

# APPLIED SOLUTIONS

Water, Energy, Transportation, Land Use

## BIOGRAPHIES OF SPEAKERS

### Applied Solutions Annual Conference

Boulder, Colorado  
November 10-12, 2010

Thank You to Our Sponsors



Asheville Buncombe  
Sustainable Initiatives



E&J Gallo Winery

**Amy Bolten**

Sonoma County Water Agency



Amy Bolten, After working a few years in the biotech industry in research and product development, she moved to the construction sector with a focus on green building and design. Currently, Amy works in Public Information at the Sonoma County Water Agency where she manages the Applied Solutions operations and works on a number of renew-

able energy projects. She has earned a B.S. degree in Chemistry from CSU, Chico and M.S. degree in Chemistry and MBA from University of San Francisco.

**Dan Bort**

Orrick



Daniel C. Bort is of counsel to Orrick, Herrington & Sutcliffe LLP in San Francisco. He is a member of Orrick's public finance department and has extensive experience in California land-secured public finance. He has long been a recognized authority on the Mello-Roos Community Facilities Act of 1982; and he drafted, or consulted on, many of the

amendments to the Act, and was the principal draftsman, as Chair of the Legislative Subcommittee of CASTOFF, of the amendments adopted in 2007. He is the author of An Introduction to California Mello-Roos Community Facilities Districts, a 2006 addition to Orrick's series of booklets on public finance.

**Gerald Braun**

California Energy Collaborative



Gerald Braun is Associate Director, UC Davis Energy Institute and Associate Director, California Renewable Energy Collaborative (CREC), and Director, California Integrated Renewable Energy Systems Program. He joined the University of California in 2007 to direct public interest energy research in renewable energy. His experience includes leader-

ship positions across industries and government, i.e. ten years in energy equipment and project services industries, thirteen years with California investor owned utilities, eight years directing Federal and state renewable energy RD&D programs and five years advising and managing clean energy start-ups in the US and Europe.

**Steve Bushnell**

Fireman's Fund Insurance Co



Stephen Bushnell is the Senior Director of Emerging Industries at Fireman's Fund Insurance in Novato, Ca. An insurance veteran, Steve developed the first ever Insurance policies designed for green buildings in 2006. He is a member of the Allianz Climate Change Center of Competency and has spoke on the risk and insurance aspects of sustainabil-

ity at a number of national conferences including Greenbuild, BOMA and TFM.

**Dr. James Butler**

National Oceanic and Atmospheric Administration



Jim Butler is Director of the Global Monitoring Division at NOAA's Earth System Research Laboratory (NOAA/ESRL) in Boulder, Colorado, where he has conducted research on climate forcing and ozone depletion for 25 years. In his current capacity, he oversees the nation's continuing measurements of atmospheric constituents that affect the

world's climate, including carbon dioxide and other greenhouse gases, ozone-depleting gases, aerosols, and surface radiation. He received his PhD in Chemical Oceanography from Oregon State University, an M.S. from Humboldt State University, and a B.A. at UC Santa Barbara.

**DeAnne Butterfield**

Co-labs



DeAnne Butterfield is executive director of CO-LABS, a consortium of Colorado federal research laboratories, research universities, state and local governments and the private sector working together to educate the public about the scientific and economic value of Colorado's twenty-four federal labs, create partnerships and advocate for

retention and expansion of their research. She previously served on the Boulder City Council and, during the 1990's, directed the regional community initiative to plan for the future of the decommissioned DOE Rocky Flats nuclear weapons plant south of Boulder.

**Robin Cape**

City of Asheville City Council



Robin Cape is a City council woman in Asheville NC and has been instrumental in the sustainability and climate initiatives in her community. Robin was the designer and champion of Reading, Riding and Retrofit, a project that brings sustainability to life in the schools. She is currently seeking re-election for a second term.

**Grant Davis**

Sonoma County Water Agency



Mr. Davis is responsible for management activities related to the Water Agency's core functions of water delivery, wastewater management, flood protection, and environmental sustainability. Prior to joining the Agency, Mr. Davis was Executive Director of The Bay Institute, a respected science-based nonprofit, dedicated to protecting the San Fran-

cisco Bay-Delta Watershed and improving water management in California. Mr. Davis also worked for Congresswoman Lynn Woolsey from 1993-1997. Grant covered energy and water-related legislation. Davis also operated a successful small business, specializing in strategic planning, public relations and campaign management.

