

CONFERENCE PARTNERS



Mission

The mission of the Queen's Institute for Energy and Environmental Policy (QIEEP) is to investigate alternative energy and environmental policies and generate pragmatic advice that is relevant and accessible to the public, to private business and to governments at all levels.

Research

The Institute encourages independent, multi-disciplinary investigation so that scientific, technological, social, legal, psychological, philosophical and economic research capabilities are brought to bear on its mission.

Outreach

The Institute offers a variety of venues (conferences, workshops, seminars and publications) whereby the best academic minds, armed with the latest independent research, can interact with policy makers and advisors in government, non-governmental organizations, the media and private industry.

www.queensu.ca/sps/qieep



The Council for Clean and Reliable Electricity is a not-for-profit, public policy and research organization established to contribute to the policy debate on the future development of Ontario's electricity system.

The Council is a non-partisan, independent organization that believes in a comprehensive and inclusive approach to the challenges facing the generation, transmission and delivery of electricity in Ontario.

Council members include senior academics and professionals, former executives of Hydro One and Municipal utilities, former Ontario Cabinet and Deputy Ministers, and a retired General from the Canadian Armed Forces.

The Council looks forward to the support and participation of other individuals and organizations who share our concerns about ensuring realistic, achievable, solution-oriented approaches to maintaining both the reliability and environmental safety of Ontario's electricity network.

www.thinkingpower.ca

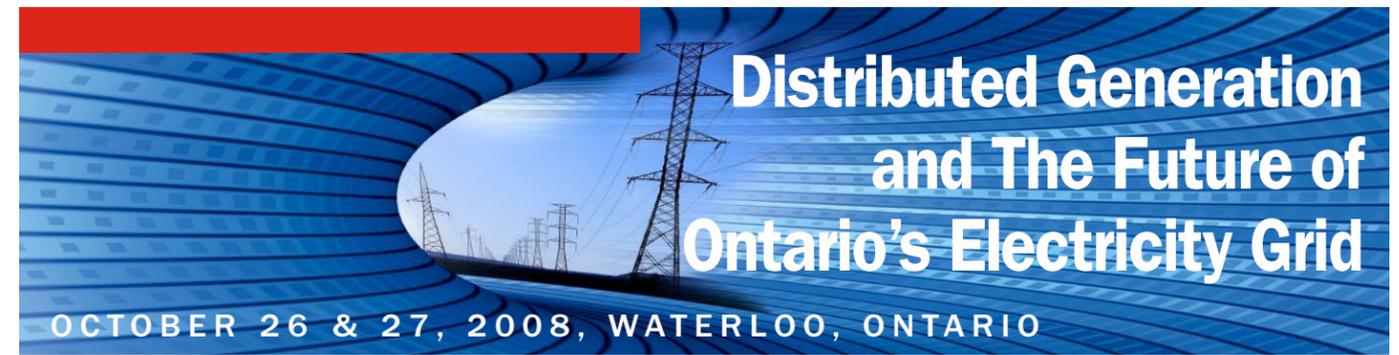


The goal of the Waterloo Institute for Sustainable Energy (WISE) is to promote the development of innovative energy systems and policies that enhance social, economic and environmental performance for long term sustainability. Our mission is to conduct innovative research and provide solutions for timely implementation by businesses, government and industry.

More than 70 faculty members working as multi-disciplinary teams across faculties of Engineering, Science and Environmental Studies are involved in research studies with utilities, private sector partners and government agencies to advance work in a number of areas including the integration of distributed generation systems.

<http://www.wise.uwaterloo.ca/>

CONFERENCE SPONSORS



OCTOBER 26 & 27, 2008, WATERLOO, ONTARIO

Conference presented by



The Waterloo Inn & Conference Centre, 475 King Street North, Waterloo, ON N2J 2Z5 Canada

SUNDAY, OCTOBER 26, 2008

4 - 5:00 pm **Registration**

5 - 9:00 pm **Reception and Dinner**

Conference Chair Glen Wright, *Chair, Council for Clean & Reliable Electricity*

Dinner Speaker The Hon. George Smitherman, *Deputy Premier and Minister of Energy and Infrastructure*

10 -10:30 am **Coffee**

10:30 - 12:00 noon
Session 2: Regulatory and Political Constraints

This session details the multiple permissions and regulatory processes for building new energy infrastructure in the province. These include federal, provincial and local hurdles that are made increasingly more complicated by NIMBYISM and the more recent, but critical, "duty to consult" with First Nations.

