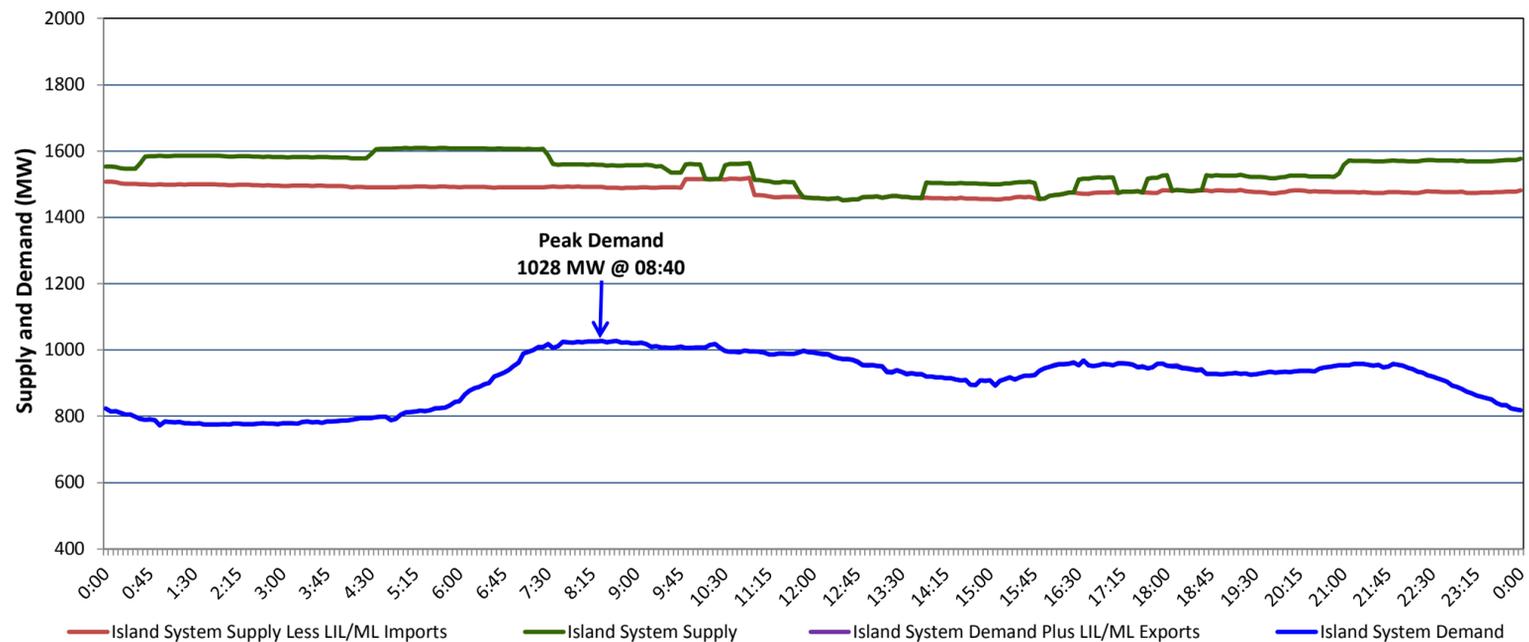


## Newfoundland Labrador Hydro (NLH)

**Supply and Demand Status Report Filed Wednesday, May 29, 2019 (Revised - June 05, 2019)**

### Section 1

#### Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, May 28, 2019



#### Supply Notes For May 28, 2019

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- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- C As of 1000 hours, May 16, 2019, Holyrood Unit 2 removed from service for economic dispatch (170 MW).
- D As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
- E As of 1426 hours, May 26, 2019, Paradise River Unit unavailable due to planned outage (8 MW).
- F At 0949 hours, May 28, 2019, Hardwoods Gas Turbine available at full capacity (50 MW).
- G At 1057 hours, May 28, 2019, Stephenville Gas Turbine unavailable due to planned outage (50 MW).

### Section 2

#### Island Interconnected Supply and Demand

Wed, May 29, 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>	1,475	MW		Wednesday, May 29, 2019	5	8	1,015	1,015
NLH Island Generation: <sup>4</sup>	1,160	MW		Thursday, May 30, 2019	8	5	975	975
NLH Island Power Purchases: <sup>6</sup>	105	MW		Friday, May 31, 2019	2	3	1,070	1,070
Other Island Generation:	210	MW		Saturday, June 01, 2019	5	5	1,000	1,000
ML/LIL Imports:	-	MW		Sunday, June 02, 2019	5	9	925	925
Current St. John's Temperature & Windchill:	4 °C	N/A	°C	Monday, June 03, 2019	9	11	890	890
7-Day Island Peak Demand Forecast:	1,070	MW		Tuesday, June 04, 2019	14	10	845	845

#### Supply Notes For May 29, 2019

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- 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, May 28, 2019	Actual Island Peak Demand <sup>8</sup>	08:40	1,028 MW
Wed, May 29, 2019	Forecast Island Peak Demand		1,015 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).