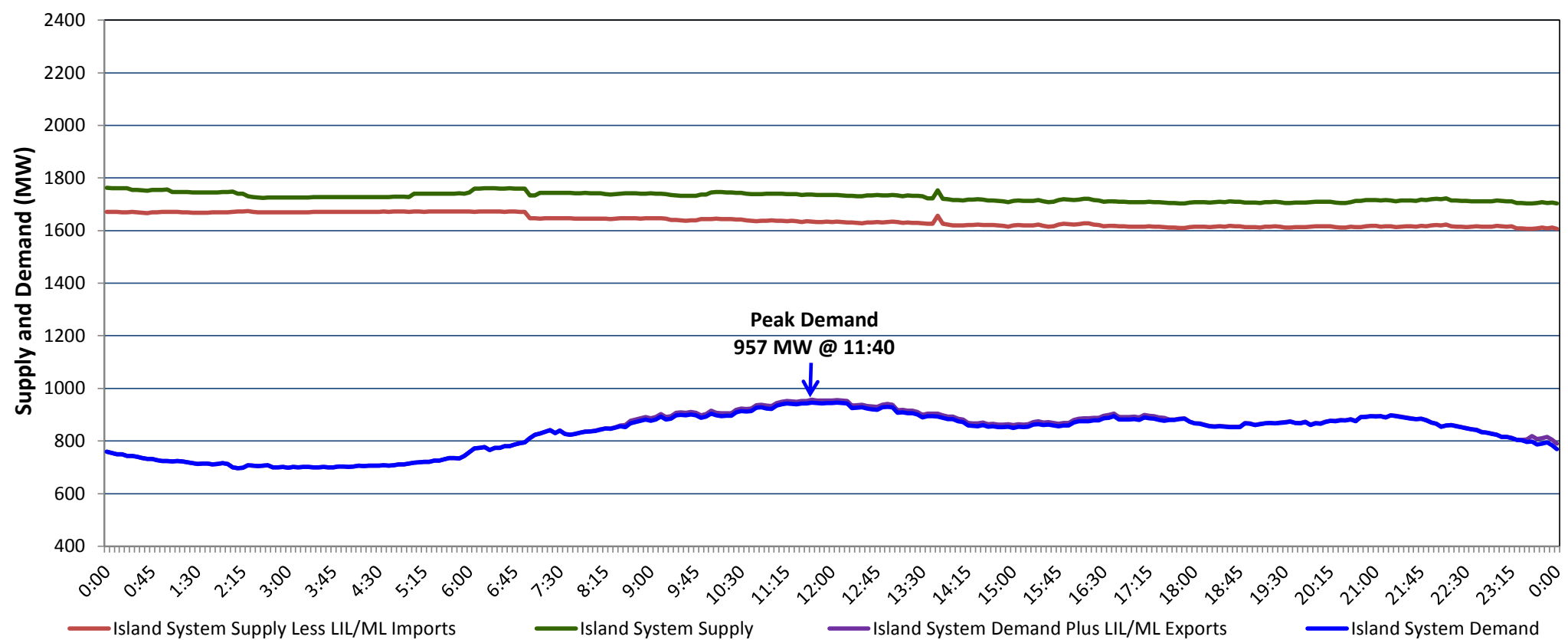


## Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Tuesday, April 23, 2019

### Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Monday, April 22, 2019



#### Supply Notes For April 22, 2019

1,2

- 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 1430 hours, April 15, 2019, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).  
**D** As of 2225 hours, April 17, 2019, Cat Arm Plant available at 100 MW due to lower than normal water levels (134 MW).  
**E** At 0700 hours, April 22, 2019, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 MW).

### Section 2 Island Interconnected Supply and Demand

Tue, Apr 23, 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>	1,723	MW	Tuesday, April 23, 2019	2	0	1,100	1,020
NLH Island Generation: <sup>4</sup>	1,285	MW	Wednesday, April 24, 2019	-1	0	1,250	1,170
NLH Island Power Purchases: <sup>6</sup>	120	MW	Thursday, April 25, 2019	0	0	1,275	1,195
Other Island Generation:	215	MW	Friday, April 26, 2019	1	0	1,240	1,160
ML/LIL Imports:	103	MW	Saturday, April 27, 2019	2	3	1,170	1,090
Current St. John's Temperature & Windchill:	1 °C	N/A °C	Sunday, April 28, 2019	3	4	1,150	1,070
7-Day Island Peak Demand Forecast:	1,275	MW	Monday, April 29, 2019	5	2	1,090	1,010

#### Supply Notes For April 23, 2019

3

- 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

Mon, Apr 22, 2019	Actual Island Peak Demand <sup>8</sup>	11:40	957 MW
Tue, Apr 23, 2019	Forecast Island Peak Demand		1,100 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).