

Name of Member	Area
<b>INDUSTRY MEMBERS</b>	
<a href="#">Andrew Bloomfield</a>	Utilities/Distribution
<a href="#">George Matai</a>	Utilities/Distribution
<a href="#">Darren Desrosiers</a>	Utilities/Distribution
<a href="#">Patrick Griffin</a>	Distribution/Product Safety
<a href="#">Lee Lawrence</a>	ME/Health & Safety
<a href="#">Michael Mankulich</a>	ME/EC
<a href="#">Jeff Dunn</a>	ME/EC
<a href="#">Rainer Arocena</a>	ME/EC
<a href="#">Ralph Van Haeren</a>	Retired ESA GM
<b>PUBLIC MEMBERS</b>	
<a href="#">Reena Goyal</a> , JD, LL.M.	Legal Counsel, Litigation
<a href="#">Richard Austin</a>	Economics, Finance & Regulatory
<a href="#">Daniel Pugen</a>	Employment & Labour, Grievance Arbitration

**Review Panel Roster Member Bios:**

<b>INDUSTRY MEMBERS</b>	
Andrew Bloomfield	Andrew Bloomfield has been in the electricity distribution business in the Greater Toronto Area and Southern Ontario since 1986. Mr. Bloomfield is currently the Vice President, Operations, at Niagara-onthe-Lake Hydro. Andrew is a Professional Engineer, Licensed Master Electrician, and Project Management Professional. He is a graduate of Ryerson’s electrical engineering technology power program and holds an MBA degree from the Edinburgh Business School at HeriotWatt University.
George Matai	George Matai is the Principal Engineer and founder of HSN Engineering Inc., an engineering company servicing the utility and telecommunication industry. With a career that spans over 20 years in the utilities and the energy sector in Ontario, Mr. Matai is a licensed Professional Engineer in the province of Ontario and holds a Master electrician license. Prior to leading the team at HSN Engineering, Mr. Matai held several technical and managerial positions with electric utilities and contractors. His experience within the utility industry includes, planning, estimating, scheduling of utility infrastructure and the execution of the work programs through detailed engineering design and construction.

Darren Desrosiers

Darren, Senior Manager, Technical Services, leads a team of engineers that are dedicated to ensuring that Hydro One Field Staff have the necessary standards, materials and support to build and maintain the distribution system. The team focuses on development, advancement and support of both underground and overhead distribution systems. Prior to taking his current role, Darren has held a variety of technical positions at Hydro One since his start date in 2007. He is passionate about safety and compliance, working directly with the Electrical Safety Authority focusing on Hydro One's compliance to Regulation 22/04 since 2011. Darren is a graduate from the University of Ottawa with a Bachelor's degree in Electrical Engineering and holds a license to practice as a Professional Engineer in the Province of Ontario. Prior to joining Hydro One, Darren spent a year working for Hubbell Power Systems. He spends his free time reading and skating with his 3 daughters.

Patrick Griffin

Patrick Griffin works as Manager, Technical Services for the Plan-Group LTD in Toronto. His professional credentials include, licensed Construction & Maintenance, Industrial and Master Electrician. He holds technical and safety certificates from Ontario colleges, safety training institutions and manufacturers. He has worked as a Technical Service Manager, Project Supervisor, Project Manager, Foreman and Electrician in Canada, Ireland, Holland and Belgium. Working on oil and gas, heavy industry, power generation, co-generation, mining, transportation, automotive, health care and data center projects. With comprehensive technical experience and knowledge in the application, installation, testing, commissioning, maintenance and safety of medium & low voltage electrical power systems and automation controls. He has developed and implemented specific safety and technical training courses.