Chair Tom McLaren, *Principal, Bridgepoint Group Ltd.*

Speakers

Mike Richmond, *McMillan Binch Mendelsohn*
James Sidlofsky, *Borden Ladner Gervais*
Paul Manning, *Willms & Shier Environmental Lawyers*

12:00 - 1:30 pm **Lunch**

John Kim Bell, *President & CEO, Bell and Bernard Ltd.*
Mr Bell will speak on First Nations perspectives on energy development and electrical grid expansion in Ontario.

1:30 - 3:00 pm

Session 3: Distributed Generation and LDC's

This session reviews the key technologies and economics of distributed generation embedded within large load centres (versus large scale centralized plants located at some distance from load). The session reviews the problems and prospects as seen by local distribution companies.

Chair George Todd, *President, George Todd Consulting*

MONDAY, OCTOBER 27, 2008

7:30 - 8:30 am **Breakfast**

8:30 - 10:00 am

Session 1: Ontario's Transmission Requirements

This session examines the multiple transmission requirements implied by the Ontario Government's generation mix mandate and the reliability requirements of the Ontario electrical grid as indicated in the Integrated Power System Plan. Subjects for discussion include the additional high voltage transmission out of the Bruce Nuclear plants and the "enabler lines" required to access increasingly remote renewable wind and water generation sites over the life of the plan.

Chair Sean Conway, *Special Advisor to the Principal, Queen's University*

Speakers

Ken Kozlik, *Chief Operating Officer of IESO*
George Vegh, *McCarthy Tétrault*
Joe Toneguzzo, *Director, Implementation and Policies, Ontario Power Authority*

Speakers

Dr. Jatin Nathwani, *Executive Director, Waterloo Institute for Sustainable Energy, University of Waterloo*
Bradley Smith, *Vice President, Business Development, Plasco Energy Group Inc.*
John Grotheer, *President & CEO, Cambridge and North Dumfries Hydro Inc.*
Rene W. Gatién, *President & CEO, Waterloo North Hydro Inc.*

3 - 3:30 pm **Coffee**

3:30 - 5:00 pm

Session 4: Transmission/Distribution System Futures?

This session is devoted to alternate visions of the Ontario electricity grid. Will it (or should it) be the traditional model of large scale generating plants located a long distance from load, or will it be more focused on the distributed generation model with generation embedded within large load centres? While the latter model minimizes the need for new transmission lines, it raises an entirely new set of issues with respect to meeting local reliability requirements.

Chair Bryne Purchase, *Executive Director, Queen's Institute for Energy and Environmental Policy*

Speakers

Jan Carr, *Corporate Director and former CEO of Ontario Power Authority*
Don MacKinnon, *President, Power Workers' Union*
Steve Dorey, *Vice President, External Relations, Hydro One Networks Inc.*
Robert Stasko, *Director Business Development, Ontario Centre of Excellence for Energy*

KEYNOTE SPEAKERS



THE HONOURABLE GEORGE SMITHERMAN, is Deputy Premier of Ontario and Minister of Energy and Infrastructure. He was first elected in downtown Toronto in 1999, but his interest in politics was sown 20 years earlier. Inspired by Pierre Trudeau, he gained experience at all three levels of government, working with several senior political leaders.

From his home base in Toronto's gay community, where he owned a small business for nearly a decade, Smitherman launched his campaign for public office. He is Ontario's first openly gay MPP and cabinet minister. In the community, Smitherman is well known for his advocacy in areas such as housing, community economic development, protection of pension rights, efforts to combat guns and drugs, and human rights issues.

Prior to his current portfolio, Smitherman acted as Ontario's longest serving Minister of Health and Long-Term Care in the past quarter century.



JOHN KIM BELL, President & CEO, Bell and Bernard Ltd.

John Kim Bell serves as an Intervenor on behalf of the Assembly of First Nations and the National Chief's Office in the Integrated Power System Plan (IPSP) review process that will lay out the plan for energy production in Ontario for the next 20 years.

He advises organizations such as Enbridge, Brookfield Power, the government of Ontario, the Ontario Power Authority and the Ontario Energy Board with respect to the role that First Nations will play in the development of energy projects in Canada.

