

Energy Transformation Network of Ontario (ETNO)

External Contacts Log

Version 1.3 - updated: May 7, 2018

Note:

This report is divided into three main sections as follows:

- 1) International organizations
- 2) Local organizations operating mainly/exclusively in the province of Ontario
- 3) National organizations

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Organization Type **International**

ASHRAE

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry.

<https://www.ashrae.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Sustainable Resources
Management Inc.

Association of Energy Service Professionals

AESP is a member-based association dedicated to improving the delivery and implementation of energy efficiency, energy management and distributed renewable resources.

<http://www.aesp.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Sustainable Resources
Management Inc.

IESO

Canadian Institute of Mining

Founded in 1898, the Canadian Institute of Mining, Metallurgy and Petroleum (CIM) is the leading technical society of professionals in the Canadian Minerals, Metals, Materials and Energy Industries. CIM has always maintained three main objectives: to facilitate the exchange of knowledge and technology to foster networking, professional development and fraternity to recognize excellence and outstanding achievements in the minerals industry

<http://www.cim.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Toromont Cat Power Systems

Centre for Energy Advancement through Technological Innovation (CEATI)

The Centre for Energy Advancement through Technological Innovation (CEATI) is a user-driven organization committed to providing technology solutions to its electrical utility participants, who are brought together to collaborate and act jointly to advance the industry through the sharing and developing of practical and applicable knowledge.

<http://www.ceati.com/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

ENBALA Power Networks

IESO

Toronto Hydro

Sustainable Resources
Management Inc.

Sustainable Resour

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Organization Type **International**

MaRS Cleantech

Hydro Ottawa Limited

Committees: GLTF,

Hydro One

TrustPoint Innovation
Technologies Ltd.

Continental Automated Buildings Association

The Continental Automated Buildings Association (CABA) is an international not-for-profit industry association dedicated to the advancement of intelligent home and intelligent building technologies. The organization is supported by an international membership of nearly 400 companies involved in the design, manufacture, installation and retailing of products relating to home automation and building automation. Public organizations, including utilities and government are also members.

<http://www.caba.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Sustainable Resources
Management Inc.

Electric Power Research Institute (EPRI)

The Electric Power Research Institute, Inc. conducts research, development and demonstration (RD&D) relating to the generation, delivery and use of electricity for the benefit of the public. An independent, nonprofit organization, we bring together scientists and engineers as well as experts from academia and the industry to help address challenges in electricity. Our work spans nearly every area of electricity generation, delivery and use, management and environmental responsibility

<http://www.epri.com>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Hydro One

Global Smart Grid Federation

The Global Smart Grid Federation was established in April 2010 to bring together Smart Grid initiatives from around the world. Over the past several years, various countries have initiated projects and programs to explore the potential of the new generation of information- and communication-based technologies emerging across the power sector. As these efforts matured, formal public-private initiatives were formed. The first, in 2003, was the GridWise Alliance in the United States. It was followed by similar initiatives in the European Union, South Korea, Japan, Australia, Canada, India, and Ireland. Many other countries are in the formative stages of their own initiatives.

<http://www.globalsmartgridfederation.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

IEA - International Energy Agency

The IEA is an autonomous organisation which works to ensure reliable, affordable and clean energy for its 28 member countries and beyond. The IEA's four main areas of focus are: energy security, economic development, environmental awareness, and engagement worldwide.

www.iea.org

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

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Organization Type **International**

MaRS Cleantech

IFMA

Founded in 1980, IFMA is the world's largest and most widely recognized international association for facility management professionals, supporting more than 23,500 members in 94 countries.

<http://www.ifma.org/>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
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Institute of Electrical and Electronics Engineers (IEEE)

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

<http://www.ieee.org>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
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Hydro Ottawa Limited

Toronto Hydro

TrustPoint Innovation
Technologies Ltd.

IESO

Hydro One

ENBALA Power Networks

MaRS Cleantech

Institution of Diesel & Gas Turbine Engineers

We aim to be the leading independent professional body for power engineers, we play a key role in training, developing and representing our industry.

<http://www.idgte.org/>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
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Toromont Cat Power Systems

Toromont Cat Power Systems

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Organization Type **International**

International District Energy Association

The International District Energy Association (IDEA) is a nonprofit trade association founded in 1909 to facilitate the exchange of information among district energy professionals. Today, IDEA has over 1,700 members in 25 nations and is governed by an all-volunteer Board of Directors.

