



# CRIN

Clean Resource Innovation Network

Recognition of Directors Service | 2024-2025

Election of Directors | 2025-2026

# Recognition of CRIN Directors and Officers 2024 - 2025



Douglas Freel (Chair)



Joy Romero (President)



Dagmar Knutson (Treasurer)



John Adams



Catherine Bérubé



Andrea Crook



Monica Gattinger



Jim Gibson



Kendra MacDonald



Steve Saddleback



Marie Sereneo



Geoff Tavette



Cheryl Trudell



C. Beth (Hardy) Valiaho



John Zhou

# A Special Thank You to our Directors Retiring from the Board



Catherine Bérubé



Jim Gibson

# Douglas Freel



Douglas Freel retired from his position of Managing Director at ARC Financial Corporation in Calgary in 2022. During his 24 years there he focused on the oilfield services segment of ARC's oil and gas investments. He continues to represent ARC on some of its boards including as Chairman of Citadel Drilling Ltd..

Prior to joining ARC in 1998, he spent nine years with Schlumberger serving in a variety of overseas locations. He holds an MBA from the University of Toronto and a BSc in Engineering from Queen's University.

# Joy Romero, P.Eng, MBA PM, ICD.D, FCAE



Joy Romero is a metallurgical engineer with over 30 years of experience in the energy sector. She is currently Executive Advisor, Innovation at Canadian Natural Resources Limited, Board Member and Past President of the Clean Resource Innovation Network (CRIN), member Co-Lead for the Pathways Integrated Emissions Strategy Working Group, Steering Committee member BC's Methane Emissions Reduction Collaborative, member of the NRC Clean Energy Innovation Research Centre Advisory Board, advisor at the University of Alberta and Southern Alberta Institute of Technology and serves on the Boards of Calgary's Heritage Park.

She is an inductee of the Canadian Petroleum Hall of Fame, was recognized by Foresight Canada as one the top 20 women leading clean tech in Canada, a recipient of the Queen Elizabeth II's Platinum Jubilee Medal, an Honourary Doctor of Science from Athabasca University, a Fellow of the Canadian Academy of Engineering and a member of the Institute of Corporate Directors.

# Dagmar Knutson, CPA, CA



Dagmar Knutson, CPA, CA, is the Executive Director of Ten Peaks Innovation Alliance Inc. and CFO at Fusion Production Systems Inc., an oil and gas manufacturing company, with more than 25 years' experience working in the energy industry in Alberta. It was when her son came home from Grade 9 without a keen understanding of current innovation in the oil and gas industry that she decided there was an opportunity to do more. She was inspired to organize a student conference after emailing her son's teachers with industry innovation and technology insights every month for two years leading up to the 2021 Ten Peaks conference.

Dagmar immigrated with her parents as a toddler to Alberta, growing up in Drayton Valley on a sawmill. It's where her love of trees began and still to this day, the forest and mountains is where Dagmar finds peace and clarity from the busy world of oil and gas.

She earned a Bachelor of Commerce from the University of Calgary - the first to graduate from university in her family - and obtained her CPA, Chartered Accountant designation in Calgary in 1995. Dagmar has worked in several accounting roles within the oil and gas, IT, and entrepreneurial companies prior to founding Ten Peaks in 2021.

Her focus with Ten Peaks is to engage, educate and inspire thousands of Alberta students and teachers with high-quality learning opportunities, elevating their insights and perspectives on the cross-collaboration between energy, environment and climate.

Dagmar lives in Red Deer, Alberta with her husband Darryl, and their sweet and feisty labradoodle hound dog, Cyder.

# John Adams



John Adams is President and CEO of NGIF Capital, leading the firm's strategic direction and overseeing its \$50MM Cleantech Ventures fund focused on natural gas and hydrogen startups. He also serves as President and CEO of NGIF Accelerator, a non-profit supporting innovation in natural gas, hydrogen, and renewable natural gas technologies. With over 30 years of experience in cleantech, energy, investment, and venture capital, John manages teams across Canada and maintains strong relationships with investors and portfolio companies. He serves on multiple boards, including Clean Resource Innovation Network and several cleantech startups. John has held executive roles at the Canadian Gas Association, Sustainable Development Technology Canada, and Mitsui Canada.

