

Advisory Committee on Innovation



Paul Murphy

Chair, Advisory Board

Advanced Energy Centre, MaRS Discovery District

Paul has been involved with the planning and operation of the Ontario and North American electric system for over 35 years and is currently Chair of MaRS Advanced Energy Centre's Advisory Board. The Advanced Energy Centre is a ground breaking public-private partnership focused on driving economic growth and sustainable job creation by helping to deploy leading technologies at home and exporting our energy technology and expertise to international markets.

Paul also serves on the Board of Whitby Hydro Energy Corporation, a mid-sized Ontario local distribution company.

Prior to this, Paul was President and CEO of Ontario's Independent Electricity System Operator, responsible for directing the reliable operation of the Ontario power system and for administering the competitive electricity market.

While with the IESO, Paul was the founding Chair of the Ontario Smart Grid Forum. The Forum brings together members from the utility sector, industry associations, non-profit organizations, public agencies and universities to propose a vision for a smart grid in Ontario and examine the many components that comprise it.

Paul has a BSc in Applied Science from Queen's University and is a registered Professional Engineer in Ontario



Brian Bentz, MBA, CPA, CA, CET

President & CEO, Alectra Inc.

While Brian played a major role in creating Alectra, his expertise in utility consolidations was demonstrated on several occasions in his previous position as the President and CEO of PowerStream.

His leadership was instrumental in the growth of that utility from its creation following the merger of three local electricity distribution companies in Markham, Richmond Hill and Vaughan in 2004. He was also a driving force in the acquisition of Aurora Hydro in 2005, the 2009 merger with Barrie Hydro and the 2012 partnership with the Town of Collingwood in the ownership of Collus PowerStream.

Brian has assumed an active leadership role within the energy industry. He currently

serves as Chair of the Electrical Safety Authority (ESA) and the Independent Electricity System Operator (IESO) Stakeholder Advisory Committee. Brian is also on the Board of Directors of Collus PowerStream and the Ontario Energy Association (OEA).

Previously, he served as Chair of the OEA, Electricity Distributors Association (EDA), Municipal Electric Association Reciprocal Insurance Exchange (MEARIE), the Ontario Power Authority (OPA) Stakeholder Advisory Committee and as Vice-Chair of Collus PowerStream's Board of Directors.

Brian has been recognized on several occasions for his industry leadership. He recently was presented with the LDC 'Leader Award' from the MEARIE Group and was a co-winner of the OEA 'Leader of the Year' Award in 2016. In previous years, he received the 'Chair's Citation' from the EDA, the Electricity Human Resources Canada 'Leader of the Year' Award, the 'Game Changer' Award from the Canadian Solar Industries Association (CanSIA), as well as recognition as a 'Clean50' and 'Clean16' Champion for leadership in sustainability advancement.

Originally from Thunder Bay, Ontario, Brian has an MBA (McMaster) and an honorary Bachelor of Applied Arts degree (Georgian College). He is also a Chartered Professional Accountant as well as a Certified Engineering Technologist (Electrical/Electronics).



AJ Goulding

President, London Economics International LLC

In his role as president of London Economics International LLC, A.J. Goulding manages a growing international consulting firm focused on finance, economic, and strategic consulting to the energy and infrastructure industries. In addition to serving as a sector expert in electricity and gas markets, his responsibilities include project management, marketing, budget and financial control, and recruiting. A.J. also serves as an adjunct associate professor at Columbia University, where he teaches a course on electricity market design and regulatory economics while also supervising graduate workshops.

A.J.'s diverse background enables him to work effectively in both emerging markets and OECD countries. In North America, A.J. has been articulate in describing market relationships between wholesale power marketers, merchant plants, aggregators, and the existing investor owned utilities. In emerging markets, A.J. has considerable experience dealing with the challenges of mixed private and public ownership, difficulties in creating credit-worthy distribution and retail entities, and the realities of line losses, unreliable fuel deliveries, and politicized labor relations. A.J. has worked on every continent except Antarctic.