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Lee Lawrence	With over 20 years of experience in the Construction, Industrial and Automotive sectors, Lee is a Red Seal certified 442A and 309A Electrician with his Master License in the province of Ontario. He also holds designations as an NCSO and CRST and has a certificate in Occupational Health and Safety from Niagara College, as well as a diploma from Mohawk College as an Industrial Instrumentation Engineering Technician. Lee specializes in the development and implementation of Management Systems, but also enjoys auditing, inspecting, planning, training, and anything related to Electrical Safety in the workplace. Lee brings his years of interpersonal, troubleshooting, and problem-solving skills to help organizations cultivate a positive safety culture by developing competent leaders and ensuring compliance to all legal and other obligations.
Michael Mankulich	Michael Mankulich was born and raised in London, Ontario. For the past 19 years, Mr. Mankulich has been a Professor at Fanshawe College in the Electrical Apprenticeship Program. He has been a licensed electrician since 1991 and has held his Masters License since 2001.
Jeff Dunn	Jeff Dunn has been practicing the trade of Construction and Maintenance Electrician since 2007 and obtained his master electrician license in 2017. In his current role as Service Manager at Lamarche Electric, Jeff manages key service client contracts and oversees the day to day operations of two dozen service electricians working in the National Capital Region. Jeff also teaches the Canadian Electrical Code on a part-time basis at La Cité College in the apprenticeship program.
Rainer Arocena	Rainer Arocena, P.Eng, PMP - Fifteen (15) years experience in the electrical engineering and project management of industrial and commercial installations; Journeyman 309A Construction and Maintenance, Master Electrician License, Member of Professional Engineers Ontario and Project Management Institute; Authored a comprehensive technical study on Analog Instrumentation and its Translation into Digital Dimensions.

Ralph Van Haeren

Ralph Van Haeren is a retired electrical engineer who has worked for over 30 years in the electrical industry. Ralph retired from the Electrical Safety Authority as Managing Director in 2012. During his 12 years with ESA, Ralph brought a strong sense of safety leadership to his various positions and served on numerous stakeholder committees. Ralph also spent 20+ years with Ontario Hydro/Hydro One, in various Transmission and Distribution Operations roles. Ralph graduated with a Bachelor of Applied Science – Electrical Engineering from the University of Waterloo, held a Master Electrician License for 10 years, and is a current Board Member of Halton Hills Hydro.

### **PUBLIC MEMBERS**

Reena Goyal

Reena provides advocacy and advisory services to private and public sector clients, with a focus on electricity markets and regulation. Reena provides clients with strategic advice and direction, representing market participants, loads, contract holders, shareholders, acquirers, investors and developers of a variety of power generation assets including wind, natural gas, solar, biomass and nuclear. Reena uses her expertise in the electricity sector to represent clients in various regulatory proceedings such as at the Ontario Energy Board and at all levels of court in Ontario. Prior to working at McCarthy Tétrault LLP, Reena was the Senior Counsel – Senior Manager, Market Rules & Dispute Resolution at the Independent Electricity System Operator (IESO). During her years with the IESO, Reena also completed internal secondments with the Market Assessment and Compliance Division (MACD), the Regulatory Affairs business unit and the President & CEO’s office. Reena serves as a roster adjudicator for the Electrical Safety Authority, for the Association of Professional Engineers of Ontario and for the electricity transmission dispute resolution panel established under Annex 309 of the Canadian Free Trade Agreement. She also co-teaches The Law and Economics of Electricity Markets in the L.L.M. in Energy and Infrastructure Law program at Osgoode Hall Law School.

Richard E. Austin

Richard E. Austin was admitted to the Ontario Bar in 1983 after receiving a law degree from the University of Windsor in 1981. He received a B.A. (Honours) majoring in Economics in 1978 from the University of Toronto and an MBA majoring in Finance from York University in 1984. He is a former member of boards of the Investment Funds Institute of Canada and the Association of Canadian Compliance Professionals. He sits on the boards of the Condominium Authority of Ontario, Ontario Clean Water Agency, Credit Counseling Society and Pan-African Credit Union, is a member of the disciplinary body of the Canadian Investment Regulatory Organization, an adjudicator with the Licence Appeal Tribunal and is the General Counsel of Lending Loop, a fintech start-up.

Daniel Pugen

Daniel is a lawyer and partner at the law firm of Torkin Manes LLP in Toronto where he is the practice group leader for the Firm's Employment & Labour Group. Daniel represents and advises management and employers on a wide variety of labour, employment and human resources/workplace issues. His labour relations practice involves responding to union certification drives and unfair labour practice complaints and also representing clients at labour board proceedings, grievance arbitration and collective bargaining. His employment practice is varied and deals with all aspects of the employment relationship from hiring to termination, including employment standards compliance, employment contracts and policies and termination/severance obligations. He has appeared as litigation counsel in grievance arbitrations and before administrative tribunals and the Courts. Throughout his legal career, Daniel has had the opportunity to work within the electrical safety regulatory environment, including having previously acted as counsel for ESA in various matters and as independent legal counsel to the Review Panel. He has an in-depth knowledge of the applicable legislation and regulations and is familiar with ESA's operations procedures and the processes surrounding the Panel.