**Larisa Dobranski**

Global Energy Network



Larisa Dobriansky is director of the Global Energy Network and senior advisor to energy companies, governments, financial firms and public policy organizations on environmental and energy matters relating to climate change, sustainable buildings and communities and clean energy technology commercialization, with a focus on developing new

financing mechanisms; business models; and policies, incentives and institutional structures that can interact to spur technology innovation and project development, mobilize investment and scale up replicable infrastructure.

**Rod Dole**

Sonoma County Auditor- Controller-Treasurer-Tax Collector



Rod Dole has worked in the Sonoma County Auditor's office since 1976. First elected as the Auditor-Controller in 1986, Rod took on added responsibilities as the Auditor-Controller-Treasurer-Tax Collector in 2006 when the Auditor-Controller and Treasurer-Tax Collector departments were combined. He is the current Bay Area Director of the State Asso-

ciation of County Tax Collectors and is past President of the State Association of County Auditor-Controllers. Currently much of Rod's time is occupied with the newly formed AB 811 compliant Sonoma County Energy Independence Program for which he is the Program Administrator.

**Paul Fenn**

Local Power



Paul Fenn authored California's 2002 Community Choice (CCA) law, Assembly Bill 117, allowing municipalities to choose alternative electricity providers for their communities, and has played a leading role in their implementation. He co-authored the original "Community Choice" law, Senate 447, in 1994, while serving as Director of the Massachusetts

Senate Committee on Energy under the chairmanship of Senator Mark Montigny. Paul helped Ohio and New Jersey in the drafting of their (1999, 2003) Community Choice laws, and has advised state, federal, and British policy and educational bodies on the opportunity to implement major decentralization projects to address the global Climate Crisis.

**Pegeen Hahranhan**

Former Mayor Of Gainesville, Florida



A Registered Professional Engineer, Pegeen Hanrahan was term limited in May after twelve years of elective service and two terms as Mayor of Gainesville, Florida. She is a consultant to the Trust for Public Land's Conservation Finance Team, helping local governments develop and fund land conservation and parks. With the support of the Rockefeller

Brothers Fund, she assists communities considering adoption of feed-in-tariffs, as Gainesville is the first city in the U.S. to implement a European-style solar FIT. She holds Master's and Bachelor's degrees in Environmental Engineering and a B.A. in Sociology, all from the University of Florida.

**Rusty Klassen**

Sonoma County Water Agency

Rusty Klassen served as V.P head of national marketing for Municipal Bonds: Pacific Capital Markets 1985-1990, Senior Advisor for policy and business negotiation: Merrill Farms Peruvian operations 1991-2000, Senior Advisor to the manager Sonoma County Water Agency 2004-Present.

**Jonathan Koehn**

City of Boulder



Jonathan Koehn's role involves overseeing Boulder's environmental programs including Boulders Climate Action Plan and associated climate change strategies along with waste reduction, green building, urban wildlife and integrated pest management. Along with a diverse background in roles such as creating and directing an environmental

non-profit organization, serving as a national park ranger and a dolphin trainer, Jonathan holds degrees in Biology, Environmental and Marine Sciences.

**Craig Lewis**

FIT Coalition



Craig Lewis is the Executive Director of the FIT Coalition, an organization focused on implementing global best practices for scaling cost-effective renewable energy throughout the United States. Mr. Lewis is a leading Smart Energy strategist and advocate with over 20 years of experience in the renewables, wireless, and semiconductor in-

dustries. Among many other campaigns at the national level and throughout the country, the FIT Coalition is leading the legislative effort in California to implement a statewide Feed-in-Tariff (FIT) that, if implemented, will increase California's clean energy market by a factor of ten.

**Ann Livingston**

Boulder County, Colorado



Ann Livingston's previous work at the Natural Resources Law Center, Environment Colorado, the Wirth Chair in Environmental and Community Development Policy among others provides her with a unique perspective on issues related to sustainability. She has extensive experience in working with diverse groups in a collaborative manner in order to

promote sustainable communities. Ann is currently serving as Boulder County's first Sustainability Coordinator. She works to increase the sustainability of the County as an organization and as a whole.

