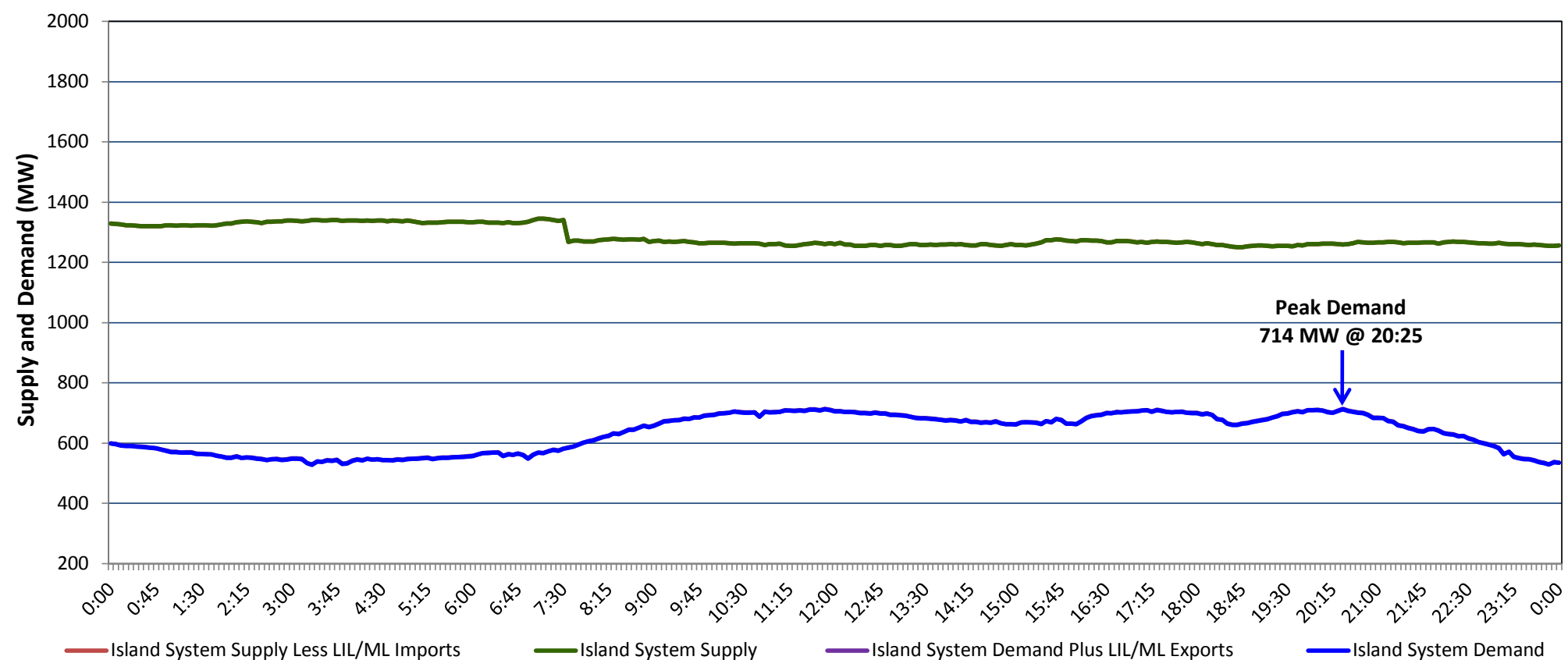


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Monday, September 28, 2020

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Sunday, September 27, 2020



#### Supply Notes For September 27, 2020

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- A As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW).
- B As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- C As of 1811 hours, September 02, 2020, Holyrood Unit 1 available but not operating (170 MW).
- D As of 1748 hours, September 13, 2020, Bay d'Espoir Unit 7 unavailable due to planned outage (154.4 MW).
- E As of 0705 hours, September 22, 2020, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- F **At 0734 hours, September 27, 2020, Hinds Lake Unit unavailable due to planned outage (75 MW).**

### Section 2 Island Interconnected Supply and Demand

Mon, Sep 28, 2020	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>	1,375 MW	Monday, September 28, 2020	17	17	755	755
NLH Island Generation: <sup>4</sup>	925 MW	Tuesday, September 29, 2020	18	18	780	780
NLH Island Power Purchases: <sup>6</sup>	135 MW	Wednesday, September 30, 2020	20	19	735	735
Other Island Generation:	315 MW	Thursday, October 01, 2020	20	20	750	750
ML/LIL Imports:	-	Friday, October 02, 2020	17	16	745	745
Current St. John's Temperature & Windchill:	16 °C	Saturday, October 03, 2020	13	16	735	735
7-Day Island Peak Demand Forecast:	780 MW	Sunday, October 04, 2020	14	12	775	775

#### Supply Notes For September 28, 2020

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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

Sun, Sep 27, 2020	Actual Island Peak Demand <sup>8</sup>	20:25	714 MW
Mon, Sep 28, 2020	Forecast Island Peak Demand		755 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).