

Keynote Speakers, Faculty Experts, and CNEE Staff

September 2020 Clean Energy Legislative Academy

PANEL: DEVELOPING BIPARTISIAN CLEAN ENERGY POLICY SOLUTIONS



BILL RITTER

Director, Center for the New Energy Economy

Bill Ritter, Jr., is the founder and director of the Center for the New Energy Economy (CNEE) at Colorado State University which launched on February 1, 2011. Ritter authored a book that was published in 2016 entitled, *Powering Forward – What Everyone Should Know About America’s Energy Revolution*. Ritter was elected as Colorado’s 41st governor in 2006, and built consensus to tackle some of the state’s biggest challenges. During his four-year term, Ritter established Colorado as a national and international leader in clean energy, by building a new energy economy. He signed 57 new energy bills into law, including a 30% Renewable Portfolio Standard and a Clean Air Clean Jobs Act that replaced nearly a gigawatt of coal-fired generation with natural gas. Colorado’s new energy economy created thousands of new jobs. Governor Ritter was formerly the chair of the Board of Directors of the Energy Foundation and currently serves on the Regis University Board of Trustees. Governor Ritter is a member of Blackhorn Venture Capital and serves as an advisor to Green Alpha and Millennium Bridge, among others. Ritter earned his bachelor’s degree in political science from Colorado State University (1978) and his law degree from the University of Colorado (1981).

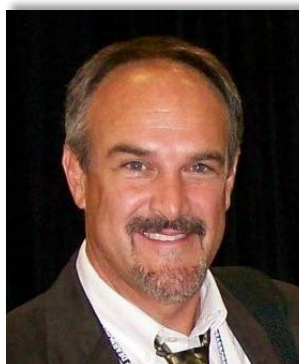


MARK FLEMING

President and CEO, Conservatives for Clean Energy

Mark Fleming serves as President and CEO of Conservatives for Clean Energy, a Raleigh, North Carolina-based organization that works to educate opinion leaders in the Southeast on the benefits of clean energy initiatives. Previously, Mark served as District Director for Congressman Patrick McHenry, overseeing operations in a seven-county district in Western North Carolina. Mark has an impressive record of leadership in government and business and previously served as a local Chamber of

Commerce Executive.



LARRY WARD

Conservative Energy Network, Midwest Region

Larry Ward serves as the Midwest Regional Director for the Conservative Energy Network (CEN). In this role, Larry oversees CEN’s members in the Midwest, providing organizational development and support for conservative clean energy organizations in Indiana, Ohio, Wisconsin, Michigan, Minnesota, Pennsylvania, and Iowa. Larry also manages expansion opportunities in the region. Prior to joining CEN, Larry

founded the non-profit Michigan Conservative Energy Forum (MCEF) in 2013 to provide a voice for conservatives in the energy policy debate, with a focus on advancing clean, renewable energy, and energy efficiency. Since its launch, MCEF has become a trusted clean energy advocate, working to depoliticize energy policy in Michigan and across the nation, serving as an example for other state organizations to engage conservatives on clean energy issues.

ELECTRIFYING TRANSPORTATION AND INFRASTRUCTURE

As more and more states set carbon and greenhouse gas targets, and utilities commit to reductions in greenhouse gases, this workshop will look at policy options to reduce emissions from the transportation sector by encouraging increased market penetration of electric vehicles.



ANDREW LINHARDT

Manager, Electric Vehicles Program, Electrification Coalition

Andrew Linhardt is the Electric Vehicle Program Manager for Policy with the Electrification Coalition. In this role, Andrew is responsible for implementing the Coalition's EV policy program in select states around the country. Prior to joining the team, Andrew spent 6.5 years at the Sierra Club, most recently as the Deputy Director of the Clean Transportation for All campaign. In this role, he led the transportation team in defense of the CAFE and GHG standards for cars, and worked to advance EV policies at both the state and national levels. Andrew has also worked on international finance issues related to clean energy. Before joining the Sierra Club, Andrew worked for a Member of Congress from New York, handling a portfolio consisting of energy, environment, and transportation issues. He has a B.A. from SUNY Albany in political science, and an MPP in Climate and Energy from George Mason University.



