

# APPRO 2005

2,235 MW

Clean Energy &  
Demand Side Projects

395 MW

Renewables 1 RFP

1,000 MW

Renewables 2 RFP

200 MW

Renewables 3 RFP

515 MW

Pickering A Unit 1

1,540 MW

Bruce A 1 and 2

1,000 MW

West GTA

500 MW

Downtown Toronto

250 MW

Demand Side Management  
& Response

1,000 MW

Co-generation

310 MW

Thunder Bay  
Gas Fired Generation

200 MW

Niagara Tunnel

Procurement & Supply Mix  
in Ontario

Making  
the Pieces  
Fit

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17th Annual Canadian Power Conference & Trade Show

November 21-22, 2005 • Metro Toronto Convention Centre, South Building, Toronto, Ontario • 416-322-6549



# APPPrO 2005

## Objectives of APPrO 2005

- Define improvements to Ontario's procurement processes that support the business interests of existing generators and that are attractive to investors in new generation capacity in Ontario;
- Create financial vehicles that are sustainable and make good business sense to both sides;
- Develop a coherent industry position(s) to assist the OPA in making sound, long-term procurement policy decisions;
- Construct a power generation system better able to keep costs down and protect the environment;
- Identify features that need to be built into procurement contracts that make them flexible enough to adapt to anticipated changes in the business and economic environment.

**APPrO 2005 will draw the who's who of the power generation industry in Ontario to its sessions. Our speakers, panelists and forum participants will address the following topics:**

- Roles of the regulators
- Options for procurement
- Workable approaches to managing the supply mix
- Mechanics of accommodating new generation
- Regulatory barriers that need to be resolved
- Realistic options for replacing existing capacity
- Transmission system upgrading
- Getting to multiple buyers and a functional forward contract market
- Enhancing opportunities for cross-border trade

### Dear APPrO 2005 Sponsors, Exhibitors and Delegates:

Ontario is counting on us to provide safe, reliable, clean and affordable electricity to power our economy as we tackle the challenge of replacing, rebuilding and refurbishing 25,000 MW of Ontario's electrical power generating capacity over the next several decades.

Since we gathered last November, the pace of change in our industry has quickened yet the path ahead still remains unclear. Our most critical days are ahead of us. Our goal at APPrO 2005 is to help you adapt to accelerated change, provide focus to your business plans and ensure you are equipped to make sound business decisions.

The scope of the project is enormous: the opportunity, unprecedented. We are shaping the destiny of our industry, Ontario, and Canada as a whole. Are we ready to meet the challenge? You bet.

See you at APPrO 2005!

Sincerely,  
David Butters,  
APPrO President



**At APPrO 2005, we will answer your questions  
and make *all the pieces fit*.**

## Keynote Speakers



**Hon. Donna Cansfield**  
Minister of Energy



**Tom Parkinson**  
CEO, Toronto Hydro



**Howard Wetston**  
Chair of the OEB



**Hon. John Manley**  
McCarthy Tetrault LLP



**Amir Shalaby**  
Ontario Power Authority



**Duncan Hawthorne**  
CEO, Bruce Power



**Paul Bradley**  
Ontario Power Authority



**Dave Goulding**  
CEO, Independent  
Electricity System Operator

### Select Speakers:

**David Butters**

Association of Power Producers  
of Ontario

**Bruce Boland**

Ontario Power Generation Inc.

**Barry Chuddy**

Enersource Hydro Mississauga

**Julie Girvan**

Consumers Council of Ontario

**Fred Hassan**

E.R.A.

**Robert Hornung**

Canadian Wind Energy Association

**Charlie Macaluso**

President and CEO,  
Electricity Distributors Association

**Rob McLeese**

Access Capital

**Paul McMillan**

EPCOR

**John McNeil**

Gestalt-LLC

**Jeffry Myers**

Pristine Power

**Sandy O'Connor**

TransAlta

**Stephen Probyn**

Probyn & Company

**Mike Richmond**

McMillan Binch Mendelsohn LLP

**Barry Chuddy**

Enersource Hydro Mississauga

**David Santangeli**

Energy Fundamentals Group

**James Sidlofsky**

Borden Ladner Gervais LLP  
Chair, Industry Task Force on  
Distributed Generation

**Mike Stedman**

Middleton Energy

**Paul Wendelgass**

Calpine

**Adam White**

Association of Major Power  
Consumers in Ontario

Updated list of Speakers at

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

All sessions take place in Room 801 unless otherwise noted.

