



## Planning for a 100% Renewable New Mexico

Coalition for Clean Affordable Energy

September 19, 2017

Hilton Santa Fe Historic Plaza  
100 Sandoval Street  
Santa Fe, New Mexico 87501

### PRESENTERS AND PANELISTS



#### **TOM SOLOMON**

Co-coordinator,  
350.ORG

Tom Solomon, co-coordinator of 350.org New Mexico, is a retired electrical engineer. During his 34 year career at Intel he led the team which built and ramped their Rio Rancho Fab 11X in 2001, the \$2B microprocessor Fab which employed 4,000 people at its peak. He also led the efforts to build Intel's first (10kW) solar array in NM in 2008, and a larger 100kW solar array in 2011.

After retirement in 2011, Tom became a full-time activist. He was a field organizer for President Obama's campaign in 2012, is male vice chair of the Democratic Party of Bernalillo County, and also co-leads the NM chapter of 350.org, fighting global warming to ensure a safe climate for his 3 children.

350NM's campaigns include UNM divestment, large public rallies to demand action on climate, public education forums on the need to rapidly convert from fossil fuels to renewable energy, and introducing legislation to expand NM's renewable electricity standard (starting with SB312 in 2017).



**LUIS A. REYES**

Chief Executive Officer and General Manager,  
KIT CARSON ELECTRIC COOPERATIVE

Mr. Luis Reyes has been Chief Executive Officer and General Manager at Kit Carson Electric Cooperative, Inc. (KCEC) since 1993. KCEC's solar fleet serves 10% of capacity. KCEC has undertaken constructing a Solar Deployment Plan in 2017. Solar energy will account for approximately 40% of KCEC's energy needs to serve its current and future member's loads. KCEC's goal is to be able to build to approximately 100% of KCEC's daily electrical energy needs by 2023

by utilizing solar electric generation capacity in approximately 1 MW facilities located in various locations around KCEC's service territory.

**JEFF DEYETTE**

Director of State Policy and Analysis, Climate and Energy  
Program, UNION OF CONCERNED SCIENTISTS

Jeff Deyette is the director of state policy and analysis in the Climate and Energy program at the Union of Concerned Scientists. Mr. Deyette conducts analysis on the economic and environmental costs and benefits of renewable energy and energy efficiency policies.



**BOB BRESNAHAN**

Trustee, KIT CARSON RURAL ELECTRIC COOPERATIVE;  
Founder, RENEWABLE TAOS

Bob Bresnahan is a founder of Renewable Taos, Inc., whose mission is a complete transition to renewable energy in North Central NM. Bob also is a Trustee on the Board of Kit Carson Electric Cooperative. Bob was in charge of Technology Policy and Planning for the Nike Corporation during the 1990s before taking an early retirement and moving to Taos. He comes from a family of scientists and has understood the basic argument scientists advanced concerning climate change from 1990 or so. Reading a book by Jared Diamond, Collapse How Societies Choose to Fail or Succeed, in 2003 belatedly awoke him to the real danger. Bob and his wife Emily Zopf built an energy efficient house in the mountains near Taos in 2007 and provide their own electricity including power for their electric cars.



**PHIL PETTINGILL, P.E.**

Director, Regional Integration,  
CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION

Phil Pettingill currently serves as Director of Regional Integration at the California Independent System Operator Corporation (ISO). In his current role, he manages the integration of utilities seeking to join the ISO and serves as an external spokesperson to provide expertise between the ISO and policy makers. He also engages in many regulatory initiatives supporting California’s environmental goals, including achieving the 33 percent renewable portfolio standard by 2020 and 50 percent renewable energy by 2030.

He has served in various significant capacities at the ISO, representing the main grid operator for California before state regulatory agencies and working with a diverse set of policy makers to ensure regulatory and policy initiatives consider impacts on the electric system operated by ISO and the customers it serves.

Mr. Pettingill joined the ISO in September 1997 after working at Pacific Gas and Electric for 15 years. He is a licensed electrical engineer and has a Bachelor of Science in Electrical Engineering from California State University, Sacramento and Masters of Business Administration from St. Mary’s College, California. Phil is married, has two children and lives in Loomis California.

**G. LOREN TOOLE**

Principal Consultant,  
KALMIA CONSULTING LLC



Loren Toole serves as Principal Consultant for Kalmia Consulting LLC, a Santa Fe-based company specializing in electric energy analysis. During the 1980s he served as Field Engineering Manager for Enertech Corporation’s wind farm design and construction projects. In 2009, he led a transmission expansion analysis of NREL’s “20% Wind Energy in 2030” national study and more recently has been actively involved in renewable development projects in New Mexico. Loren serves as Lead instructor for the Renewable Energy Institute REI, a three-day survey course offered at UNM. He holds degrees in Electrical Engineering (BS E.E. and MS E.E.) from the Georgia Institute of Technology and serves as an Adjunct Professor, University of Missouri College of Engineering (Columbia).

