	1,110	1,110
7-Day Island Peak Demand Forecast:	1,115 MW	Tuesday, October 29, 2019	3	2	1,085	1,085

**Supply Notes For October 23, 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, Oct 22, 2019	Actual Island Peak Demand <sup>8</sup>	19:15	942 MW
Wed, Oct 23, 2019	Forecast Island Peak Demand		1,000 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).