

ISO Demand Response and Energy Efficiency Roadmap Workshop 5/13/2013

Panelist Biographies

Ken Abreu is a Principal Regulatory Analyst with Pacific Gas and Electric. He is responsible for Demand Response policy and planning as well as DR pilots and enabling technologies work. He has over 30 years of wide ranging experience in the energy business. This includes leading the policy work on demand response and markets, major responsibilities in power procurement, engineering, R&D, fuels planning, energy efficiency and development of major new generation projects. He has a Masters Degree in Mechanical Engineering from UC Berkeley and a Bachelors Degree from San Jose State University.

Barbara R. Barkovich, Ph.D has been a consultant and expert witness on energy and regulatory matters, with an emphasis on the electric industry since 1985. She has developed a large body of expert witness testimony on matters including marginal cost, cost allocation and rate design, demand response and dynamic pricing, electric industry restructuring, and electric resource analysis and planning. She has also provided consulting services in these areas, as well as regulatory analysis and due diligence on industry restructuring. She has assisted in negotiations on behalf of electric consumers with utilities on pricing and service matters. Dr. Barkovich has extensive experience in negotiation of settlement agreements on complex regulatory matters. Her clients have included large industrial electricity consumers, investment banks, public and investor-owned utilities, irrigation districts, and electric transportation supporters. Dr. Barkovich has served as a court-appointed expert (U.S Court of Federal Claims), mediator, and arbitrator in the electricity industry area. Dr. Barkovich began her career working on energy and environment issues for the National Science Foundation in 1974-75. Dr. Barkovich worked for the California Public Utilities Commission from 1975 to 1983, in positions ranging from Commissioner's advisor to Director of Policy and Planning. In her time at the Commission, she dealt with broad energy policy issues, as well as revenue allocation and rate design, marginal cost development, electric resource issues, including transmission and generation, and represented the Commission at the Legislature, the Governor's Office, and Congress. Dr. Barkovich is currently Chairperson of the Board of the restructured California Power Exchange, a position she has held since 2003. She has also served on the California Independent System Operator Governing Board, on the Trust Advisory Committees that set up the reorganized California electricity structure and markets, as well as the Energy Engineering Board of the National Research Council. She holds a BA in Physics from the University of California at San Diego, an MS in Urban and Policy Sciences from the State University of New York at Stony Brook, and a Ph.D. in Energy and Resources from the University of California at Berkeley.

Carlos Lamas-Babbini is a mechanical engineer with a masters in hydraulic with over 25 years of program management experience in large multinational concerns. For the past six years Carlos has managed the Large Commercial and Industrial Demand Response Programs for Comverge, in California and has been involved in numerous initiatives and proceedings related to Demand Response and Energy Efficiency.

Jeff Bladen has more than 16 years of management experience in the energy sector. As Vice President and leader of DNV KEMA's Markets & Regulation practice, Mr. Bladen oversees a group that includes DNV KEMA's premier competitive wholesale and retail market practice specialties. Delivering work that ranges from wholesale market design and analysis to competitive retail strategic plans and market intelligence, the Markets & Regulation practice covers the entire competitive electricity value chain for clients throughout the Americas. Prior to joining DNV KEMA, Mr. Bladen served as market strategy leader at PJM Interconnection; the largest electricity market operator in the world. In that role, he led PJM's market strategy subdivision directly overseeing departments focused on strategic growth areas of retail markets, demand response, alternative and renewable resources, and economic analysis. Achievements included development and permanent market design for demand response in energy, capacity and ancillary services markets. Prior to PJM, Mr. Bladen was one of the original employees that built New Energy Ventures from a start-up energy business into the most successful competitive retail electricity business in North America; today known as Constellation NewEnergy. Mr. Bladen has other significant energy industry experience having served as an executive with Comverge, a leading demand response provider and having led wind farm development strategy at Gamesa's North American division. As an officer and the number two business leader at Gamesa Energy, he oversaw the business unit's investment committee and other responsibilities covering the gamut of the business from strategic planning to project development and sales efforts.

G. Muir Davis, Senior Project Manager/ Demand Resource Integration is responsible for integrating demand resources into the existing planning and wholesale procurement processes that occur within Southern California Edison. Muir's efforts are to transform retail demand reduction programs into demand resources for use in the wholesale processes. This effort includes building consensus and influencing decision-making processes in the regulatory arena inside and outside of SCE. Muir has an MBA and a Masters of Science in Financial Engineering, both earned at the Claremont Graduate University, Drucker School of Management. Muir's undergraduate work includes mathematics at the University of California, Berkeley and a BS in Business Administration/Operations and Decision Sciences from the California State Polytechnic University, Pomona.

