



**APPrO  
2021**

# The Electric Future

**33rd Annual Canadian Power  
Conference & Networking Event**

**A fully-featured live interactive  
virtual conference**

**November 29 – 30**

[APPrO2021.com](http://APPrO2021.com) | [@appro2021](https://twitter.com/appro2021)



**Hon. Todd Smith**  
Ontario Minister of Energy



**Susanna Zagar**  
CEO  
Ontario Energy Board



**Lesley Gallinger**  
President & CEO  
Independent Electricity  
System Operator



**Ken Hartwick**  
CEO  
Ontario Power  
Generation



**John Kousiniotis**  
President & CEO  
TransAlta



**Heather Campbell**  
Executive Director,  
Clean Technology  
Alberta Innovates



**Brian Vaasjo**  
President & CEO  
Capital Power



**Mike Crawley**  
CEO  
Northland Power



**John Casola**  
Chief Investment Officer  
Canada Infrastructure  
Bank

# About the Annual Canadian Power Conference & Networking Centre Event

Canada, Ontario and the power industry face two major questions: how to achieve Net Zero targets effectively and responsibly, and how to adjust existing policy and regulatory systems to adapt to successive waves of new technology. Canada's power industry is vital to the historic shifts now underway towards electrification, decarbonization, and digitization, both at home and abroad. Which sub-sectors should electrify first and how can the investment and innovation be managed responsibly? In particular, what needs to be done to ensure the necessary policy, regulatory and financial mechanisms are aligned to expedite progress without creating inefficiencies?

APPrO 2021 will seek answers for the pressing questions of how to ensure decarbonization efforts are both effective and economic, leveraging Canada's clean power assets to benefit the entire economy in the transition.

Anticipating the return to in-person meetings in the future, APPrO 2021 offers the opportunity to learn from industry experts, gather new insights and network with industry peers – all over two jam-packed days using state of the art event platform technology. Try out the channels and see why so many people believe this is the top power conference in Canada.

Join us for the Canadian power industry's premiere event across all technologies.

Make sure to keep in the loop and get regular conference updates in your inbox! [Subscribe here!](#)

The APPrO conference is a must for all professionals engaged in the Ontario energy industry. The content is always full of the latest learning and practices from true, world-class industry experts. The WHOVA platform allowed for a seamless transition to a virtual online conference.

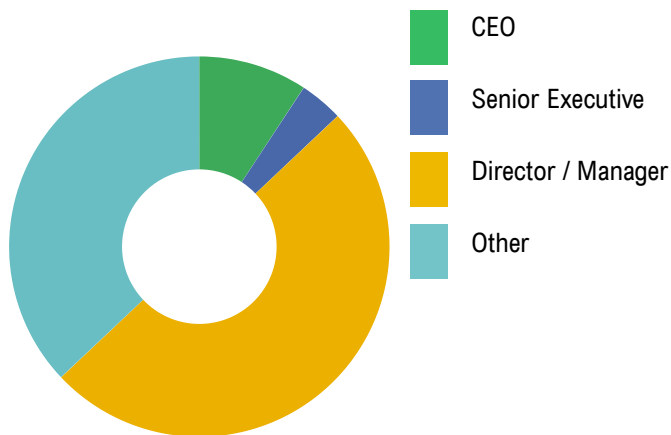
— Marc Chidiac, Senior Manager, Commercial Contracts  
Renewable Generation & Power Marketing, Ontario Power Generation

# Who Attends the APPrO Conference?

APPrO 2021 will host the key players from the leading-edge companies in Ontario's electricity sector. There is no other event in Canada that provides such a diverse and high-quality audience — virtually, in one place at one time — across the full spectrum of power supply technologies.