Mr. Bell is a celebrated musician, conductor and composer who has received the Lifetime Achievement Award from the Royal Conservatory of Music. He is the founder of the Canadian Native Arts Foundation, the National Aboriginal Achievement Foundation and the National Aboriginal Achievement Awards. He has received the Order of Canada and Ontario and is a recipient of the Royal Bank Award for Canadian Achievement.

CONFERENCE PRESENTERS

GLEN WRIGHT, Chair, Council for Clean and Reliable Electricity

Glen Wright is the Chair of the Council for Clean and Reliable Electricity. He has extensive experience in public policy and government providing key advice to National and Provincial leaders.

Mr. Wright led major restructuring initiatives as Chair of Hydro One Inc. and Chair of the Workplace Safety and Insurance Board providing significant improvements to both organizations. His private sector career has focused on the insurance and actuarial industry where he founded and operated one of the top ten pension and benefit companies.

Mr. Wright has served on the board of a wide range of corporations, charitable and not-for-profit organizations. He is currently serving as Chair of PrinterOn Corp., Med-manager Interactive Corp., and as a director of Turbosonic Corporation, Miele Automation and LeanCor LLC.

SESSION 1:

SEAN CONWAY, Special Advisor to the Principal, Queen's University

Sean Conway is a member of the board of the Ontario Centres of Excellence, Mr. Conway is the Chair of the recently created Centre of Excellence for Energy. He is also a public policy advisor with the law firm Gowling, Lafleur Henderson LLP, and a public affairs analyst on TV Ontario. Prior to joining Queen's, Mr. Conway was a Member of the Ontario Legislature for 28 years, including five years as a Cabinet Minister in the Government of Premier David Peterson. While in Cabinet, Mr. Conway served as Minister of Education, Government House Leader and Minister of Mines. He is a former Energy Critic for the Official Opposition and served on two Ontario Select Committees on Nuclear Affairs.

KEN KOZLIK, Chief Operating Officer, IESO

Ken Kozlik is the Vice President, Market and Systems Operations and Chief Operating Officer of the Independent Electricity System Operator (IESO). As COO, he is responsible for managing the operation of Ontario's competitive wholesale electricity market and for directing the operation of the IESO controlled electricity grid. He is also responsible for forecasting and assessing resource and transmission adequacy and ensuring reliability will not be jeopardized throughout the largest infrastructure changes that Ontario's power system has ever faced. Mr. Kozlik is a 29 year veteran of the electricity industry.

GEORGE VEGH, Lawyer, McCarthy Tétraut

George Vegh is the head of McCarthy Tétraut's Toronto energy regulatory practice. Prior to joining McCarthy Tétraut, Mr. Vegh was the General Counsel of the Ontario Energy Board (OEB). Mr. Vegh provides advisory and advocacy services to domestic and international energy players. He works with clients to develop and implement their regulatory strategy. Mr. Vegh teaches Energy Law and Policy at the University of Toronto Law School as an Adjunct Professor and as an Associate Member of the Graduate Faculty. He is also a member of the Board of Directors of the Ontario Energy Association.

JOE TONEGUZZO, Director, Implementation and Policies, Ontario Power Authority

Mr. Toneguzzo is the Director of Implementation and Approvals with the Power System Planning Group of the Ontario Power Authority (OPA). Prior to joining OPA, he worked for 30 years for Hydro One and Ontario Hydro holding senior positions with System Planning, Asset Management, Regulatory Affairs and Operations.

Mr. Toneguzzo has been involved in the development and evolution of many of the Rules and Codes which govern the Ontario electricity market. He has participated in the International Council on Large Electric Systems, served as the Canadian representative for the Study Committee involved in System Planning and Asset Management, and was the recipient of the CIGRE Technical Committee Award for significant contributions to the industry. He has also been active in the Canadian Electrical Association and is the author of several papers in a number of industry publications.

SESSION 2:

TOM McLAREN, Principal, Bridgepoint Group

Tom McLaren is the Principal of Bridgepoint Group, a leading Toronto based management consulting firm that specializes in business strategy and development of Energy and Infrastructure solutions in Canada including Public-Private Partnership and Alternative Financing and Procurement projects as well as other major procurement projects.