CHRIS NELDER

Manager, Rocky Mountain Institute (RMI)

Chris Nelder is a Manager in the Mobility practice at the Rocky Mountain Institute in Boulder, Colorado, where he heads the EV-grid Integration team. Chris has written about energy and investing for over 15 years. He is the author two books on energy and investing, as well as more than 200 articles on energy. In his spare time, he hosts the Energy Transition Show podcast at energytransitionshow.com. He enjoys bantering with other energy geeks on Twitter at [@chrisnelder](https://twitter.com/chrisnelder).

You can also ask Chris about managed charging – theory & practice; developing a statewide/utility transportation electrification strategy; ownership and investment models for DC fast charging (DCFC) infrastructure; rate design for charging stations; and the costs of deploying charging infrastructure.

ENERGY STORAGE

The energy storage breakout will focus on policies to promote greater market penetration of energy storage technologies and will provide an overview of the various value streams that should be considered when developing policy. The workshop will also include a discussion of the costs and benefits of energy storage and market drivers for utility-scale and customer-sited systems.



JASON BURWEN

Vice President, Policy, Energy Storage Association

Jason Burwen is the Vice President of Policy for the Energy Storage Association, leading the industry's federal, RTO, and state policy engagement. Previously, Jason was the Associate Director for Energy Innovation at the Bipartisan Policy Center and staff director of the American Energy Innovation Council. He has also consulted on utility demand response projects for FSC Group/Nexant and reviewed renewable power contracts at the California Public Utilities Commission.

You can also ask Jason about energy storage and state policymaking (legislation, PUC, etc.), energy storage technologies and pairing with other power grid assets; interactions between state policy and wholesale markets/federal policy in the electric sector; utility grid planning (Integrated Resource Planning, distribution planning, etc.); and demand response / flexible demand.



KARL RÁBAGO

Principal, Rábago Energy, LLC

Karl R. Rábago operates an energy consultancy – Rábago Energy LLC, based in Denver, Colorado. Karl recently led the Pace Energy and Climate Center, at the Pace University Elisabeth Haub School of Law in White Plains, New York, where he also taught energy law. Karl has 30 years of experience in energy and climate policy and markets and is recognized as an innovator in utility regulatory issues relating to clean and distributed energy services and technologies.

Rábago is a frequent author on electricity industry issues and has provided testimony as an expert witness in more than 100 electric and gas utility regulatory proceedings. Karl serves as Chair of the Board of the Center for Resource Solutions, a San Francisco-based non-governmental organization that manages the Green-e Certification program for green power products, and on the Board of Solar United Neighbors. Rábago has been a Commissioner on the Texas Public Utility Commission; a Deputy Assistant Secretary at the US Department of Energy; Vice President of Distributed Energy Services at Austin Energy; Director of Regulatory Affairs for the AES Corporation and AES Wind; and Managing Director and Principal of the Rocky Mountain Institute. While on active duty in the US Army, Karl served as an Armored Cavalry officer, and as a trial counsel and defense counsel with the 5th Infantry Division, and assistant professor of law at the US Military Academy at West Point, New York. Karl is a graduate of Texas A&M University with a Bachelor of Business Administration in Business Management and has a Juris Doctorate (Honors) from the University of Texas and Master of Laws

degrees, in environmental and military law, from Pace Law School and the US Army Judge Advocate General's School.

You can also ask Karl about the “Value of Solar” and how to do Benefit-Cost Analysis for energy resource evaluation; how utility planning works, and should work; what he learned as a co-author of “Small Is Profitable,” the award winning book detailing the benefits of right-sized energy resources; what “energy security” means, and how energy *in*security is growing as a national problem, and what we can do about it.

GRID MODERNIZATION

Nearly all aspects of modern life rely on effective management of data. The energy sector is no different. The grid modernization breakout will examine the ways in which legislatures can develop policies to ensure that the grid allows exchanges between customers and utilities that improve resource and cost management.



CAMILLE KADOCH

Associate and General Counsel, Regulatory Assistance Project (RAP)

Camille Kadoch is a member of the Global Policy Group at RAP. She supports RAP's work on climate-related issues, utility regulatory policy, energy efficiency, and other energy policy topics. Ms. Kadoch has most recently focused on issues related to performance-based regulation, energy efficiency obligations, no-regrets planning, and beneficial electrification. She is also RAP's general counsel. Prior to joining the organization, she worked in private practice litigation. Ms. Kadoch holds an undergraduate degree in biology and environmental studies from St. Olaf College in Northfield, Minnesota. She graduated with a juris doctorate and a master's in environmental law from Vermont Law School.