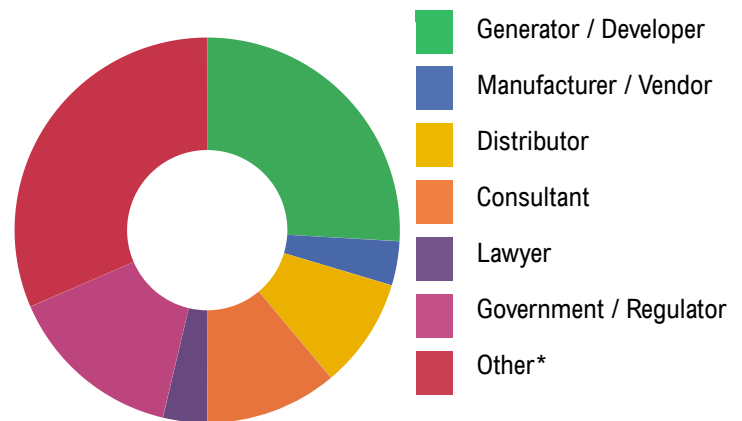
Check out what your colleagues are [saying](#) about the APPrO Conference!

## By title:



\* e.g. Analyst, Account Manager, Business Development, Consultant, Engineer, Owner, Senior Advisor, Supervisor, Technical Specialist

## By sector category:



\* e.g. Academic, Engineering Firm, Finance, NGO, Partner, R&D, Sales, System Operator, Technology Vendor

Attending the Canadian Power Conference is key to getting the pulse of the Ontario power market.

At APPrO you will hear from the most expert and thoughtful speakers, while making connections with important industry people who can help move your business forward. It's also the best place to re-connect with colleagues and clients across the spectrum of the generation industry. By far it's one of the leading industry events of its kind."

— Benjamin Grunfeld, Managing Director, Navigant

# The Electric Future

## Who Attends the APPrO Conference?

- +Generators
- +Distributors
- +Major power consumers
- +Regulatory agencies
- +Municipalities
- +Developers and marketers of new energy technologies and services
- +Financiers, investors + lenders
- +Consultants
- +Business Development professionals
- +Engineers
- +Equipment suppliers
- +Planners
- +Economic Development Officers
- +Transmission and Distribution grid operators
- +Micro-grid operations
- +Developers, owners, operators, manufacturers, integrators and vendors of energy storage systems
- +Project hosts
- +Community groups
- +DERs (Distributed Energy Resources)
- +System integrators
- +Aboriginal groups
- +Students
- ..... and anyone involved in the Canadian power industry

The APPrO Power Conference is a key event for energy sector players in Ontario. Attendees can always count on valuable networking opportunities, informed speakers and timely updates on industry developments.

— *Bonnie Hiltz*  
*Director, Power and Utilities, Sussex Strategy Group*

APPrO is such a professionally run and well thought out conference - it is outstanding every year - fantastic range of topics!

— *Jim Redford, Vice President, Energy Services, Enbridge Gas Inc.*



Ron Dizi  
Red Jar Capital



Robin Manley  
OPG



Chris Fralick  
Atura Power



Nicolas Bosse  
Brainbox AI



## Monday, November 29

8:30 am **Opening remarks by the APPRO 2021  
Conference Chair**

**Stephen Somerville**, H2O Power

8:35 am **Briefing on smart tech interaction tools**

Event host *Sean Mallen* of *Sean Mallen Communications* provides an overview on how to use the new online tools for accessing conference programming and networking with your peers.

8:40 am **Opening session with the Canada  
Infrastructure Bank:**

**John Casola**, Chief Investment Officer, Canada  
Infrastructure Bank

8:45 am **Conversation on financing strategies  
appropriate to current conditions**

Moderated by **Rob McLeese**, Access Capital

9:00 am **Networking Break A-1**

Host TBA

9:10 am **Power industry leadership in the drive to Net  
Zero**

*How new technology and changing markets could redraw the boundaries of the power business. Experts from diverse parts of the power industry demonstrate how initiatives already underway are amongst the most effective and efficient options for achieving Net Zero targets.*

Panel of technology experts including:

