

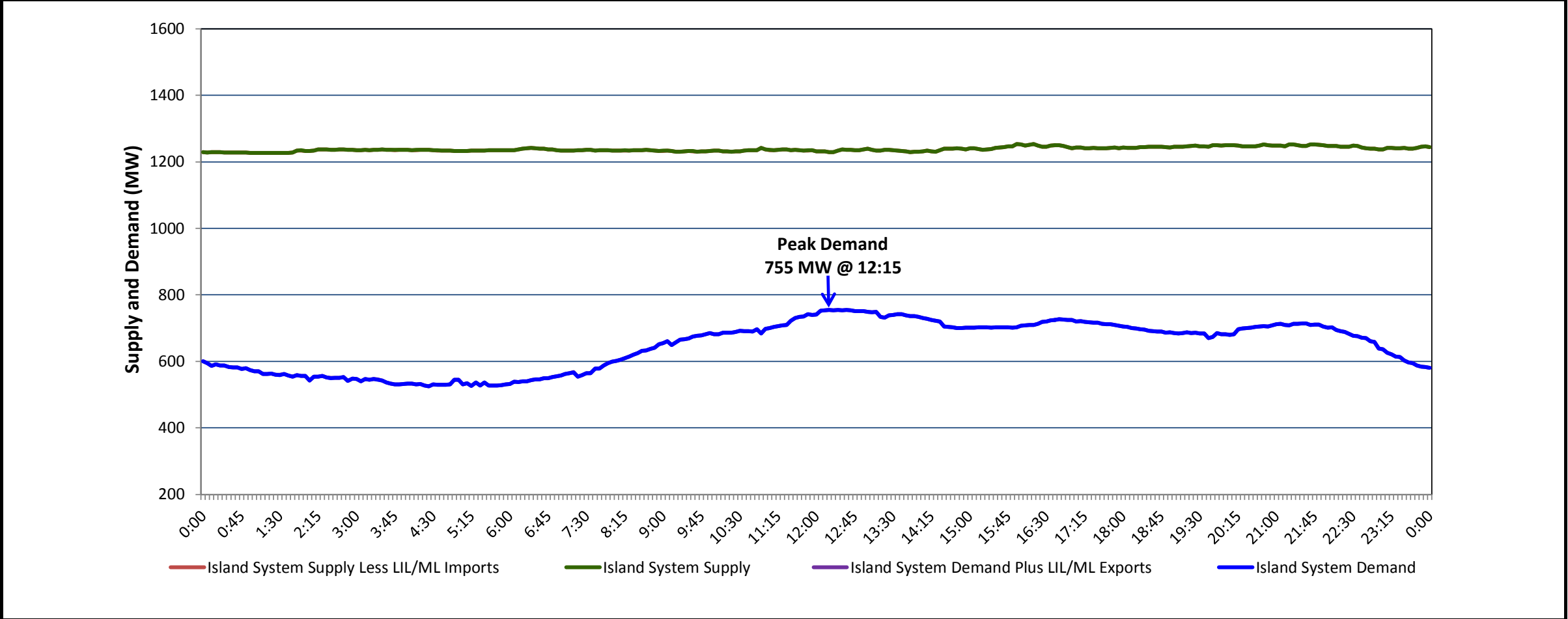
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, July 16, 2018 (Revised - July 17, 2018)

Section 1

Island Interconnected System Supply, Demand & Exports

Actual 24 Hour System Performance For Sunday, July 15, 2018



Supply Notes For July 15, 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 0855 hours, June 11, 2018, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).	
D	As of 0948 hours, June 27, 2018, Hinds Lake Unit unavailable due to planned outage (75 MW).	
E	As of 1830 hours, July 03, 2018, Holyrood Unit 1 removed from service for economic dispatch 88 MW (170 MW).	
F	As of 1537 hours, July 05, 2018, Cat Arm Unit 1 available at 50 MW (67 MW).	
G	As of 1251 hours, July 06, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).	
H	As of 0613 hours, July 09, 2018, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).	
I	As of 1535 hours, July 10, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).	
J	At 0839 hours, July 15, 2018, St. Anthony Diesel Plant available at full capacity (9.7 MW).	

Section 2

Island Interconnected Supply and Demand

Mon, Jul 16, 2018				Island System Outlook <sup>3</sup>		Seven-Day Forecast		Temperature (°C)		Island System Daily Peak Demand (MW)	
								Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>				1,095	MW	Monday, July 16, 2018		18	18	785	785
NLH Island Generation: <sup>4</sup>				785	MW	Tuesday, July 17, 2018		16	17	800	800
NLH Island Power Purchases: <sup>6</sup>				120	MW	Wednesday, July 18, 2018		19	20	790	790
Other Island Generation:				190	MW	Thursday, July 19, 2018		20	19	790	790
ML/LIL Imports:				-	MW	Friday, July 20, 2018		17	17	805	805
Current St. John's Temperature & Windchill:				19 °C	N/A °C	Saturday, July 21, 2018		19	18	745	745
7-Day Island Peak Demand Forecast:				805	MW	Sunday, July 22, 2018		19	20	765	765

Supply Notes For July 16, 2018		3
K	At 0645 hours, July 16, 2018, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).	

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

Sun, Jul 15, 2018	Actual Island Peak Demand <sup>8</sup>	12:15	755 MW
Mon, Jul 16, 2018	Forecast Island Peak Demand		785 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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