

Speaker Biographies
for
Stakeholder Workshop for the Statewide Plug-in Electric Vehicle Infrastructure
January 30, 2013

Marcus Alexander, Electric Power Research Institute

Marcus Alexander is a Project Manager in the Electric Transportation program at the Electric Power Research Institute. As part of the Electric Transportation team, Marcus is primarily responsible for vehicle systems analysis, including data collection and analysis of utility fleet vehicles, analysis of the environmental impacts of electric transportation, and analysis of infrastructure demand and vehicle grid impacts. Marcus received a BS in Mechanical Engineering (1999) and a MS in Electrical Engineering (2003) degrees from the University of California, Davis.

Leslie Baroody, California Energy Commission

Leslie Baroody most recently served as Transportation Advisor to former Commissioner Carla Peterman of the California Energy Commission and is now returning to her prior position as Electric Vehicle Program Manager in the Fuels and Transportation Division. Since beginning at the Energy Commission in 2009, she has managed the AB 118 2010-2011 Investment Plan for the *Alternative and Renewable Fuel and Vehicle Technology Program* and has been involved in the development of the Governor's Zero-Emission Action Plan for Executive Order B-16-12. Leslie previously worked in the utility industry and in consulting and received a B.A in Economics from the University of California, Davis.

Tim Brown, University of California, Irvine

Dr. Brown manages the research efforts of graduate students and undergraduates who are engaged in a variety of alternative energy, vehicle, and fueling research ranging from emissions testing of plug-in hybrid vehicles, to analysis of hydrogen station locations, to integration of wind and solar power generation into the existing electric grid. Dr. Brown also works with the UC Irvine and Orange County Sanitation District hydrogen station, the deployment of 15-20 fuel cell vehicles, 15-20 battery electric vehicles, and 20 plug-in hybrid vehicles. He was Senior Development Engineer for General Motors from 1998 to 2004. He has a B.S. in Mechanical Engineering from the University of Notre Dame (1998), an Automotive Systems Engineering M.S. (2003) and a Ph.D. in Mechanical Engineering from the University of California, Irvine (2008).

Wade Crowfoot, Governor's Office of Planning and Research

Wade Crowfoot joined Governor Brown's Administration in May 2011 and serves as Deputy Director of the Governor's Office of Planning and Research and as the Governor's Military Advisor.

Wade is working to advance the Governor's ambitious renewable energy goals and helps lead the effort to develop 12,000 MW of small, local renewable energy—enough electricity to power over three million California homes. He also helps to lead the Governor's office to accelerate the market for zero-emission vehicles. Wade is also organizing efforts to retain and expand military operations in California.

Prior to joining Brown's Administration, Wade served as Regional Director for the Environmental Defense Fund (EDF). In that role, he helped to lead EDF's 40 western regional staff and worked with leaders throughout California to implement key climate, water and oceans policy.

Wade has also served as senior environmental advisor to San Francisco Mayor Gavin Newsom. In the Mayor's Office, Wade developed energy, transportation and waste policies and managed the Mayor's state and federal environmental agendas. Wade has held policy positions for other elected officials and worked in the fields of public opinion research and urban economic development. Wade holds a bachelor's degree from the University of Wisconsin-Madison and a Master's Degree in Public Policy from the London School of Economics, where he graduated with honors.

J.R. DeShazo, University of California, Los Angeles

J.R. DeShazo is the Director of the Luskin Center for Innovation at the University of California at Los Angeles. He is an expert in energy and environmental economics and author of the Regional *PEV Readiness Plan and Atlas* for the Southern California Association of Governments. He holds a Ph.D. in Urban Planning from Harvard University and a M.Sc. in Economics from Oxford University, where he was a Rhodes Scholar.

Christine Kehoe, California Plug-in Electric Vehicle Collaborative

Christine Kehoe is the Executive Director of the California Plug-In Electric Vehicle Collaborative (PEVC). The PEVC is a public-private partnership working to ensure a strong and enduring transition to a plug-in electric vehicle market in California.

Prior to assuming the executive director's position in January, Christine served 12 years in the California legislature. She established herself as a strong advocate for better energy and transportation policy.