- 7:00 am Daybreak coffee service,  
Hosted by Access Capital, and Northland Power
- 8:30 am **Conference Opening and Introduction**  
**Stephen Somerville,**  
Probyn and Company, Conference Chair

**Theme: The roles of the regulators**

- 8:45 am **Opening Keynote:**  
**Howard Wetston,** Chair of the Ontario Energy Board
- 9:15 am **Keynote:**  
**Amir Shalaby,** Ontario Power Authority

**Theme: The options for procurement**

- 9:45 am **Generator Views on procurement and the supply mix**  
**Linda Bertoldi,** Borden Ladner Gervais LLP, Moderator  
**Sandy O'Connor,** TransAlta  
**Jeffrey Myers,** Pristine Power  
**Ted Baldwin,** Calpine
- 10:15 am Coffee Break, Hosted by Suncor
- 11:00 am **Generator and financier views on procurement**  
**Linda Bertoldi,** Borden Ladner Gervais LLP, Moderator  
**Paul McMillan,** EPCOR  
**Bruce Boland,** Ontario Power Generation Inc.  
**David Santangeli,** Energy Fundamentals Group  
**Stephen Probyn,** Probyn & Company  
**John McNeil,** Gestalt LLC

Central question:

**What can be done to improve procurement in the near term?**

**Questions and discussion:**

1. What advice should the industry give to the OPA on procurement?
2. What kind of procurement processes would attract you to this market or make it better, and what would be a show-stopper from a financing perspective?
3. How could the system be designed to better meet the objectives of cost minimization and environmental protection?

4. What features need to be built in to make today's contracts transferable to a different context in the future?
5. How to keep the existing generators serving the Ontario market when the NUG contracts expire?

12 noon: Lunch in the Trade Show, Hosted by OPG

- 1:30 pm **Contract Design**  
**Paul Bradley,** VP of Generation Development, OPA  
Introductions by **Mark Rodger,** Borden Ladner Gervais LLP

**Theme: The mechanics of accommodating new generation**

- 2:15 pm **Keynote: Tom Parkinson,** CEO, Hydro One  
Introductions by **David Brown,** Stikeman Elliott LLP
- 2:45 pm Coffee Break in the Trade Show, Hosted by Navigant
- 3:00 pm **Sector Leaders Forum:**  
**Where should we be taking Ontario?**  
Representatives from each of the key sectors put forward their views on the direction the power sector is taking and the desirable "end-state." What are the characteristics of a successful market, and in particular what's necessary to get to a situation of multiple buyers?  
**Ron Clark,** Aird & Berlis LLP, Moderator  
**Charlie Macaluso,** President and CEO, EDA  
**Adam White,** Ass. of Major Power Consumers in Ontario  
**David Butters,** Association of Power Producers of Ontario  
**Julie Girvan,** Consumers Council of Ontario  
**Judith Andrew,** CFIB
- 4:30 pm APPRO A.G.M., Room 802B
- 5:00 pm Reception in the Trade Show, Hosted by AECL
- 6:00 pm Banquet Dinner, Hosted by Borden Ladner Gervais LLP  
Located one floor up in Room 701
- 7:00 pm **Keynote: Hon. Donna Cansfield,** Minister of Energy  
Hedley Palmer Award
- 8:30 pm Power Mixer at the Steam Whistle Brewery  
Hosted by Blake, Cassels & Graydon LLP

- 7:00 am Breakfast, Hosted by Probyn & Company, and Sun Life Financial  
Introduction by **Ken Petrunik,** AECL
- 8:30 am **Keynote: Duncan Hawthorne,** CEO, Bruce Power

