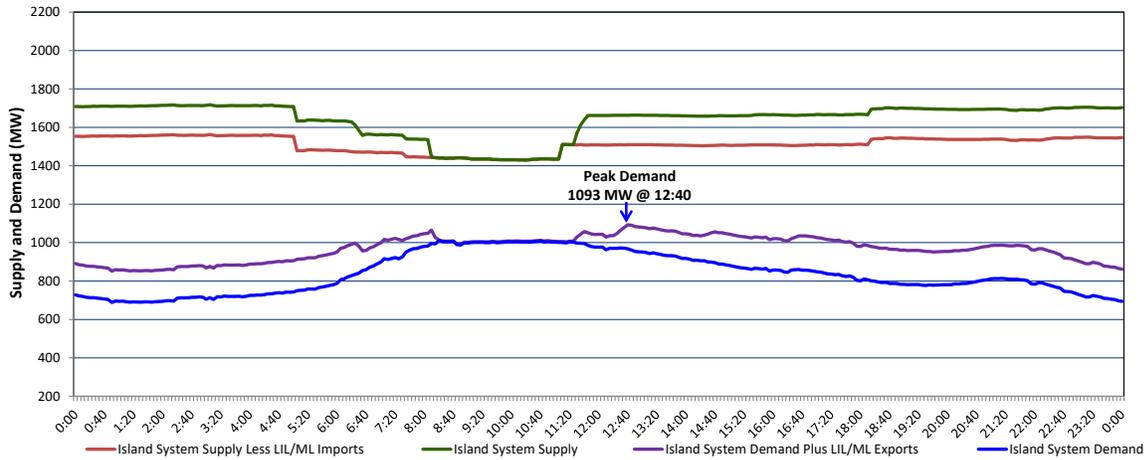


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, May 19, 2022**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, May 18, 2022**



**Supply Notes For May 18, 2022**

- A As of 0857 hours, April 04, 2022, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0813 hours, April 19, 2022, Holyrood Unit 2 returned to service 150 MW (170 MW).
- C As of 1327 hours, May 08, 2022, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- D As of 1234 hours, May 09, 2022, Holyrood Unit 1 available but not operating (170 MW).
- E As of 0715 hours, May 15, 2022, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- F At 0501 hours, May 18, 2022, Hinds Lake Unit unavailable (75 MW).
- G At 1107 hours, May 18, 2022, Hinds Lake Unit available (75 MW).
- H At 1726 hours, May 18, 2022, Cat Arm Unit 1 unavailable (67 MW).
- I At 1726 hours, May 18, 2022, Cat Arm Unit 2 unavailable (67 MW).
- J At 1728 hours, May 18, 2022, Cat Arm Unit 1 available (67 MW).
- K At 1728 hours, May 18, 2022, Cat Arm Unit 2 available (67 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, May 19, 2022	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>	1,664 MW	Thursday, May 19, 2022	8	8	1,035	1,035
NLH Island Generation: <sup>4,8</sup>	1,200 MW	Friday, May 20, 2022	8	9	875	875
NLH Island Power Purchases: <sup>6</sup>	145 MW	Saturday, May 21, 2022	12	13	760	760
Other Island Generation:	225 MW	Sunday, May 22, 2022	11	13	805	805
ML/LIL Imports:	94 MW	Monday, May 23, 2022	15	14	765	765
Current St. John's Temperature & Windchill:	5 °C N/A °C	Tuesday, May 24, 2022	6	6	960	960
7-Day Island Peak Demand Forecast:	1,035 MW	Wednesday, May 25, 2022	10	8	825	825

**Supply Notes For May 19, 2022**

- 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.
  8. Due to limitations inherent in the design of combustion turbines, the output of combustion turbines may be reduced in the event that ambient temperatures exceed the threshold

**Section 3  
Island Peak Demand Information  
Previous Day Actual Peak and Current Day Forecast Peak**

Wed, May 18, 2022	Actual Island Peak Demand <sup>9</sup>	12:40	1,093 MW
Thu, May 19, 2022	Forecast Island Peak Demand		1,035 MW

Notes: 9. 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).