You can also ask Camille about electrification of transportation; beneficial electrification, and performance-based regulation.



JANINE MIGDEN-OSTRANDER

Principal, Regulatory Assistance Project (RAP)

Janine L. Migden-Ostrander advises regulators and advocates on energy efficiency, renewable energy, demand response, distributed generation, and integrated resource planning. Recent projects include working closely with the Energy Commission of Puerto Rico in establishing regulations and orders on such subjects as integrated resource planning and microgrid rules. She also facilitates the Mid-Atlantic Distributed Resources Initiative (MADRI), and has worked with numerous commissions in facilitating meetings, providing educational workshops and writing reports on issues related to power sector transformation, including grid modernization. While her projects are predominantly in the U.S., she also works overseas.

You can also ask Janine about decoupling, integrated resource planning, residential rate design, low-income issues, regulatory models and general ratemaking 101, performance-based ratemaking, and performance metrics.

MAINSTREAMING RENEWABLES

In the past decade, the costs of renewable resources have dropped dramatically, making them not only the lowest pollution resources, but also, in many cases, the least expensive. This breakout will highlight the next generation of renewable energy policies to reduce barriers to both consumer and utility participation in the renewable energy market.



LIZ DORIS

Principal Laboratory Program Manager, National Renewable Energy Laboratory (NREL)

Liz Doris is the Laboratory Program Manager for State, Local, and Tribal audiences at the National Renewable Energy Laboratory. She manages a \$10M annual portfolio and is responsible for developing and directing NREL's relationship with these audiences and coordinating these activities across the laboratory. Liz has 18 years of program development and management experience in energy efficiency and renewable energy policy and regulatory research and content expertise.

You can also ask Liz about state/city interactions on energy efficiency and renewable energy, energy burden alleviation programs, interconnection, net metering, and distributed energy resource facilitation, community solar in rural environments.



KIRSTEN VERCLAS

Program Director, Electricity, National Association of State Energy Officials

Kirsten Verclas leads NASEO's electricity program, which informs and educates the states on a wide variety of issues including grid modernization, energy security planning, microgrids and renewable energy, and cybersecurity. Prior to NASEO, Ms. Verclas was an ORISE Science and Technology Policy Fellow at the U.S. Department of Energy, where she worked on clean energy, state and local energy policy, cybersecurity issues and emergency response. She also served as a Program Manager in the International Department of the National Association of Regulatory Utility Commissioners (NARUC) working on regulatory partnerships in Africa, as well as a Senior Program Manager at the American Institute for Contemporary German Studies (AICGS) at Johns Hopkins University. Ms. Verclas has written extensively on energy and climate as well as security policy in the transatlantic context. She holds a Bachelor of Arts in International Relations from Franklin and Marshall College, a Master of Arts in International Relations from The George Washington University, and a Master of Science in Energy Policy and Climate from Johns Hopkins University.

You can also ask Kristen about international energy topics, the work and function of State Energy Offices and Public Utilities Commissions, cybersecurity, resilience in the energy sector, energy assurance/security, energy emergency response efforts, the structure and offices of the U.S.

Department of Energy, state/federal jurisdictions in the energy sector, net metering, the Federal Energy Regulatory Commission (FERC), and microgrids.

PATHWAYS TO A LOW CARBON FUTURE

In the absence of a federal climate plan in the U.S., states across the country have assumed a leadership role and are implementing a variety of innovative policies. Participants in this workshop will learn about state policies to reduce greenhouse gas emissions and accelerate the transition to clean energy across all sectors of the economy.



