

The Canadian Institute presents

Renewable Energy

PROJECT DEVELOPMENT



NOVEMBER 19 AND 20, 2007 · MARRIOTT BLOOR YORKVILLE HOTEL · TORONTO · ONTARIO

Hear from the following industry experts:

The Pembina Institute
AIM PowerGen
SkyPower Corp
GPEKS Construction
Independent Electricity System Operator
Enbridge Inc.
University of New Brunswick
Forest BioProducts Inc.
Guelph Hydro Inc.
Corpfinance International Limited
Ontario Power Authority
Navigant Consulting, Inc.
Willms & Shier Environmental Lawyers LLP
Ontario Power Association
Ontario Power Generation
Canadian GeoExchange Coalition

Don't miss your opportunity to get the latest strategies from top renewable energy developers and policy makers, and capitalize on this booming market. Hear from:

- **SkyPower Corp** and **AIM PowerGen** on best practices in project development
- **Enbridge Inc.** on emerging fuel-cell technology
- **Independent Electricity System Operator** on connecting alternative energy to the grid
- **Ontario Power Authority** on the link between renewable energy and the carbon market
- **Corpfinance International** on project financing and risk assessment strategies
- **The Pembina Institute** on the state of alternative energy projects in Canada

PLUS! Get added value by enrolling in our **post-conference interactive learning session:**

Renewable Energy Project Financing
Wednesday, November 21, 2007



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Determine the economic upside of going green. What are your renewable energy opportunities?

Clean power alternatives are continually proving their commercial viability, and the market is now poised for more renewable energy projects to come on board. According to the Ontario Power Authority's Integrated Power Supply Plan, about 50 per cent of this province's generating capacity will be replaced with alternative power sources over the next 20 years.

Further, the federal government has allocated \$1.5 billion into funding alternative energy projects in order to generate clean electricity and reduce greenhouse gas emissions.

Given all of these factors, there is no better time to carve your niche in this expanding market. The Canadian Institute's **Renewable Energy Project Development** will bring together this industry's top thought leaders, developers, sellers and investors to ensure you have all the tools you need to successfully implement your renewable energy project. Hear from:

- **AIM PowerGen, SkyPower Corp and GPEKS Construction Inc.** on lessons learned and best practices in project planning
- **Guelph Hydro** on Ecotricity's Eastview Landfill Gas Energy Plant
- **University of New Brunswick's** emerging technology for wind generation and small hydro units
- **Ontario Power Generation and Ontario Waterpower Association** on future hydroelectric developments
- **Ontario Power Authority** on carbon offsets and trading strategies
- **Corpfinance International** on how to finance your renewable energy project

Be where your colleagues and competitors are! Get the most-up-to-date information on how to effectively implement your renewable energy project. Register today by calling 1-877-927-7936 or visit us online at www.CanadianInstitute.com/REN

DISTINGUISHED FACULTY

CONFERENCE CO-CHAIRS

Juli Abouchar, Partner, Certified Environmental Law Specialist
Willms & Shier Environmental Lawyers LLP

Gabriel Draven, President and Chief Brand Officer
Village Technologies Inc.

Christopher Ball
Executive Vice-President
Corpfinance International Limited

Vittoria Bellissimo
Analyst
Electricity Sector Development
Ontario Power Authority

Dr. Luchien Chang
Lead Researcher
University of New Brunswick

Michelle Chislett
Director, Solar Projects
SkyPower Corp

Paul Cobb
Technical and Policy Advisor
The Pembina Institute

Mike Crawley
President and CEO
AIM PowerGen

Carlo Crozzoli
Director, Business Development
Hydroelectric Development
Ontario Power Generation

Dr. Luc C. Duchesne
President and CEO
Forest BioProducts Inc.

Ted Kantrowitz
Vice-President, Canadian
GeoExchange Coalition

Andrew Kinross
Associate Director
Navigant Consulting, Inc.

Paul Manning
Partner, Willms & Shier
Environmental Lawyers LLP

Ian Miles
Vice-President, Business
Development and CFO
Guelph Hydro Inc.

Paul Norris
President
Ontario Waterpower Association

Frederic Pouyot
President and CEO
GPEKS Construction Inc.

C.J. (Chuck) Szmurlo Jr.
VP Energy Technology
and Power Generation
Enbridge Inc.

Don Tench
Director, Planning and Assessments
Independent Electricity System
Operator (IESO)

WHO SHOULD ATTEND

Presidents, CEOs, VPs, Managers and Directors of Business Development, Sustainable Development, Strategic Planning, Operations, Public/Community Affairs, and Environment from:

- **Electricity generators**
- **Transmission and distribution companies**
- **Large- and small-scale wind generators**
- **Solar installers**
- **Small water power generators**
- **Biomass energy generators**
- **Renewable energy service and supply companies**
- **Governmental and regulatory bodies**
- **Energy financing/ investment companies**
- **Emissions trading and reduction firms**
- **Energy-focused law firms**
- **Energy industry associations**

Monday, November 19, 2007

8:00 Registration Opens & Coffee Served ☕

9:00 Opening Remarks from
the Conference Co-Chairs

Juli Abouchar

Partner, Certified Environmental Law Specialist
Willms & Shier Environmental Lawyers LLP

Gabriel Draven

President and Chief Brand Officer
Village Technologies Inc.

