

What Happens Now?

POST-LTEP CONFERENCE

Thursday, March 20, 2014

Mowat ENERGY

Schedule of Events

12.45-13.30 Registration and Coffee

13.30-15.00 Future Governance of the Sector: Markets, Technical Experts or Politics?

KEY THEMES

How is the Ontario energy sector governed now? What is the relationship between politics, regulation and the market?

MODERATOR

Sean Conway, *Ryerson's Centre for Urban Energy*

SPEAKERS

Donald Dewees, *Professor Emeritus, Economics, University of Toronto*

Bryne Purchase, *Adjunct Professor, Queen's University*

Jatin Nathwani, *Ontario Research Chair in Public Policy for Sustainable Energy, University of Waterloo; Executive Director, Waterloo Institute for Sustainable Energy*

15.00-15.15 Coffee Break

15.15-16.45 CHP Development: Municipal and Industrial Policies

KEY THEMES

CHP for resiliency, what are the barriers/solutions to implementation, and what does CHP mean for LDCs and energy policy?

MODERATOR

Richard Laszlo, *Director, Research and Education, QUEST*

SPEAKERS

Michael McRitchie, *Director of Plant Operations and Maintenance, Sunnybrook Hospital*

Andrew Hejnar, *Energy Manager, 3M*

Martin Lensink, *Founder and Principal-In-Charge, CEM Engineering*

Atul Mahajan, *President and CEO, Oshawa PUC Networks*

About the Mowat Centre

The Mowat Centre is an independent public policy research centre located at the School of Public Policy and Governance at the University of Toronto. The Mowat Centre is Ontario's non-partisan, evidence-based voice on public policy. It undertakes collaborative applied policy research, proposes innovative research-driven recommendations, and engages in public dialogue on Canada's most important national issues.

About Mowat Energy

Mowat Energy conducts evidence-based policy research concerning the structural and systemic issues impacting the energy sector in Ontario and Canada. Mowat Energy is generously funded by Enbridge Gas, the Independent Electricity System Operator, the Ontario Energy Association, the Ontario Power Authority, Toronto Hydro, and Union Gas.

Speaker Biographies



Sean Conway RYERSON'S CENTRE FOR URBAN ENERGY

Sean Conway joined the Centre for Urban Energy as a Distinguished Research Fellow in February 2012. As one of the longest serving Members of the Ontario Legislature, Sean has had an active interest in Ontario's energy debate for over 30 years.

Sean is a Public Policy Advisor with the national law firm Gowling Lafleur Henderson LLP and past Chair of the Board of Directors of the Ontario Centres of Excellence (OCE). He is also a public affairs analyst on various television and radio programs.

A graduate of Wilfrid Laurier University and Queen's University, Sean Conway entered the Legislature in 1975 and served until his retirement in 2003. During that time, he was a member of several Select Committees on Energy. From 1985-1990, he served as Minister of Education in the Government of Premier David Peterson. Upon leaving the Legislature, he received the Churchill Society Award in the Cause of Parliamentary Democracy.



Donald N. Dewees PROFESSOR EMERITUS, ECONOMICS, UNIVERSITY OF TORONTO

Donald Dewees is Professor Emeritus of Economics and of Law at the University of Toronto. He holds an engineering degree from Swarthmore College, an LLB

from Harvard and a PhD in Economics from Harvard. He served as Director of Research for the Ontario Royal Commission on Asbestos and Vice-Chair of the Ontario Market Design Committee, which advised the government on the introduction of competition into the electricity market. He has been Vice-Dean and Acting Dean of the Faculty of Arts and Science of the University of Toronto, Interim Chair of Economics and has held other middle management positions. His research is in the areas of environmental economics including emissions trading, law and economics, and energy policy including electricity pricing. Recent publications deal with the environmental effects of electricity generation, electricity prices and renewable power, consumer response to prices and incentives.



Andrew Hejnar ENERGY MANAGER, 3M

Andrew Hejnar is 3M Canada's Energy Manager. He holds his masters degree in Energy Management, has a degree in Electrical Engineering, and has also completed industry certificates including the

Advanced Certificate in Facilities Management and Certified Energy Manager, Certified Energy Auditor, and has achieved Certified Carbon Reduction Manager accreditations.

With more than 10 years of experience in the field of energy efficiency, Andrew's focus at 3M Canada is on energy performance improvements and greenhouse gas emission reduction at the company's seven manufacturing facilities across Canada as well as office buildings. He also specializes in the implementation of Energy Management Systems and Energy Management Information Systems.

One of 3M Canada's manufacturing facilities, located in Brockville, Ontario, is Canada's first to achieve Superior Energy Performance (SEP) with ISO 50001 at the highest level – Platinum – and only the second in the world, and Andrew was instrumental to this achievement. He has also helped with the ISO 50001 certification at other 3M manufacturing facilities, including the company's oldest plant in the country, located in London, Ontario. With these two achievements, he helped 3M Canada become only the second company in the country to achieve ISO 50001 certification for two facilities.



Richard Laszlo DIRECTOR, RESEARCH AND EDUCATION, QUEST

Richard Laszlo is the Director, Research and Education for QUEST, where he is currently leading initiatives related to community energy planning, energy

infrastructure adaptation, and smart energy networks demonstration. QUEST's applied research initiatives are advancing Smart Energy Communities thinking, planning and implementation across Canada.

Prior to joining QUEST, Richard researched and authored Pollution Probe's Primer on Energy Systems in Canada, and worked on a variety of energy-related files with Ontario Ministries of Energy and the Environment, where he contributed to the development of the Renewable Energy Approval under the Green Energy and Green Economy Act.