Barbara George is founder and Executive Director of Women's Energy Matters (WEM), a diverse group of women and men who work together to facilitate a rapid transition to a clean energy future and a cleanup of the dirty energy past. A public interest watchdog in CA Public Utilities Commission proceedings (since 2001), WEM focuses on energy efficiency, procurement and transmission/ distribution issues. Barbara is currently working to ensure clean affordable replacement resources for San Onofre and Diablo Canyon nuclear power plants. As a leading advocate for local control of energy and energy efficiency through "Community Choice Aggregation" (CCA), she won the first Charles McGlashan Memorial award for advocacy from the Marin Energy Authority (MEA). MEA broke off from PG&E in 2010 to become the first CCA in California; it is now the default electricity provider for all of Marin County, and is expanding to the City of Richmond this summer. In 2011, National EPA named MEA #11 of the 20 cleanest utilities in the US, offering 27% renewables. Today MEA offers 50% renewables.

Karen Herter is the president of Herter Energy Research Solutions, a Sacramento-area energy research and consulting firm specializing in the design, implementation and evaluation of residential and small commercial pilots and programs involving electricity pricing strategies, home automation, real-time energy information, and consumer engagement. She has nearly two decades of experience in the energy field, previously holding positions at Lawrence Berkeley National Laboratory and the California Energy Commission. In her current role, she conducts primary field research and provides consulting services to government agencies and electric utilities nationwide. Dr. Herter earned her Ph.D. in Energy and Resources from the University of California at Berkeley, holds a Master's degree in Environmental Studies, and undergraduate degrees in Mathematics and Psychology.

George Katsuftrakis is the Manager of Operations for San Diego Gas & Electric's Customer Programs. His organization is responsible for the development and implementation of the energy efficiency and demand response programs across all customer segments. Mr. Katsuftrakis has worked for the Sempra Energy utilities for 17 years where he has held positions of increasing responsibility in Customer Services and Customer Programs. He holds a BS in Mechanical Engineering from U.C. Berkeley and is a Registered Professional Engineer in the State of California

Sila Kiliccote is the Acting Group Leader of the Grid Integration Group and Deputy of the Demand Response Research Center in the Energy Storage and Distributed Resources Department at Lawrence Berkeley National Laboratory. Her areas of interest include characterization of building loads and demand shaping, demand response for ancillary services and renewable integration.

Sierra Martinez is the Legal Director of California Energy Projects in the San Francisco office of the Natural Resources Defense Council (NRDC). Sierra represents NRDC at state and local fora to promote energy efficiency and other clean energy solutions to climate change. He focuses primarily on regulation of electric and gas utilities to align company and customer incentives to minimize the societal cost of energy services. Sierra has testified on energy issues before the California State Legislature, the California Energy Commission, the California Public Utilities Commission, and the California Air Resources Board. Sierra guest lectures on energy regulation and the environment at UC Berkeley Law (Boalt Hall) and speaks before various other institutions on energy issues. He holds a J.D. from Stanford Law School and a B.A. from Stanford University

Rich Quattrini leads product management and marketing efforts within the Johnson Controls Integrated Demand Resources business unit. He is currently focused on product strategy and integration of EnergyConnect technology with the diverse portfolio of Johnson Controls products and services. Johnson Controls is driving initiatives to make active demand management an integral part of their customers' larger energy efficiency strategies while staying within the context of their business and operational realities. Mr. Quattrini has been involved with demand response for the last 6 years with EnergyConnect and Johnson Controls. Prior to making a career change to the wonderful world of smart energy management, he spent 25 years in engineering, sales, marketing and customer engagement in the semiconductor equipment industry. Mr. Quattrini earned a bachelor's of science degree from Rochester Institute of Technology and a master's degree in Engineering Management from the University of Massachusetts at Amherst.

Beth Reid has over 20 years of experience in the energy industry including senior management positions at multi-national corporations such as ABB and VECTRA Technologies, as well as smaller companies such as APX. Beth was involved in CAISO at the beginning working on the WEPEX project for startup. Beth and Olivine work with utilities, ISOs/RTOs and their customers to address barriers and develop solutions to create a shift in our approach to energy sources and uses. Beth holds a Masters of Business Administration degree from the University of Washington and completed her undergraduate degree work in Economics at the University of Michigan.

