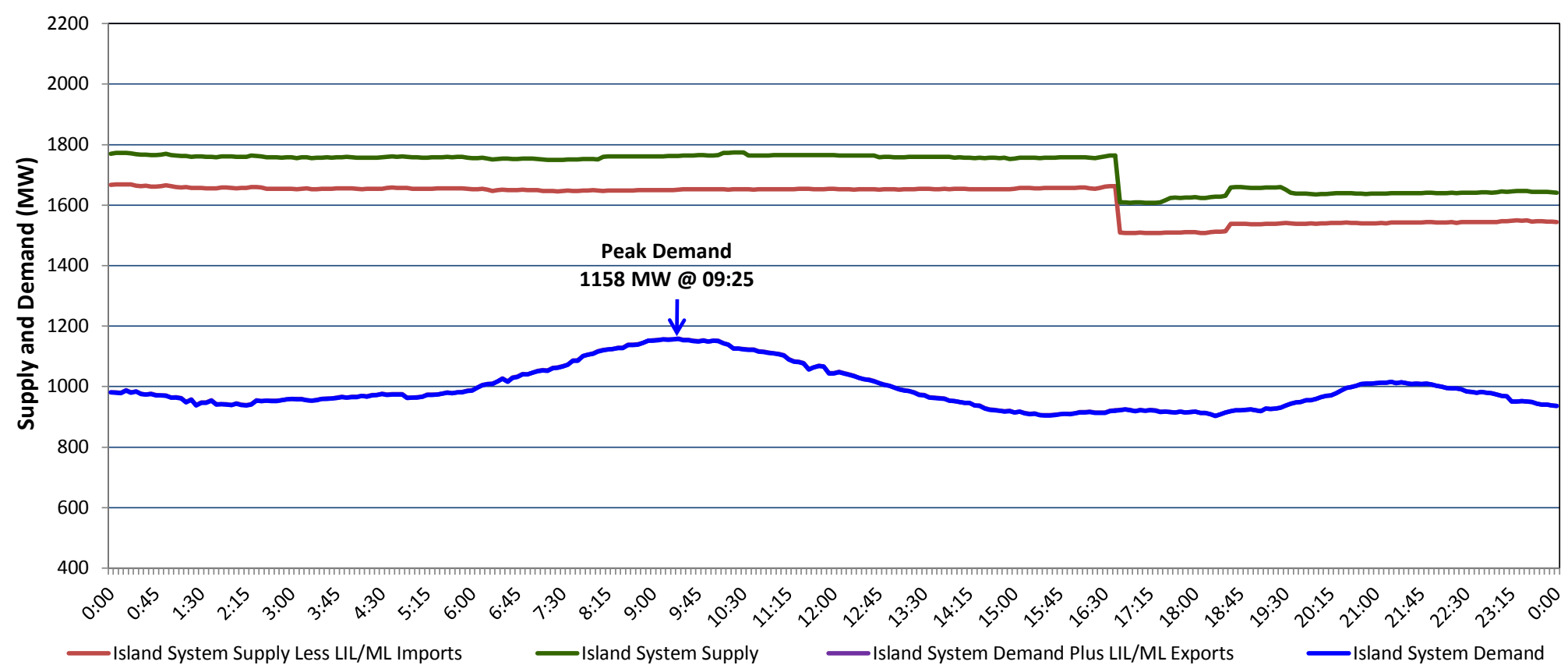


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, April 29, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Saturday, April 27, 2019**



**Supply Notes For April 27, 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 1134 hours, April 12, 2019, Holyrood Unit 2 unavailable (170 MW).
- C As of 0900 hours, April 23, 2019, St. Anthony Diesel Plant unavailable due to planned outage 7.7 MW (9.7 MW).
- D At 1645 hours, April 27, 2019, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
- E At 1645 hours, April 27, 2019, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
- F At 1833 hours, April 27, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sun, Apr 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>	1,635	MW	Sunday, April 28, 2019	1	3	1,165	1,085
NLH Island Generation: <sup>4</sup>	1,185	MW	Monday, April 29, 2019	3	1	1,180	1,100
NLH Island Power Purchases: <sup>6</sup>	135	MW	Tuesday, April 30, 2019	0	0	1,290	1,210
Other Island Generation:	215	MW	Wednesday, May 01, 2019	-2	3	1,305	1,305
ML/LIL Imports:	100	MW	Thursday, May 02, 2019	3	2	1,130	1,130
Current St. John's Temperature & Windchill:	1 °C	N/A °C	Friday, May 03, 2019	2	2	1,200	1,200
7-Day Island Peak Demand Forecast:	1,305	MW	Saturday, May 04, 2019	4	5	1,020	1,020

**Supply Notes For April 28, 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**

Sat, Apr 27, 2019	Actual Island Peak Demand <sup>8</sup>	09:25	1,158 MW
Sun, Apr 28, 2019	Forecast Island Peak Demand		1,165 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).