



**Canadian Academy of Engineering**  
**L'Académie canadienne du génie**



**David  
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## **ANNOUNCEMENT**

# **Engineers, environmentalists, philanthropists seek energy solutions**

**Canadian Academy of Engineering, David Suzuki Foundation and  
Trottier Family Foundation join forces**

**For Immediate Release**

**June 4, 2010**

TORONTO – Engineers, environmentalists and philanthropists are joining forces to develop solutions for Canada's energy future. The Canadian Academy of Engineering, the David Suzuki Foundation and the Trottier Family Foundation announced today a formal partnership to launch the "Trottier Energy Futures Project", named for entrepreneur, engineer and philanthropist Lorne Trottier, whose family foundation is providing major funding for a multi-year project.

"Energy poses big challenges for Canada in the 21<sup>st</sup> century in terms of supply, environmental sustainability, climate change and economics," Dr. Trottier, FCAE, said. "The Canadian Academy of Engineering and the David Suzuki Foundation, two highly respected organizations, bring different but complementary perspectives to the challenge. The Trottier Family Foundation is pleased to support the joint work in the form of a multi-million dollar grant."

The project has four primary goals:

1. To identify energy strategies for Canada to be implemented between now and 2050 that would:
  - Reduce Canada's emissions of greenhouse gases from all aspects of the energy sector with the target of 80 per cent below 1990 levels by 2050;
  - Make Canada a global role model in sustainable generation, distribution and use of energy;
  - Ensure that all Canadians have access to the energy they need to enjoy a high quality of life.
2. To recommend the optimal strategy, from among those identified, for implementation.
3. To persuade the Canadian public, industry and governments that implementing the optimal energy strategy is in Canada's best interest.
4. To ensure that implementation of the optimal strategy has begun within the terms of this project.

The project will start with an evaluation of current and emerging energy technologies and systems relevant to Canada and then proceed to identify integrated solutions and break-through innovations for Canada's future energy systems. All forms of energy, including their interplay, will be considered. Changes in public policy and regulations will be identified and, through innovative engagements and communications, broad support for the project execution and outcomes will be secured from the Canadian public, industry, and energy and environment decision-makers. All work will be based on an

objective assessment of the best science, engineering expertise and information available.

The project outcome will include a series of recommendations, reports, conferences, lectures and meetings that will create a compelling vision and roadmap for a sustainable future of Canada's energy systems. Interim reports and recommendations will be provided as the work proceeds.

"We expect to challenge each other during the execution of the project, and we expect to achieve greater success and more innovative results than we would by acting alone," said Axel Meisen, P.Eng, FCAE, who oversaw the development of the project as CAE president. "The project will build on the extensive work already done by the CAE in the field of energy and it will draw extensively on the expertise of the Fellows of the CAE."

"Identifying better ways of generating, distributing and using diverse forms of energy in a harmonized, integrated way will enable us to address and solve the concerns that Canadians have about climate change and environmental sustainability," said DSF CEO Peter Robinson. "We are keenly aware of the economic implications of changes in the Canadian energy system, and we want to arrive at solutions that provide all Canadians with the energy they need for a high quality of life."

The project will be overseen by a board comprising the President of the Trottier Family Foundation, the Chief Executive Officer for the David Suzuki Foundation and the President of the Canadian Academy of Engineering. It will be managed by Tom Gouldsbrough, P.Eng., an engineer with 35 years of energy, utility and project management experience. His final major assignment with Manitoba Hydro included the conceptualization and creation of the award-winning, superbly energy-efficient head office for the public utility.

Further important details of the Trottier Energy Futures Project will be announced during the World Energy Congress in Montreal, September 12 to 16, 2010.

Background information on The Canadian Academy of Engineering and the David Suzuki Foundation can be found at: [www.acad-eng-gen.ca/e/home\\_.cfm](http://www.acad-eng-gen.ca/e/home_.cfm) and [www.davidsuzuki.org/](http://www.davidsuzuki.org/).

Both organizations have worked extensively on energy and related climate change issues. Through its Energy Pathways Task Force, the CAE has prepared reports on future energy options for Canada evaluating a range of energy technologies:

[www.acad-eng-gen.ca/e/EnergyPathwaysE\\_.cfm](http://www.acad-eng-gen.ca/e/EnergyPathwaysE_.cfm)

The David Suzuki Foundation has done considerable research on low-impact energy options and meeting the challenges posed by climate change:

[www.davidsuzuki.org/Publications/case\\_for\\_deep\\_reductions.asp](http://www.davidsuzuki.org/Publications/case_for_deep_reductions.asp)

[www.davidsuzuki.org/Publications/smart\\_generation.asp](http://www.davidsuzuki.org/Publications/smart_generation.asp)

[www.davidsuzuki.org/Publications/Kyoto\\_and\\_Beyond.asp](http://www.davidsuzuki.org/Publications/Kyoto_and_Beyond.asp).

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