<http://www.districtenergy.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Toromont Cat Power Systems

Toromont Cat Power Systems

International Electro-Technical Commission

The International Electrotechnical Commission (IEC) is the world's leading organization that prepares and publishes International Standards for all electrical, electronic and related technologies. Over 10 000 experts from industry, commerce, government, test and research labs, academia and consumer groups participate in IEC Standardization work.

<http://www.iec.ch/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Toronto Hydro

Hydro One

IESO

TrustPoint Innovation
Technologies Ltd.

International Smart Grid Action Network (ISGAN)

ISGAN is the short name for the International Energy Agency (IEA) Implementing Agreement for a Co-operative Programme on Smart Grids (ISGAN). ISGAN creates a mechanism for multilateral government-to-government collaboration to advance the development and deployment of smarter electric grid technologies, practices, and systems. It aims to improve the understanding of smart grid technologies, practices, and systems and to promote adoption of related enabling government policies.

<http://www.iea-isgan.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

TrustPoint Innovation
Technologies Ltd.

Ministry of Energy

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Organization Type **International**

IRC Emerging Technologies Task Force

The ISO/RTO council (IRC): By sharing innovative ideas and real-world best practices, IRC members work together to build a smarter and more efficient electric grid that's well prepared to serve the North American power market and its consumers, today and tomorrow.

<http://www.isorto.org/pages/home>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

IESO

ISO/RTO Council (IRC)

By sharing innovative ideas and real-world best practices, IRC members work together to build a smarter and more efficient electric grid that's well prepared to serve the North American power market and its consumers, today and tomorrow.

<http://www.isorto.org>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

IESO

National Association of Regulatory Utility Commissioners

NARUC is the national association representing the State Public Service Commissioners who regulate essential utility services in your State. NARUC members are responsible for assuring reliable utility service at fair, just, and reasonable rates. Founded in 1889, the Association is an invaluable resource for its members and the regulatory community, providing a venue to set and influence public policy, share best practices, and foster innovative solutions to improve regulation.

<http://www.naruc.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Ontario Energy Board

New Energy and Industrial Technology Development Organization (NEDO)

The New Energy and Industrial Technology Development Organization (NEDO) is Japan's largest public research and development management company. NEDO is government funded and has an annual budget of \$1.5 billion (USD). NEDO supports several Japanese companies take their innovative technologies to international markets. NEDO first effort in Canada is with Oshawa Hydro where they are working with the utility and Tabuchi Electronics to demonstrate a residential focused solar DG system with battery unit backup.

<http://www.nedo.go.jp/english/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Ministry of Energy

NIST Smart Grid

The National Institute of Standards and Technology (NIST) supports one of the key roles in the growth of the smart grid—bringing together manufacturers, consumers, energy providers, and regulators to develop "interoperable standards." In other words, NIST is responsible for making sure the many pieces of "the world's largest and most complex machine" are able to work together.

<http://www.nist.gov/smartgrid/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Organization Type **International**

MaRS Cleantech

OpenADS

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
	ENBALA Power Networks				
PLMA - Peak Load Management Association		The Peak Load Management Alliance (PLMA) was founded in 1999 as the national voice of demand response practitioners. It is a non-profit organization dedicated to provide resources and advocacy towards critical energy management initiatives. We are a community of experts applying our knowledge and skills to address the challenges and opportunities in our rapidly changing energy landscape. PLMA members share expertise to educate each other and explore innovative approaches to demand response programs, price and rate response, regional regulatory issues, and technologies as the energy markets evolve.			
http://www.peakload.org/					

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
	ENBALA Power Networks				
Smart Electric Power Alliance (SEPA)		SEPA (formerly the Association for Demand Response & Smart Grid (ADS)) is a nonprofit organization, originally formed in 2004 as the Demand Response Coordinating Committee (DRCC). SEPA is an organization consisting of professionals and organizations involved in demand response and smart grid.			
http://www.demandresponsesmartgrid.org/					

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
	Sustainable Resources Management Inc.				
ENBALA Power Networks	ENBALA Power Networks				

Smart Grid Interoperability Panel (SGIP)		The Smart Grid Interoperability Panel was explicitly established to support NIST in its fulfillment of its responsibilities pursuant to the Energy Independence and Security Act of 2007 ("EISA"). The National Institute of Standards and Technology (NIST) is a non-regulatory agency dedicated to promoting U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. SGIP's mission is to provide a framework for coordinating all Smart Grid stakeholders in an effort to accelerate standards harmonization and advance the Interoperability of Smart Grid devices and systems.			
http://www.sqip.org/					

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
		Hydro Ottawa Limited			
		MaRS Cleantech			

Organization Type **International**

TrustPoint Innovation
Technologies Ltd.