**Jan McFarland**

Fairhaven Institute



Jan McFarland has over 30 years of leadership experience in energy and environmental management, in the government, public interest and private sectors. Currently as a private consultant, she provides guidance on energy and environmental regulatory issues with a emphasis on distributed generation and climate change. As Executive Director of

the California Advanced Transportation Financing Authority, she oversaw and managed efforts to reduce the financing costs of renewable energy and advanced transportation technologies in California. She served as Executive Director of the California Solar Energy Industries Association and Americans for Solar Power (from May 2003 to June 2007).

**Andrea McGimsey**

Loudoun County Supervisor



Andrea McGimsey was elected to the Loudoun County Board of Supervisors representing the Potomac District in November 2007. She serves on the Transportation and Land Use Committee, the Transit Plan Advisory Committee, and the Affordable Dwelling Unit Advisory Board. She serves on the Executive Committee of Climate Communities, the Environment,

Energy and Land Use Steering Committee of the National Association of Counties, and the Telecommunications & Utilities Steering Committee of the Virginia Association of Counties. She earned a Bachelor of Science degree from Massachusetts Institute of Technology and a Master's in telecommunications from New York University.

**Shaun McGrath**

Former Deputy Director of Intergovernmental Affairs, White House



Shaun McGrath has spent 25 years in public policy at all levels of government. Most recently, Shaun served as the Deputy Director for White House Intergovernmental Affairs for President Obama, with the responsibility of liaising with the nation's 50 governors. Prior to working in the White House, Shaun was a program director for the Western

Governors' Association, managing the WGA Water Program, Climate Adaptation Program, and Wildlife Corridors Program. Additionally, Shaun served as the Mayor of Boulder, Colorado, and was twice elected to the Boulder City Council. He led efforts to make Boulder the first SmartGrid City in the world.

**Donatella Pasqualini**

Los Alamos National Lab



Donatella Ph.D., is a physicist in the Computational Earth Science Group in Earth and Environmental Sciences Division at Los Alamos National Laboratory. Her general research interests and expertise lie in modeling complex phenomena by simulations with applications that range from geophysics to energy-socio-climate systems. For the Department

of Homeland Security she contributed in developing a decision support tool of several infrastructures (water, energy, transportation, population, etc.) to assist both government organizations and decision makers. She is now focusing on the intersection of climate, energy, environment, and society to better understand their impacts.

**Ben Pearlman**

Boulder County Commissioner



Ben Pearlman was first elected to the Boulder County Board of Commissioners in 2004 and was re-elected to serve a second term in 2008. He served as the Board's chair from 2005 to 2008 and current serves as Vice-Chair. He earned his undergraduate degree from Williams College in Massachusetts and taught high school in Switzerland for a year

before working in the private sector for polling firms in Washington, D. C. and Boulder. Ben graduated from the University of Colorado School of Law in 1996. For seven years he worked for the Boulder County Open Space program -- the first five as an attorney and the last two as a manager of capital projects and stakeholder outreach.

**Braden Penhoet**

UC Berkley



Braden Penhoet is a Research Fellow at the UC Berkeley School of Law's Berkeley Center for Law, Business and the Economy. His current interests include Federal fiscal policy in connection with applied research and commercialization activities. He has practiced corporate and securities law at major law firms, and international environmental

law and policy at the Center for International Environmental Law in Washington, D.C. He also has served as a strategic consultant to nonprofit, government and startup company enterprises. Braden holds degrees from Stanford University, the UCLA School of Law, and UC Berkeley's Haas School of Business.

**Mike Sandler**

County of Sonoma Regional Climate Protection Authority



Mike Sandler is the Climate Protection Program Manager for the Regional Climate Protection Authority in Sonoma County. Mike has worked with local governments, water agencies, and community stakeholders to develop sustainability, water quality, and climate protection programs. He is an Advisory Councilmember to the Bay Area

Air Quality Management District, and assisted in the creation of its Climate Protection Program. From 2004-2006, Mike was a Planning Commissioner for the City of Sebastopol. Mike holds a degree in Political Economy from the University of California at Berkeley and a Master's in Urban Planning from UCLA.

**Nick Schaivo**

City of Santa Fe



Nick Schaivo has nearly six years of utility and energy efficiency experience and twelve years experience in the public sector. He joined the City of Santa Fe more than four years ago after services as the Chief Engineer for the Hawaii Public Utilities Commission, as well as an adjunct professor at Hawaii Pacific University. Currently, he is the Energy Special-

ist for the City of Santa Fe and heads up City's efforts to reduce energy demand, promote clean renewable energy, and improve efficiency of City facilities and operations.

