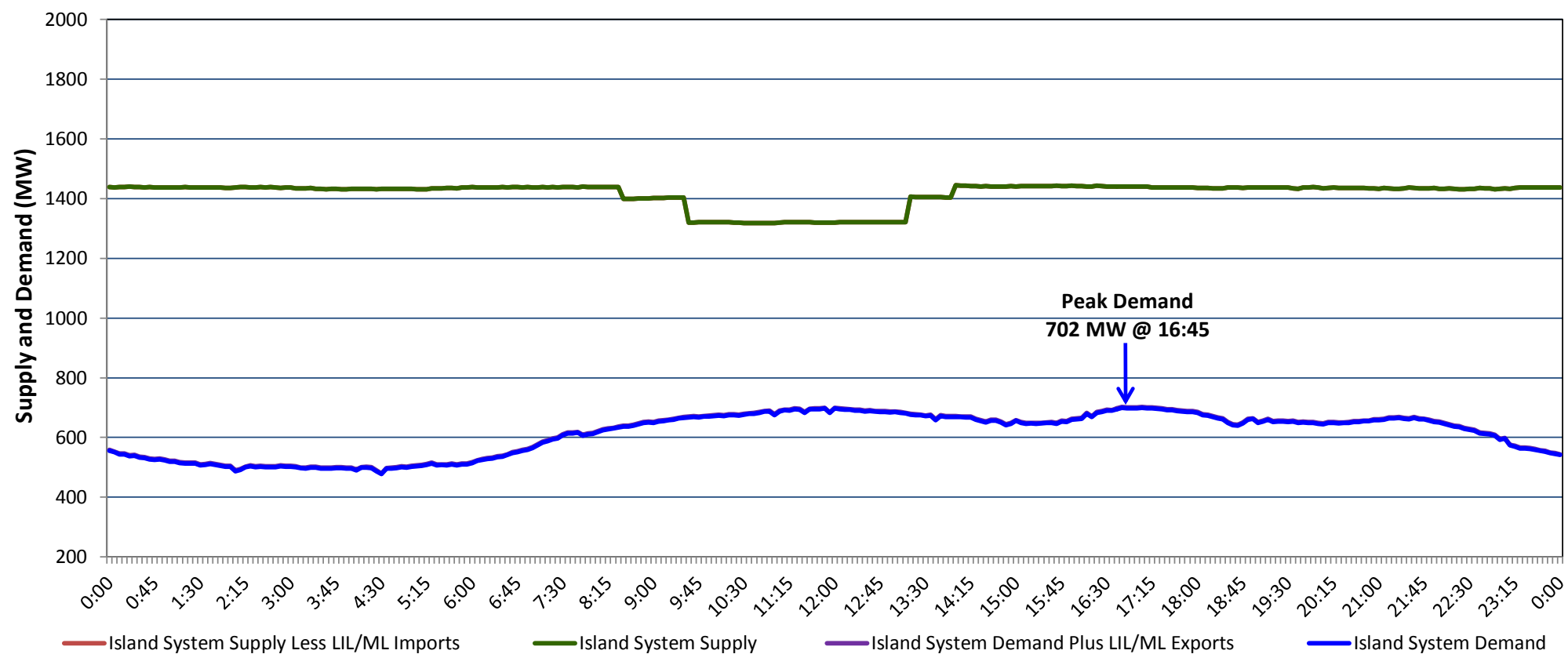


## Newfoundland Labrador Hydro (NLH)

### Supply and Demand Status Report Filed Wednesday, July 29, 2020 (Revised - July 30, 2020)

#### Section 1

##### Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, July 28, 2020



#### Supply Notes For July 28, 2020

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- A As of 1415 hours, June 11, 2020, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- B As of 0853 hours, June 21, 2020, Holyrood Unit 3 available but not operating (150 MW).
- C As of 1000 hours, July 06, 2020, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- D As of 0808 hours, July 15, 2020, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- E As of 1222 hours, July 26, 2020, Cat Arm Unit 2 unavailable due to planned outage (67 MW).
- F At 0826 hours, July 28, 2020, Granite Canal Unit unavailable (40 MW).
- G At 0935 hours, July 28, 2020, Upper Salmon Unit unavailable due to planned outage (84 MW).
- H At 1312 hours, July 28, 2020, Upper Salmon Unit available (84 MW).
- I At 1357 hours, July 28, 2020, Granite Canal Unit available (40 MW).

#### Section 2

##### Island Interconnected Supply and Demand

Wed, Jul 29, 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>	1,440 MW	Wednesday, July 29, 2020	12	12	735	735
NLH Island Generation: <sup>4</sup>	1,135 MW	Thursday, July 30, 2020	13	16	760	760
NLH Island Power Purchases: <sup>6</sup>	105 MW	Friday, July 31, 2020	15	16	740	740
Other Island Generation:	200 MW	Saturday, August 01, 2020	17	16	710	710
ML/LIL Imports:	- MW	Sunday, August 02, 2020	16	15	715	715
Current St. John's Temperature & Windchill: 11 °C	N/A °C	Monday, August 03, 2020	16	17	760	760
7-Day Island Peak Demand Forecast:	760 MW	Tuesday, August 04, 2020	19	20	750	750

#### Supply Notes For July 29, 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

Tue, Jul 28, 2020	Actual Island Peak Demand <sup>8</sup>	16:45	702 MW
Wed, Jul 29, 2020	Forecast Island Peak Demand		735 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).