**Heather Campbell**, Executive Director, Clean Technology,  
Alberta Innovates

**Robin Manley**, OPG, Small Modular Reactors

**Chris Fralick**, Atura Power, Hydrogen on the power grid

**Nicolas Bosse**, Brainbox AI

Moderator: **Ron Dizi**, Red Jar Capital

9:25 am **Q&A**

9:30 am **Networking Break A-2**

Hosted by Evulugen

10:00 am **Keynote: Lesley Gallinger**

CEO, Independent Electricity System Operator

Moderator: **David Brownridge**, KPMG LLP

Moderated Q&A

Hosted by Hydro One

10:30 am **Networking Break A-3**

Host TBA

10:45 am **The Planning Outlook – Update on the  
provincial power grid**

**Chuck Farmer**, Vice-President, Planning, Conservation  
and Resource Adequacy, IESO

11:00 am **Moderated Q&A**

**Shane Freitag**, Borden Ladner Gervais LLP, Moderator

Comments from experts on power system modeling:

**Travis Lusney**, Power Advisory LLC

**AJ Goulding**, London Economics

11:20 am **Networking Break A-4**

11:30 am **What's working in other jurisdictions**

Panel of industry experts

**Dan Dolan**, New England Power Generators Association

**Evan Bahry**, IPPSA

**Laureen Whyte**, Clean Energy BC

**David Butters**, President of APPRO, Moderator

11:50 am **Moderated Q&A**

11:55 am **Overview of event outcomes**

Session host **Sean Mallen**

12:00 **Lunch break – Speed Networking Tables**



Laureen Whyte  
Clean Energy BC



Evan Bahry  
IPPSA



David Butters  
APPRO



Shane Freitag  
Borden Ladner  
Gervais LLP

Join the [Speed Networking Tables](#) or use the networking break to explore the platform, visit leading edge Power Networking & Sponsor Showcases, and investigate your recommended matches with Whova's [SmartProfiles Matchmaking](#) feature, all designed to facilitate your networking experience at APPRO 2021.

The APPRO 2021 Virtual Conference platform is provided with the generous support of Ontario Power Generation

1:00 pm **"Innovating to support the energy transition"**  
**Susanna Zagar**, CEO, Ontario Energy Board  
Moderator: **Ian Mondrow**, Gowling WLG

1:15 pm **Networking Break B-1**

1:20 pm **Resource Adequacy and Beyond**  
**Barbara Ellard**, Director, Resource and System Adequacy,  
Independent Electricity System Operator

1:30 pm **Moderated Q&A**

1:35 pm **Comments on Ontario's Resource Adequacy framework**

Legal and contracts perspective:

**Reena Goyal**, McCarthy Tetrault LLP

Financial perspective:

**Pelino Colaiacovo**, Morrison Park Advisors

Moderator: **Glenn Zacher**, Stikeman Elliott LLP

2:00 pm **Networking break B-3**  
**Discussion rooms key themes related to market evolution**

2:15 pm **CEO Fireside Chat**  
Rapid-fire questions posed to senior leaders of Canada's electricity sector. How do they anticipate co-ordinating the achievement of net zero and affordability objectives? How do they plan to approach electrification, and what do they think about the rules for the provincial supply mix, the appropriate way forward for developing interties and a

national grid, and current priorities for federal and federal-provincial attention in the next 3 to 5 years?

**Ken Hartwick**, CEO, Ontario Power Generation

In conversation with **Tabatha Bull**, CEO, Canadian Council of Aboriginal Business

2:40 pm **CEO Roundtable**

**John Kousinioris**, CEO, TransAlta

**Brian Vaasjo**, CEO, Capital Power

**Mike Crawley**, CEO, Northland Power

Moderator: **Shawn McCarthy**, Sussex Strategy Group

Moderated Q&A

Hosted by Northland Power

3:40 pm **Networking Break B-4**

4:00 pm **Keynote followed by moderated Q&A**

**Hon. Todd Smith**, Ontario Minister of Energy

Moderator: **James Scongack**, Chief Development Officer at Bruce Power and Chair of the IESO Stakeholder Advisory Committee