9:15 Strategies to Deliver Renewable Power:
The State of Alternative Energy
Projects in Canada

Paul Cobb

Technical and Policy Advisor
The Pembina Institute

- Investigating renewable energy project developments currently being implemented in each province
- Assessing the future outlook of alternative energy in Canada
- Areas of improvement to be made in Canada's renewable portfolio
- Addressing short-term and long-term challenges and how they can be overcome
- Essential updates on Ontario Power Authority's Standard Offer Program for Renewable Energy Projects
- Ontario's Integrated Power Supply Plan: What is the state of renewable energy projects in five, 10 and 20 years?
- Essential updates on the Ontario Ministry of Energy's Requests for Proposals

10:00 Networking Coffee Break ☕

10:15 Best Practices on Project Planning to
Maximize Your Return on Investment:
Lessons Learned from Renewable
Energy Developers

Mike Crawley

President and CEO, AIM PowerGen

Michelle Chislett

Director, Solar Projects, SkyPower Corp

Frederic Pouyot

President and CEO, GPEKS Construction Inc.

- What are the capital and hidden costs associated with developing a renewable energy project?
- From cradle to grave: How do you conduct accurate life-cycle assessments?
- How can you accurately estimate and better control future operations and maintenance costs?
- Addressing NIMBYism: How can you effectively work with communities?

- How do you address environmental issues, such as wildlife and habitat impacts?
- What are best practices in developing successful partnerships with Aboriginal communities?
- How can you deliver your project on time and on budget?
 - What are the factors that can delay this process?

11:30 Making a Connection: Linking
Alternative Energies to the Grid

Don Tench

Director, Planning and Assessments
Independent Electricity System Operator (IESO)

- What is the status of renewable energy development in Ontario?
- How is the IESO ensuring the reliable integration of new renewable capacity into their respective electricity grids?
- What is the process to connect new renewable capacity to the grid and how long does this process take?
 - Is it possible to expedite this process?
 - Are there any factors that can delay this timeline?
- What are the costs associated with adding transmission for new sources of supply?
 - What can affect these costs?
- What is the impact of renewable expansion on the operation of the electricity market?
- What are other future challenges and how are the IESO and AESO working towards addressing these challenges?

12:15 Networking Luncheon for
Delegates and Speakers 

1:30 Emerging Energy Technologies:
Investigating Fuel Cells as a
Major Source of Clean Energy

C.J. (Chuck) Szmurlo Jr.

VP Energy Technology and Power Generation
Enbridge Inc.

- Description of Enbridge's fuel cell and gas expansion turbine plant in Toronto
- How do fuel cells work to complement turboexpander power generation?
- What are the challenges in developing this technology and how can they be addressed?
- How can fuel-cell technology deliver a high-efficiency, near-zero-emissions source of electricity?
- Where else can fuel-cell technology be implemented?
- Where is further research and development needed?

2:15 University of New Brunswick's
Emerging Technology for Wind
Generation and Small Hydro Units

Dr. Luchien Chang

Lead Researcher

University of New Brunswick

With wind generation, voltage and frequency can be difficult to control due to variability of wind speeds. With small hydro sources, the challenge is to develop affordable alternatives to expensive turbines and control systems used in large-scale power generation.

This case study will examine The University of New Brunswick's project to address these challenges by developing inverters for variable-speed wind turbines and variable-speed pump-as-turbine small hydro units. Key questions to be addressed are:

- Challenges for power converters in distributed generation, including wind and small hydro systems
- Integrated functions of power converters for enhancing the performance of distributed generators
- Real-life applications of power converters for wind, solar and small hydro systems

3:00 Networking Refreshment Break

3:15 Innovations in Small-Scale Biomass and Biofuel Technology

Dr. Luc C. Duchesne
President and CEO, Forest BioProducts Inc.

- Large-scale versus small-scale biofuel projects
- Remote applications
- On-farm uses
- How can we secure reliable feedstocks?
- Fuel peat as a suitable biomass in bioenergy projects?
- Economic, social and environmental benefits of bioenergy projects for power generation in small-scale applications
- What are regulatory issues in using biomass for bioenergy projects?

4:00 From Project Development to Start-up: Ecotricity Guelph Inc.'s Landfill Gas Plant

Ian Miles
Vice-President, Business Development and CFO
Guelph Hydro Inc.

Ecotricity's Eastview Landfill Gas Energy Plant is the first renewable energy project in Ontario to begin operations as a result of the provincial government's 2004 renewable procurement process.

This case study will focus on the challenges in the plant's development and it will address the following key questions:

- What were the project requirements under the Ontario Ministry of Energy's renewable procurement process?
- What were the costs associated with the project?
 - Capital costs
 - Equipment
 - Operations and maintenance
- What environmental assessments were conducted?
- What is the facility's generating capacity and how is the electricity being distributed?