**Ron Shaw**

City of Longmont, Colorado



Ron Shaw is the City of Longmont's first Environmental Sustainability Coordinator. His position was created in 2008 to help align and coordinate the City's environmental initiatives. His goal is to move the City toward achieving higher levels of sustainability while using the City's limited resources in the most cost effective manner. Ron graduated

from the University of Colorado, Boulder with a B.S. in chemical engineering and an emphasis in environmental engineering. He has over 11 years working on environmental compliance, pollution prevention, environmental management systems and sustainability initiatives in large corporations, the U.S. Army, and county and city governments.

**Duncan Sill**

Santa Fe County Economic Development



Duncan is responsible for economic development in Santa Fe County and is actively working towards integrating sustainable solutions that involve balancing relationships amongst the natural and built environment, the inherent fabric of local communities and resources, and the multifaceted economics supporting these initiatives. In practice, much at-

tention is devoted currently to foundation and capacity building, especially in relations to infrastructure including regional broadband, renewable energy, green workforce development, and local agriculture and food network systems development.

**Scott Simkus**

Boulder County Housing Authority



Scott Simkus has been developing affordable housing for 20 years and currently serving the Boulder County Housing Authority the past thirteen. Scott Simkus has worked as a municipal housing planner, as a non-profit affordable housing consultant (outside Chicago) with the Community Economic Development Association, and working in the present

capacity as a housing developer for the Boulder County Housing Authority. Scott has a vision for the integration of essential stakeholders to develop communities that reflect smart growth and yields the highest ROI on land while creating Green Jobs.

**Peter Sorenson**

Lane County Commissioner



Commissioner Pete Sorenson, a board member with Applied Solutions, is one of five governing elected officials of Lane County government in Eugene, Oregon. He's been a state senator, adjunct law professor and environmental lawyer. Lane County is a big place, over 4,500 square miles in land area and a population of over 347,000 people. Com-

missioner Sorenson's interests include job creation, sustainability and efficient government.

**Gil Sperling**

Department of Energy



Gil Sperling currently serves as Senior Policy Advisor to the Assistant Secretary for the Office of Energy Efficiency and Renewable Energy at the U.S. Department of Energy. Prior to that, he served as the Program Manager for the Office of Weatherization and Intergovernmental Program (OWIP) at DOE, with a budget in excess of \$11.6 Billion. At DOE, Gil has

been charged with transforming legacy programs into current, market responsive efforts that support large scale energy efficiency and renewable energy projects. Through his national public outreach, Gil facilitates the grantees' successful implementation of American Recovery and Reinvestment Act initiatives.

**Will Toor**

Boulder County Commissioner



Will Toor was elected to the Board of County Commissioners of Boulder County in 2004, and was re-elected to serve a second 4-year term in 2008. Under his leadership, the County has adopted two resolutions on sustainability and Zero Waste, and is developing numerous programs and policies designed to reduce energy waste and transi-

tion to more renewable energy sources. Locally he spearheaded the effort to create and adopt a countywide Sustainable Energy Plan for Boulder County that sets recommendations for concrete actions to take in order to reduce the County's "carbon footprint". He is also founding member of the U.S. 36 Mayors' and Commissioners' Coalition.

**John Wang**

Orrick



John Wang is a partner in the San Francisco office and a member of the Public Finance Department. John has broad experience serving as bond counsel, disclosure counsel and underwriter's counsel, focusing on a variety of types of transactions, including conduit financing for nonprofit 501(c)(3) borrowers, municipal water and wastewater financings, pollution

control, industrial development financing, public power financing, municipal lease financings and redevelopment financings.

**Michelle Weingarden**

Director of Greenprint Denver



Michele Weingarden is the Director of Greenprint Denver, Mayor John Hickenlooper's Office of Sustainability in the City and County of Denver. Greenprint Denver is a pragmatic approach to determine sustainability objectives that can be tracked, measured, refined and reported. Weingarden brings a wealth of experience to the position,

having most recently served in U.S. Senator Barbara Boxer's San Francisco office as her advisor on environmental issues statewide and as her liaison to local governments, businesses and the public in nine Northern California counties.