He has been a jury member for several industry selection committees and holds a bachelor's degree in environmental science from the University of Toronto, completed the Berkeley Venture Capital Executive Program and earned ICD.D certification.

John was recognized in Canada's Clean50 in 2022 for his contributions to clean energy leadership.

# Kendra MacDonald



Kendra MacDonald is the CEO of Canada's Ocean Supercluster, where she leads a national cluster accelerating ocean innovation and positioning Canada as a global leader in the sustainable blue economy. Kendra has played a pivotal role building the OSC from the ground up – harnessing Canada's ocean advantage to solve global challenges and unlock economic opportunity. Under her leadership and with a dedicated team, the OSC has committed to almost 150 projects, contributed to the creation of thousands of jobs, and helped launch almost 200 ocean companies, fostering unprecedented collaboration across regions, sectors and communities.

In recognition of her leadership in ocean innovation, Kendra has been named one of Atlantic Canada's Top 50 CEOs by Atlantic Business Magazine for the last five years and one of Canada's Top Sustainability Leaders by Clean50 in 2022. Kendra is also committed to community through her Board work with multiple organizations including the Museum of History and the Canadian Chamber of Commerce and was recently recognized as a recipient of the King Charles III Coronation Medal.

Prior to leading Canada's Ocean Supercluster, Kendra was a Partner at Deloitte and served as the first Chief Audit Executive for Deloitte Global. She brings more than 30 years experience in innovation, risk management and strategic growth – experience she now applies to help shape a sustainable, digital, and inclusive future for Canada's ocean economy.

# Monica Gattinger



Monica Gattinger is Founding Chair of Positive Energy, Director of the Institute for Science, Society and Policy, and Full Professor at the School of Political Studies at the University of Ottawa. Dr. Gattinger is an award-winning researcher and highly sought-after speaker, strategic adviser and media commentator in the energy sector. Her innovative research programme convenes business, government, Indigenous, civil society and academic leaders to address complex policy, regulatory and governance challenges. Gattinger is Fellow at the Canadian Global Affairs Institute, board member of the Clean Resource Innovation Network, and serves on advisory committees for Ontario's Independent Electricity System Operator, the National Research Council Canada, the Nuclear Waste Management Organization, the Ontario Energy Board, the Ottawa Science Policy Network, the University of Calgary and Women in Nuclear Canada. She chaired the Council of Canadian Academies' Expert Panel on International Science and Technology Partnerships and was a member of the Government of Ontario's Electrification and Energy Transition Panel. Monica is a columnist for DOB Energy and she received the 2020 Clean50 Award for her thought leadership in the energy sector. She holds a PhD in public policy from Carleton University.

# C. Beth (Hardy) Valiaho, BA, LLB, LLM



Beth acts as the President of RETI Data Centres Inc. for Reconciliation Energy Transition, a development company in the low-carbon energy transition economy valuing meaningful Indigenous participation, where she is working to develop low carbon power solutions for data centres that incorporate carbon capture, transportation, and storage.

In her consulting business – Valiaho Consulting, Beth focuses on important challenges surrounding business decision-making processes, policy certainty, and regulatory development in the energy and carbon space at a decision-making level to build pathways to success.

Beth's background in business development, policy, and regulatory development surrounding Carbon Capture and Storage has distinguished her as a global expert in the field by International Energy Agency. She takes pride in developing and maintaining relationships with key stakeholders in industry.

# Steve Saddleback



Steve Saddleback is a member of the Samson Cree Nation located in Maskwacis, Alberta, Treaty Six Territory.

He is a Partner at Opimoyaso Group, a 100% owned Indigenous Firm and a Senior Advisor, External Relations to the First Nations Major Projects Coalition.