**Theme: Resolving regulatory barriers**

- 9:00 am **The panoply of regulatory issues that need streamlining**  
**Mike Richmond,** McMillan Binch Mendelsohn LLP
- 9:15 am **Issues across the electricity/gas interface**  
- The implications of anticipated changes in the market and regulatory systems for gas and electricity  
- How to manage in a higher-price and higher-risk environment  
**Tom Brett:** Gowling, LaFleur Henderson LLP, Moderator  
**Fred Hassan,** E.R.A.: Challenges for generators that can be expected to arise from changes in the regulatory arena and market conditions.  
**Mike Stedman,** Consultant: What are the services issues from gas industry perspective; APPRO's submissions in the NGF process.  
**Rob Cary,** R Cary Associates: Implications for the electricity market (operations, procurement and other challenges.)
- 10:30 am Coffee break, Hosted by Epcor
- 11:00 am **Current "Hot Market topics"**  
**Dave Goulding,** CEO, IESO  
**A.J. Goulding,** London Economics Int. LLC, Moderator  
Open discussion with market participants  
- Latest proposals from the IESO for Day Ahead reliability arrangements  
- Other issues, to be announced
- 12 noon Lunch in the Trade Show, Hosted by Stikeman Elliott LLP
- 1:30 pm **The Cross-Border Opportunity:**  
**How to enhance Canada-US energy trade**  
A one-time only forum for industry and government officials to identify unnecessary barriers to trade and

explore opportunities to reduce them.

Issues of concern:

- Why increased trade would benefit both sides and how to reduce impediments
- Impact of the US energy bill on cross border trade potential
- Supply incentives and regulatory streamlining
- Cross-border emission markets
- Energy Security

Presented in co-operation with the US Commercial Service of the US Department of Commerce

**Robert G. Power,** Co-Chair, National Energy Group, Moderator, Blake, Cassels & Graydon LLP  
**Ms. Jessica LeCroy,** US Consul General

**Theme: Prospects for increased cross-border trade**

**David Pumphrey,** Deputy Assistant Secretary for International Energy Co-operation, US Department of Energy  
**Graham Flack,** Associate Assistant Deputy Minister, Energy Policy Sector, Natural Resources Canada  
**David J. McFadden,** Gowling Lafleur Henderson LLP, member of the bi-national task force on the 2003 blackout

**Theme: The impact of recent legislation and further changes recommended**

**Doron Ezickson,** Co-Chair of the Energy Group, McDermott Will & Emery  
**John Easton,** Vice-President of the Edison Electric Institute

- 2:40 pm Coffee break, Hosted by London Economics Int. LLC

**Theme: Toward seamless trade in power and emission reductions**

- 3:00 pm **Nathan L. Rudgers,** Commissioner, New York State Department of Agriculture and Markets  
**Paul McCuaig,** Powerex
- 3:30 pm **Keynote: Hon John Manley,** McCarthy Tetrault LLP  
Former Deputy Prime Minister and Minister of Foreign Affairs  
Questions and discussion
- 4:00pm Conclusion

## Monday, November 21

All sessions take place in Room 803 unless otherwise noted.

- 2:15 pm **Principles for reliable and stable Supply Mix**  
Generators are concerned about defining the roles for bulk supply, renewables, co-generation, and distributed generation in a way that is stable enough to allow for long-term investment. Planners and regulators are concerned about ensuring that reliability and sustainability remain primary drivers in the standards that are defined for the management of the mix. A single solution is needed that will address both sets of concerns.  
**Skip Willis**, ICF Consulting, Moderator  
**Paul Murphy**, IESO  
**Robert Hornung**, Canadian Wind Energy Association  
**Rob McLeese**, Access Capital  
**Mike Granowski**, Navigant Consulting  
Open discussion
- 3:15 pm Coffee break, Hosted by Navigant Consulting
- 3:45 pm **Unrecognized benefits: Emission reduction markets that are useful for Canadian generators**  
**Douglas Thomson**, McCarthy Tétrault, Moderator  
**Judith Hull**, Environment Canada (invited)  
**Scott McDougall**, President of TerraChoice  
**Sandeep Pandher**, Policy Coordinator, North American Affairs, International Emissions Trading Association  
**Mike Butters**, MBC Energy and Environment: "Lessons learned in Ontario including protocol preparation, verifications and registry submissions"  
**Lisa DeMarco**, Macleod Dixon

An opportunity to compare perspectives and develop an industry view on the following critical issues:

- How to prevent the development of overly-complicated mechanisms and procedures
- How to resolve the problem of uncertainty with respect to who's in charge of overall administration and how authorities are divided up amongst the responsible parties
- How to create reasonable transferability between the different emission reduction markets.

