

**California Energy Efficiency Strategic Plan
Research and Technology Action Plan Workshop**

Panel Members Bios

FIRST PANEL: PLANNING, PROCESS AND FUNDING

1. Laurie ten Hope

Laurie ten Hope is Deputy Director for Research & Development at the California Energy Commission. She leads the State's public interest R&D to advance clean energy innovation and technology development. The program is a catalyst for transforming to a renewable and efficient energy future, with minimal environmental impact.

Laurie previously served as Senior Advisor for Commissioner Jeffrey Byron, with a policy focus on energy efficiency, distributed energy, public interest RD&D, and transmission access for renewables.

Previously, Laurie managed the Energy Systems Research Office at the Energy Commission, developing research initiatives to mitigate environmental impacts; improve electricity infrastructure, and develop clean transportation alternatives.

Laurie has a BA in Environmental Science from the State University of New York.

2. Gregg Ander, FAIA

Gregg D. Ander, Fellow of the American Institute of Architects (FAIA), is the Chief Architect of Southern California Edison. Gregg is the Executive Producer of six environmentally-focused television programs for NBC, CBS, and PBS. One program, "Greener Buildings/Bluer Skies," won a 2006 Emmy award.

Mr. Ander is a member of the American Institute of Architects (AIA), Illuminating Engineering Society of North America (IESNA), American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), serves on the Board of Directors of the Sustainable Building Industry Council (SBIC), and the New Buildings Institute (NBI). Gregg has authored over 70 technical and design-related articles and has won awards for various energy-related projects from the AIA, ASHRAE, Department of Energy (DOE), and the National Academy of Television Arts and Sciences. In addition, Gregg has participated in numerous sustainability charrettes for residential, retail, K-12 schools, offices, and the greening of the White House and Old Executive Office buildings. He is the author of the book, "Daylighting Performance and Design," published by John Wiley & Sons (second edition).

3. Susan Preston

Susan Preston is General Partner for the CalCEF Clean Energy Angel Fund. The Angel Fund is focused on seed/start-up stage investments in clean energy technology. Susan is a world-recognized expert in angel financing and angel organizations. Susan has spent most of her career in senior management positions in public and private companies, from general counsel to CEO. She has also been a partner in two national law-firms and is a patent attorney.

Susan is the author of numerous articles, white papers and books on angel financing. Her most recent book, *Angel Financing for Entrepreneurs, Early-stage Funding for Long-Term Success* was released by Wiley Publishing in March 2007, and her first book, *Angel Investment Groups, Networks and Funds: A Guidebook to Developing the Right Angel Organization for Your Community*, a comprehensive guidebook on the establishment and operation of angel investment groups, for which she has received numerous accolades, was published by the Kauffman Foundation in 2004.

She has been and continues to be a national and international speaker on economic development, angel and venture financing. She was an Entrepreneur-in-Residence with the Ewing Marion Kauffman Foundation for 6 years and continues to serve as a consultant, specifically focusing on initiatives related to angel investing and angel organizations.

Susan has held several board positions with public and privately held corporations, and has served on non-profit boards. Ms. Preston has been profiled in *Red Herring, Inc.* magazine, *Smart Money*, *Worth* and other local and national publications; and has contributed to numerous nationally published articles on angel investing. Ms. Preston is the founder of *Seraph Capital Forum*, the first all-women's angel investment organization.

She is the architect of the *Access to Capital for Entrepreneurs Act*, a bi-partisan federal income tax credit bill for private equity investing, which was introduced in the House and Senate in 2006 and 2007, and has been reintroduced in the current Congressional session.

Ms. Preston received her JD, cum laude, from Seattle University School of Law and her BS, magna cum laude, Phi Beta Kappa, in Microbiology and Public Health from Washington State University.

SECOND PANEL: RESEARCH AND DEVELOPMENT

1. Mary Ann Piette

Mary Ann Piette is a Staff Scientist and the Deputy of the Building Technologies Dept. at Lawrence Berkeley National Laboratory. She is the leader of the Commercial Buildings Systems Group and the Director of the PIER Demand Response Research Center.

Ms. Piette conducts research for DOE, CEC, NYSERDA and other organizations related to building energy use, efficient operations, demand response, energy information systems, building controls, and commissioning and diagnostics.

She has a Master's Degree in Mechanical Engineering from UC Berkeley and a Licentiate in Building Services Engineering from the Chalmers University of Technology in Sweden. She has received awards for applied research in building commissioning and developing new technologies for demand response.

2. Mark Modera

Mark P. Modera is the Director of the UC Davis Western Cooling Efficiency Center (WCEC), and is a Professor in the Civil and Environmental Engineering and Mechanical Engineering departments at UC Davis. Mark is also the Sempra Utilities Distinguished Scholar in Energy Efficiency. Dr. Modera joined the WCEC from Carrier Corp., and from Lawrence Berkeley National Laboratory (LBNL). Dr. Modera was a Principal Investigator at LBNL on many research projects, and developed a new research program focused on thermal energy distribution in buildings. His publications cover a large range of research interests, including: diagnostic tools for heat and mass transfer properties (e.g. dynamic thermal performance of buildings and components, air tightness, soil permeability), air flow modeling and measurement, energy efficiency policy, simulation tools and simplified models for buildings, wood combustion (efficiency, pollution production, third-world cook stoves), aerosol production and transport, and indoor air quality.