Steve has worked for National and International Organizations in Finance, Real Estate Investment, Banking, Economic Development, Government Relations, Advocacy for a Non-Profit, Education & Career Development, Fiscal Relations, Co-Chair (IRC Representative) of the First Nations Site Rehabilitation Program alongside the Government of Alberta and was a Partner of an Oil and Gas lease construction company in Northeastern British Columbia.

Steve is a board member of Renfrew Educational Services, Clean Resource Innovation Network, Equitable Origin and is an Advisor to IndigeSteam. He is a Fellow of the Energy Futures Lab.

Steve is adamant about working towards meaningful involvement of Indigenous communities in all areas of the economy with a focus on the Energy sector.

# Geoff Tauvette



Geoff is a senior leader in commercial aviation and an engineering professional at the forefront of airline sustainability with more than 25 years of experience in integrating aviation fuel procurement, environment, and climate risk management, giving him a unique perspective on creating a sustainable aviation fuels market in Canada to support decarbonizing the aviation industry.

His past responsibilities have centered around setting direction on aviation environmental sustainability strategies, being an industry advocate in the design of aviation climate policy and regulatory measures and reducing aviation emissions through stakeholder collaborations to advance the use of sustainable fuels and other emissions reduction initiatives.

Geoff holds a bachelor's and master's degree in civil engineering. He is also a fellow of the Alberta Energy Futures Lab, a sustainability-driven, innovation-focused initiative whose vision is to accelerate the clean transition of Alberta's energy system.

# Andrea Crook, P. Geoph



Andrea Crook, P.Geoph, is the co-founder & CEO of OptiSeis Solutions Ltd., a leader in sustainable solutions for high resolution subsurface imaging and analytics. At OptiSeis, she leads a team focused on innovation and operational excellence with a specific focus on as improving the environmental footprint. OptiSeis' latest proprietary technology, EcoSeis, helps to enable the new energy economy by providing low carbon, high resolution subsurface images for critical mineral mining, geothermal energy, and carbon sequestration projects and traditional energy projects.

Andrea graduated from the University of Manitoba with a B.Sc. Honours in geophysics and continues to engage academically by acting as an instructor for the Society of Exploration Geophysicists, as well as actively contributing to the field of geophysics with numerous award-winning papers and presentations. Andrea is the recipient of the 2019 Canadian Society of Exploration Geophysicists Technical Achievement Award, she was the 2023 CSEG Symposium Honouree and is the current 2024/2025 CSEG Distinguished Lecture Tour presenter.

Andrea's extensive geophysical experience in seismic processing and geophysical operations was established at Shell Canada and Boyd PetroSearch. She is a member of the Association of Professional Engineers and Geoscientists of Alberta, the American Association of Petroleum Geologists, the Society of Exploration Geophysicists, the Canadian Society of Exploration Geophysicists, and the European Association of Geoscientists and Engineers.

# Marie Sereneo



Marie Sereneo is a Carbon Strategy Advisor at ARC Resources, a Canadian energy producer, where she is advancing ARC's carbon markets program as part of the organization's broader climate change strategy. Marie brings a diversity of cross-cutting sustainability experiences across public, private, and consulting roles, including the Government of Alberta, Deloitte, and various clients across the energy and financial sectors.

Beyond her professional roles, Marie is passionate about bringing young and under-represented voices to high-level climate conversations. She is currently a Board Member and Adopter Sector Chair with the Clean Resources Innovation Network (CRIN), and is a proud alumnus of the Energy Futures Lab, Young Diplomats of Canada, and Global Shapers Calgary. Marie holds an MPH with a specialization in Environmental and Occupational Health from the University of Alberta and a BSCh in Environmental Science from Queen's University.

# Cheryl Trudell, PhD, P.Eng, FCAE, FCSSE, ICD.D



Cheryl Trudell is the Climate Manager, Imperial. Cheryl is the Chair of the Petroleum Technology Alliance Canada Board of Directors and Executive Committee, on the Clean Resources Innovation Network Board, on the World Petroleum Congress Energy Canada Board and the Pathways Technical Development Steering Committee. She recently joined Avatar Innovation advisory committee. She is a member of the Association of Professional Engineers and Geoscientists of Alberta, is a Canadian Academy of Engineering Fellow and a Canadian Society of Senior Engineers Fellow.