Toronto Hydro

Sustainable Resources
Management Inc.

Sustainable Resour

Transmission Forum

<http://www.natf.net/>

North American Transmission Forum (NATF) members include investor-owned, state-authorized, municipal, cooperative, U.S. federal, and Canadian provincial utilities. The NATF promotes the highest levels of reliability in the operation of the electric transmission systems. The NATF is built on the principle that the open and candid exchange of information among its members is the key to improving the reliability of the transmission systems in the U.S. and Canada. Members recognize the operation of each member affects the operations of them all.

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Hydro One

Utility Variable-Generation Integration Group

<http://variablegen.org/newsroom/>

The Utility Variable-Generation Integration Group, previously known as the Utility Wind Integration Group (UWIG), was established in 1989 to provide a forum for the critical analysis of wind and solar technology for utility applications and to serve as a source of credible information on the status of wind and solar technology and deployment. The group's mission is to accelerate the development and application of good engineering and operational practices supporting the appropriate integration and reliable operation of variable generation on the electric power system.

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

TrustPoint Innovation
Technologies Ltd.

World Energy Council

<https://www.worldenergy.org/>

Formed in 1923, the Council is the UN-accredited global energy body, representing the entire energy spectrum, with more than 3000 member organisations located in over 90 countries and drawn from governments, private and state corporations, academia, NGOs and energy-related stakeholders.

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Forum introducer

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Organization Type Local

Association of Major Power Consumers in Ontario (AMPCO)

AMPCO is the voice of industrial power users in Ontario. Our mission is industrial electricity rates that are competitive, fair and efficient. Ontario's electricity system is complex and almost always changing. AMPCO provides Ontario industries with effective advocacy on critical electricity policies, timely market analysis and expertise on regulatory matters that all affect their bottom line.

www.ampco.org

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

IESO

Toronto Hydro

Ontario Energy Board

Hydro One

Electrical Safety Authority

ENBALA Power Networks

Electricity Distributors Association

The Electricity Distributors Association is the voice of Ontario's local electricity distributors (LDCs), the publicly and privately owned companies that safely and reliably deliver electricity to nearly five million Ontario homes, businesses and public institutions. We provide members with: •Up-to-date, expert analysis of relevant legislation and market rules, with a particular focus on regulation •Networking opportunities for communication with professional and industry colleagues •Advocacy and representation in the legislative and regulatory environment and the electricity market in Ontario

<https://secure2.eda-on.ca/iMIS15/EDA/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Hydro Ottawa Limited

Essex Energy Corporation

Our products and services include Distribution Engineering, Renewable Energy Development, Distributed Generation Aggregation, Conservation & Demand Management, and Smart Grid Software Products & Development

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

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Essex Power

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Organization Type **Local**

Great Lakes Sustainable Energy Consortium (GLSEC)

<http://www.queensu.ca>

The objectives of the GLSEC are: (i) the establishment of a world-class Canada-US research and public policy consortia focussing on renewable energy research and policy implementation; (ii) graduate research student, faculty, and industry technical collaboration, policy implementation and economic development; (iii) increased understanding of Canada and US renewable energy research and public policy options; (iv) stimulate coordinated renewable energy policy between Ontario and NYS; (v) the establishment of an annual technical and policy briefing on the state of renewable energy research, policy implications and commercial implementation for both Ontario and NYS.

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

IESO

GridSmartCity

<http://gridsmartcity.com/>

GridSmartCity® is a co-operative of utilities, Smart Grid innovators, industry regulators, government, academia and other electricity industry stakeholders. Thirty-four organizations have now joined the ranks to become GridSmartCity® partners working collectively towards productivity and efficiency improvements, advancements in self-healing grids, conservation program implementation, the emergence of renewable energy and community energy planning.

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Electrical Safety Authority

Ontario Energy Association (OEA)

www.energyontario.ca

The Ontario Energy Association (OEA) aspires to be the most credible and trusted voice of the energy sector. We earn our reputation by being an integral and influential part of energy policy development and decision making in Ontario. We represent Ontario's energy leaders including over 150 corporate members that span the full diversity of the energy industry.

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

David McFadden

Union Gas

Electrical Safety Authority

Toromont Cat Power Systems

Hydro One

Sustainable Resources
Management Inc.

