

# POSITIVE ENERGY

## TRUST IN TRANSITION

### OTTAWA PLANNING WORKSHOP

WEDNESDAY JANUARY 24, 2018

Fauteux Hall, 57 Louis-Pasteur Private, Ottawa, ON K1N 6N5 - Room 232

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#### Speakers:



**Monica Gattinger**, Chair, Positive Energy

Monica Gattinger is the Director of the Institute for Science, Society and Policy, Associate Professor at the School of Political Studies at the University of Ottawa and Chair of Positive Energy. Monica Gattinger's research and engagement focus on Canadian arts and cultural policy and North American energy policy. What links the two is her interest in understanding and strengthening public policy and regulation in the context of fast-paced innovation, technological change and markets, fundamental social and value change, and lower public trust in government, industry, science and expertise. She is a Fellow with the Canadian Global Affairs Institute, a member of the International Advisory Board of the DC-based think tank the Center for Policy on Emerging Technologies, a member of the Advisory Councils for Pollution Probe's Energy Exchange and Energy Ambassadors initiatives, and a member of the Editorial Boards of the University of Ottawa Press and the journal Canadian Public Administration. She holds a Ph.D. in public policy from Carleton University.



**David Morton**, Chair and Chief Executive Officer, British Columbia Utilities Commission

Prior to being appointed as Chair and CEO, David served as Commissioner from November 2010 – December 30, 2015. Bachelor of Applied Science, University of Toronto; Professional Engineer (British Columbia); Licentiate in Accounting, Society of Management Accountants Canada; certified with the ICD.D designation in 2013 by the Institute of Corporate Directors. Consultant with over 25 years of experience in the information technology sector, specializing in project management, business and technical analyst services.

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**Brenda Kenny**, adjunct professor, University of Calgary

Dr. Kenny has extensive experience in energy regulation, sustainability and strategy development. She spent a number of years with the National Energy Board, where she provided executive leadership in policy, regulatory reviews and finance. From 2008-2016, Dr. Kenny served as President and CEO of the Canadian Energy Pipeline Association (CEPA) where she worked with industry partners and key stakeholders to advance pipeline safety, operating excellence, environmental performance and sound policy. Dr. Kenny is an adjunct professor in the Haskayne School of Business at the University of Calgary. She holds a Doctorate in Resources and the Environment, a Masters of Mechanical Engineering, and a Bachelor of Applied Science. Dr. Kenny was a member of the National Energy Board Modernization Expert Panel



**Stewart Fast**, Senior Research Associate, Positive Energy

Dr. Stewart Fast brings significant energy and environment research expertise and a strong interdisciplinary background to the Positive Energy project. His past experience includes a postdoctoral fellowship at Queen's University's Institute for Energy and Environmental Policy, Visiting Researcher at Lund University's International Institute for Industrial Environmental Economics, and Manager of Certification Standards for Canada's national environmental labelling program. Stewart's PhD research (Geography, University of Ottawa) examined social responses to new renewable energy technologies, and he has over a dozen publications in this topic area.

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**Louis Simard**, Associate Professor, Political Studies, University of Ottawa

Dr. Louis Simard is an Associate Professor in the School of Political Studies at the University of Ottawa. His research focuses on public participation, instruments of public action, social acceptability and organizational learning in the environmental and energy sectors. Dr. Simard is the co-editor (with Laurence Bherer and Mario Gauthier) of the book *The Professionalization of Public Participation (2017)*, NY, Routledge. His current work focuses on the evolution of social acceptability and public participation tools in Québec. Dr. Simard holds a Master's degree in political science from the *Université du Québec à Montréal* and a PhD in sociology from the *Institut d'études politiques de Paris*.