A.J. began his career performing natural gas market analysis for the ICF Resources subsidiary of ICF Kaiser International. Later, he lived for two years in New Delhi, India, where he advised the United States Agency for International Development (USAID) on electric power sector restructuring in India. He continued his work on India while

pursuing his MA at Columbia University, leading to the publication of an article on Indian privatization. Simultaneously, he researched the process of power sector reform in Pakistan, contrasting it with the Indian experience. Upon completion of his MA, A.J. served as business development associate for Citizens Power LLC, a top ten US wholesale power marketer. He then moved to LEI, where he has held roles of progressively increasing responsibility.



Anthony Haines
President & CEO, Toronto Hydro Corp.

Anthony Haines is the President and Chief Executive Officer of Toronto Hydro Corporation and its subsidiaries, one of the largest urban electricity distribution companies in North America. He is a seasoned leader with over 30 years of experience in both natural gas and electricity, which brings a unique perspective to the Canadian energy industry.

Mr. Haines currently participates on the Independent Electricity System Operator (IESO) Market Renewal Panel. He is the past Chair of the Ontario Energy Association (OEA) and Canadian Electricity Association (CEA). He has received a number of industry accolades, including the Electricity Distributors Association's Chair's Citation Award, OEA's Leader of the Year, Corporate Responsibility Association's North America CEO of the year (first Canadian to receive) and Energy Council of Canada's 2014 Canadian Energy Person of the Year.

In addition to his commitment to the energy industry, Mr. Haines is actively involved in philanthropic activities. He is most proud of his fundraising efforts for the Ross Tilley Burn Centre at Sunnybrook Hospital, the largest and most advanced burn treatment centre in Canada. Mr. Haines is responsible for Toronto Hydro's charity golf tournament which has raised millions of dollars for electrical injury rehabilitation research..



Cynthia Hansen
Executive Vice President, Utilities and Power Operations
Enbridge Inc.

Cynthia Hansen was appointed Executive Vice President, Utilities and Power Operations, on February 27, 2017.

Cynthia is responsible for the overall leadership and operations of Enbridge Gas Distribution and Union Gas, two of Canada's largest natural gas utilities, as well as Enbridge Gas New Brunswick, Gazifère and St. Lawrence Gas. She also holds responsibility for the operations of Enbridge's power generating assets, which currently include renewable energy investments in wind, solar, geothermal and hydroelectric, as well as waste heat recovery facilities and power transmission lines owned in whole or in part by Enbridge.

Cynthia has more than 18 years of experience working in financial, operational and safety leadership roles within Enbridge, most recently as Senior Vice President,

Operations within Liquids Pipelines. Prior to joining Enbridge, she worked as a Principal for PricewaterhouseCoopers.

Cynthia is a member of Calgary-based Enbridge Inc.'s Executive Leadership Team. Cynthia serves on the board of the Ontario Energy Association and the University of Alberta School of Business Advisory Council. In the past, she has served on the boards of the Canadian Energy Pipelines Association (CEPA), the Alberta Chamber of Resources, the Edmonton Symphony Orchestra, and NorQuest College, among others. Cynthia was named one of Canada's Most Powerful Women: Top 100 by the Women's Executive Network, and was recognized as a Canadian Business Leader by Catalyst Canada.

Cynthia lives in Toronto with her husband.



Krista Jones

Managing Director, Work & Learning, MaRS

Krista is the managing director of Work & Learning at MaRS. Krista has been a passionate innovator and builder of technology-based businesses for over 25 years, and has personally advised and been actively involved in over 200 startups.

For the past four years, Krista has been the driving force behind the creation of MaRS' globally-leading Work & Learning sector. She works with entrepreneurs, corporate leaders, investors and technologists who are applying innovation and cutting-edge technologies to create solutions that are advancing the competitiveness of global workers and workplaces.

