Statement

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As you may already be aware, Canada is a country rich in natural resources; 60% of its electricity generation comes from hydro power. Hydro electricity provides a natural complement to wind integration. We are seeing an increase in renewables in the form of wind, biomass and solar power across Provinces in Canada.

Wind Power in Canada continues to grow and represents in the order 3% of the total electricity demand today. This number is expected to double by 2016.

In Canada, we continue to conduct research with federally funded programs such as Natural Resources Canada’s - Clean Energy Fund.

In Atlantic Canada, we are conducting important research on load shifting for wind integration. PowerShift Atlantic is a collaborative project focused on finding more effective ways to integrate wind energy onto our electricity grid by leveraging smart grid technology and shifting residential and commercial loads. We have created an energy management system called a Virtual Power Plant that dynamically shifts customer load in order to better balance electricity demand with renewable electricity generation. Thermal storage devices for water and space heating are the primary loads that we are focused on.

By this, customers do not have to change anything. During this conference, we will discuss further end to end solutions for customers.