**James Wilczak**

National Oceanic and Atmospheric Administration



Dr. James Wilczak leads the boundary layer meteorology team at the National Oceanic and Atmospheric Administration (NOAA) Earth System Research Laboratory in Boulder, Colorado. His research interests include developing the meteorological information needed to support weather and climate-dependent renewable energy, such as wind

and solar, on a national scale. Recently he has helped design and manage a collaborative project between the Department of Energy, NOAA, and renewable energy companies on improving wind forecasting, with the goal of reducing wind energy costs while increasing electrical grid reliability.

**Michelle Wyman**

Executive Director of Applied Solutions



Michelle Wyman served as the Executive Director of ICLEI Local Governments for Sustainability, USA, an international nonprofit serving cities and counties across the nation and the world with technical tools and leadership guidance to advance local climate, energy and sustainability goals. During her tenure, ICLEI USA grew from 54 to more than

500 local government members include the nation's largest cities. The net impact of ICLEI local governments climate/energy work in 2008 included more than \$700 million in savings and 55 million tons of CO2 reduced. Michelle has worked with local governments for more than 15 years advancing progressive climate and sustainability programs.

**Jennifer Yezak**

U.S. Department of Agriculture



Jennifer Yezak serves as Director of Intergovernmental Affairs at the U.S. Department of Agriculture. Yezak most recently served as a consultant to the National Association of State Departments of Agriculture (NASDA). Before that, Yezak served as director of legislative and regulatory affairs at NASDA as well as serving as Vice President of AgSource, Inc,

where she served as a consultant to the United Soybean Board on research and biodiesel issues. Yezak is a native of Bremond, Texas and earned her B.S. in Agricultural Education and a Masters of Agriculture in Agricultural Development from Texas A&M University.

**Elizabeth Doris**

National Renewable Energy Laboratory

Elizabeth Doris (nee Brown) is a Senior Project Leader at the National Renewable Energy Laboratory (NREL). She manages technical assistance teams and project teams that plan, develop, and determine the impacts of national, state, and local energy policies on economic development, environmental degradation, and energy security. Previously, Ms.

Doris focused on energy efficiency policy evaluation as well as program planning and development at the American Council for an Energy Efficient Economy (ACEEE). She has a Master of Science degree in Environmental Policy from Johns Hopkins University and a Bachelor of Arts degree in Environmental Science from Boston University.

**Arthur Coulston**

Solar Mosaic

Arthur is the VP of Marketing at Solar Mosaic (<http://solarmosaic.com>), a community solar development company. He has been working on renewable energy development since 2002 when, as a student, he helped to pass a renewable energy and climate change policy for the University of California. He was a co-founder and Internet Director for

Energy Action Coalition, and has been leading online strategies for regional and national climate and energy campaigns for the past 6 years.

**Patrick Duran**

Office of Congressman Ben R. Lujan (NM-03)

Patrick Duran was born and raised in Northern New Mexico. He has a Bachelor's from Arizona State University in Business & Communication and also has completed graduate coursework in Public Administration and Social Entrepreneurship. Patrick also worked for 14 years building partnerships while developing and leading various intra-preneurial programs at Arizona State University for students and the greater Phoenix metropolitan community. This includes a unique and highly successful student entrepreneurial program which was recognized by the Wall Street Journal. This program was

a practical learning experience for students in all disciplines at ASU where he drew on partnerships between the university, government, economic development leaders and the business community. Patrick has worked as a Field Representative & Economic Development Liaison for New Mexico's 3rd Congressional District Office of Congressman Ben Ray Lujan, who was just re-elected to a second term. Patrick's issue areas of responsibility in the district include, Economic Development, Small Business, Science, Technology, Entrepreneurship/Innovation, STEM Education and Higher Education.

**Other Speakers:****Cecelia Aguillon**

KYOCERA Solar, Inc

**Jesse Dean**

National Renewable Energy Laboratory

**Lynn Richards**

Environmental Protection Agency

**Jill Locantore**Planning Communications Specialist,  
Denver Regional Governance**Paolo Patelli**

Prediction Partners

**Nancy Sutley**Chair, White House Council on Environmental  
Quality**Teju RaviLochan**

Co-Founder, Unreasonable Institute

**Louise Bedsworth**

Research Fellow, Public Policy Institute