ERTH Corporation

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Organization Type **Local**

Ontario Energy Board

Toronto Hydro

IESO

Hydro Ottawa Limited

Ontario Energy Board (OEB) Smart Grid Advisory Committee (SGAC)

On June 27, 2013, the Board created the Smart Grid Advisory Committee (the "Advisory Committee"). The Advisory Committee will provide the Board with ongoing assistance on emerging smart grid issues as the Board proceeds with facilitating the development and implementation of smart grid in Ontario. This process is intended to provide consumers, distributors, generators, transmitters and others who have an interest in the development of smart grid with an opportunity to provide advice and recommendations for consideration by the Board.

<http://www.ontarioenergyboard.ca/oeb/Industry/Regulatory>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Toromont Cat Power Systems

MaRS Cleantech

IESO

Toronto Hydro

Electrical Safety Authority

Ontario Energy Board

ENBALA Power Networks

Festival Hydro Inc.

IESO

Hydro One

Ontario Energy Network

The "OEN" is dedicated to providing networking activities and inter-jurisdictional information for all energy industry segments with a dedication to providing significant strategic networking benefits to all stakeholders. Our mission "to provide networking opportunities in support of the business interests of the energy industry in Ontario".

<http://www.ontarioenergynetwork.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Hydro Ottawa Limited

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Organization Type Local

Ontario Energy Storage Alliance (OESA)

Energy Storage Ontario is the first energy storage-only alliance in Canada. It is a non-profit membership-based organization that was founded in 2012 as a subgroup of the Corporate Partners Committee under the Smart Grid Forum. Our mission is to advance the energy storage industry in Ontario through collaboration, education, policy advocacy and research.

<http://energystorageontario.com/>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
				Hydro One	
				Toronto Hydro	
	Electrical Safety Authority				
	ENBALA Power Networks	ENBALA Power Networks			
					Ontario Energy Bo
	MaRS Cleantech				

Plug 'N Drive

Plug'n Drive is a non-profit organization committed to accelerating the adoption of electric cars to maximize their environmental and economic benefits. To help drivers make the switch, we are focused on three key programs: 1. Education 2. Home Charging Infrastructure and 3. Public Charging Infrastructure.

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

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
	Hydro One				
		MaRS Cleantech			
		Toronto Hydro			
Electrical Safety Authority	Electrical Safety Authority		Electrical Safety Authority		

Utilismart Corporation

Utilismart Corporation has created and operates our own secure, cloud-based MDM along with a wide range of AMI software solutions and data services for Utilities, Municipalities, Industrial, Commercial and Residential consumers.

<http://www.utilismartcorp.com/>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
					Essex Power

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Organization Type **National**

APAO - Biogas Association

The Biogas Association is a member driven association promoting the development of biogas which represents all aspects of the biogas sector.

<http://www.biogasassociation.ca>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Toromont Cat Power Systems

Canadian Council of the Federation

The Council of the Federation comprises Canada's 13 provincial and territorial Premiers. The Council of the Federation's objectives are to: • Promote interprovincial-territorial cooperation and closer ties between members of the Council, to ultimately strengthen Canada; • Foster meaningful relations between governments based on respect for the Constitution and recognition of the diversity within the federation; • Show leadership on issues important to all Canadians.

<http://www.councilofthefederation.ca/en/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

Canadian District Energy Association

The International District Energy Association (IDEA) is a nonprofit trade association founded in 1909 to facilitate the exchange of information among district energy professionals. Today, IDEA has over 1,700 members in 25 nations and is governed by an all-volunteer Board of Directors.

<http://www.districtenergy.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Hydro One

IESO

Canadian Electricity Association

Founded in 1891, the Canadian Electricity Association (CEA) is the national forum and voice of the evolving electricity business in Canada. The Association contributes to the regional, national and international success of its members through the delivery of quality value-added services.

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

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

Hydro Ottawa Limited

Canadian Gas Association

CGA is the voice of Canada's natural gas distribution industry. Our members are distribution companies, transmission companies, equipment manufacturers and other service providers. Today, natural gas meets 30% of Canada's energy needs and Canadian natural gas distribution companies serve approximately 6.2 million customers - over half of all Canadians in their homes and at work.