Cheryl graduated from Western University in 1992 with a Bachelor of Science in Biochemical Engineering and a Ph.D. in Chemical Engineering in 1996. Over the last 25 years, she has held progressively more responsible positions in engineering, research, planning, operations and management disciplines in both Calgary and Houston. In her current role, Cheryl leads Imperial's climate strategy activities.

# John Zhou, Ph.D., P.Geol., ICD.D



John Zhou (Ph.D., P.Geol., ICD.D) is a retired corporate executive and the president of B2V Advisory, providing strategic advice for public and private organizations on sustainable resource development, GHG mitigation, bitumen beyond combustion (BBC), and advanced materials including battery materials. John also serves as a Senior Advisor for Emissions Reduction Alberta, a Senior Advisor to CEO, Alberta Innovates, and an Industry Liaison for Faculty of Engineering and Adjunct Professor at the Department of Chemical and Materials Engineering, University of Alberta. John is serving as a steering committee Co-Vice Chair and a board member of Clean Resource Innovation Network (CRIN).

Before his retirement in October 2024, John was the Chief Cleantech Officer & Vice President, Clean Resources, Alberta Innovates. In this role, John fulfilled dual responsibilities in overseeing corporate strategy for clean tech and sustainable resource development and overseeing program investments in Agrifood, Cleantech, Energy, Environment, and Sustainable Materials. He co-chaired the Steering Committee of Alberta's Clean Hydrogen Centre of Excellence. John developed the vision for Bitumen Beyond Combustion (BBC) in 2016 and has been driving this transformative effort to create a multibillion-dollar advanced materials industry in Alberta using its vast oil sands resource.

John was executive director, chief technical officer, and acting CEO at Alberta Innovates – Energy and Environment Solutions, and led key initiatives including carbon capture and storage, the SAGD water conservation study, and dilbit transportation. He was the founding director of the international industry consortium, Materials and Reliability in Oil Sands (MARIOS). John is an inventor with seven U.S. patents, two of which led to multimillion-dollar commercial success.

John served as a director of the board for the Alberta Chamber of Resources (ACR) and the Petroleum Technology Alliance of Canada (PTAC). He was the recipient of ACR's 2023 Technology and Innovation Leadership Award.

# New Director for 2025 – 2026 | Shamus Hardie



Shamus Hardie serves as Chair of the WPC Energy Young Professionals Committee, representing young professionals and promoting global cooperation for the sustainable use of energy resources. In this role, he builds international connections and fosters collaboration across the energy sector. Professionally, Shamus is a Senior Analyst at Inter Pipeline working on the Finance Planning and Analytics team with the Heartland petrochemical business. He delivers market intelligence, conducts performance analysis, and supports long-term planning through data-driven insights. Shamus is passionate about advancing the energy industry by integrating sound analytics with strategic decision-making and advocating for innovation, sustainability and future leadership.

# New Director for 2025 – 2026 | Scott Volk



Scott Volk is an accomplished energy professional and innovation leader with over 23 years of technical, strategic, and governance experience across Canada's oil and gas industry.

Scott currently serves as Director of Emissions & Innovation at Tourmaline Oil Corp., where he leads the emissions and innovations teams responsible for developing and executing efforts to reduce emissions and advance technology solutions. His portfolio spans regulatory compliance, carbon capture, certified natural gas, alternative fuels, government engagement, and new venture assessments. He was instrumental in Tourmaline's role in launching the NGIF Emissions Testing Centre, a collaboration between Tourmaline, UofC and NGIF supporting innovation in methane detection, and abatement, through live field testing.

Scott contributes to Canada's broader energy innovation ecosystem through a variety of leadership roles. He serves as Chair of the Oversight Committee for the Alberta Upstream Petroleum Research Fund, helping to guide investments in breakthrough research. He is also Vice Chair of the Canadian Methane Management Coalition and a participant in the International Gas Union's Research Development & Innovation Committee. His governance and advisory work further includes involvement with the BC Methane Research Collaborative, Avatar Innovations, and multiple NGIF investment and innovation committees. Scott is widely recognized for his ability to translate complex technical challenges into actionable strategies and collaborative solutions.

