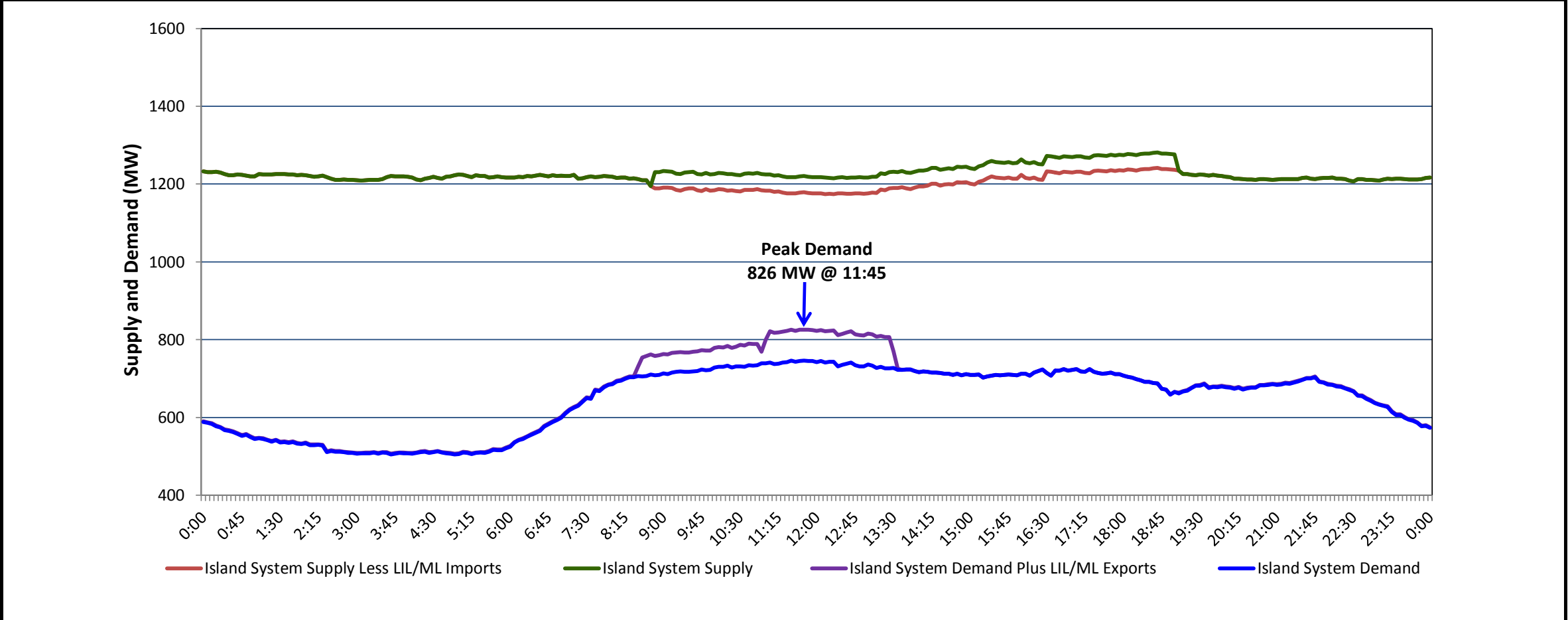


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, July 05, 2018

Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, July 04, 2018



Supply Notes For July 04, 2018		1,2
A	As of 0801 hours, April 02, 2018, Holyrood Unit 3 unavailable due to planned outage 110 MW (150 MW).	
B	As of 1438 hours, May 22, 2018, Holyrood Unit 2 unavailable due to planned outage 70 MW (170 MW).	
C	As of 1357 hours, June 01, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).	
D	As of 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).	
E	As of 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).	
F	As of 0847 hours, June 30, 2018, Hardwoods Gas Turbine available 25 MW (50 MW).	
G	As of 0700 hours, July 03, 2018, Holyrood Combustion Turbine unavailable due to a planned outage (123.5 MW).	
H	As of 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).	
I	At 1500 hours, July 04, 2018, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).	

Section 2
Island Interconnected Supply and Demand

Thu, Jul 05, 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				1,165	MW	Thursday, July 05, 2018		11	12	795	795
NLH Island Generation: ⁴				875	MW	Friday, July 06, 2018		13	17	805	805
NLH Island Power Purchases: ⁶				90	MW	Saturday, July 07, 2018		16	13	775	775
Other Island Generation:				200	MW	Sunday, July 08, 2018		13	16	770	770
ML/LIL Imports:				-	MW	Monday, July 09, 2018		16	15	815	815
Current St. John's Temperature & Windchill: 10 °C				N/A	°C	Tuesday, July 10, 2018		14	14	810	810
7-Day Island Peak Demand Forecast:				815	MW	Wednesday, July 11, 2018		15	17	795	795

Supply Notes For July 05, 2018		3
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Notes:	<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>
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Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Wed, Jul 04, 2018	Actual Island Peak Demand ⁸	11:45	826 MW
Thu, Jul 05, 2018	Forecast Island Peak Demand		795 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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