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

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

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Organization Type **National**

Union Gas	Union Gas	MaRS Cleantech			
		Ontario Energy Board			
		IESO			
Canadian Hydrogen and Fuel Cell Association (CHFCA)		The Canadian Hydrogen and Fuel Cell Association (CHFCA) is a national, non-profit association that supports Canadian corporations, governments and educational institutions that are developing, demonstrating and deploying hydrogen and fuel cell products and services in Canada. Our members work on hydrogen and fuel cell technologies, components, systems supply and integration, fuelling systems, fuel storage, and engineering and financial services.			
http://www.chfca.ca/					
<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
		MaRS Cleantech			
Canadian Smart Grid Standards Advisory Committee		The advisory committee will be co-chaired by SCC and the Canadian Electricity Association (CEA). Comprised of government, industry and consumer representatives, the committee will address policy, legislation and regulatory considerations of Smart Grid development, implementation and usage, so as to ensure these are executed with consideration for Canadian interests.			
http://www.scc.ca/					
<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
				Toronto Hydro	
	IESO				
Canadian Solar Industries Association (CanSIA)		CanSIA is a national trade association that represents approximately 500 solar energy companies throughout Canada. Since 1992, CanSIA has worked to develop a strong, efficient, ethical and professional Canadian solar energy industry with capacity to provide innovative solar energy solutions and to play a major role in the global transition to a sustainable, clean-energy future.			
http://www.cansia.ca/					
<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
		IESO			
				Ontario Energy Board	
				Hydro Ottawa Limited	
Toronto Hydro			MaRS Cleantech		

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Organization Type **National**

IESO

Canadian Standards Association

Every day, CSA Group works with businesses, organizations and code authorities all around the world to help create a safer, more sustainable world for people and for business. From testing & certifying your products today for safety & performance requirements, to developing leading-edge, consensus-based standards to support tomorrow's technology, we develop solutions that strive to promote safety to industry and society.

<http://www.csagroup.org>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Hydro Ottawa Limited

Toromont Cat Power Systems

Canadian Wind Energy Association (CanWEA)

A national non-profit association, CanWEA is Canada's leading source of information on wind energy's social, economic, health and environmental benefits for Canadian communities and provincial economies. Established in 1984, CanWEA represents the wind energy community — organizations and individuals who are directly involved in the development and application of wind energy technology, products and services.

<http://canwea.ca/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

Toronto Hydro

IESO

Consumers' Association of Canada

The Consumers' Association of Canada (CAC), founded in 1947, is an independent, national, not-for-profit, volunteer-based organization. The longest serving and most respected consumer organization in Canada, our mandate is to inform and educate consumers on marketplace issues, to advocate for consumers with government and industry, and to work with government and industry to solve marketplace problems.

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

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Electrical Safety Authority

Consumers' Council of Canada

The Consumers Council of Canada works collaboratively with consumers, business and government in support of consumers' rights and responsibilities, seeking an efficient, equitable, effective and safe marketplace for consumers. The Council is a member of the Canadian Consumer Initiative.

<http://www.consumerscouncil.com/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Electrical Safety Authority

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Organization Type **National**

Economic Development Canada

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
		MaRS Cleantech			

Electric Mobility (EMC) Canada

Founded in 2005, Electric Mobility Canada is a national membership-based not-for-profit organization dedicated exclusively to the promotion of electric mobility as a readily available and important solution to Canada's emerging energy and environmental issues.

<http://emc-mec.ca/>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
Hydro Ottawa Limited	Hydro Ottawa Limited	Electrical Safety Authority MaRS Cleantech			

Electricity Human Resources Canada

Electricity Human Resources Canada (EHRC) is all about human resources in Canada's electricity industry. We're an Ottawa-based not-for-profit with Canada-wide reach. We're an enabler, a research hub, a convener and an active partner. Industry players—from business, government, academic institutions and organized labour—use our products and services to make informed decisions and manage their organizations more effectively.

<http://electricityhr.ca/>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
	Hydro Ottawa Limited				

Energy Council of Canada

The Energy Council of Canada is the Canadian national member of the World Energy Council, and is made up of representatives from all facets of Canada's energy sector. The Energy Council of Canada is a vehicle for strategic thinking, networking and action by senior executives in the private and public sectors who have a broad interest in national, continental and global energy issues.

<http://www.energy.ca>

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
David McFadden	Electrical Safety Authority	MaRS Cleantech			

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Organization Type **National**

Industrial Research Assistance Program (IRAP)

The National Research Council-Industrial Research Assistance Program (NRC-IRAP) is Canada's premier innovation assistance program for small and medium-sized enterprises (SMEs). It is a vital component of the NRC, a cornerstone in Canada's innovation system, regarded world-wide as one of the best programs of its kind.

