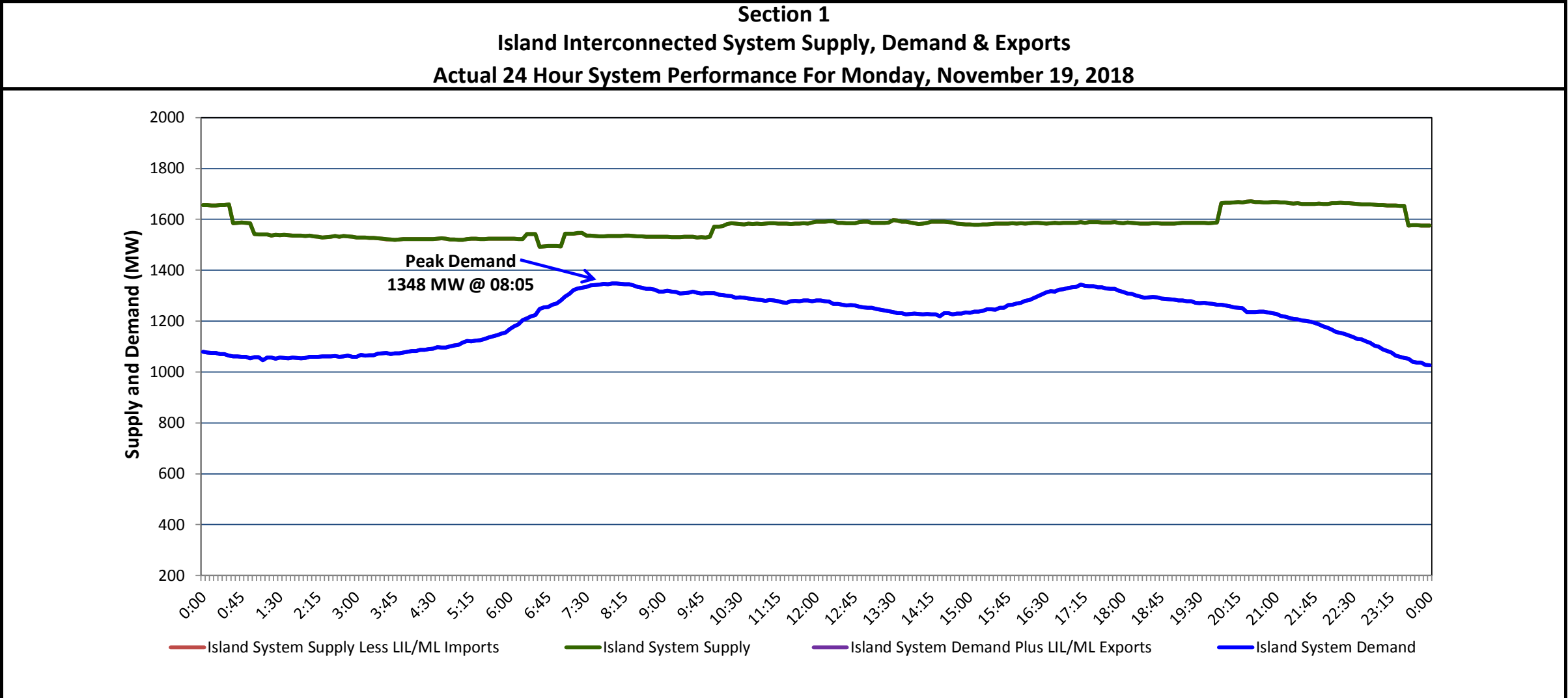


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, November 20, 2018



Supply Notes For November 19, 20181,2

A	As of 2017 hours, November 03, 2018, Holyrood Unit 1 unavailable due to planned outage 40 MW (170 MW).
B	As of 0729 hours, November 09, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
C	As of 1814 hours, November 15, 2018, Holyrood Unit 3 unavailable (150 MW).
D	At 0032 hours, November 19, 2018, Hinds Lake Unit unavailable (75 MW).
E	At 0056 hours, November 19, 2018, Granite Canal Unit unavailable (40 MW).
F	At 0634 hours, November 19, 2018, Hardwoods Gas Turbine unavailable (50 MW).
G	At 0701 hours, November 19, 2018, Hardwoods Gas Turbine available (50 MW).
H	At 0956 hours, November 19, 2018, Granite Canal Unit available (40 MW).
I	At 1954 hours, November 19, 2018, Hinds Lake Unit available (75 MW).
J	At 2334 hours, November 19, 2018, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).

Section 2
Island Interconnected Supply and Demand

Tue, Nov 20, 2018	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,640 MW	Tuesday, November 20, 2018	2	7	1,315	1,220
NLH Island Generation: ⁴	1,350 MW	Wednesday, November 21, 2018	4	4	1,225	1,131
NLH Island Power Purchases: ⁶	95 MW	Thursday, November 22, 2018	1	3	1,375	1,279
Other Island Generation:	195 MW	Friday, November 23, 2018	-4	-4	1,465	1,368
ML/LIL Imports:	- MW	Saturday, November 24, 2018	-1	-3	1,375	1,279
Current St. John's Temperature & Windchill: 1 °C	N/A °C	Sunday, November 25, 2018	0	0	1,310	1,215
7-Day Island Peak Demand Forecast:	1,465 MW	Monday, November 26, 2018	-1	1	1,380	1,284

Supply Notes For November 20, 20183

K	At 0449 hours, November 20, 2018, Bay d'Espoir Unit 4 available (76.5 MW).
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Notes:	<div><div>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.</div><div>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.</div><div>3. As of 0800 Hours.</div><div>4. Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).</div><div>5. Gross output from all Island sources (including Note 4).</div><div>6. NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).</div><div>7. Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.</div></div>
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Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Mon, Nov 19, 2018	Actual Island Peak Demand ⁸	08:05	1,348 MW
Tue, Nov 20, 2018	Forecast Island Peak Demand		1,315 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).