<p>Technical Experience and Interests: Specialized experience includes electric utility planning; applying state-of-art tools used for network analysis; development of analytic methods to evaluate large-scale network disruptions and impacts on critical infrastructure. Relevant qualifications include:</p> <ul style="list-style-type: none"> <li>• Consulted extensively with electric utilities, including the New England Power Pool (ISO-NE), Georgia Power, Florida Power Corporation, Duquesne Light, Kansas City Power and Light, Reliant Energy, Texzon Utilities and New Brunswick Power (Canada).</li> <li>• Authored over 50 publications related to energy networks including journal articles, conference papers, technical reports, and book chapters.</li> </ul>	<p>List of Recent Publications</p> <ul style="list-style-type: none"> <li>• Toole G. L., et al., "Electric Power Transmission Network Design for Wind Generation in the Western United States: Algorithms, Methodology, and Analysis," in 2010 IEEE Power Engineering Society Transmission and Distribution Conference &amp; Exposition, New Orleans, Louisiana, 2010.</li> <li>• Toole, G. L., "Framework for Larger Scale Modeling and Simulation of Electricity Systems for Planning, Monitoring and Secure Operations of Next-Generation Electricity Grids" presented to DOE Grid Futures Workshop, Cornell NY, 2011.</li> <li>• Flaim, Sam and Loren Toole, (2015) Regional Economic Benefits, Why are They Being Ignored in T&amp;D Planning? Public Utilities Fortnightly, August 2015</li> </ul>
--	--



**LISA TORMOEN HICKEY**

Regulatory Counsel,  
INTERWEST ENERGY ALLIANCE, TORMOEN HICKEY LLC

Lisa Tormoen Hickey has practiced law for over 30 years, and for the last 9 years has represented renewable energy interests, mostly as regulatory counsel for the Interwest Energy Alliance. She enjoys the challenge of promoting environmental protection through an economic lens. Her clients have included non-profit organizations, municipalities, real property developers, small businesses and ranchers protecting properties around the West. Lisa spends her personal time adventuring by bicycle, on horseback, or in hiking boots from her home base in Colorado Springs. More information about her firm Tormoen Hickey LLC can be found at [www.newlawgroup.com](http://www.newlawgroup.com).

**MIKE EISENFELD**

Energy and Climate Program Manager,  
SAN JUAN CITIZENS ALLIANCE

Mike Eisenfeld works for the San Juan Citizens Alliance in northwestern New Mexico. He currently serves as the organization's Energy and Climate Program Manager and has worked with San Juan Citizens Alliance on environmental and energy issues for 11 years at community, regional, and national levels. Mr. Eisenfeld's program work includes oil and gas, coal, air quality, water, and uranium in a region heavily impacted by energy development (including decades of oil and gas hydraulic fracturing) and complicated jurisdictional oversight on Federal, State, Tribal, and private lands. Prior to working for San Juan Citizens Alliance, Mr. Eisenfeld had 11 years of experience as a Project Manager/Environmental Consultant in the southwestern United States managing and supervising multi-disciplinary teams. Mr. Eisenfeld has a M.A. in Environmental Policy and Management from the University of Denver and a B.A. in History from Bates College.





### **LEE REYNIS**

Research Professor of Economics,  
UNIVERSITY OF NEW MEXICO

Dr. Lee A. Reynis is a Research Professor of Economics at the University of New Mexico and the former Director of the UNM Bureau of Business and Economic Research. She has been a close observer of the New Mexico economy for more than 30 years and was an active participant in the process for developing BBER's consensus forecasts using the FOR-UNM model. As Director, she maintained a busy schedule of public speaking engagements. While retired, Dr. Reynis continues to be involved in the research efforts of BBER, where she was the principal investigator on any number of projects over the years. With a Legislative appropriation in 2015, she was part of an inter-disciplinary team of researchers from five departments in three NM universities who analyzed the impacts of climate variability and drought in the Southern Rio Grande Valley and Las Cruces. She is currently working on projects with the Middle Rio Grande Conservancy District and with a group of NM Pueblos. Health care is also an on-going interest. Work in this area has included an analysis of the economic impacts of different models for universal health care and two studies of the economic and fiscal impacts of the Medicaid Expansion called for under the Affordable Care Act.

Before joining the BBER staff as Associate Director in 1998, Dr. Reynis was the City Economist for the City of Albuquerque and she also worked as an economic analyst and then as the Chief Economist for the New Mexico Department of Finance and Administration in Santa Fe. Dr. Reynis has taught courses at UNM and was formerly on the faculty at the University of Utah. She holds an M.A. and a Ph.D. in economics from the University of Michigan.

### **NOAH LONG**

Legal Director, Western Energy,  
NATURAL RESOURCES DEFENSE COUNCIL (NRDC)

In Noah Long's first project with NRDC, he helped initiate a successful campaign to protect the wildlife, wildlands, and communities of Chile's Patagonia from damages associated with large-scale hydrological development. Since then, he has worked to advance policies for deploying renewable energy, increasing energy efficiency, and cleaning up dirty power plants. Currently Long manages NRDC's clean-energy initiatives in western states. He holds a bachelor's degree from Bowdoin College, a master's in international development and environmental policy from the London School of Economics, and a JD from Stanford Law School. He is based in Santa Fe, New Mexico.