Mr. McLaren has had an extensive government and consulting career in Alberta, Ontario and Europe. He has served in major management capacities in Finance, Health and other government ministries, as well as Cabinet offices. In his consulting career, he has provided public policy advocacy and stakeholder relations advice on energy issues involving conventional oil and gas development, oil sands, pipelines, power transmission and renewable energy development including wind power. He has served as president of one of Canada's largest public affairs consulting firms as well as the firm's international President with a focus on the European Union.

MIKE RICHMOND, Lawyer, McMillan Binch Mendelsohn

Mike Richmond is a lawyer in McMillan LLP's Energy Law, Emissions Trading and Climate Change, and Government Relations Practice.

Mr. Richmond provides corporate, regulatory and financing advice to developers, investors and lenders of power projects, including renewable energy projects, district energy systems, co-generation facilities and demand-side management. He has acted for electricity distributors and for energy and telecommunications clients. Mr. Richmond has provided advice in relation to power purchase agreements, gas purchase agreements and development and connection agreements. As well, he has represented numerous clients in the distribution, metering, generation and municipal sectors with respect to the development and promotion of government policy positions. Mr. Richmond has advised the Ontario Power Authority in the development of Ontario's first Standard Offer Program.

JAMES C. SIDLOFSKY, Borden Ladner Gervais LLP

James Sidlofsky is a Partner in the Energy Markets and Infrastructure Group in Borden Gervais LLP's Toronto office. He advises electricity distributors, generators and retailers, as well as industrial and commercial electricity consumers on a wide range of regulatory matters. In addition, he represents clients before the Ontario Energy Board in electricity and natural gas-related proceedings.

Mr. Sidlofsky is the Chair of the Industry Task Force on Distributed Generation, which participated in the OEB's proceeding regarding the development of the 2006 Electricity Distribution Rate Handbook. He is also a director of WADE Canada, the Canadian affiliate of the World Alliance for Decentralized Energy.

PAUL MANNING, Willms & Shier Environmental Lawyers LLP

Paul Manning is a partner at Willms & Shier Environmental Lawyers LLP in Toronto. He is a member of the Executive Committee of the National Environmental, Energy and Resources Law Section of the Canadian Bar Association and a member of the Environmental sub-committee of the Ontario Energy Association. Mr. Manning's environmental law practice includes energy law, civil litigation and defence to prosecution, administrative law, aboriginal law and planning law. He has appeared as counsel before the Courts in Ontario and at Tribunals including the Ontario Energy Board and the Ontario Municipal Board.

Mr. Manning practiced environmental and planning law for many years. He has spoken on environmental issues nationally and internationally and has produced articles for publication in legal periodicals in both Canada and the United Kingdom.

SESSION 3:

GEORGE TODD, President, George Todd Consulting

George Todd is President of George Todd Consulting, a firm providing strategy development and performance management consulting services to public and private sector clients.

Under his leadership as the founding President and CEO of Barrie Hydro, he led the organization to operational excellence by significantly improving performance. Prior to that, he was General Manager of the Barrie PUC from 1997 to its merger into Barrie Hydro. Mr. Todd was Chair of the Board of SCBN Telecommunications Inc., a joint venture company providing broadband fibre optic communication services.

DR. JAN NATHWANI, Professor and Ontario Chair in Public Policy and Sustainable Energy Management, Faculty of Engineering and Faculty of Environmental Studies at the University of Waterloo, Executive Director, WISE.

Dr. Nathwani's primary role is to lead a multi-disciplinary effort to develop and promote cleaner energy technologies and policies, to improve Ontario's environmental, social and economic performance over the long-term.

Dr. Nathwani brings a wealth of experience from the energy sector and has contributed to the evolution of the current structure of the electricity sector in Ontario. He has been a contributor to the development of Ontario Power Authority's 'Integrated Power System Plan' and has over 80 publications related to energy and risk management including four books.

BRADLEY SMITH, Vice President, Business Development, Plasco Energy Group Inc.

Prior to assuming his position at Plasco Energy Group Inc., Mr. Bradley was successful in driving growth while in a number of diverse commercial and operational roles. At GE Canada, he was responsible for establishing growth opportunities by defining the corporate strategic growth plan, developing new commercial markets, directing commercial initiatives and fostering relationships with key stakeholders in private and public sectors.

JOHN GROTHEER, President and CEO of Cambridge and North Dumfries Hydro Inc.