Scott holds a Master of Science in Drilling and Well Engineering from Robert Gordon University, and a Bachelor of Science in Industrial Systems Engineering from the University of Regina.

# New Director for 2025 – 2026 | Kel Coulson



Kel Coulson is a sustainability leader with over 20 years of experience in both the public and private sector with a broad background in environmental policy, strategic planning, and regulatory development, working with diverse stakeholders. As the Director of Policy for Carbon Engineering (CE) Kel leads policy and engagement efforts supporting the integration of carbon dioxide removals into climate policy and sectoral decarbonization strategies.

Prior to joining CE, Kel was at the Government of Canada in the Carbon Markets Bureau supporting the development of the Federal Offsets Program and the Clean Fuel Regulation which will create national GHG offset and low carbon fuel credit markets in Canada. Before that, Kel was at Chevron Canada supporting one of the largest industrial facilities in British Columbia finding progressive solutions to meeting BC's low carbon fuel standard.

Kel received her B.A.Sc. in Environmental engineering from the University of Windsor and her M.A.Sc. in Chemical and Biological Engineering from the University of British Columbia. Kel is registered Professional Engineer in the Provinces of British Columbia (2011) and Ontario (2012).

# Directors and Officers 2025-2026

## Directors by Term

Douglas Freel	y2 of 2y term #2; total years = 5y to date (Sep'25)
John Adams	y3 of 3y term #2; total years = 5y to date (Sep'25)
Kendra MacDonald	y2 of 3y term #3; total years = 5y to date (Sep'25)
Monica Gattinger	y3 of 3y term #2; total years = 5y to date (Sep'25)
C. Beth (Hardy) Valiaho	y2 of 3y term #2; total years = 5y to date (Sep'25)
Steve Saddleback	y1 of 3y term #2; total years = 4y to date (Sep'25)
Geoff Tauvette	y1 of 2y term #2; total years = 4y to date (Sep'25)
Andrea Crook	y1 of 3y term #2; total years = 4y to date (Sep'25)
Dagmar Knutson	y3 of 3y term #1; total years = 3y to date (Sep'25)
Cheryl Trudell	y3 of 3y term #1; total years = 3y to date (Sep'25)
Joy Romero	y1 of 1y term #1, total years = 8y to date (Sep'25)
Shamus Hardie	new, standing for Directors; y1 of first 3y term
Scott Volk	new, standing for Directors; y1 of first 3y term
Kel Coulson	new, standing for Directors; y1 of first 3y term

## Directors by Position:

Scott Volk	President	appointed by Steering Committee Aug 2025; y1 of 3y term
John Zhou	Steering Committee co-vice chair	appointed by Steering Committee Jun 2024; y2 of 3y term
Marie Sereneo	Steering Committee co-vice chair	appointed by Steering Committee Jun 2023; y3 of 3y term

## Offices:

* Chair	Douglas Freel	standing;	y2 of first 2y term as Chair
* President	Scott Volk	as appointed by SC;	y1 of first 3y term as President
* Treasurer	Dagmar Knutson	standing;	y2 of first 3y term as Treasurer

## Observers / Regular Participants in Board Meetings:

Bradley Wamboldt	CRIN Technology Enablement Committee Chair
Alain Moore	CRIN Membership Engagement and Outreach Committee Chair
Glen McCrimmon	CRIN Director of Operations (acting secretary)
Lyndy Groom	CRIN Administrative & Events Manager (minute taker)

# Election of CRIN Directors and Officers 2025 -2026



Douglas Freel (Chair)



Scott Volk (President)



Dagmar Knutson (Treasurer)



Joy Romero



Shamus Hardie



Kel Coulson



John Adams



Andrea Crook



Monica Gattinger



Kendra MacDonald



Steve Saddleback



Marie Sereneo



Geoff Tavette



Cheryl Trudell



C. Beth (Hardy) Valiaho



John Zhou