**REGINA WHEELER**  
Chief Executive Officer,  
POSITIVE ENERGY SOLAR

Regina Wheeler holds a Bachelor of Science in Electrical Engineering and a Master of Science in Environmental Engineering and has 20 years of experience in organizational leadership and program implementation. A seasoned executive manager, Ms. Wheeler has proven abilities to lead organizations to identify and respond to risks and opportunities; build organizational capacity; create actionable strategic plans and programs; measure progress; and report results

to a wide range of stakeholders.

**AMANDA ORMOND**  
Managing Director,  
WESTERN GRID GROUP

Amanda Ormond serves as the Managing Director for Western Grid Group, a non-governmental organization that works throughout the Western Interconnection to accelerate the adoption of cost-effective, low-carbon technologies and to improve the efficiency of the Western electric grid. Amanda has worked in energy and public policy for almost thirty years in Arizona and the West.



For the past 15 years she has managed the Ormond Group LLC, a consulting firm specializing in education, advocacy and lobbying for clean energy policy and electric transmission efficiency. Amanda advocates in state and regional policy forums for client positions and serves as regulatory and policy expert for the wind and solar industry. She works as facilitator, convener and liaison for industry, government, utility, and non-governmental organizations to identify and implement collaborative solutions to develop the West's vast renewable energy resources and the transmission to bring these resources to market. She is a seasoned communicator who is able to translate technical energy concepts to lay audiences.

Prior to consulting Amanda served as the Governor's appointed Director for the Arizona Energy Office, a division of the Arizona Department of Commerce. In her seven year as Director she was responsible for developing state policy legislation and promoting energy efficiency, renewable energy and alternative fueled vehicles throughout the state. She also served in other positions at the Energy Office.

Amanda serves on the board of directors of the Regulatory Assistance Project and Western Energy Futures Institutes and is the manager of the west-wide collaboration - Western Clean Energy Advocates.



**SANDERS MOORE**  
State Director,  
ENVIRONMENT NEW MEXICO

Sanders is the State Director for Environment New Mexico, where she works to protect air, water, and open spaces in the state. Since joining Environment New Mexico in 2010, she has led campaigns to increase renewable energy in Albuquerque and across the state, securing a unanimous commitment from the Albuquerque City Council to get 25 percent of the City's electricity from solar energy by 2025. She also led the grassroots part of the Save the Organ Mountains-Desert Peaks campaign, which was designated a National Monument in 2014 by President Barack Obama. She has been published in newspapers across the state, including the Albuquerque Journal, Santa Fe New Mexican, and Las Cruces Sun News.

Previously, she worked for the Mothers & Others for Clean Air program at the Georgia Conservancy to improve air quality in the metro-Atlanta area through education and advocacy.

She received her Master's degree in Environmental Law & Policy from Vermont Law School and her B.A. in Government from Wesleyan University.

**SARAH COTTRELL PROPST**  
Executive Director,  
INTERWEST ENERGY ALLIANCE

Sarah Cottrell Propst is the Executive Director of the Interwest Energy Alliance, a non-profit trade association that represents the nation's leading companies in the renewable energy industry, bringing them together with nongovernmental organizations in the West (Arizona, Colorado, Nevada, New Mexico, Utah, and Wyoming). Prior to joining Interwest, she founded Propst Consulting, LLC, specializing in energy and environmental policy. She served as the Deputy Cabinet Secretary of the New Mexico Environment Department in 2010, and the Energy & Environmental Policy Advisor to New Mexico Governor Bill Richardson from 2006 until 2010. She earned a Master of Public Affairs from Princeton University's Woodrow Wilson School of Public & International Affairs with a concentration in Science, Technology & Environmental Policy. She has worked as a Research Fellow for the Pew Center on Global Climate Change in Arlington, VA and graduated magna cum laude with Honors in Political Science from Davidson College. In 2015, she was appointed to serve on the Planning Commission for the City of Santa Fe, New Mexico. In 2017, she joined the Board of Trustees of the Grand Canyon Trust.



## SWEL

Sandra Wechsler and Eli Il Yong Lee

[SWEL](#) is a boutique firm that provides strategy and impact consulting. Managed by Sandra Wechsler and Eli Il Yong Lee, we have a unique background with deep experience in community and civic engagement, evaluation, entrepreneurship, and philanthropic and political strategy. We apply our understanding of campaign strategy and mechanics, communications, and how social change works to design campaigns and strategy that create meaningful impact.



Sandra and Eli have managed over one hundred political and issue oriented campaigns, run nonprofit organizations and small businesses, raised millions of dollars, designed national technical assistance programs, built coalitions, and developed leaders. For two decades, we have been immersed in the social change sector. We have trusted relationships with thousands of nonprofit and political organizations spanning every state in the country.

Sandra and Eli have also co-founded two startups: The Quad, a software used by some of the largest progressive philanthropies in the United States to evaluate the impact of over 800 civic engagement organizations across the country; and MyChange, a technology that rounds up the spare change from credit and debit card transactions to donate to progressive causes and candidates.