Krista has experience working in both large public companies and in startups. She is an engineer, entrepreneur, mentor and an expert at solving ambiguous problems. She has a unique combination of strategic, technical, operational and marketing expertise. She is known for her comprehensive knowledge of existing and emerging Information & Communications Technology (ICT) architectures, technologies and innovation practices.

Krista and her husband owned a children's technology educational franchise that fostered early innovation and creativity in robotics, animation, digital art and video game design.



Nicole Martin

Senior Director, S&P Global Ratings

Nicole Martin is a Senior Director, Sustainable Finance at S&P Global Ratings based in Toronto. She is the cross practice Analytic Coordinator for Green Evaluations in the Americas and is also involved in the firm's environmental, climate, and ESG initiatives. Her role as a senior credit analyst and energy sector expert includes outreach, training, and chairing complex credit committees.

Nicole recently returned from a rotation in S&P Global's London office where she was a key contributor to the development and launch of S&P Global's Green Evaluation analytic approach. Nicole's 15 years of experience at S&P Global Ratings includes many years as primary credit analyst for utilities, pipelines, and power and as Analytic Manager of the Commodities team in Toronto.

Throughout her career, Nicole has been attuned to the incorporation of environmental impact and sustainability into corporate decision making. Prior to joining S&P Global Ratings, Nicole acquired a thorough understanding of the utility sector, electricity market restructuring, and environmental system planning. She held a variety of roles at two large Canadian utilities. Nicole also provided consultative services to utilities in Canada on key performance indicators and in Hungary, Thailand, and Korea on environmental dispatch.

Nicole received her Bachelor of Applied Science degree from the University of Toronto and her Masters of Engineering degree from McMaster University. She has been a registered professional engineer in the Province of Ontario for more than 30 years.



Andrew Clark

Co-Founder & Co-CEO, Spark Power Corp.,

Andrew is a leader in the Power industry with a focus on creating a cleaner and more sustainable future. Since co-founding Spark in 2009, Andrew has become an instrumental voice campaigning for and developing a smarter, cleaner distributed grid in the rapidly changing Power sector. He prides himself on Corporate Social Responsibility and enables a strong collaborative and open-minded culture with all employees. With his co-founders and partners Jason and Eric, Andrew and the team at Spark are on a mission to change the way people think about, consume and generate electricity.

Outside of Spark, Andrew is an active member of the Young Presidents Organization (YPO) Maple Leaf Chapter and in 2017, was nominated as the EY Entrepreneur of the Year™ in Power, Utilities, and Environment. Prior to launching Spark Power, Andrew held executive positions in Operations and Finance with CPI Plastics Group Ltd., GMP Securities and the Business Development Bank of Canada. He was a founding director of the Federation of Community Power Co-operatives and is personally active in his own community. Andrew holds an MBA degree from the Rotman School of Management at the University of Toronto and a Bachelor of Commerce degree from Queen's University.



George Vegh

Counsel, McCarthy Tétrault

George Vegh is the head of McCarthy Tétrault's Toronto energy regulation practice, where he provides advocacy and advisory services to private and public sector clients. George's main focus is on regulatory and wholesale market governance in the energy sector. George also has extensive experience in working with generators and other market

participants to address the impacts of federal and provincial climate change regulation. Prior to joining McCarthy Tétrault, George was General Counsel of the Ontario Energy Board.

George is a leader in the energy sector, having served as Chair of the Ontario Energy Association and the IESO Market Forum. He currently serves as Vice-Chair of the Board of the Association of Power Producers of Ontario. He also led a number of industry initiatives, including Task Forces on Distribution Rate Regulation, Infrastructure Renewal, Distributed Generation and Transmission Connection for Renewable Generation.

George is an Adjunct Professor of Energy Law at the University of Toronto Law School, the School of Public Policy & Governance, the University of Calgary Law School and at Osgoode Hall Law School, where he is also the Program Director for the Masters Program in Energy and Infrastructure Law.



