



David  
Suzuki  
Foundation



# Ontario's Experience with Renewable Energy Feed-in Tariffs: Looking for an Ambitious New Direction

Brussels

November 3 2008

Jose Etcheverry Ph.D.



[www.greenenergyact.ca](http://www.greenenergyact.ca)



David  
Suzuki  
Foundation



# Only FIT System in Canada: Ontario's Standard Offer Contract

- Unique North American Program started Nov. 2006 but since May 13 2008 is currently under revision by OPA
- Program provided 11 cents per kWh for mini-hydro, biomass, and wind installations and 42 cents per kWh for solar (all for 20 years)
- Program has achieved the fastest and strongest RE market response in Canada



The screenshot shows the Ontario Power Authority (OPA) website for the Standard Offer Program (SOP). The page title is "Ontario's Standard Offer Program". It features a search bar and a main heading "Renewable Energy Standard Offer Program". Below this, there are four icons representing different energy sources: Water Power, Wind Energy, Solar Energy, and Biomass Energy. Each icon has a brief description: "Learn how the SOP can help small water power generators.", "Learn how the SOP can help small wind generators.", "Learn how the SOP can help small solar PV installations.", and "Learn how the SOP supports a variety of biomass projects." There is an "APPLY NOW!" section with a circular arrow icon and text: "Use our online form to apply for a contract under the Renewable Energy Standard Offer Program. You can save and update your information prior to submitting it." Below that is an "August 2007 Progress Report" section with a photo of water and text: "In the month of August, the Ontario Power Authority executed 36 RESOP contracts, bringing the total to 140 executed RESOP contracts with another 104 applications in process."

[www.powerauthority.on.ca/SOP](http://www.powerauthority.on.ca/SOP)



David  
Suzuki  
Foundation



# High Likelihood that Ontario's FIT System Will Soon Evolve as Part of an Initiative to Implement a New Ontario Green Energy Act

Ontario Green Energy Act

- about green energy
- green energy act
- about us
- get involved!
- news and events
- green energy dictionary

If everyone in Ontario embraced renewable energy... and installed a 2 kilowatt solar panel the size of their arm span we could meet all our electricity requirements and drastically reduce our CO<sub>2</sub> emissions

Green Energy Action

Join the Green Energy Action Team

Help us build a cleaner greener future.

[www.greenenergyact.ca](http://www.greenenergyact.ca)



David  
Suzuki  
Foundation



# We are here in Brussels to ask if you are interested in collaborating with Ontarians in the development of a better FIT System and a Strong Green Energy Act?