PATRICK CUMMINS

Senior Policy Advisor, Center for the New Energy Economy

Patrick Cummins is a Senior Policy Advisor at the Center for the New Energy Economy where he leads the Repowering the Western Economy Initiative. Patrick has worked with Western states, tribes, industry, environmental groups, and other stakeholders on air quality and climate programs for 30 years, including as the Executive Director of the Western Climate Initiative and at the Western Governors' Association (WGA). During this time, Cummins served as Co-Chair of EPA's Clean Air Act Advisory Committee on Air Quality Management in the United States. As Executive Director of the Western Climate Initiative (WCI), Cummins helped 7 Western states and 4 Canadian provinces design the world's first economy-wide cap-and-trade program for greenhouse gas emissions. In the 1990s, Patrick served as Deputy Director of Denver's Regional Air Quality Council where he received an EPA Environmental Achievement Award for his work to bring the Denver area into compliance with federal health-based air quality standards.



MIKE O'BOYLE, GRID MODERNIZATION

Electricity Policy Manager, Energy Innovation

Mike O'Boyle is the Electricity Policy Manager for Energy Innovation. He works for the firm's Power Sector Transformation program to uncover policy and technology solutions for a clean, reliable, and affordable U.S. electricity system. Mike is also a leading expert for America's Power Plan, a platform for innovative thinkers—including policymakers, advocates, and utility stakeholders—to reform the utility regulatory model and identify opportunities for grid transformation and optimization. He has worked with stakeholders from a variety of states—including California, New York, Hawaii, Minnesota, etc.—to help improve the link between public policy goals and the motivations of electric utilities.

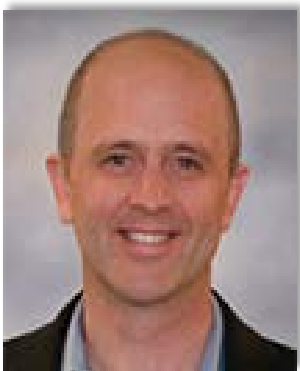
You can also ask Mike about integration of the Western electricity system, utility business model reform, performance-based ratemaking, and power system flexibility.



DR. SUZANNE TEGEN, ASSISTANT DIRECTOR

Suzanne Tegen is the Assistant Director of the Center for the New Energy Economy with expertise in energy economics and policy, and a Ph.D. in Energy Policy from the University of Colorado. Suzanne came to CNEE from the National Renewable Energy Laboratory (NREL) where she spent 14 years as an energy analyst, researcher, and the manager of the Wind and Water Technology, Engineering, and Deployment group.

She has authored or co-authored over 50 reports, such as those focused on domestic renewable energy jobs, stakeholder engagement, and the levelized cost of wind energy. She co-wrote a report on clean energy policies for the Clean Energy Ministerial's Clean Energy Solutions Center and received the Ministerial's C3E Mid-career award in 2016. She represents the US in the International Energy Agency's wind energy social acceptance task and has made countless presentations on responsible renewable energy development across the country. Beyond her job requirements, Tegen is passionate about mentoring and energy education, diversity, and inclusivity. She is a founding board member of Women of Renewable Industries and Sustainable Energy and serves on their Executive Committee.



TOM PLANT, SENIOR POLICY ADVISOR

Tom Plant served as director of the Governor's Energy Office in the Ritter administration, with principal responsibility for developing and implementing the Governor's policies for a new energy economy. He served as state representative in Colorado from 1998 through 2006, including two years as chairman of the House Appropriations Committee and one year as Chairman of the Joint Budget Committee.

Plant was named Legislator of the Year by such organizations as the University of Colorado and the Sierra Club of Colorado. He received Green Sense Award for Environmental Leadership from Colorado Conservation Voters and the Champion of the Family Farmer Award from the Rocky Mountain Farmers' Union.



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Council where he received an EPA Environmental Achievement Award for his work to bring the Denver area into compliance with federal health-based air quality standards.



DR. TRINA HOFFER, RESEARCH MANAGER

Trina oversees CNEE's research team, leads the development and maintenance of the Advanced Energy Legislation Tracker, the State Policy Opportunity Tracker for Clean Energy, the Clean Energy Policy Guide for State Legislatures, and contributes to a number of other CNEE projects.

Trina received her PhD in Political Science from Colorado State University. Her Dissertation examined policy diffusion and policy change through the lens of Renewable Portfolio Standards. Trina also received her M.A. in Political Science from Colorado State University and has published research in *Publius: The Journal of Federalism, Policy Sciences*, and other venues.