4:45 Closing Remarks from the Conference Co-Chairs Conference Adjourns

Tuesday, November 20, 2007

8:30 Coffee Served ☕

9:00 Opening Remarks from the Conference Co-Chairs

9:15 Innovative Project Financing and Risk Assessment Strategies to Get Your Renewable Project off the Ground

Christopher Ball, Executive Vice-President
Corpfinance International Limited

- What are the actual costs and economics involved in developing a renewable energy project?
- How can you maximize tax benefits for renewable energy projects?
- What government incentive programs are currently available?
 - How can you capitalize on these incentives?
- How do you create a sound legal structure of contracts for your financing?
- What financing options are available for the renewable energy industry?
- What are current financing trends in the renewable energy industry?

10:00 Networking Coffee Break ☕

10:15 Determining the Upside of Climate Change Policies: Evaluating Emissions Reductions and Carbon Offsets Strategies

Vittoria Bellissimo
Analyst, Electricity Sector Development
Ontario Power Authority

- How can we use market tools to create and recognize value for environmental products?
- What roles can the OPA play in promoting transparent environmental attribute pricing?
- How does renewable energy fit into a carbon market?
- What initiatives will support the development of a forward price curve for environmental attributes, and why is this critical to the evolution of Ontario's electricity market?

11:00 Understanding the U.S.'s Renewable Energy Industry and its Impact on Canada

Andrew Kinross
Associate Director
Navigant Consulting, Inc.

- What is the current state of alternative energy projects in the U.S.?
- What are the challenges to alternative energy generation and how can they be overcome?
- What U.S. federal and state renewable energy policy drivers will be used to accelerate market development?
- What is the impact of the U.S.'s renewable energy project developments on Canada?

11:45 Expediting Regulatory Approvals: Understanding Key Issues for Renewable Energy Projects

Paul Manning
Partner

Willms & Shier Environmental Lawyers LLP

- When are federal approvals required for renewable energy projects?
- What is the Environmental Assessment process?
- Is Ontario's streamlined E Screening process a help or hindrance for renewable energy projects?
- First Nations: What is the legal duty to consult?
 - How do you comply with it?
- Land use approvals: Will Ontario's new Planning Act changes reduce NIMBY challenges?
- Connection and transmission: What approvals are required for renewable energy projects?

12:30 Networking Luncheon for Delegates and Speakers 

1:45 Exploring Hydroelectric Projects as an Asset for Ontario's Future

Paul Norris
President
Ontario Waterpower Association

Carlo Crozzoli
Director, Business Development
Hydroelectric Development
Ontario Power Generation

- What is the status of OPG and other hydroelectric projects in Ontario?
- What is Ontario's remaining waterpower potential?
 - How can this potential help meet future electricity demands?
 - How does this potential fit into the province's overall system mix proposal?
 - What are the key challenges to realizing the potential?
- What is the energy payback period of hydroelectricity?
- What are the ecological approaches and environmental assessments associated with implementing hydroelectricity?
- What are the cost trends associated with implementing hydroelectric plants?
- What are the key regulatory requirements associated with implementing hydroelectric plants and how can they be coordinated?
 - How can these policy hurdles be overcome in order to successfully implement hydroelectric projects?
- What role will First Nations play in hydroelectric development?

3:00 Investing in Geothermal as a Reliable Energy Source

Ted Kantrowitz
Vice-President
Canadian GeoExchange Coalition

- What are the current and most innovative applications for geothermal energy?
- What are the business drivers for companies to be involved in geoechange?
- How does the geoechange industry's approach to development differ from other renewables, and what does that mean for investor opportunities?
- What are the expected savings of geothermal energy?
- What are economic benefits of investing in geoechange?
- What are the challenges in site location and implementation and how can they be addressed?

3:45 Closing Remarks from the Conference Co-Chairs
Conference Concludes

Wednesday, November 21, 2007

9:00 a.m. to 12:30 p.m.

Registration opens at 8:30 a.m.

**RENEWABLE ENERGY
PROJECT FINANCING**

Christopher Ball
Executive Vice-President
Corpfinance International Limited

In this interactive learning session, participants will learn the fundamentals of financing structures for different renewable projects. Topics to be discussed include:

- Investigating various types of financing
- Financing risks and relationships to equity
- Critical funding/capital access needs
- Real estate, permits, equipment and construction costs
- Interconnection and transmission
- Availability of tax credits

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5 Reasons to Attend!

- 1 Hear insider tips from major developers: AIM PowerGen, SkyPower Corp and Enbridge Inc.
- 2 Learn about innovative project financing strategies
- 3 Receive critical updates from The Pembina Institute, OPA and IESO
- 4 Get the latest information on emerging technology
- 5 Network with colleagues, competitors, government and industry thought leaders

REGISTRATION FORM

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YES! Please register the following delegate(s) for the **RENEWABLE ENERGY PROJECT DEVELOPMENT**

Fee Per Delegate

- Conference only \$1895 + \$113.70 (6%) GST = \$2008.70
- Conference & Interactive Learning Session \$2390 + \$143.40 (6%) GST = \$2533.40
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Program Materials

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