

POWER TALKS: YOUR TOP QUESTIONS ABOUT NUCLEAR

Thursday, April 27, 2023 | 12 - 1:30 PM

Join us as experts in the nuclear field answer your top questions about nuclear power. Panelists from across Canada will address topics about nuclear waste, safety, SMR technology, costs and more.

saskpower.com/power talks

PANELISTS

MODERATOR



Chief Emeritus
Emily Whetung



Gary Rose



George
Christidis



Paul Thompson



Sarah Eaton



Doug Opseth

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PANELIST:

CHIEF EMERITUS EMILY WHETUNG

Chief Emeritus Emily Whetung grew up in Curve Lake First Nation and left long enough to pursue a higher education at Trent University and Osgoode Hall Law School. She married a Mohawk from Wahta and convinced him to build a life on the Chemong side of Curve Lake. She practiced Real Estate Law in Peterborough for a decade while she started to work on the next generation of Whetungs, raising two lovely little boys.

Serving as Chief of Curve Lake from 2019 to 2022, Emily is passionate about the rights of First Nations people, ensuring her community has every opportunity to thrive and protecting the environment for all future generations, protection of Treaty Rights, finding ways to ensure economic advancements occur in sustainable manners, and building healthy relationships between First Nations and Canadians.

Emily sits on the Anishinabek Nation Leadership Council and is the vice-chair to the Indigenous Advisory Council for Small Modular (Nuclear) Reactor Action Plan and is a panel member for the Electrification and Energy Transition Panel in Ontario. She continues to use her expertise and knowledge to ensure that that voices of Indigenous people are heard and respected.

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PANELIST:

GARY ROSE

Gary Rose has worked for Ontario Power Generation for 35 years. Gary is currently the Vice President of New Nuclear Growth at Ontario Power Generation. In this capacity, Gary is responsible for the development of opportunities to deploy New Nuclear in Ontario while working with other jurisdictions in Canada and internationally to develop opportunities for nuclear expansion.

Gary is a Chartered Professional Accountant (CPA) and has a Bachelor of Commerce from Ryerson University. He is a graduate of Rotman's Director Education Program and a certified Corporate Director (ICD.D).

Prior to this role, Gary's career spans a number of progressive management roles in Corporate Finance and, for the past 22 years, in major nuclear projects. This includes senior roles on the Pickering A Return to Service Project and the \$12.8 Billion Darlington Refurbishment Program where he was the vice president of Planning and Project Controls and, as Deputy Vice President Execution, contributed to the in-service of Unit 2 in June 2020.

Gary is a continuous advocate for Project Management and Project Controls application in all projects being executed at OPG, and often provides his counsel to industry and partner groups alike. Gary has served on the Product Review Board for the Construction Industry Institute. He is also a member of the Project Management Institute and holds a PMP certification, and is a member of the Association for the Advancement of Cost Engineering (AACEi).

Gary is currently the Chairman of the Durham College Board of Governors. He previously served on the Whitby Public Library Board for close to nine years, including Vice Chair and Chair.

ABOUT OPG

Ontario Power Generation produces more than half of the electricity Ontarians rely on every day. Our power is safe, clean, reliable and costs about a third less than other generators. With operations that span the province from Cornwall to Kenora, we value the safety and health of our communities and 9,000+ employees above all else.

As the province's leading clean power generator, OPG produces reliable, low-cost power using a diverse mix of generation sources, including century-old hydro stations and some of the world's best-run nuclear stations, among others.

With help from our employees, site communities and partners, we're working to ensure a more sustainable future, a cleaner environment, a stronger economy and more livable communities.

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PANELIST:

GEORGE CHRISTIDIS

George Christidis is Vice President of Government Relations and International Affairs at the Canadian Nuclear Association. He is also Director of Federal Affairs for Ontario Power Generation.

George has an extensive experience in designing and implementing advocacy strategies and initiatives that have supported the Canadian nuclear industry in Canada and abroad.

With over 20 years of experience working with federal, provincial, municipal, and international government stakeholders, Mr. Christidis' experience includes diverse public and private sector involvement, providing strategic advice and recommendations to senior government and corporate decision-makers.

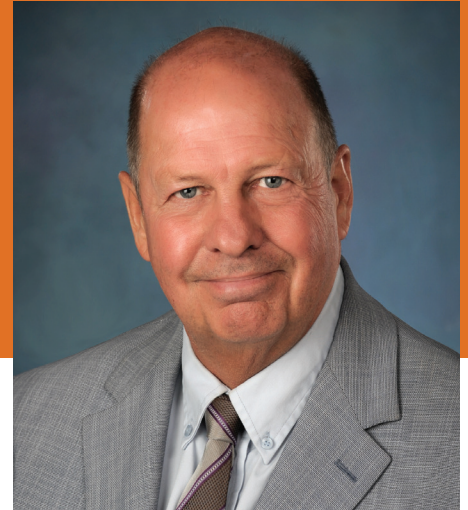
He has previously held key positions within the Canadian government that include policy advisor and former chief of staff for former chief of staff for key ministers in the Canadian government.

