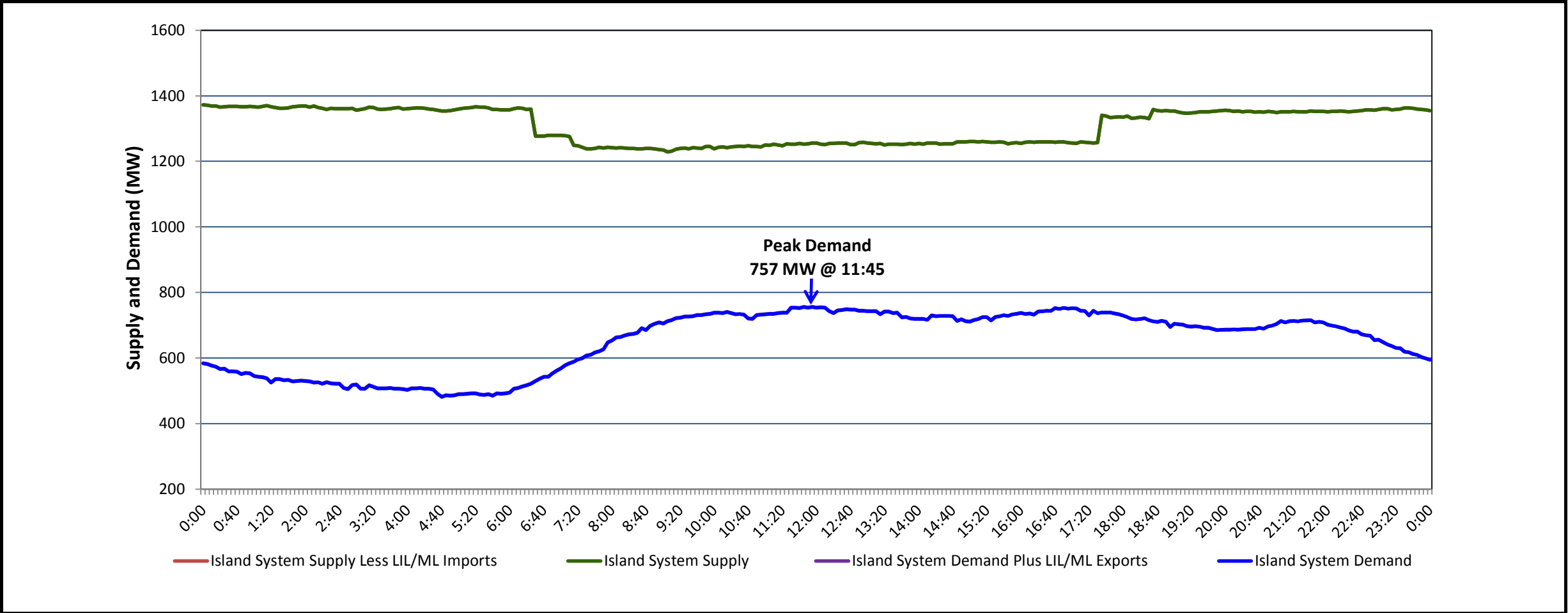


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, August 02, 2018

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Tuesday, July 31, 2018



Supply Notes For July 31, 2018		1,2
A	As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).	
B	As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).	
C	As of 1400 hours, July 18, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).	
D	As of 0801 hours, July 19, 2018, Holyrood Unit 3 removed from service for economic dispatch 110 MW (150 MW).	
E	As of 0742 hours, July 23, 2018, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).	
F	As of 1000 hours, July 27, 2018, Holyrood Unit 1 unavailable due to planned outage 88 MW (170 MW).	
G	As of 1600 hours, July 29, 2018, Granite Canal Unit unavailable due to planned outage (40 MW).	
H	At 0627 hours, July 31, 2018, Upper Salmon Unit unavailable due to planned outage (84 MW).	
I	At 0715 hours, July 31, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).	
J	At 1735 hours, July 31, 2018, Upper Salmon Unit available (84 MW).	
K	At 1832 hours, July 31, 2018, Hardwoods Gas Turbine available at full capacity (50 MW).	

Section 2
Island Interconnected Supply and Demand

Wed, Aug 01, 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		1,320	MW	Wednesday, August 01, 2018		20	24	790	790		
NLH Island Generation: ⁴		1,020	MW	Thursday, August 02, 2018		22	20	790	790		
NLH Island Power Purchases: ⁶		100	MW	Friday, August 03, 2018		20	18	800	800		
Other Island Generation:		200	MW	Saturday, August 04, 2018		14	14	775	775		
ML/LIL Imports:		-	MW	Sunday, August 05, 2018		14	13	765	765		
Current St. John's Temperature & Windchill:		19 °C	N/A °C	Monday, August 06, 2018		13	16	835	835		
7-Day Island Peak Demand Forecast:		835	MW	Tuesday, August 07, 2018		17	17	800	800		

Supply Notes For August 01, 2018		3
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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 some customer's load must 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, is necessary to ensure the integrity and reliability of system equipment. Under frequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.</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, Vale capacity assistance (when applicable).</div><div>7. Adjusted for CBPP, Vale and Praxair interruptible load, Maritime Link and Labrador-Island Link exports 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

Tue, Jul 31, 2018	Actual Island Peak Demand ⁸	11:45	757 MW
Wed, Aug 01, 2018	Forecast Island Peak Demand		790 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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