**Geoff McCarney**, Research Director, Smart Prosperity, Assistant Professor of International Development and Global Studies, University of Ottawa

Currently completing his Ph.D. in Sustainable Development at Columbia University, Geoff McCarney is an experienced researcher in areas of environmental, natural resource and development economics. His interdisciplinary background has included research in both economics and climate science, with an integrating focus on issues of sustainability. His research has particularly been focussed on forestry and carbon management, as well as the impacts of climate variability on natural resource use, and he has published on issues of sustainable forest management and environmental policy relevant to Canada. He also has extensive experience working with funders and partner agencies around the world to develop, implement and advise on climate risk management projects for at risk populations. Geoff holds an M.Phil & M.A. in Sustainable Development from Columbia University, a M.Sc. in Agricultural and Resource Economics from the University of Alberta, and a B.A. in History and Economics from the University of Ottawa.

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**Richard Carlson**, Director, Energy Policy and Energy Exchange Program, Pollution Probe

Richard Carlson joined Pollution Probe as Director of Energy Policy and Energy Exchange in 2017. Prior to this position, he was the senior energy policy associate at the University of Toronto's Mowat Centre. He has written and spoken on a diverse number of energy issues, including electricity and natural gas planning and regulation in Ontario, as well as oil, gas and pipeline development in Canada. He has previous experience advising investors and governments on energy and environmental policies and has published articles about energy issues in Canada, Europe, Turkey and Central Asia. Mr. Carlson serves on the board of the *Transition Énergétique Québec* and holds an MA in International Studies, with a focus on energy development in the Caspian Basin, from the School of Oriental and African Studies, University of London.



**Chris Henderson**, President, Lumos Energy

Chris Henderson is President of Lumos Energy. He is one of the preeminent advisors and commentators on Canada's transition towards a clean energy future, informed through extensive project and market experience across the country, notably with Indigenous communities. Previously, Chris was co-Founder and CEO of The Delphi Group. Currently, he also serves as: Board Chair of the Globe Series of Conferences; Board Member of Ontario's Independent Electricity System Operator (IESO), Member of the Editorial Board of the Energy Exchange Magazine; and Ambassador for the Arctic Inspiration Prize.

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**Tonja Leach**, Managing Director, Quality Urban Energy Systems of Tomorrow (QUEST)

Tonja Leach is the Managing Director at Quality Urban Energy Systems of Tomorrow (QUEST). Her current responsibilities include ensuring the effective implementation of the QUEST strategic and business plans, in addition to leading QUEST's government relations, coordination of national and regional efforts, event planning, and fundraising and financial management. Tonja was part of the team that launched QUEST in 2007 when she worked at the Canadian Gas Association in communications, and was subsequently seconded to QUEST to lead its development and growth in 2009. During her time at the Canadian Gas Association, Tonja also acted as the secretariat in a coalition of 19 energy industry associations known as the Energy Dialogue Group, who came together to encourage the establishment of a national energy framework for Canada.



**Xavier Deschênes-Philion**, PhD candidate, Political Science, University of British Columbia (Visiting Researcher, Positive Energy)

Xavier Deschênes-Philion is a third-year doctoral student in Political Science at the University of British Columbia and a Visiting Research Fellow at the University of Ottawa. His thesis will explore the issue of energy governance in Canada and the emerging conflicts over the role and responsibilities of municipal authorities in energy decision-making processes. He is also conducting research on nuclear waste management in Canada for the @Risk project of the Institute for Science, Society and Policy. Xavier recently co-authored three peer-reviewed articles on the socio-political conflicts over smart grids development in Québec and will soon publish a book chapter about the political economy of the Energy East Pipeline, in collaboration with UBC Professor George Hoberg.

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#### **Cameron Cross**, Visual Artist and Education Consultant

Cameron Cross is a visual artist, education consultant and an art for social justice advocate. Cameron works primarily in the area of large scale public sculpture and speaks on the topics of creativity, innovation and originality. Cameron continues to explore the democratizing implications of public art and enjoys the many rewards associated with cross-professional collaboration.



