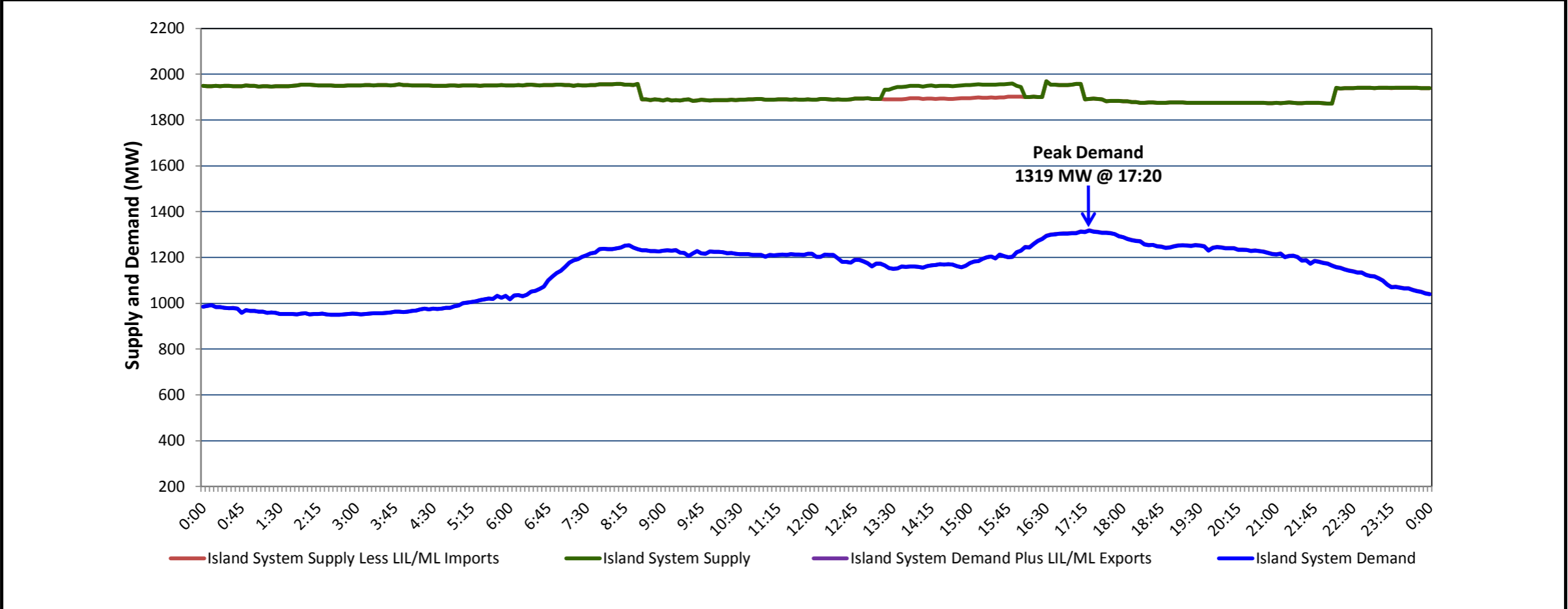


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, November 29, 2018

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, November 28, 2018



Supply Notes For November 28, 2018		1,2
A	As of 1844 hours, November 26, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).	
B	At 0834 hours, November 28, 2018, Cat Arm Unit 1 unavailable due to planned outage (67 MW).	
C	At 1606 hours, November 28, 2018, Stephenville Gas Turbine available at full capacity (50 MW).	
D	At 1630 hours, November 28, 2018, Cat Arm Unit 1 available (67 MW).	
E	At 1635 hours, November 28, 2018, Holyrood Unit 1 available at 160 MW (170 MW).	
F	At 1714 hours, November 28, 2018, Cat Arm Unit 2 unavailable due to planned outage (67 MW).	
G	At 2211 hours, November 28, 2018, Cat Arm Unit 2 available (67 MW).	

Section 2
Island Interconnected Supply and Demand

Thu, Nov 29, 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		1,900	MW	Thursday, November 29, 2018		3	2	1,345	1,249
NLH Island Generation: ⁴		1,610	MW	Friday, November 30, 2018		3	2	1,350	1,254
NLH Island Power Purchases: ⁶		85	MW	Saturday, December 01, 2018		2	1	1,305	1,210
Other Island Generation:		205	MW	Sunday, December 02, 2018		0	-2	1,275	1,180
ML/LIL Imports:		-	MW	Monday, December 03, 2018		0	3	1,420	1,324
Current St. John's Temperature & Windchill:		3 °C	N/A °C	Tuesday, December 04, 2018		-2	-1	1,445	1,348
7-Day Island Peak Demand Forecast:		1,445	MW	Wednesday, December 05, 2018		-3	-2	1,355	1,259

Supply Notes For November 29, 2018		3
H	At 0241 hours, November 29, 2018, Paradise River Unit unavailable (8 MW).	
I	At 0310 hours, November 29, 2018, Granite Canal Unit unavailable (40 MW).	
J	At 0313 hours, November 29, 2018, Paradise River Unit available (8 MW).	
K	At 0332 hours, November 29, 2018, Paradise River Unit unavailable (8 MW).	

Notes:	<div><div>1.</div><div>2.</div><div>3.</div><div>4.</div><div>5.</div><div>6.</div><div>7.</div></div> <div>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>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>As of 0800 Hours.</div> <div>Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).</div> <div>Gross output from all Island sources (including Note 4).</div> <div>NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).</div> <div>Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.</div>
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Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Wed, Nov 28, 2018	Actual Island Peak Demand ⁸	17:20	1,319 MW
Thu, Nov 29, 2018	Forecast Island Peak Demand		1,345 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).
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