Adam White

Founder & CEO, Powerconsumer Inc.

Adam White is Founder and Chief Executive Officer of Powerconsumer Inc. Adam has 25 years of experience as an analyst, advocate, activist, and entrepreneur, in the not-for-profit, public and private sectors.

From 2005 to 2016 Adam was President of the Association of Major Power Consumers in Ontario. Previously, Adam was Acting President and VP of public affairs and stakeholder relations at the Ontario Energy Association, a power marketer at Mirant Canada Energy Marketing and a Regulatory Affairs Manager with TransAlta Inc., securing permits and approvals to develop a \$550 million cogeneration project in Sarnia. Adam was Executive Assistant to the Assistant Deputy Minister of Energy and was a Senior Economist at the Ontario Ministry of Energy and the Environment. Adam has worked as a consultant, forestry researcher and public health policy advocate and volunteer. Adam teaches a course in sustainable energy policy to future engineers at the University of Toronto.

Adam has a Bachelor of Arts (Economics) from the University of British Columbia, and is a Canadian Fellow of the international Leadership for Environment and Development (LEAD) program.



Joshua Wong

President & CEO, Opus One Solutions

Joshua is the President and CEO of Opus One Solutions. Prior to Opus One, Joshua was the Director of Engineering at eCAMION Inc., a leading grid-scale energy storage provider. Moreover, Joshua was head of smart grid at Toronto Hydro Electric System Limited, where he led the policy, strategy, regulatory, business, and engineering development of Toronto's smart grid infrastructure, including Toronto's 25-year smart grid roadmap.

Joshua is a licensed Professional Engineer in the Province of Ontario. He holds a degree in Electrical Engineering from the University of Toronto, Masters of Electric Power Engineering from the University of Waterloo, and completed executive programs from MIT Sloan, IMD Business School and Harvard Business School.



Rosemarie T. Leclair

Chair & Chief Executive Officer, Ontario Energy Board

Rosemarie Leclair will have executive accountability and ownership of the Committee.

Rosemarie T. Leclair was appointed Chair and Chief Executive Officer of the Ontario Energy Board (the Board) on April 6, 2011.

Ms. Leclair has spent almost 20 years in the municipal public sector. Her roles during that time included 15 years with the City of Ottawa, where she held several senior positions, including five years as Deputy City Manager of Public Works and Services. In 2005, Ms. Leclair joined the Hydro Ottawa Group of Companies (Hydro Ottawa) as President and CEO. She has also served as a Special Advisor to the Province of Ontario.

Ms. Leclair has served on the Board of Directors for various energy associations along with the United Way/Centraide Ottawa. She is a member of the University of Ottawa's Board of Governors, was twice named one of Canada's Top 100 Most Powerful Women by the Women's Executive Network (2007 and 2010), and was recognized as an Honoured Champion by the United Nations Association in Canada on the occasion of International Women's Day in 2009.

Ms. Leclair earned a degree in Public Administration and a Bachelor of Laws at the University of Ottawa and became a member of the Law Society of Upper Canada in 1985.



Mary Anne Aldred

Chief Operating Officer & General Counsel, Ontario Energy Board

MaryAnne Aldred will ensure appropriate allocation of staff resources to support the work of the committee.

Mary Anne Aldred joined the Ontario Energy Board as General Counsel in November 2006. She was appointed Chief Operating Officer in November 2017. Prior to joining the OEB, Mary Anne was a lawyer and regulatory affairs advisor for over 12 years with Hydro One and the former Ontario Hydro where she held the roles of Assistant General Counsel, Senior Legal Counsel and Director, Transmission Regulation. Mary Anne has provided legal counsel and leadership on a range of issues, including rates and facilities applications made to the OEB and has provided advice on aligning regulatory strategy with business goals, on government relations, administrative law and civil litigation. Mary Anne obtained her Law degree at the University of Western Ontario and was called to the Bar of Ontario in 1986.