#### **Bryson Robertson**, Program Manager, Institute for Integrated Energy Systems, University of Victoria

Bryson Robertson is an Adjunct Faculty member within the Institute for Integrated Energy Systems at the University of Victoria. His work with The 2060 Project takes a long-term vision of Canada's electrical system, and focusses on low carbon emission transition pathways, to provide the necessary qualitative and quantitative knowledge to help drive the Canadian electrical system through the transition to carbon neutrality. Bryson's expertise and knowledge in quantifying natural resources, developing technologies to harness these resources, and determining the value of the resulting services provides him a unique perspective on the engineering and social challenges that must be overcome in the energy transition.

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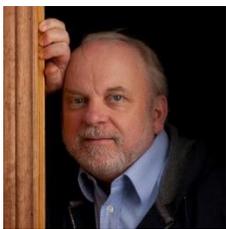
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**Warren Mabee**, Associate Professor Geography, Queen's University, Canada  
Research Chair, Renewable Energy Development and Implementation

Dr. Warren Mabee is Professor and Head of the Department of Geography and Planning at Queen's University. He is the Canada Research Chair in Renewable Energy Development and Implementation, with a specialty in bioenergy technology and policy. As the Director of Queen's Institute for Energy and Environmental Policy he has interest in the intersection between energy issues and other aspects of environmental management. Dr. Mabee's research is networked through the International Energy Agency to initiatives around the world.



**Ralph Torrie**, President, Torrie Smith Associates

Ralph Torrie is an energy systems expert and a thought leader in the field of sustainable development. He codirected the first assessment of the long term potential for energy efficiency and renewable energy in Canada, and he represented Canadian environment, anti-poverty and peace organizations before the World Commission on Environment and Development. He pioneered the conventions now used by local governments around the world in their climate change response strategies, and he conducted Canada's first low carbon scenario analysis – the first such analysis done anywhere. He has numerous publications and has served as the Assistant Coordinator of the Energy Research Group of the United Nations University and IDRC, Vice President of ICF International, and Managing Director of Navigant Consulting International. He has served as a director of several environmental organizations and ran in two federal elections as a candidate for the Green Party of Canada. He is principal of Torrie Smith Associates and a senior associate of the University of Calgary Canadian Energy Systems Analysis Research (CESAR) initiative.

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**Chuck Farmer**, Director, Stakeholder and Public Affairs, Independent Electricity System Operator

Chuck Farmer is an expert in energy management, energy policy and sustainable energy. After graduating from the Richard Ivey School of Business, he worked for Union Gas in sales, marketing and account management positions before his appointment as Director for Market Knowledge and Demand Side Management. Mr. Farmer then joined the Ontario Power Authority as Director of Conservation Integration in Power system planning where he focused on conservation and forecasting electricity demands to serve the needs of Ontarians. His current position is Director of Stakeholder and Public Affairs at the Independent Electricity System Operator (IESO). The IESO is responsible for delivering key services across Ontario's electricity sector including planning for the province's future energy needs, enabling conservation and designing a more efficient electricity marketplace to support sector evolution.



**Ahmed Abdullah**, Post-doctoral fellow, School of Global Policy and Strategy, University of California San Diego Deep Decarbonization Initiative

Ahmed Abdulla is a Jacobs Post-doctoral Fellow at the UC San Diego School of Global Policy and Strategy, where he works on questions related to energy policy and the challenge of deeply decarbonizing the electricity sector. Abdulla manages a diverse research portfolio, with a focus on three research areas. The common thread interweaving these areas is how public expenditures in the energy and environmental space can be optimized where private enterprise is either unable or unwilling to contribute to solving societal problems. Prior to joining UC San Diego, Abdulla conducted doctoral work on nuclear economics and nuclear security, investigating the economic and institutional challenges to deploying a new generation of small modular reactors around the world. He holds a Ph.D. in Engineering and Public Policy from Carnegie Mellon University (2014), and a B.S. in Chemical Engineering from Princeton University (2009).