Hosted by Bruce Power

4:30 pm **The Canadian Power Awards Ceremony**

**WiRE Woman of the Year Award**

**APPRO Hedley Palmer Award**

Hosted by Borden Ladner Gervais LLP

4:55 pm **Speed Mentoring**

Introduction by Joanna Osawe, WiRE (Women in Renewable Energy) Co-Founder & Chair

All delegates are welcome to join the Canadian Power Awards Ceremony – no reservation necessary! Just click on the agenda item. The ceremony is open to anyone in the industry but registration is necessary – click [here](#) to register.

5:00 pm **Mentor and mentee breakouts**

(Participants move to separate link)



Scotty Greenwood  
Crestview Strategy



Paul Bradley  
Northleaf Capital



Jason Chee-Aloy  
Power Advisory LLC



Dan Moulton  
Crestview Strategy

## Tuesday, November 30

8:30 am **Putting Ontario's carbon pricing in context**  
Ontario's new EPS regime, soon to be in force, will set the rules for power sector GHG emissions in Ontario. What does it mean for power suppliers, considering the interaction between emission regimes, and provincial, national and international carbon markets?

**Lisa DeMarco**, Senior Partner and CEO, Resilient LLP  
Moderator: **Robyn Gray**, Principal, Sussex Strategy Group

8:55 am **Networking break C-1**

9:00 am **SMRs on the power grid**  
Developers, potential owners, and stakeholders share their perspectives on the anticipated growth of SMRs on Canadian power grids and the related business opportunities. Considering the potential for significant structural change, what would a grid enhanced with SMRs look like in 2030, 2040 and 2050?

Panel discussion:

- What is the likelihood that SMRs will be ready to help with decarbonization by 2030?
- The interprovincial MOU
- First Nations, manufacturing and customer perspectives, including off grid sites
- Related business development opportunities in the power sector
- How to manage the uncertainty over the rate of growth in electrification
- Frank discussion on the viability, assumptions and challenges of developing SMRs.

**Ron Oberth**, OCNI, reflecting the perspectives of many of Canada's vendors of SMR technology

**Sean Willy**, President & CEO, Des Nedhe Developments, an Indigenous economic development corporation

**Guy Lonechild**, Chief Executive Officer, First Nations Power Authority

**Guy Bruce**, Independent Consultant and Project Advisor for First Nations Power Authority

**Carol Gregoris**, Ontario Power Generation  
**Heather Kleb**, Bruce Power  
Moderator: **Robin Manley**, VP of New Nuclear Development, OPG

9:30 am **Networking break C-2**

9:45 am **Capital Markets update: Sources of Financing**

- Update on short and long-term bank financing options
- Ontario procurement mechanisms update - are they attracting financing?
- What's next after moving away from 20 year contracts?
- Royalty Structures - A new alternative for developers?
- Green financings - are they adding value to power project owners or just a marketing aspect?

**Jason Chee-Aloy**, Power Advisory LLC

**John Pak**, National Bank Of Canada

**Peter Leighton**, RE Royalties Ltd.

**Adam Beaumont**, Northland Power

Moderator: **Paul Bradley**, Northleaf Capital

10:15 am **Networking break C-3**

10:30 am **The growing role of ESG in power project development**

Experts share their insights on what power generation companies need to know about ESG and how they are positioning themselves for a future where ESG plays a growing role in raising capital.

**Rob Jozwiak**, Enbridge Inc.: Developer / supplier perspective

**Ian Howard**, Sustainalytics: Rating company perspective

**Duncan Rotherham**, ICF International: Power industry advisor perspective

Moderator: **John Vellone**, ESG Lead, BLG Canada

Hosted by Enbridge Inc.

