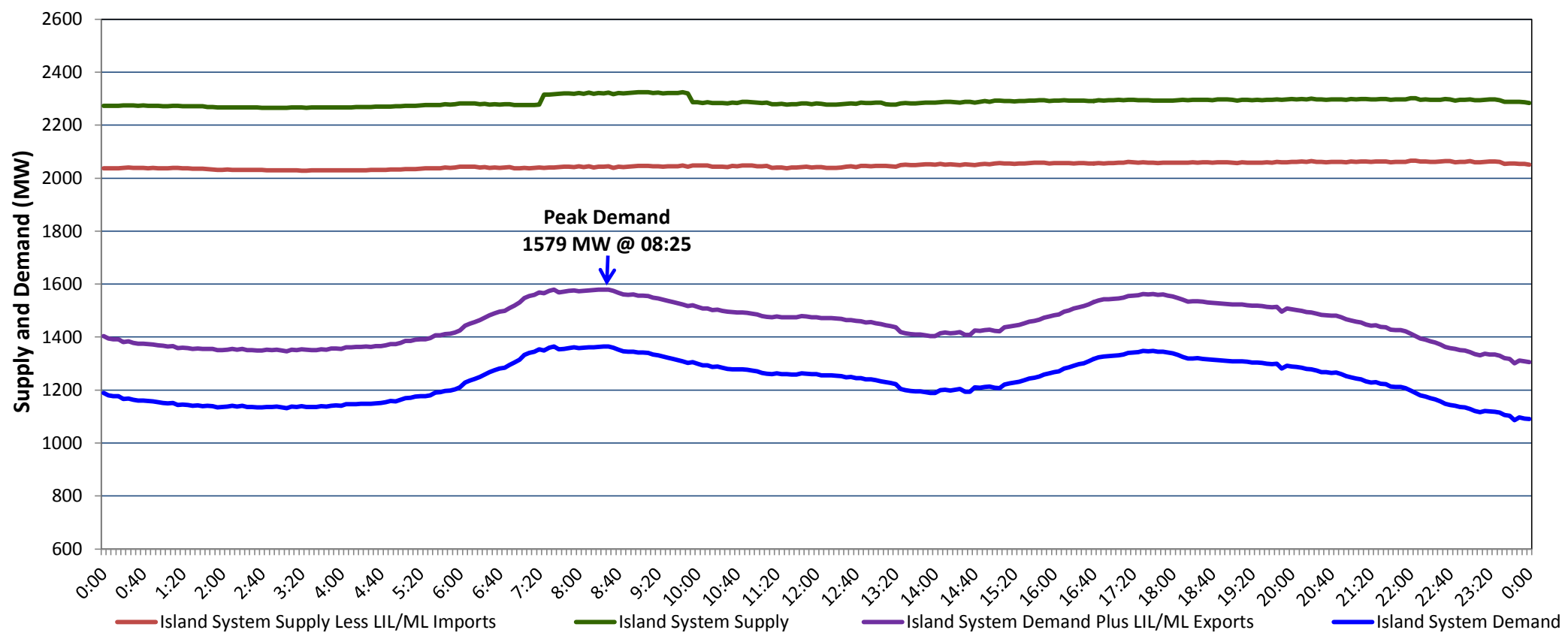


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Wednesday, February 09, 2022**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Tuesday, February 08, 2022**



**Supply Notes For February 08, 2022**

1,2

A As of 1715 hours, January 21, 2022, Holyrood Unit 2 available at 150 MW (170 MW).

**Section 2  
Island Interconnected Supply and Demand**

Wed, Feb 09, 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>	2,209	MW		Wednesday, February 09, 2022	5	0	1,540	1,434
NLH Island Generation: <sup>4,8</sup>	1,590	MW		Thursday, February 10, 2022	-1	-1	1,300	1,197
NLH Island Power Purchases: <sup>6</sup>	160	MW		Friday, February 11, 2022	1	1	1,220	1,118
Other Island Generation:	225	MW		Saturday, February 12, 2022	-1	1	1,225	1,123
ML/LIL Imports:	234	MW		Sunday, February 13, 2022	3	-3	1,390	1,286
Current St. John's Temperature & Windchill:	2 °C	N/A	°C	Monday, February 14, 2022	-7	-6	1,515	1,409
7-Day Island Peak Demand Forecast:	1,730	MW		Tuesday, February 15, 2022	-11	-17	1,730	1,622

**Supply Notes For February 09, 2022**

3

B At 0732 hours, February 09, 2022, Upper Salmon Unit unavailable due to planned outage (84 MW).

- 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 required for full rated output. This threshold is dependent on the design of each turbine.

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

Tue, Feb 08, 2022	Actual Island Peak Demand <sup>9</sup>	08:25	1,579 MW
Wed, Feb 09, 2022	Forecast Island Peak Demand		1,540 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).