<http://www.nrc-cnrc.gc.ca/eng/irap/index.html>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

Information Technology Association of Canada (ITAC)

ITAC is the voice of the Canadian information and communications technologies (ICT) industry which is comprised of about 33,300 companies, generates \$155 billion in revenues, contributes \$67.2 billion to the Canadian GDP, accounts for 3% of total employment (approximately 572,700 jobs) and is the largest performer of private sector R&D (\$4.8 billion). ITAC is a prominent advocate for the expansion of Canada's innovative capacity and for stronger productivity across all sectors through the strategic use of technology

<http://itac.ca/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Toronto Hydro

ENBALA Power Networks

MaRS Cleantech

International District Energy Association

The International District Energy Association (IDEA) is a nonprofit trade association founded in 1909 to facilitate the exchange of information among district energy professionals. Today, IDEA has over 1,700 members in 25 nations and is governed by an all-volunteer Board of Directors.

<http://www.districtenergy.org/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Ontario Energy Board

National Research Council of Canada

The National Research Council (NRC) is the Government of Canada's premier research and technology organization (RTO). Working with clients and partners, we provide innovation support, strategic research, scientific and technical services.

<http://www.nrc-cnrc.gc.ca>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

MaRS Cleantech

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Organization Type **National**

NSERC Smart Microgrid Network (NSMG-Net)

<http://www.nsercpartnerships.ca>

The NSERC Smart Microgrid Network (NSMG-Net) is developing technologies in partnership with Canadian power utility companies that will establish Canada's next-generation electricity system, the Smart Grid. Comprising a network of integrated smart microgrids, Canada's Smart Grid will allow unprecedented efficiencies in the development, application and use of Canada's energy resources. It will enable the Canadian power industry to achieve energy security, conservation and reduced carbon footprints.

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
			Hydro One		
		MaRS Cleantech			
	IESO				

Quality Urban Energy Systems of Tomorrow (QUEST) Canada

<http://www.questcanada.org/>

QUEST is a collaborative network of stakeholders who are actively working to make Canada a leader in the design, development and implementation of smart energy communities. Smart energy communities are all about improving energy efficiency, cutting costs, and reducing greenhouse gas emissions at the community level by integrating energy with land use, buildings, transportation, water, waste and related infrastructure.

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
IESO	IESO		IESO		
		Sustainable Resources Management Inc.			
		Ontario Energy Board			
	Union Gas				
	Toromont Cat Power Systems				
		MaRS Cleantech			

Smart Grid Canada

<http://sgcanada.org/>

SmartGrid Canada is a national organization dedicated to promoting a more modern and efficient electricity grid for the benefit of all Canadians. A not-for-profit association, SmartGrid Canada is comprised of public and private organizations, including utilities, vendors, technology and service providers, academia and other industry associations. Through our diverse membership, we are dedicated to delivering innovation and leadership to advance Canada's smart grid infrastructure. We also promote the Canadian smart grid industry internationally.

<u>Board Members</u>	<u>Member Organizations</u>	<u>Occasional Participants</u>	<u>Sponsoring Organizations</u>	<u>Observers</u>	<u>Other</u>
		Electrical Safety Authority			
	Hydro One				
			MaRS Cleantech		

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Organization Type **National**

IESO

ENBALA Power Networks

Ontario Energy Board

Social Sciences and Humanities Research Council (SSHRC) – smart grid research project

The Social Sciences and Humanities Research Council of Canada (SSHRC) is the federal research funding agency that promotes and supports postsecondary-based research and training in the humanities and social sciences. By focusing on developing Talent, generating Insights and forging Connections across campuses and communities, SSHRC strategically supports world-leading initiatives that reflect a commitment to ensuring a better future for Canada and the world.

<http://www.sshrc-crsh.gc.ca/home-accueil-eng.aspx>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

IESO

Sustainable Development Technology Canada (SDTC)

Sustainable Development Technology Canada (SDTC) is a not-for-profit foundation that finances and supports the development and demonstration of clean technologies which provide solutions to issues of climate change, clean air, water quality and soil, and which deliver economic, environmental and health benefits to Canadians.

<http://www.sdte.ca/index.php?page=home>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Hydro One

Union Gas

ENBALA Power Networks

MaRS Cleantech

Toronto Hydro

IESO

US Department of Energy

The mission of the Energy Department is to ensure America's security and prosperity by addressing its energy, environmental and nuclear challenges through transformative science and technology solutions.

<http://www.energy.gov/>

Board Members

Member Organizations

Occasional Participants

Sponsoring Organizations

Observers

Other

Organization Type National

MaRS Cleantech