



# Technology Innovation & Policy Forum 2017

## Disruptive Innovation over the Wires: Business Models for Success



November 9, 2017  
University of Waterloo  
Federation Hall

### WELCOME

On behalf of the Council for Clean & Reliable Energy and the Waterloo Institute for Sustainable Energy, welcome to the second Annual Technology Innovation and Policy Forum. This Forum is intended to bring together policy makers, technology innovators, leading researchers and entrepreneurs, industry thought leaders to help shape next generation smart energy solutions.

The goal of the 2017 Forum is to highlight the role of emerging disruptive technologies on the distribution sector business models arising from embedded distribution generation and storage on a large scale within the existing distribution networks. The Forum will discuss an urgent need to accelerate impactful integration of cost-effective solutions to decarbonize our energy system, and address the convergence of policy development with technology advances.

Through dialogue and extensive opportunities for networking, collaboration and discussion, the Forum will focus on establishing a common basis for accommodating divergent interests. We are pleased that you have decided to join the discussion and look forward to your active participation.



Glen Wright  
Chairman  
Council for Clean & Reliable Energy



Jatin Nathwani  
Forum Co-Chair  
Executive Director, Waterloo  
Institute for Sustainable Energy



David McFadden  
Forum Co-Chair  
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## CONFERENCE ORGANIZERS

### THE COUNCIL FOR CLEAN & RELIABLE ENERGY

<http://www.thinkingpower.ca/>

The Council for Clean & Reliable Energy (CCRE) is a non-profit organization that provides a platform for public dialogue and analysis on subjects related to energy policy. The CCRE was formed by a group of volunteers from universities, public and private sector business leaders, and labour. The CCRE Members collaborate to broaden the public debate on energy issues.

Energy leaders from around the world have been invited by the Council to facilitated conferences focused on sharing knowledge, experiences and expertise to create a better understanding of the challenges and potential solutions to common areas affecting energy in Canada and abroad. To date, the Council has hosted conferences on distributed generation, biomass, coal and nuclear, public sector governance in the electricity sector and the future of local distribution companies. Annually, the CCRE hosts the Energy Leaders Roundtable and the Innovation Technology and Policy Forum. In addition, the Council encourages energy experts to provide reasoned opinions and points of view about significant issues relevant to the sector. These CCRE Commentaries are published, distributed to opinion leaders and made available to the public.

The Council understands the value of creating a broader and more inclusive public discourse. During the last decade, its efforts have been recognized and appreciated by decision-makers in government and the energy business as providing a neutral forum for the free exchange of ideas and opinions. The Council remains committed to continuing to facilitate debate on the generation, transmission and distribution of clean, affordable and reliable energy with a clear focus on finding effective solutions for Canada and abroad.



### THE WATERLOO INSTITUTE FOR SUSTAINABLE ENERGY

<http://wise.uwaterloo.ca>

The Waterloo Institute for Sustainable Energy (WISE) was established at the University of Waterloo in 2008. The Institute comprises more than 100 faculty members with graduate students and postdoctoral fellows working as multi disciplinary research teams across Engineering, Science and Environment. The Institute provides a focal point for energy research at Waterloo and creates the best possible research platforms for faculty to test their ideas, engage with their peers, and partner with external organizations to accelerate the pace of research, development and deployment of practical solutions.

Research initiatives developed at WISE are of an interdisciplinary nature - spanning theory and experiment - encompassing a broad range of expertise across several faculties and departments. In a short period of five years, WISE has grown to become Canada's largest concentration of researchers in academia devoted to sustainable energy. The Institute has created positive relationships with senior energy leaders from all sectors and has generated significant opportunities for its members to advance energy research. WISE continues to intensify communication and outreach programs to share the knowledge created and to cultivate energy literacy. WISE - and the University of Waterloo - are becoming internationally recognized as leaders in addressing the global energy challenge.



## COUNCIL PARTNERS

### IVEY ENERGY AND POLICY MANAGEMENT CENTRE, UNIVERSITY OF WESTERN ONTARIO

<http://www.ivey.uwo.ca/energycentre/>

The Ivey Energy Policy and Management Centre is the centre of expertise at the Ivey Business School focused on national energy business issues and public policies. It conducts and disseminates first class research on energy policy; and promotes informed debate on public policy in the sector through supporting conferences and workshops that bring together industry, government, academia and other stake-holders in a neutral forum. The Centre draws on leading edge research by Ivey faculty as well as by faculty within Western University.



### POWER WORKERS' UNION

<http://www.pwu.ca>

The Power Workers' Union (PWU) is Ontario's largest electricity sector union representing over 16,000 highly-skilled men and women who help generate and deliver electricity to Ontario's homes and businesses.



For over seven decades, the PWU has successfully influenced and adapted to the continually evolving electricity sector challenges creating the most opportunities for sustainable, high-value jobs, safe working conditions; decent benefits and retirement security; and better energy policies for all Ontarians

As one of Canada's strongest and most progressive unions, the PWU remains committed to using its knowledge, experience and expertise to secure a promising future for our membership while helping to keep the lights on for all Ontarians.

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