Carl Silsbee manages a group within Southern California Edison's Integrated Planning & Strategy organization, and has been actively engaged in reliability studies, long-term procurement planning, and demand response policy. Carl has both engineering and economics training. He has been with SCE for 32 years, mostly working on policy development with their regulatory affairs organization.

Glenn O. Steiger is currently an independent consultant providing smart grid, renewable energy, energy efficiency, demand response and management business/ operational strategy services to the energy and water industries. He is the former General Manager/CEO of Glendale (California) Water & Power (GWP) where he transitioned the utility through the integration of "smart grid" technology, water and energy efficiency and a significant increase in the provision of renewable energy. Under his leadership, GWP was the first utility in the United States to receive federal stimulus funding for its "smart grid" initiative, and the first to be fully smart-grid operational for both its electric and water utilities and achieved one of the highest percentages of renewable power within California. Mr. Steiger has provided internationally-recognized water/energy nexus and smart grid consulting services to utilities in Australia, Brazil, Thailand, China and numerous European countries. In addition he was honored by GridWeek with its 2010 "Excellence in Smart Grid Deployment" award and by Intelligent Utilities as one of 2011's "Movers and Shakers". Mr. Steiger previously led the Massachusetts Municipal Wholesale Electric Company (MMWEC), a public power joint action agency as General Manager/CEO. Before joining MMWEC, he was General Manager of the Imperial Irrigation District. In addition, he has served as Vice President of Corporate and Competitive Affairs at Jersey Central Power & Light and as Director of Engineering and Operations with Sussex Rural Electric Coop. Mr. Steiger holds a bachelor's degree in civil engineering and a master's degree in engineering management from the New Jersey Institute of Technology. Additionally, he has completed advanced course work at Duke University's Fuqua School of Business and is a licensed professional engineer.

Mona Tierney-Lloyd is Director of Regulatory Affairs for EnerNOC. She is an expert in energy policy, regulatory and government affairs in the Western US with over 17 years of experience in California and other western states and over 25 years of experience in the energy industry. Mona has a Petroleum and Natural Gas Engineering Degree from Penn State. Her experience in the energy industry includes positions with Elizabethtown Gas Company, SDG&E, Enron and Constellation NewEnergy in the areas of retail energy market issues, resource adequacy, renewable portfolio standards, and natural gas ratemaking. In her role at EnerNOC, Mona actively participates in the development of wholesale and retail demand response, energy efficiency and smart grid policies. Her areas of focus include integration of demand response resources into wholesale markets, development of resource adequacy requirements, and issues around data access and privacy.

Luke Tougas is a Regulatory Policy Analyst for the Demand Response group at Pacific Gas and Electric Company. Luke has also held positions at PG&E pertaining to Regulatory Relations and Low Income Solar Programs. Luke previously worked at Consolidated Edison Company of New York where he focused on capacity market issues in the New York and PJM markets. In addition, he has worked several years in the renewable energy industry. Luke holds a Bachelor of Science degree in Physics from Saint Michael's College and a Masters of Arts degree in International Relations from The Johns Hopkins University.

V. John White has been a writer, commentator, advocate, and leader of the green energy movement in California for 35 years. He is executive director of CEERT, the Center for Energy Efficiency and Renewable Technologies in Sacramento, and principal of the environmental and energy lobbying practice, V. John White Associates, representing public interest environmental and local government organizations, and new energy technology companies. A native of Southern California, White's career has been devoted to air quality improvement and clean energy development. As chief consultant to the California Assembly Subcommittee on Air Quality he became the leading legislative expert on air quality technology and regulation, helping to draft the California Clean Air Act and subsequent landmark clean air and energy statutes. In 1985 he moved full time into environmental advocacy, representing the Sierra Club, South Coast Air Quality Management District, and others in the fight for public health and clean air. In 1990 he co-founded CEERT, which has become the premier energy advocacy voice for key environmental public interest groups and clean energy technology companies. He played a central role in the passage of the Pavley Clean Car bill, AB 32, and many of California's renewable energy incentive and regulatory programs. He serves on a number of nonprofit organization boards and is frequently-quoted in the media on matters relating to global warming, air quality, and renewable energy.