11:00 am **Networking break C-4**

# The Electric Future

11:15 am **The Political Outlook**

**Maryscott (Scotty) Greenwood**, Partner and Managing Director, Crestview Strategy, Washington DC office  
Opening presentation on recent research and current Canada-U.S. relations,

Moderator: **Mike Richmond**, McMillan LLP

- What are the best ways to get closer to resolving the competing demands for affordability and Net Zero targets?
- Are Border Carbon Adjustments politically viable? How can they be made more appealing?
- What can the power industry do, to have the most positive possible influence on discussions about Border Carbon Adjustments?
- Is there a politically feasible resolution between the expectations for electrification, resource adequacy and Net Zero objectives?
- How will the Net Zero framework affect oversight of the power industry?
- What else needs to be done to ensure that Ontario isn't put at a competitive disadvantage compared to neighboring jurisdictions with much higher carbon content in their power mix?
- Is it possible to make near term progress reducing polarization on energy policy in Canada?
- Responses to comments from Canadian power industry CEOs.

**Mitchell Davidson**, StrategyCorp

**Dan Moulton**, Crestview Strategy

11:55 am **Wrap-up of the main conference by conference hosts**

12:00 noon **Lunch break and Speed Networking Tables D-1**

*Visit the community forums, participate in on-line discussions, pose questions and even start your own discussions.*

*Persistent challenge questions: Rise to the challenge, answer questions, and propose further discussion:*

- What are the best ideas for ensuring that Net Zero targets can be met effectively and economically with well-chosen electrification investments?
- What should Ontario's energy priorities be over the next 5-10 years? What are the basics we need to grapple with? What is critical and what's not?
- What specific proposals do you think need to be in the policy platforms of the major political parties in the run-up to the next election?
- Which rules and regulations should be relaxed soon on a trial basis, and which need to be fundamentally re-examined?
- Is the wholesale electricity market making progress on its long-term objective of fostering competition, or is it slipping back?
- What forms of electricity storage would be most effective for significantly improving the economics of electrification in Ontario? How can these options be most effectively facilitated?

Join the [Speed Networking Tables](#) or use the networking break to explore the platform, visit leading edge Power Networking & Sponsor Showcases, and investigate your recommended matches with Whova's [SmartProfiles Matchmaking](#) feature, all designed to facilitate your networking experience at APPrO 2021.





Falguni Shah  
Elexicon Energy



Eric Muller  
Quest Canada



Tyler Bryant  
FortisBC



Jan Buijk  
AB Energy Canada Ltd.



## The DER Ecosystem Ontario symposium on enabling the future Tuesday, November 30

Power suppliers recognize that long term success depends on having more than a clear idea of your direction. It's also necessary to put practical options on the table for moving forward under a range of scenarios. In this time of rapid change, solutions are not reached in isolation. The power grid must be re-envisioned as part of a larger ecosystem. Which synergies will make the most sense in this business cycle and which will need to be further developed as part of a longer term strategy?

Presented in collaboration with QUEST, Quality Urban Energy Systems of Tomorrow

1:00 pm **Introduction and briefing on the advancement of DERs in Ontario**  
**Harneet Panesar**, Chief Operating Officer, Ontario Energy Board

1:05 pm **Technical innovation like nothing that's come before**

**Tyler Bryant**, Low-Carbon Policy Manager, FortisBC:  
*"Why the energy transition is like the Apollo project of our generation"*

**Falguni Shah**, VP, Technology and Innovation, Elexicon Energy:  
*"Canada's first planned residential Smart Microgrid Community"*

**Ian McCarter**, MaRS Cleantech Business Development Lead:  
*"Principles Guiding the Transformation of the Energy System"*

Moderator: **Eric Muller**, QUEST Canada  
Moderated Q&A

1:30 pm **Networking break D-2**

1:35 pm **How is the system responding?**  
Overview of current policy and regulatory developments impacting distributed low carbon thermal generation in Ontario

**Richard Laszlo**, QUEST CHP Consortium  
Moderator: **Megan Roney**, Toromont

2:00 pm **Projects that break the barriers**  
**Shawn Carr**, Hydro Ottawa: *"Creative ideas coming from customers, what Hydro Ottawa is hearing"*  
**Justin Rathke**, Vergent Power Solutions