ABOUT THE CNA

The Canadian Nuclear Association (CNA) has been the national voice of the Canadian nuclear industry since 1960. Working with our members and all communities of interest, the CNA promotes the industry nationally and internationally, works with governments on policies affecting the sector and endeavours to increase awareness and understanding of the value nuclear technology brings to the environment, economy and daily lives of Canadians.

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PANELIST:

PAUL THOMPSON

Paul Thompson is the Senior Strategic Advisor for the Advanced Reactor Development team at NB Power. He was a member of the Steering Committee that developed the Pan-Canadian SMR Roadmap, the CEO SMR Forum Working Group and the COG SMR Technology Forum.

Paul has spent over 43 years in the nuclear power industry and has previously held the positions of NB Power Deputy Chief Nuclear Officer, as well as being the NB Power member on the Candu Owners Group Board of Directors and the Advisory Board for the Centre for Nuclear Energy Research.

Paul has twice held the position of President of the Canadian Nuclear Society and is recognized as a Fellow of the Canadian Nuclear Society. In June 2020, Paul received the Canadian Nuclear Society/Canadian Nuclear Association Harold A. Smith Award for Outstanding Achievement.

ABOUT NB POWER

New Brunswick Power (NB Power) is responsible for the generation, transmission and distribution of electricity that powers the lives and livelihoods of more than 400,000 customers across New Brunswick. With approximately 2,600 employees, NB Power deliver safe, reliable energy to their customers by way of 21,358 km of distribution lines, substations, terminals and switchyards that are interconnected by 6,905 km of transmission lines.

As a Crown Corporation, NB Power's owner and sole shareholder is the Government of New Brunswick. NB Power reports to the government through the Minister of Natural Resources and Energy Development.

New Brunswickers' needs for electricity varies greatly with the seasons, with energy usage reaching its highest peaks in the cold winter months. To meet the wide swing in demand and make sure New Brunswickers have the power they need when they need it, NB Power maintains standby generation with extra capacity. NB Power has a mix of generation types, including nuclear, hydro and fossil fuel thermal stations and purchases wind power generation.

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PANELIST:

SARAH EATON

Sarah Eaton is the Director of the Advanced Reactor Licensing Division at the Canadian Nuclear Safety Commission (CNSC). She began her CNSC career in 2009, spending over eight years conducting inspections of uranium mines and mills. In 2017, Sarah joined the Nuclear Processing and Facilities Division, where she was a Senior Project Officer conducting inspections of fuel cycle facilities and spearheaded a number of improvement initiatives. In April 2021, Sarah was appointed the Director of Advanced Reactor Licensing in the Directorate of Advanced Reactor Technologies (DART). Sarah and the Advanced Reactor Licensing team are responsible for licensing small modular reactors (SMRs) and Advanced Reactors. DART is also the SMR readiness hub for the CNSC, ensuring a coordinated matrix approach to organizational readiness for regulating SMRs and new, advanced technologies. Sarah is a proud Newfoundlander, with a Master of Science in Earth Science from Memorial University of Newfoundland, and is currently registered as a Professional Geologist (P. Geo) with Professional Geologists of Ontario.

ABOUT THE CNSC

The Canadian Nuclear Safety Commission (CNSC) regulates the use of nuclear energy and materials to protect health, safety, security and the environment; to implement Canada's international commitments on the peaceful use of nuclear energy; and to disseminate objective scientific, technical and regulatory information to the public.

Under the *Nuclear Safety and Control Act*, CNSC's mandate involves four major areas:

- regulation of the development, production and use of nuclear energy in Canada to protect health, safety and the environment
- regulation of the production, possession, use and transport of nuclear substances, and the production, possession and use of prescribed equipment and prescribed information
- implementation of measures respecting international control of the development, production, transport and use of nuclear energy and substances, including measures respecting the non-proliferation of nuclear weapons and nuclear explosive devices
- dissemination of scientific, technical and regulatory information concerning the activities of CNSC, and the effects on the environment, on the health and safety of persons, of the development, production, possession, transport and use of nuclear substances

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MODERATOR:

DOUG OPSETH

Doug Opseth is the Director of Generation Asset Management and Planning at SaskPower. In this role, Doug leads the team with the challenging task of ensuring the growing demand for power in Saskatchewan can be met while at the same time dealing with aging generation facilities and increasing pressures on greenhouse gas emissions. Doug is also overseeing SaskPower's development work towards nuclear power from small modular reactors. Much of Doug's work the past several years has been focused on the development of SaskPower's long-term plan for the energy transition away from conventional coal by 2030. Previously Doug had been responsible for SaskPower's work with Independent Power Producers and led the negotiations of Power Purchase Agreements with private companies and neighbouring Canadian provinces.