In the assembly and senate Christine's focus included successful legislation in the areas of energy efficiency, electricity rates, alternative clean fuels and clean transportation, renewable energy and environmental protection. She served as chair of the Senate Committee on Energy, Utilities and Communications in 2006-07 and as Chair of the Senate Committee on Appropriations from 2008-2012 and was a member of both the Assembly and the Senate Committees on Transportation for twelve years.

Christine was first elected to public office in 1993 winning the Third District seat on the San Diego City Council. She was appointed to the California Coastal Commission in 1996 and served until 2000. She and her partner of 27 years live in San Diego.

Audrey Lee, California Public Utilities Commission

Audrey Lee advises the President of the California Public Utilities Commission on energy-related policies, focusing on alternative fueled vehicles, smart grid, transmission infrastructure, energy storage, energy data access, and grid-related research and development. Dr. Lee has led economic and policy analysis at the Office of Policy and International Affairs at the U.S. Department of Energy, the International Energy Agency, the Massachusetts Department of Energy Resources, and the Harvard Kennedy School of Government. Dr. Lee holds a B.S. in Applied Physics from the California Institute of Technology and a Ph.D. in electrical engineering from Princeton University.

Tony Markel, National Renewable Energy Laboratory

Tony Markel is a Senior Engineer and has worked on systems analysis of advanced vehicles for the past 16 years at the National Renewable Energy Laboratory in Golden, Colorado. Tony is currently focused on Electric Vehicle Grid Integration technology development. He earned a B.S. in Mechanical Engineering from Oakland University in 1995 and a M.S. in Mechanical Engineering from the University of Colorado. Tony's expertise spans advanced vehicle technologies including hybrid electric, fuel cell, plug-in hybrid, and electric vehicles and was instrumental in the development of the ADVISOR™ software tool for vehicle systems simulation. He leads a team researching grid integration challenges facing plug-in vehicles with a mission to highlight opportunities for electrified transportation to reduce our nation's petroleum consumption and enable a smart, renewable, future electricity grid.

Marc Melaina, National Renewable Energy Laboratory

Dr. Marc Melaina is an energy analyst within the Transportation Analysis Group at the U.S. Department of Energy's National Renewable Energy Laboratory (NREL). Before joining NREL in 2007, Dr. Melaina worked as a research track director at the Institute of Transportation Studies at the University of California at Davis. He has also worked for Argonne National Laboratory, the National Academy of Sciences, the Defense Logistics Agency and the National Transportation Research Center at Oak Ridge National Laboratory. Dr. Melaina received his Ph.D. in Resource, Policy and Behavior from the University of Michigan and has an M.S.E. in Civil Engineering and B.A. in Physics.

Thomas Turrentine, University of California, Davis

Dr. Tom Turrentine is Director of the Plug-in Hybrid Electric & Vehicle Research Center at the Institute of Transportation Studies, University of California at Davis. Tom is an anthropologist, and for 20 years, Tom has been researching consumer response to alternative fuels, vehicle technologies, road systems, and policies with environmental benefits. His most recent work includes multi-year projects with governments and automakers to study how the new generation of Plug-in Electric Vehicles fit with lifestyles in cities around the world. In the coming years, his center is developing tools to advise deployment of infrastructure, design better energy feedback displays in vehicles, integration of plug-in vehicles to California's grid to improve renewable energy integration and ways to restructure the cost of lithium batteries.

Randall Winston, Office of the Governor

Randall Winston is Special Assistant to the Executive Secretary in the Office of Governor Edmund G. Brown, Jr., working on environmental and renewable energy policy. He was previously an Executive Fellow in Governor Brown's Office. Randall has worked in the areas of architecture, urban development, venture technology and finance, most recently having worked for architect Norman Foster in New York prior to joining Governor Brown's office. Randall was a founding director at Causes, a venture technology company started by Facebook's founding president, which has since become the largest online philanthropic platform in America. Randall worked for two years in Beijing, China, both for SOHO China, an integrated urban development and architecture firm, and for Goldman Sachs Gao Hua Securities, a China mainland joint-venture with Goldman Sachs. Randall received a B.A. in Government from Harvard University, and a Master of Architecture degree from the University of Virginia.