As the President and CEO, Mr. Grotheer is responsible for the company's growth and prosperity serving the needs of over 49,000 customers in the City of Cambridge and the Township of North Dumfries.

Mr. Grotheer has held the positions of Director of Finance and General Manager at Cambridge and North Dumfries Hydro. Prior to that, he held senior financial positions in the Rogers Communications group of companies.

RENE GATIE, President & CEO of Waterloo North Hydro Inc.

Mr. Gatie has been in the electricity industry since 1975. He was involved in projects on cogeneration and small generation sites, transmission systems, distribution systems and transformer stations.

He has worked as both a Distribution and Lines Engineer with Brampton Hydro and was Vice-President of Operations at Guelph Hydro where he was a key player in starting a managed fibre-optic network. Additional positions include: member of the OEB Task Force that developed the first draft of the Distribution System Code, Chair of the Trades Training Committee at the Municipal Electric Association and member of the MEA Task Force. He is a member of the Board of Directors for the Electricity Distributors Association.

SESSION 4:

DR. BRYNE PURCHASE, Executive Director, Queen's Institute, Energy & Environmental Policy

Bryne Purchase is a former Deputy Minister of Finance, Revenue, Economics and Energy, Science and Technology in the Government of Ontario. He is currently an Adjunct Professor at the School of Policy Studies, Queen's University and the Executive Director of the Queen's University Institute for Energy and Environmental Policy. A PhD graduate in Economics from the University of Toronto, Dr. Purchase is the author of a number of publications relating to governance, economics and competitiveness.

JAN CARR, Corporate Director & former CEO, Ontario Power Authority

Jan Carr was the CEO of Ontario Power Authority and was the Vice Chair of the Ontario Energy Board during its transition from a government department to a self-funding independently operated tribunal.

He has over 35 years of experience in the electricity sector as a professional engineer holding senior positions in the design and planning of electricity transmission and distributions systems. He has been a consultant to

utilities, government and others on the financial, business, strategic and policy aspects of the electric power industry.

Mr. Carr has served on the Board of Directors of both a publicly traded generation company and a privately held infrastructure investment fund. As well, he was a member of the Advisory Committee on Competition in Ontario's Electricity System, Chair of the Electricity Task Force of the Toronto Board of Trade, Commissioner and Chair of the municipally-owned electric utility in Niagara-on-the-Lake and Regional Chair of the Municipal Electric Association.

DON MACKINNON, President of the Power Workers' Union

Don MacKinnon has been President of the Power Workers' Union, an electricity industry workers' union since May 2000 and a lineman by trade since 1971. He was Vice-President of the Union for 11 years prior to being elected President. In 2000, Mr. MacKinnon was appointed by the Minister of Energy, Science and Technology, to the Electricity Transition Committee. He was a member of the Board of Directors of the Electrical and Utilities Safety Association and the Retail Management Board of Ontario Hydro. In 2003, Mr. MacKinnon was appointed by the Minister of Energy to the government's Electricity Conservation and Supply Task Force. In 2005, Mr. MacKinnon became a member of the Canadian Nuclear Association's Board of Directors.

STEVE DOREY, Vice President, External Relations, Hydro One Networks Inc.

As Vice President of External Relations of Hydro One Networks Inc., Mr. Dorey is responsible for coordinating the company's relations with the Government of Ontario as well as with various industry groups.

He was the Executive Director for the Electricity Conservation and Supply Task Force where he brought together energy industry leaders of major power producers, transmission and distribution companies, consumer groups and energy efficiency advocates. The Task Force produced a report, Tough Choices: Addressing Ontario's Power Needs which provided a foundation for developing responsible and sustainable policy for Ontario's electricity sector.

Mr. Dorey has held a number of key positions including Senior Vice President, Strategic Planning, Hydro One Networks, ADM Economic Policy and the Province's Chief Economist and a variety of senior positions with the Ministry of Finance.

ROBERT STASKO, Director Business Development, Ontario Centre of Excellence for Energy

Robert Stasko is a business development professional with extensive experience in the electricity sector. He is a senior energy technology specialist who has worked in a wide range of management positions involving R&D, product development, market assessment and project implementation. He has also worked within government to assist in the development and implementation of major energy policy initiatives. Mr. Stasko has been responsible for directing energy technology commercialization projects and has recently focused on the Ontario energy technology arena through his position as Director of Business Development at the Ontario Centre of Excellence for Energy.