

INTEGRATING LARGE-SCALE RENEWABLES

Wednesday, May 3, 2023 | 12 - 1:30 PM

Utility-scale renewable facilities are critical to achieving net-zero greenhouse gas emissions. So, what does it take to integrate them into the grid? Join us to learn about the benefits of renewables, perspectives on Indigenous opportunities, and how to bring it all together from a planning perspective.

saskpower.com/power talks

PANELISTS

MODERATOR



Kevin Dawson



Chris Henderson



Daphne Kay



Casey Cathey



David Short



Lara Ludwig

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PANELIST:

KEVIN DAWSON

Kevin Dawson was appointed Vice President, Strategic Integration for the Alberta Electric System Operator (AESO) in January 2023.

Kevin is responsible for leading and coordinating the AESO's activities related to industry-wide transformation and decarbonization while ensuring a focus on affordability.

Kevin joined the AESO in 2010, serving most recently as Director, Forecasting & Analytics, and has held the roles of Director, Market Design and Senior Program Manager.

He has 25 years of experience in the electricity industry. Prior to joining the AESO, Kevin worked with TransAlta in the areas of forecasting, risk management, commercial management, portfolio optimization and commodity hedging.

Kevin holds a Bachelor of Arts Honours degree in Economics and a Master of Arts degree in Economics, both from the University of Calgary. He is a Chartered Financial Analyst® charterholder.

ABOUT THE AESO

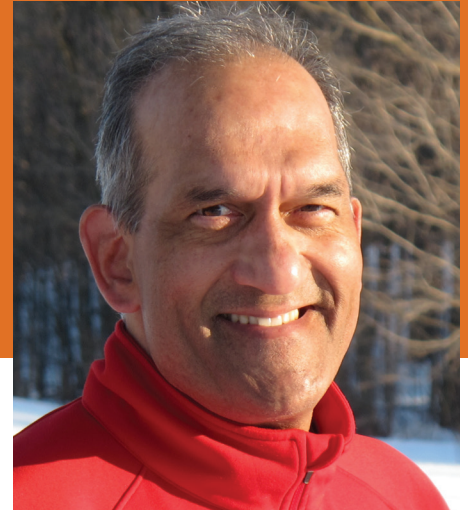
The Alberta Electric System Operator (AESO) is committed to playing a leadership role in enabling the transformation of the province's electricity sector while ensuring reliable, affordable power is always available to Albertans.

The AESO manages and operates the provincial power grid.

We're a not-for-profit organization with no financial investment in the industry. On behalf of Albertans, we work with industry partners and the government to make sure reliable power is there when you need it. Whatever changes happen in the world, you can rely on us to manage the electricity markets and meet your energy needs – now and in the future.

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PANELIST:

CHRIS HENDERSON

Chris Henderson is a Canadian clean energy thought leader, eco-entrepreneur and environmental innovator. For the past 35 years, he has led and been at the forefront of ground-breaking Canadian enterprises and local/national business, social and ecological initiatives which have global impact and resonance. Chris is a trusted and insightful commentator on economic, environment and energy issues that respect the Planet and generate enduring outcomes for corporations, communities and Canada. Chris has two prime focuses. Firstly, advising and equipping Indigenous peoples and communities to develop and own clean energy projects to catalyze social development and economic opportunity, and to combat Climate Change. Secondly, providing high-impact strategic advice on accelerating energy transition to a low-carbon and more competitive energy future. Chris' first book, *Aboriginal Power*, was published in 2013.

Chris is the President of Lumos Energy, Founding Executive Director of the Indigenous Clean Energy Social Enterprise, Founder of The Delphi Group and Board Chair of the Globe Series.

ABOUT ICE

Indigenous Clean Energy Social Enterprise (ICE) is an Indigenous-governed, non-profit organization that advances sustainable prosperity by amplifying First Nation, Inuit and Métis participation in clean energy projects from coast to coast. ICE is governed by a transparent, knowledgeable and experienced Indigenous board of directors, and an advisory council which is over 75 per cent Indigenous.

ICE trains over 160 Indigenous people each year through its programs, including through its award-winning 20/20 Catalysts Program. In addition, there are 75 people participating in Generation Power's employer equity training from 28 organizations.

