

Daily Supply and Demand Report: Changes effective December 2014

Following the January 2014 Supply Disruptions, Newfoundland and Labrador Hydro (NLH) began filing daily Supply and Demand Status Reports with the Public Utilities Board (the Board). The Board makes these reports available to the public through its website. The daily report provides a snapshot of electricity being utilized by customers (demand) and the maximum supply that is available to customers (supply). The report includes other information such as the forecast system demand, any generation unit outages or deratings, expected temperatures, etc. The objective of these reports was to provide the Board and customers with a clear perspective of supply and demand on the Island grid and related generation outages.

NLH has received feedback that this report should be improved, most importantly, to clarify the information presented on *supply available* and *demand forecast* in respect of the *whole* Island Interconnected System, not only what is available from NLH. As System Operator, NLH operates the system on an Island basis and considers all available supply and all required load, thus an Island Interconnected System perspective provides a more valid representation of the supply and demand. Feedback clearly indicated that provision of primarily NLH data on this report can lead to confusion when trying to understand the *total* electrical supply available for customers' use on the Island Interconnected System. Therefore, NLH has revised the report to display the Island Interconnected System information on the main graph.

For winter 2014/2015, to provide customers a clearer picture of the available supply and demand for the Island Interconnected System, NLH is implementing several improvements to the report as noted below.

		Key Improvement	Previous Report Format	Current Report Format
General	1	Date clarity	Format "December 1, 2014"	Format "Tuesday, December 2, 2014".
Section 1	2	Present all available supply and demand on the Island Interconnected System	Graph presented NLH values ⁽¹⁾ only for supply and demand values	Graph presents Island Interconnected System which includes NLH ⁽¹⁾ plus other ⁽²⁾ for total supply and demand values.
	3	Clearly highlight changes in generation supply	Daily additions or deletions to supply – were not clearly highlighted	Additions or deletions to supply – colour highlighted; additions to be green, deletions or de-ratings to be orange. This will be for the day the item is new on the report.
Section 2	4	Present all available supply and demand on the Island Interconnected System	Table presented NLH values ⁽¹⁾ only for supply and demand	Table presents Island Interconnected System which includes NLH ⁽¹⁾ plus others ⁽²⁾ for total supply and demand values. NLH supply will remain available in the table.
	5	Present longer window of the short-term forecast period	5-day forecast of temperatures and peak NLH demand ⁽¹⁾ only	7-day forecast of temperatures and Island Interconnected System peak daily demand which includes NLH values ⁽¹⁾ plus others ⁽²⁾ for total supply and demand values.
Section 3	6	Provide Island Interconnected Peak Demand	Presented both Island Interconnected System peaks and NLH peaks ⁽¹⁾	Island Interconnected System peak presented.

(1) NLH values include NLH generation plus NLH power purchases from non-utility generators.

(2) Customer owned generation at Newfoundland Power and Corner Brook Pulp and Paper Limited (Deer Lake Power).