CARLYN PETRELLA, POLICY ANALYST

Carlyn joined the Center for the New Energy Economy as a Policy Analyst in the spring of 2020, supporting the Center's work across all initiatives. After earning her B.S. in Biotechnology from the Rochester Institute of Technology, Carlyn served as a Peace Corps Volunteer in Kenya working as a Secondary Math and Science Teacher. Post Peace Corps, she worked as a Regulatory Biologist with the Environmental Protection Agency, developing and implementing federal pesticide use policy. After five years, Carlyn left the EPA to earn a M.S. in Public Policy and Management from Carnegie Mellon University. While earning her degree, she focused her studies on energy and environmental policy and was a 2019 EDF Climate Corps Fellow.



WENDY HARTZELL, EXECUTIVE ASSISTANT TO THE DIRECTOR

Wendy started her career as a legal secretary working in the Office of the City Attorney for the City of Fort Collins, Colorado in 1988. She went on to support the offices of Neighborhood Services and Human Rights for the City of Fort Collins until 2006 when she left the City to work for a private family foundation. She returned to the public sector in 2008 when she came to Colorado State University to support the Director of the CSU Engines and Energy Conversion Lab. In 2012, Wendy left CSU to support the CEO and Co-Founder of New Belgium Brewing Co., returning in 2014 to support Governor Ritter and his team at the Center for the New Energy Economy. She is a CSU graduate, receiving her BA in Liberal Arts, Social Sciences with a minor in Spanish and an MBA.



LIAM KELLY, RESEARCH ASSOCIATE

Liam joined CNEE as an undergraduate intern in June of 2018. Prior to his time at CNEE, Liam interned at the National Resource Conservation Service through the USDA as a research assistant and data analyst. Most of Liam's work at the Center involves research and maintenance of the State Policy Opportunity Tracker for Clean Energy and the Advanced Energy Legislation Tracker, while assisting with the annual Clean Energy Legislative Academy. Liam graduated with Latin Honors from the University of Colorado Boulder with a bachelors in Environmental Studies and an emphasis on environmental policy. Liam was born and raised in

Boulder, Colorado and is fascinated with the correlation between energy and the environment.



SETH CREW, GRADUATE INTERN

Seth joined CNEE as a graduate intern in June of 2017. Most of his work at the Center involves research for the State Policy Opportunity Tracker for Clean Energy (SPOT) and the Advanced Energy Legislation Tracker (AEL Tracker). Seth is also a PhD student in the Political Science Department at Colorado State University, where he studies environmental policy and American politics. He received a Master of Natural Resources degree from the University of Georgia's School of Forestry in 2015, where he focused on issues such as ecological conservation and public lands policy. Prior to beginning his program at CSU, Seth live in Atlanta, Georgia, where he is originally from. Seth's dissertation research examines environmental

regulation of the electricity sector and implementation of state energy policy.



DAVID OONK, GRADUATE INTERN

David Oonk joined the CNEE team in the summer of 2019. David has a PhD in Technology, Media, and Society from the University of Colorado. David also earned graduate certificate in Science and Technology Policy from the Center for Science and Technology Policy Research (CSTPR). He was advised by Max Boykoff, faculty in the Department of Environmental Studies and former Director of the CSTPR. David's dissertation research focused on hydraulic fracturing policy in Colorado, including the social and technical dimensions of the energy transition and the role that science and expertise play in regulatory and policy processes. He has also conducted research in science and climate communication. He has

experience designing programs and conducting research in environmental science communication and education using visual media and art.



ELLEN EISENBEIS, GRADUATE INTERN

Ellen is a Masters student at the University of Denver in the Environmental Policy and Management program. She is focused on the intersection of environmental science and policy, and the creation of comprehensive, science-based environmental policy. Ellen's work at CNEE includes research for the Clean Energy Legislative Academy, the SPOT for Clean Energy, and the AEL Tracker. Ellen grew up in Arvada, CO

where she developed an interest in the environment. Ellen received a Bachelor's degree from Colorado State University in Ecosystem Science and Sustainability, with a minor in Environmental Affairs in 2018. While there, she worked with Professor Dimitris Stevis on his work on Green Transitions and Environmental Justice. Her other undergraduate work focused on how the public interacts with scientists and research projects.