Additional ICE programs such as Bringing it Home ('Healthy Energy Living' Indigenous housing), Clean Energy Technical Services and Mentoring, EV Charging Systems, Energy Auditor Training, and Global Hub (promoting Renewable Energy Microgrids connected into the UNFCCC Conference of the Parties) means the organization offers the country's most substantive Indigenous clean energy-climate programming and Indigenous outreach capacity.

Simply put, ICE's role as the national hub for Indigenous clean energy leadership and participation is essential to Canada's energy transition and net-zero economic growth and prosperity, and vital for the achievement of the greenhouse gas (GHG) reduction goals of the Paris Climate Accord.

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PANELIST:

DAPHNE KAY

Daphne Kay is a proud Anishinaabe Ikwe from Cowessess First Nation, Treaty 4 Territory. She is the Energy and Climate Manager of the Global Hub at Indigenous Clean Energy Social Enterprise (ICE), where she works to support Indigenous clean energy sovereignty on national and global scales. Daphne studied Political Science at the First Nations University of Canada and University of Regina, and went on to study Land Management at the University of Saskatchewan. Daphne was fortunate to work for her Nation in various capacities where she gained clean energy project management and community engagement experiences. Daphne has always been passionate about sustainable living and protecting the land. Outside of work, Daphne enjoys beading, travelling and dancing pow-wow and strives to continue living in a good way in hopes of being a good future ancestor.

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PANELIST:

CASEY CATHEY

Casey Cathey is a 20-year veteran of the power industry and a subject matter expert for energy markets, grid operations and transmission planning. He was a leader in two energy market starts: the SPP Energy Imbalance Services market and the Integrated Marketplace. He has also operated and supported the Balancing Authority, Reliability Coordination, Tariff and Scheduling, Transmission Planning, Modeling, Reliability Assurance, Research & Development, and Transmission Operations functions. Casey and his team are currently responsible for Generation Interconnection, Transmission Service, and Resource Adequacy. He holds a Bachelor of Science in Electrical Engineering from Louisiana State University, has a Master of Business Administration from the University of Arkansas at Little Rock, and has held a Professional Engineering licence for 15 years.

ABOUT SPP

The Southwest Power Pool (SPP) is about more than power. We're about the power of relationships. We work together with our members and other stakeholders to ensure electricity is delivered reliably and affordably to the millions of people living in our multistate service territory.

SPP is a regional transmission organization (RTO) - a non-profit corporation mandated by the Federal Energy Regulatory Commission to ensure reliable supplies of power, adequate transmission infrastructure and competitive wholesale electricity prices on behalf of its members.

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PANELIST:

DAVID SHORT

David Short holds the position of Senior Director, System Integration for the Independent Electricity System Operator (IESO). In this role his teams are responsible for managing power system changes in Ontario for the IESO, and engineering analysis and studies that define our system models, operating limits and real-time operating instructions. David has held a number of positions within the IESO since joining in 2004, including roles in Operations, IT and Regulatory Affairs.

David has 30 years of industry experience in Ontario and British Columbia. He holds a Bachelor of Science (Electrical Engineering) from Queen's University and is a registered Professional Engineer in Ontario.

ABOUT THE IESO

The Independent Electricity System Operator (IESO) manages the province's power system and energy market so that Ontarians receive power when and where they need it. We plan and prepare for future electricity needs. Peak summer and winter loads are 27,005 MW (August 1, 2006) and 24,979 MW (December 20, 2004), respectively. Grid-connected capacity in 2022 totalled 38,096 MW (13,089 MW nuclear, 10,482 MW gas/oil, 8,868 MW hydro, 4,883 MW wind, 478 MW solar and 296 MW biofuel). We are the NERC reliability coordinator, balancing authority and transmission operator for Ontario.

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MODERATOR:

LARA LUDWIG

Lara has been working in the field of public engagement for over a decade, focusing on large industrial projects. Her lived experience has taught her that public feedback is a valuable resource that benefits developments in many ways. At SaskPower, Lara leads a team of company liaisons who oversee and implement siting/development approaches for transmission line projects, natural gas power stations, large-scale solar power, SaskPower's nuclear planning project and the Future Supply Plan – 2030 and Beyond.