**Keegan Tully**, PowerON Energy Solutions: *"Supporting the electrification of the TTC with 8 microgrids"*

**Imran Noorani**, Peak Power

**Sarah Griffiths**, Enel X

Moderator: **Craig Sabine**, Guidehouse

3:00 pm **Networking Break D-3**

3:15 pm **The York Region Non Wires Alternative Demonstration Project**

**Ali Golriz**, Lead, System & Sector Development, IESO

**Hamza Mortgage**, Project Lead, Grid Innovation, GRE&T Centre, Alectra Utilities

**Brady Klein**, Senior Manager, Market Development, EnergyHub

Moderator: **Tom Levy**, Natural Resources Canada  
Moderated Q&A

4:00 pm **Conclusion**

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### Note to delegates:

All conference sessions will be recorded and available for registrants to access after the event.

Whova, the APPRO 2021 virtual event platform is available at [this location](#). Alternatively, you can download the Whova mobile app [here](#). Whichever way you choose to access Whova, you will be able to create or make changes to your current profile whenever you want. In order to get started on either the web or mobile app, you will need to enter your email address and a password to create your account. When your account is set up, you can go [here](#) to find a user guide for speakers/moderators and attendees, to help familiarize yourself with the platform.

# Make the most of your APPrO 2021 virtual experience

See, visit, engage with and interact through key parts of the event platform



**The main conference program**



**Live chat, Q&A and polling, riffing off the main session**



**Hosted virtual meeting rooms and sub-session**



**Discussion forums on key issues, including topics that emerge spontaneously during the event**



**Virtual meetups and other networking functions**

## WELCOME BACK TO THE WHOVA ONLINE EVENT PLATFORM

APPrO 2021 will take place virtually again this year on our state of the art digital event and networking platform featuring interactive panels, virtual meetings, video streaming, community engagement, shared interest meet ups and sub-groups, ice breakers, and SmartProfile, enriched attendee profiles to help you connect with folks relevant to your business, and the ability to send private messages to generate business and contacts. The platform includes a web app for use on your laptop or pc which for more comfortable viewing of sessions and a mobile app for your added convenience and for the networking and game features.

[More about the APPrO 2021 virtual experience.](#)

## HELP DEVELOP YOUR PROGRAM

In advance of APPrO 2021, participate in developing the program that you want to see! Use APPrO's [PowerTopic suggestion tool](#) to submit suggestions for topics, speakers and vote on others' suggestions!

During APPrO 2021 join in the discussion on the interactive features of the WHOVA event platform. Check out last year's [wrap up!](#)

## JOIN US ON SOCIAL MEDIA

Feel free to join the conversation on social media, and share these links with your colleagues and contacts:

- @APPrOntario
- [LinkedIn.com/APPrO](https://www.linkedin.com/company/appro)
- @APPrOPowerMemoryProject
- Association of Power Producers of Ontario
- Instagram @appro\_conference

More on [Social links](#) to join the APPrO 2021 conversation

APPrO [PowerConnect](#) conference web app (available with presentations post event)

## REGISTER ONLINE:

APPrO members:

Last Chance – November 20 to November 30: \$500 + HST

Non-Members:

Last Chance – November 20 to November 30: \$650 + HST

(Contact [carole.kielly@appro.org](mailto:carole.kielly@appro.org) for information on membership)

Group rates are available - 20% discount for 5 or more registrants from the same company.

Special reduced Delegate rates are available. See details and conditions [here](#). Check online for full details and last minute updates or [subscribe](#) to receive updates via email.

The APPrO conference was a wonderful opportunity to network with important industry officials and to catch up with some old friends.

— Steve Gilchrist, President, Cinergex Solutions  
(former Minister of Municipal Affairs and Housing and Parliamentary Assistant to the Minister of Environment and Energy)

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