Richard has an undergraduate degree in engineering physics from Queen's University and a master's degree from York University's environmental studies program.



Martin Lensink FOUNDER AND PRINCIPAL-IN-CHARGE, CEM ENGINEERING

Martin Lensink is a mechanical engineer who specializes in energy engineering and energy management. Martin has over 28+ years of experience

in helping energy-intensive customers manage energy through technology. He specializes in the development of high efficiency cogeneration systems based on combustion gas turbines, steam turbines, and internal combustion engines.

Martin founded CEM Engineering in 2001. CEM Engineering focuses primarily on cogeneration and energy management with the goal of providing solutions to the energy and environmental sectors. CEM Engineering's goal is to help clients increase earnings by reducing energy use and energy cost, and it specializes in Cogeneration and Energy Management solutions, hence the name. Martin is responsible for business development, operations, and execution of CEM's engineering work. Since 2001, CEM has grown to 20 people, and it focuses on six specific core areas: cogeneration, energy management; power generation; boilers; biomass/biogas; and district energy.

Prior to starting CEM Engineering, Martin was the Manager of Gas Turbine projects for Toromont Energy; he served as both Regional Sales Manager and as Manager of Canadian operations for Rolls-Royce/US Turbine Corporation; he was Senior Mechanical Engineer with SNC/W.P. London & Associates; and he held a number of positions with Union Gas in Chatham, Ontario.



Atul Mahajan

PRESIDENT AND CEO, OSHAWA POWER AND UTILITIES CORPORATION

Atul Mahajan is the President and CEO at Oshawa Power and Utilities Corporation (OPUC). In his 30 year career across North America, Europe, Africa and Asia, Atul has used his entrepreneurial spirit and extensive operational experience to bring innovation to companies in diverse industries.

As the CEO of Oshawa Power and Utilities Corporation, Atul plays a pivotal role in the overall strategic and tactical operations of OPUC and its subsidiaries involved in energy distribution, energy generation and telecom ventures. Atul is leading the team at OPUC through a major “cultural change” and strategic initiative to achieve operational excellence in all its business lines. In his career, Atul has worked extensively in negotiating and establishing joint ventures, recruiting and managing teams for such joint ventures and in developing and implementing plans for growth in diverse international markets such as Europe, Africa and Asia

Atul is also very involved in the community. He serves on the Board of Toronto East General Hospital and is active in fundraising efforts for the Heart and Stroke Foundation of Ontario.



Michael McRitchie

DIRECTOR OF PLANT OPERATIONS AND MAINTENANCE, SUNNYBROOK HOSPITAL

Michael McRitchie is the Director of Plant Operations, Maintenance, Security and Biomedical Engineering at the Sunnybrook Health Sciences Centre in Toronto,

where he is actively involved in a number of infrastructure renewal projects designed to create a safer, healthier environment for Sunnybrook’s patients, visitors and staff.

Michael has over 30 years of experience in hospital facilities management. Prior to joining Sunnybrook in 2010 he served with Fraser Health, Interior Health and Island Health in British Columbia. Michael has also served with the Canadian Healthcare Engineering Society (CHES) in various capacities.

Michael is a Certified Facility Manager (IFMA), Certified Healthcare Facility Manager (ASHE), Certified Healthcare Protection Administrator (IAHSS), Certified Engineering Technologist and Power Engineer.



Jatin Nathwani

ONTARIO RESEARCH CHAIR IN PUBLIC POLICY FOR SUSTAINABLE ENERGY, UNIVERSITY OF WATERLOO; EXECUTIVE DIRECTOR, WATERLOO INSTITUTE FOR SUSTAINABLE ENERGY

Professor Jatin Nathwani is the Ontario Research Chair in Public Policy and Sustainable Energy Management at the University of Waterloo and the Executive Director, Waterloo Institute for Sustainable Energy (WISE). His primary role at Waterloo is to lead a major multi-disciplinary effort to develop cleaner energy technologies and promote policies to improve the environmental and economic performance of the energy system over the long term. Jatin’s experience in the energy sector includes corporate

strategy, business planning, policy developments influencing the electricity sector and the planning, design and operation of critical infrastructure. His knowledge of industry practices encompasses regulatory affairs, environmental health and safety issues and drivers of innovation in business practice. Recently, as a member of the Ontario Smart Grid Forum, he has contributed to the shaping of the vision and policies for enabling the smart grid. His current focus is on driving innovation to lower cost to enable renewable resources to be embedded into flexible micro grids. He also spearheaded the largest North American pilot test of consumer propensity to reduce energy use through “real time-feedback” and controls. Over the past two decades, he led the formulation and development of “The Life Quality Index” – an innovation gaining increasing acceptance in risk analysis for use as an effective policy tool for managing life safety risk under the constraint of scarce resources. He has over 80 publications related to energy and risk management, including four books.



Bryne B. Purchase

ADJUNCT PROFESSOR, QUEEN’S UNIVERSITY

Bryne Purchase is currently Adjunct Professor at the School of Policy Studies, Queen’s University, and a Fellow (and founding director) of the Queen’s University Institute for Energy and Environmental Policy. He teaches graduate courses in energy policy and Canadian economic policy. He is also a regular contributor to Queen’s Park Briefing, a Torstar online publication covering Ontario politics and economics. He has a new book, Navigating on the Titanic: Economic Growth, Energy and the Failure of Governance, McGill-Queen’s University Press.

Bryne is a former Ontario Chief Economist, Deputy Minister of Finance and Revenue and Deputy Minister of Energy, Science and Technology. He has a PhD in economics from the University of Toronto and is the author of a number of publications relating to economics, governance and competitiveness.