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**Tracy Walden**, Director, Media and Communications, Canadian Wind Energy Association (CanWEA)

Tracy Walden is a communications professional with extensive experience leading communications for non-profit member-based energy industry associations (propane, electricity, wind energy). In her role at CanWEA, she is focused on strengthening the industry's position as a global wind energy leader and ensuring Canada's abundant wind energy potential is top of mind as decision-makers navigate lower-carbon pathways to prosperity. She holds a Bachelor of Education and a post-graduate diploma in Education, both from the University of New Brunswick. She is a member of the International Association of Business Communicators (IABC) and a certified member of the Climate Reality Leadership Corps.



**John Parkins**, Professor, Agricultural Life and Environmental Sciences, University of Alberta

John Parkins is a Professor in the Department of Resource Economics and Environmental Sociology, University of Alberta. He received his MSc in Rural Sociology and PhD in Sociology from the University of Alberta. His research and teaching interests include rural community development, sociology of agriculture, social impact assessment, international development and social dimensions of natural resource management. Dr. Parkins also leads a SSHRC funded project on energy transition in Canada, with a focus on energy literacy, values, culture and landscapes.

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**Stephen Bird**, Associate Professor, Clarkson University (Positive Energy Research team)

Dr. Stephen Bird is an Associate Professor of Political Science at Clarkson University. He is Senior Fellow at the Centre on Governance and Research Affiliate with the Positive Energy Project at the University of Ottawa. His current research focuses on split incentives and smart housing, energy conflict, micro-grid governance, fracking, green data centres, policy learning and activism, and social influence. Prior and current affiliations, engagements, and/or research grants include the U.S. State Department, the European Commission, New York State's Energy Research Authority, and the National Science Foundation. He completed his PhD at Boston University and his Masters' from Harvard University.



**Heather Millar**, PhD candidate, Political Science, University of Toronto (incoming Postdoctoral Fellow, Positive Energy)

Heather Millar is a PhD Candidate in the Department of Political Science at the University of Toronto and holds a Master's degree in Public Policy from Simon Fraser University. Her research interests include Canadian provincial environmental and energy politics. Heather is a past recipient of a SSHRC Canada Graduate Scholarship (2010-2013) and Ontario Graduate Scholarships (2014-2016) and has published articles in the *Canadian Journal of Political Science*, *Canadian Public Administration* and *Policy Sciences*. Her dissertation examines policy decision-making under conditions of uncertainty, focusing on the role of risk narratives and mechanisms of political and policy learning in hydraulic fracturing regulation in Canada.

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**Jesse Toor**, Manager, Technology Innovation and Foresight (Alberta Energy CoLab)

Jesse is Manager of Innovation and Diversification with the Department of Energy. He holds a B.Sc. in Cell Biotechnology and a MBA with specialization in Natural Resources, Energy and Environment. Jesse's primary research interests are energy systems-level analysis, particularly the application of lifecycle assessment tools in policy development and regulation. Prior to joining the Government of Alberta, Jesse worked for the University of Alberta's Centre for Advanced Business Research in Energy, World Health Organization, and Institute for Biomolecular Design, and for a local technology start-up in Edmonton's Research Park. His strength is combining analytical and creative thinking in developing solutions.



**Brett Dolter**, Postdoctoral Fellow, University of Ottawa

Brett Dolter is an economist specializing in climate and energy policy research. He has published in journals such as *Energy Policy* and *Ecological Economics*. Brett completed his PhD degree at York University where his research focused on pathways for greening the Saskatchewan grid. He holds a Masters in Economics from the University of Victoria and a Masters in Resource Management and Environmental Studies from UBC. In between these degrees Brett worked as a senior policy analyst for the Saskatchewan Ministry of Environment's Green Policy unit. Most recently he held a Research Fellowship at the University of Ottawa's *Institute of Environment*. Brett is now a postdoctoral research fellow in the University of Regina's Faculty of Arts where he is affiliated with Economics, Geography, and Environmental Studies