Note: This year the Green Power Conference will be covering issues in which the green power industry is a leading player, rather than trying to deal with issues exclusively concerning green power. Similarly, the main power conference will address issues of concern to all parts of the power sector, both green and otherwise. The differences between the two sides are shrinking over time.

## Tuesday, November 22

- 9:00 am **Creating a stable role for distributed generation – and a workable standard offer program**  
**Edith Chin**, Enbridge, Moderator  
**James Sidlofsky**, Borden Ladner Gervais LLP  
Chair of the DG Task Force  
**Melinda Zytaruk**, Ontario Sustainable Energy Ass.  
**Barry Chuddy**, Enersource Hydro Mississauga  
**Bob Hunt**, Optimum Technologies Inc.:  
"Grid optimization and how LDCs can run DG and DR programs competitively"
- 10:00 am Coffee Break, Hosted by EPCOR
- 10:15 am **Workshop on Combined Heat and Power (CHP) procurement options**  
This will be an opportunity for the OPA to collect input from the industry regarding the procurement process for co-generation, and to summarize advice received in the consultation process for the soon-to-be released RFP for CHP. Introductions by **Paul Harmon**, R.W. Beck  
**Paul Bradley**, OPA: The process, and Moderator  
**Safouh Soufi**, SMS Energy-Engineering: Technical issues  
**John Dalton**, Navigant Consulting: Business issues
- 12 noon Lunch in the Trade Show, Hosted by Stikeman Elliott
- 1:30 pm **Co-generation Technology Workshop**  
**Manfred Klien**, Senior Program Engineer, Electricity & Industrial Combustion, Environment Canada
- Review of the various types of CHP projects across Canada with a focus on Ontario
  - Why is Combined Heat & Power important?
  - How important is energy conservation, system efficiency?
  - The role of District Energy
  - Is use of waste heat "green energy"?
  - What is Quality of Energy?
  - What are the Benefits, and the Implementation Barriers?
  - Review of installed infrastructure
  - What is the future potential?
  - How can this be realized?
  - Roles of Federal/provincial governments, industry associations
- \* Introduction to CHP Systems in Canada: **Manfred Klein**
  - \* Municipal CHP and Biomass: **John Stephenson**, FVB Energy
  - \* Recent experience in biogas technology applications: **Jane Buijk**
  - \* Industrial Cogeneration: **Manfred Klein**
- 3:00 Coffee Break
- \* Markham District Energy: **Bruce Ander**
  - \* Solutions to Barriers: **Manfred Klein**
- Conclusion

APP<sub>r</sub>O, 25 Adelaide Street East, Suite 1602, Toronto ON M5C3A1 Fax: 416-481-5785

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**Yes!** Please register me for APP<sub>r</sub>O 2005

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Please contact APP<sub>r</sub>O at (416) 322-6549 for more detail.

Refunds will not be issued for cancellations after October 15. Cancellation fee may apply. Conference and Trade Show fees subject to GST: #125298802.

Attendees may reserve a room at the InterContinental Toronto Centre by November 7, at a special APP<sub>r</sub>O 2005 rate of \$169.00 per night. The InterContinental Toronto Centre is located adjacent to the Metro Toronto Convention Centre, at 225 Front St. West. Accommodation is limited. Call InterContinental toll free: 1-888-303-1758.

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Reception



Lunch Day 1

ONTARIO POWER  
GENERATION

Lunch Day 2

STIKEMAN ELLIOTT

Coffee Break

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or the latest information and speakers

APPRO 2005's Conference Program is dynamic & subject to change.



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