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Renewable energy sources can drive Canada's low-carbon future, Trottier Energy Futures Project says

Canada will have access to enough renewable energy by 2050 to achieve the deep greenhouse gas (GHG) reductions required to do our part to put a brake on global climate change, according to a report released today by the Trottier Energy Futures Project (TEFP).

[*An Inventory of Low-Carbon Energy for Canada*](#) shows that Canada's supplies of solar, wind, hydroelectric and biomass energy are much larger than the current or forecast demand for fuel and electricity, and technology costs have been falling in recent years. But the ability to reduce GHG emissions by 80 per cent compared to 1990 levels—the target set by the Intergovernmental Panel on Climate Change—will depend on an integrated energy system that combines individual technologies to deliver affordable, reliable, sustainable energy services.

“The great news is that Canada's ‘post-petroleum’ future won't be limited by a physical shortage of renewable, carbon-free energy,” said TEFP board member Peter Robinson, CEO of the David Suzuki Foundation. “This report is the beginning of a roadmap for making that future a reality.”

“It is clear from this survey that a low-carbon future is a technologically sophisticated future, in which a variety of energy sources and a much more integrated electricity grid will all play crucial roles,” said TEFP board member Dr. Richard Marceau, president of the Canadian Academy of Engineering. “The first step in the right direction is to get a coherent plan in place, and the Trottier Energy Futures Project's modeling and analysis are taking us in the right direction.”

An Inventory of Low-Carbon Energy for Canada is the second research report released by the Trottier Energy Futures Project. [Low-Carbon Energy Futures: A Review of National Scenarios](#) was published in January 2013.

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