While at LBNL, Mark developed an aerosol-based duct sealing process, and he subsequently established AeroSeal, Inc. to commercialize the technology. AeroSeal's technical success and market promise became recognized by Carrier, who bought the business in 2001 and retained Mark to help manage it. Mark's broad experience in research, business, entrepreneurship, education, and regulatory environments ideally qualifies him for his current position, leading the WCEC in its mission of partnering to advance energy-efficient cooling systems.

3. Jerry Mix

Jerry Mix is the President of WatStopper, Incorporate, a Legrand group brand (www.wattstopper.com). He founded WattStopper in 1984. WattStopper is a market leader in lighting controls, including occupancy and vacancy sensors, digital lighting controls, lighting control panel systems, daylighting controls, wireless RF controls, and plug load controls.

In 1996, WattStopper was acquired by Legrand Inc., the world's largest electrical wiring device company. Today, WattStopper products are sold in over 40 countries. We are the Legrand technology competence center for this market segment and a clear world leader in the development of advanced lighting controls and systems.

Outside Affiliations: Current

Advisory Board for the California Lighting Technology Center (2006- current)
Lighting Technology Greenhouse – Advisory Board - Light Research Center, Troy, NY
National Electrical Manufacturers Association, Past Chairman of the Subcommittee of the lighting controls of the Wiring Division
Silicon Valley Leadership Group

Outside Boards:

Finelite Inc., a Lighting Company – www.finelite.com
ETM Tailored Power Subsystems. www.etm-inc.com
Prior Board Member, Ymmas Controls, an HVAC/ Energy controls contracting company

Education: BSBE, Marketing, University of Arizona

THIRD PANEL: COMMERCIALIZATION (DEMONSTRATION, DEPLOYMENT AND CONSUMER ACCEPTANCE)

1. Bernie Kotlier

Executive Director, Sustainable Energy Solutions
Labor Management Cooperation Committee, California

Bernie Kotlier is the director of Sustainable Energy Solutions for the California Labor Management Cooperation Committee (LMCC), a joint effort of the National Electrical Contractors Association, and the International Brotherhood of Electrical Workers in California. Bernie is responsible for the development and implementation of sustainable energy education, training and workforce development programs, as well as related sustainable energy business activities. His department trains for, and promotes, photovoltaics and other renewable energy sources, energy management, energy efficiency, smart grid/smart buildings, and electric vehicles. This is accomplished through multifaceted sustainable energy training, education, and business development programs for contractors and electricians throughout California.

Bernie has also contributed to the development of California state energy policy and work force development programs. He has been a member of the California Public Utilities Commission Advisory Committee on Energy Efficiency Workforce Development, and the Working Group on Lighting. Bernie currently serves as co-executive chairman of the California Advanced Lighting Controls Training Program (www.CALCTP.org), and is chairman of the curriculum committee of CALCTP. Recently he has also taken on the responsibility of co-chairing the national Electric Vehicle Infrastructure Training Program (EVITP), and is a member of the State of California Schools of the Future Initiative Advisory Committee.

Bernie came to the LMCC from Solectria Renewables where he served as director of business development for the Western United States. Before moving to the renewable energy sector, Bernie built a twenty year career in the bicycle industry where he held top management positions in domestic and international markets. Educated at Bennington College and The University of California, Berkeley, Bernie went on to promote energy conservation in the transportation sector by developing, manufacturing, marketing, and distributing products like Mongoose Bicycles and Bell Helmets.

Bernie has served as President of Brunswick Bicycles International, President of Bell Sports Specialty Retail Division, and President of Service Cycle/Mongoose, a division of American Recreation. Throughout his career, Bernie has taken an active role in industry affairs. In addition to serving as a director of the Bicycle Wholesale Distributors Association and co-founding the Bicycle Shippers Association, Bernie founded and was Chairman of the International Bicycle Association, and the Coalition for Fair Trade. He has also been a published contributor to the Harvard Business Review.

2. Benjamin Finkelor

Ben Finkelor serves as the Executive Director of the UC Davis Energy Efficiency Center. Ben was hired five years ago when the center originally launched and he has been passionate about achieving the center's mission to accelerate the development and commercialization of energy efficiency technologies and train future leaders in demand side management. Prior to joining the center, Ben served in a variety of roles within the Clean Technology sector, including Director of Business Development for a clean energy start-up company, Founder and Interim Executive Director for CleanStart (a Sacramento-based business incubator supporting local clean energy technology ventures and entrepreneurs), and as a Cleantech Analyst for the private equity arm of the California Public Employees' Retirement System (CalPERS). Mr. Finkelor has served as a mentor and judge for a number of cleantech business plan competitions including the California CleanTech Open. He earned an MBA from the Graduate School of Management at University of California, Davis, where he studied Technology Management, and also earned an emphasis in Corporate Environmental Management through the Bren School at UC Santa Barbara.