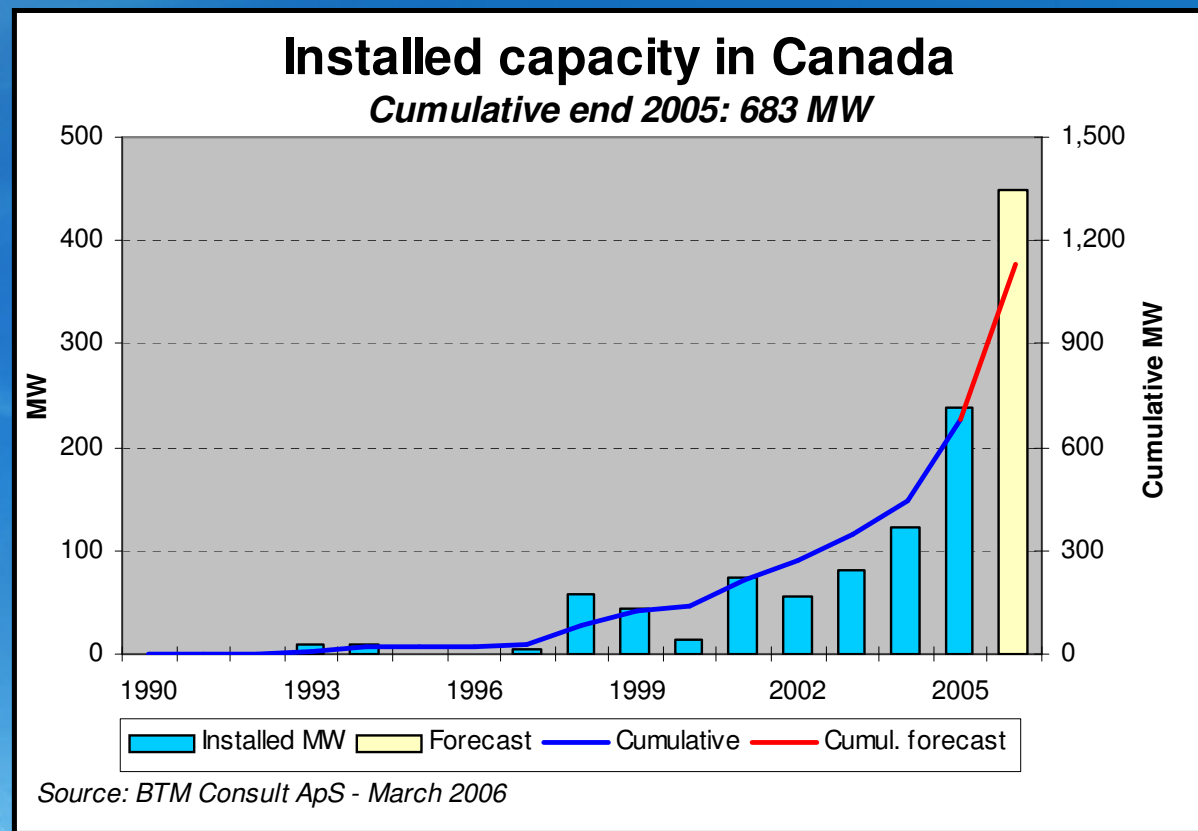
- For example we need help in:
  - designing a better FIT system
  - Developing better standards for RE connection rules

[www.greenenergyact.ca](http://www.greenenergyact.ca)



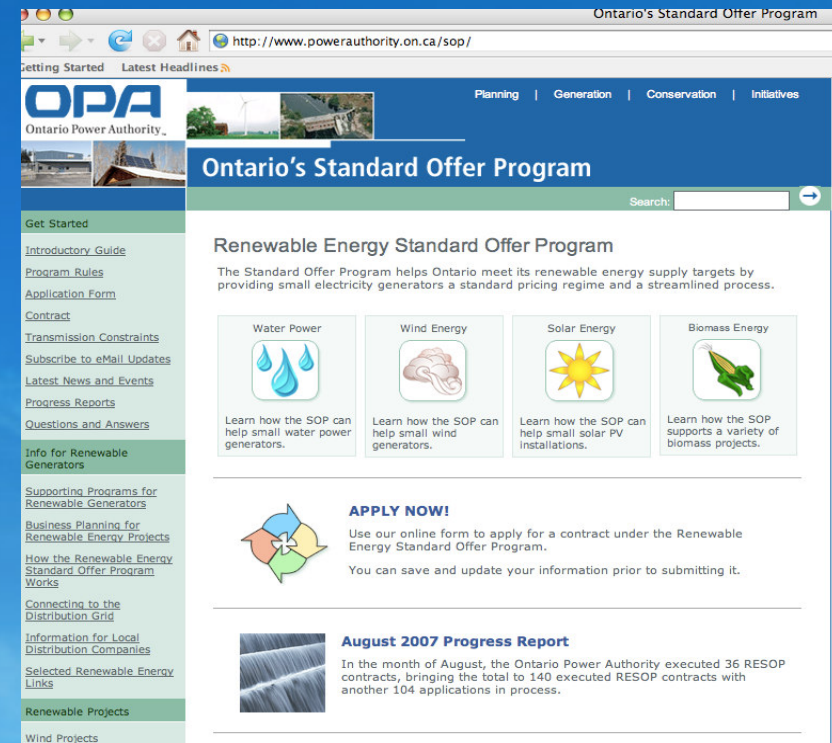
# Canada's Renewable Energy Capacity (2005)

