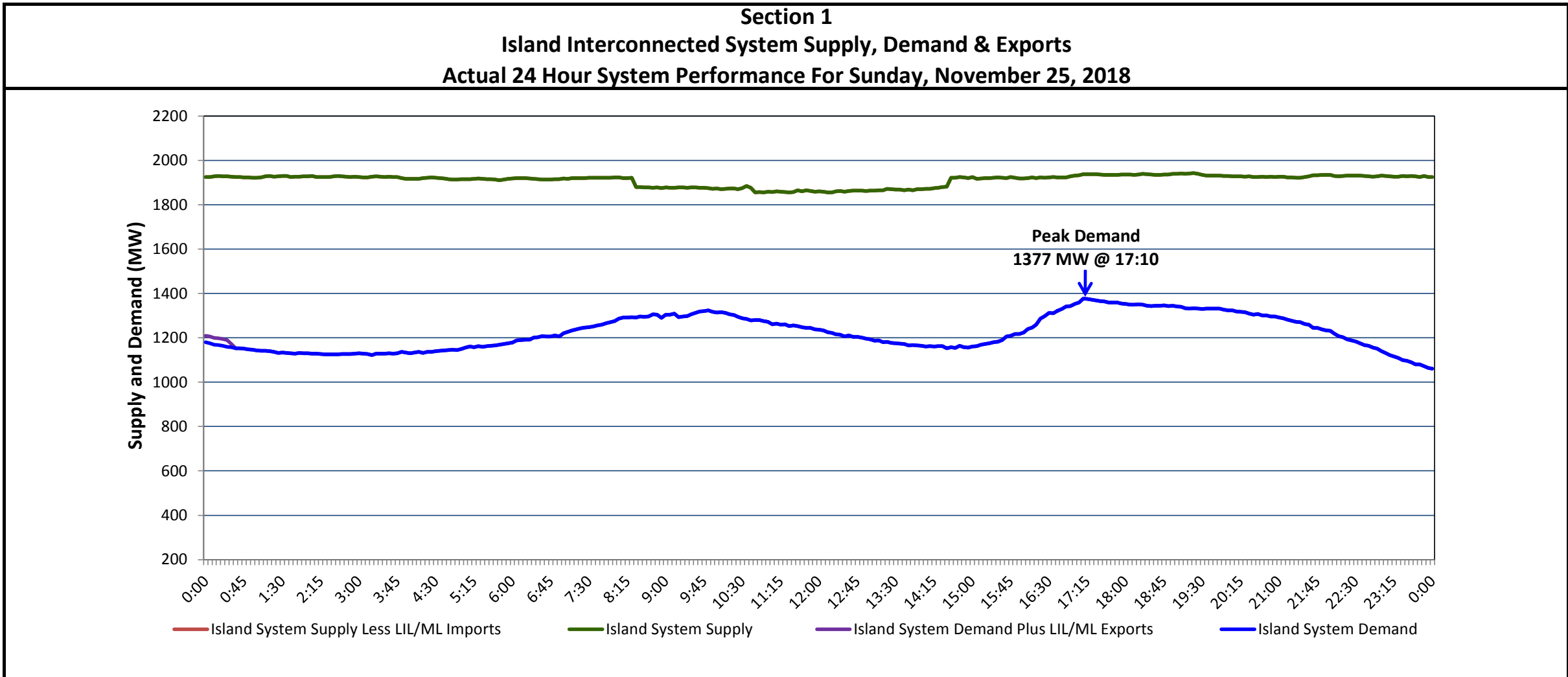


Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, November 26, 2018 (Revised - November 27, 2018)



Supply Notes For November 25, 2018		1,2
A	As of 0729 hours, November 09, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).	
B	As of 0935 hours, November 23, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).	
C	As of 2303 hours, November 24, 2018, Holyrood Unit 1 available at 140 MW (170 MW).	
D	At 0824 hours, November 25, 2018, Granite Canal Unit unavailable (40 MW).	
E	At 1431 hours, November 25, 2018, Granite Canal Unit available (40 MW).	

Section 2								
Island Interconnected Supply and Demand								
Mon, Nov 26, 2018				Island System Outlook <sup>3</sup>		Seven-Day Forecast		Island System Daily Peak Demand (MW)
						Temperature (°C)		
						Morning	Evening	Forecast    Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>				1,845	MW	Monday, November 26, 2018		1    2    1,300    1,205
NLH Island Generation: <sup>4</sup>				1,540	MW	Tuesday, November 27, 2018		2    2    1,325    1,230
NLH Island Power Purchases: <sup>6</sup>				110	MW	Wednesday, November 28, 2018		1    2    1,350    1,254
Other Island Generation:				195	MW	Thursday, November 29, 2018		3    1    1,375    1,279
ML/LIL Imports:				-	MW	Friday, November 30, 2018		2    0    1,360    1,264
Current St. John's Temperature & Windchill:				1 °C	N/A °C	Saturday, December 01, 2018		0    -1    1,330    1,235
7-Day Island Peak Demand Forecast:				1,375	MW	Sunday, December 02, 2018		-2    0    1,290    1,195

Supply Notes For November 26, 2018		3
F	At 0034 hours, November 26, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).	

- 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, Nov 25, 2018	Actual Island Peak Demand <sup>8</sup>	17:10	1,377 MW
Mon, Nov 26, 2018	Forecast Island Peak Demand		1,300 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).			