- Canada's Total PV Installed Capacity as of 2005 = ~17 MW



# Ontario's SOP Signed Contracts

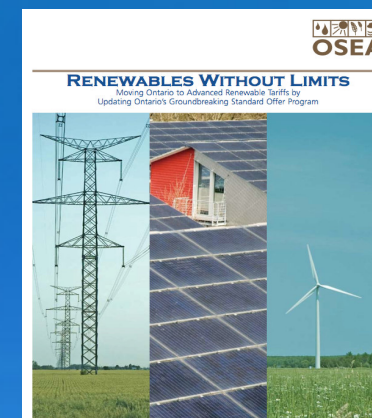
- Wind = ~655 MW
  - PV = ~316 MW
  - Hydro = ~66 MW
  - Bio-energy = ~67 MW
- (as of February 2008)



The screenshot shows the Ontario Power Authority's Standard Offer Program (SOP) website. The page title is "Ontario's Standard Offer Program" and the URL is "http://www.powerauthority.on.ca/sop/". The page features a navigation menu with links for "Planning", "Generation", "Conservation", and "Initiatives". The main content area is titled "Renewable Energy Standard Offer Program" and includes a search bar. Below the title, there is a description of the program and four icons representing different renewable energy sources: Water Power, Wind Energy, Solar Energy, and Biomass Energy. Each icon has a corresponding text box explaining how the SOP can help small generators. At the bottom of the page, there is a section titled "APPLY NOW!" with a call to action to use the online form to apply for a contract. Below that, there is a section titled "August 2007 Progress Report" with a small image of a waterfall and text stating that 36 RESOP contracts were executed in August, bringing the total to 140.

# Challenges to Address

- Prices
- Grid access
- Grid capacity
- Antiquated grid
- LDCs can't recuperate reinforcement costs or their administrative costs
- No policy for larger projects
- Community Power Models that work
- Access to financing
- Expert support for technical and organizational challenges



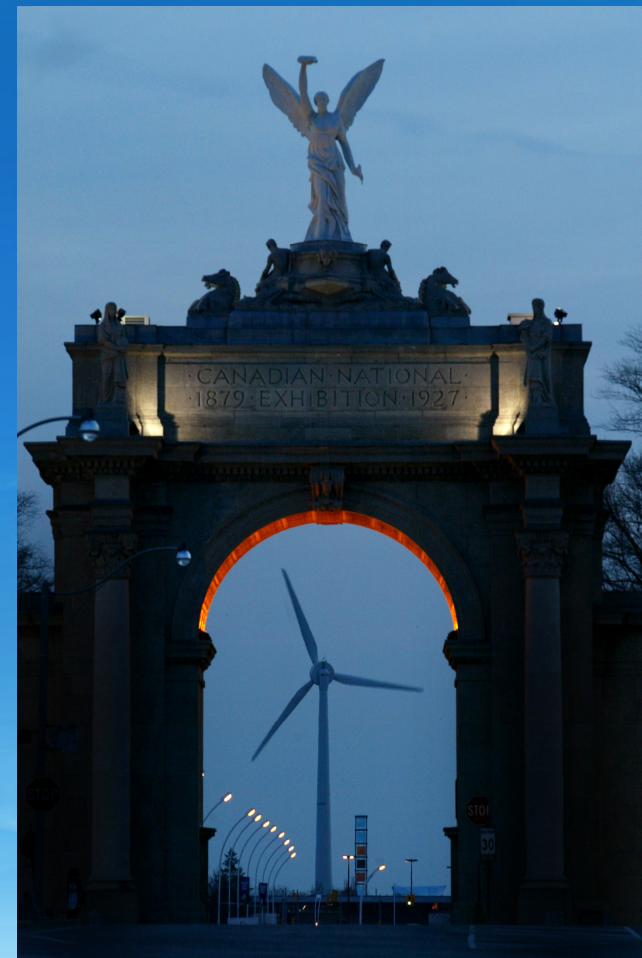


David  
Suzuki  
Foundation



# Invitation

- **Advanced Renewable Energy Workshop (RE FIT Development grid-integration, Wind and Solar Financing in North America)**
- **Toronto, May 2009**





David  
Suzuki  
Foundation



# Thanks for your Attention!



For Further Information:

**José Etcheverry Ph.D.**

**Tel. 1.416.736.2100 Ext. 22695**

**Mobile 1.416.843.2484**

**Fax 1.416. 650.8242**

**rejose@yorku.ca**

**www.yorku.ca/fes**

[www.davidsuzuki.org](http://www.davidsuzuki.org)