

SOUTHWEST ENERGY EFFICIENCY PROJECT



MAY 7TH, 2008 PHOENIX, ARIZONA

Speaker Biographies

Tom Alston, *Solar Alliance*

Tom is currently the Manager of Business and Policy Development for American Solar Electric, the largest installer of solar photovoltaic systems in Arizona. He is also the Arizona Lead for the Solar Alliance as well as the Vice President of the Arizona Solar Energy Industries Association (AriSEIA). In these roles Tom serves as one of the principal advocates for solar energy in the state, and works extensively with the State Legislature, Arizona Corporation Commission and members of the Arizona Congressional Delegation.

Before obtaining an M.B.A. from the Thunderbird School of International Business where he focused on international energy issues, Tom was a job developer for Mesa Community College, and was full time staff on several local political races. Tom holds a B.A. in Political Science from the University of Arizona and went to high school in northern Arizona, which remains favorite destination of his for hiking and mountain biking.

Richard Barna, *Pepper Viner Homes*

Richard has worked in the construction field for over 35 years. Several years were spent as a Commercial Project Manager.

From the late 80s thru early 90s, Richard worked as Planning and Projects Coordinator for the Arizona Sonoran Desert Museum in Tucson. During that time, Richard worked with some of the most environmentally conscious architects in the country and the seeds of green awareness were planted. From 1994 til present, Richard has worked for Pepper Viner Homes in Tucson. Over the past two and a half years, he has led the company into their position as a leader in the field of green, energy efficient building. His current position is Director of Green Building and Building Science.

Richard is an active member of the Southern Arizona Home Builders Green Builders Council. He also worked on the development of the Regional Green Building Rating System with Pima County and other green stakeholders.

Linda Douglas-Worthey, *Tucson Electric Power*

Linda has been employed for TEP for 34 years and has been responsible for the design and implementation of energy efficient new home programs and various demand side management programs since 1978. Linda was the Guarantee Home Program Manager at Tucson Electric Power Company from it's inception in 1997 through 2007 when she was reassigned to develop a host of new DSM programs for TEP, UNS Electric and UNS Gas. Linda is a past member of the Board of Directors for Southern Arizona Homebuilders Association and The Electric League of AZ. She is a past member of the Metropolitan Energy Commission, the Advisory Board for "Teaching Energy Conservation Program" sponsored by the City of Tucson, an active member of Southern Arizona Mechanical Contractors Association, and a technical advisor for the UA Business Basics Course and for Pima College.

Steve Dunn, Senior Associate, Southwest Energy Efficiency Project

Steve Dunn is a Senior Associate with the Southwest Energy Efficiency Project (SWEET), a public interest organization promoting energy efficiency policies and programs in the states of Arizona, Colorado, Nevada, New Mexico, Utah and Wyoming. SWEET is based in Boulder, Colorado.

Prior to joining SWEET in February 2007, Mr. Dunn worked as a Policy Analyst with EPA's Clean Energy-Environment State Partnership – a voluntary program that helps states identify and implement cost-effective clean energy policies. At EPA, he worked with multiple states to identify, evaluate, and implement clean energy programs and policies. He coordinated the development of EPA's *Clean Energy-Environment Guide to Action*, which identifies and describes 16 clean energy policies and strategies that states have used to meet their clean energy objectives. He also developed subsequent products and provided technical assistance to help states develop and implement 'Lead by Example' clean energy initiatives, and assess the multiple energy, environmental, and economic benefits of their clean energy programs.

Prior to joining EPA, Mr. Dunn worked for The H. John Heinz Center for Science, Economics, and the Environment (The Heinz Center) – a nonprofit institution dedicated to improving the scientific and economic foundation for environmental policy through multi-sectoral collaboration among industry, government, academia, and environmental organizations. At The Heinz Center, he conducted research and developed policy options for addressing coastal hazards and global climate change. He coordinated a nationally recognized analysis of the physical and economic impacts of coastal erosion on coastal properties and the National Flood Insurance Program (*Evaluation of Erosion Hazards*), prepared briefings on global climate change science and policy options, and organized national workshops and seminars on technologies and policy options for reducing greenhouse gas emissions.

Mr. Dunn received his Masters Degree in Environmental Policy and Management from the School of Forestry and Environmental Studies at Yale University, and a Bachelors Degree in Environmental Studies from the University of California at Santa Cruz.

Charlie Gohman, Arizona Department of Commerce Energy Office

Charlie Gohman, Manager of the Building Science and Efficiency section of the Arizona Department of Commerce Energy Office, where he has worked for 21 years.

As program manager, Gohman's day to day activities include program management of the Low-Income Weatherization Program, new and existing residential buildings, affordable housing and residential energy codes. He has extensive experience in residential diagnostics techniques, including pressure diagnostics, blower door, computer simulation and infrared photography.

Rob Hammon, Principal, ConSol

Principal of ConSol since 1990, Rob Hammon oversees ConSol's consulting department, which specializes in residential new construction research, development, and demonstration projects including market analyses, energy-savings assessments, energy-efficient building design, energy-efficiency program design and implementation, interpretation of regulations, and training, for governments, utilities and industry at the local, state, and federal levels. He has over 20 years experience in energy-efficient and sustainable design in new residential construction.

Dr. Hammon has pioneered quality construction as a market driver for energy efficiency, especially via voluntary programs. He has also developed builder protocols for energy-efficient quality construction as well as for use and installation of residential photovoltaic systems. Hammon assembled a national research team and successfully secured funding from the U.S. Department of Energy for an innovative research project that began in 2004 to build and test marketable prototype homes that are 40-70 percent more energy efficient than typical new homes. He has also assembled two California Teams working on separate projects funded by the California Energy Commission to design and build "Zero Energy New Homes" with production homebuilders and to develop methods to make advancement of such communities sustainable. In 2005 Hammon was named to California Governor Arnold Schwarzenegger's Energy Efficiency Subcommittee Green Action Team. In early 2006 he was tapped to co-chair the New Solar Homes Partnership Advisory Committee that advises the California Energy Commission (CEC) staff and its commissioners how to create the most effective program to encourage solar technology in new home construction.

Prior to joining ConSol, Hammon ran his own consulting firm where he developed energy-efficiency related software. Previous to that, he held senior positions at International Bioaccess Systems Corporation and SRI International. He has an extensive background working and partnering with various government entities, including the U.S. Department of Energy, the U.S. Office of Technology, and U.S. Department of Defense, and National Institutes of Health.

Hammon received a Bachelor of Science degree from the University of California at Berkeley. He also earned a Master of Science degree and a Ph.D. from the University of California at Davis. Hammon has also received numerous awards and honors throughout his career, including Associate of the Year award from the Southern Nevada Home Builders Association, U.S. EPA Ally of the Year award for outstanding technical assistance, and Pacific Gas & Electric Company Energy Efficiency Services Excellence award. He holds several U.S. patents.

Tom Hines, Arizona Public Service

Tom Hines is a residential energy efficiency expert with more than 15 years of experience working with over 30 utilities nationwide. He holds a masters degree in Environmental Planning from Arizona State University. Since 1998, Mr. Hines has managed residential energy efficiency programs for Arizona Public Service Company (APS), based in Phoenix Arizona. In this position, Mr. Hines works closely with local builders and contractors to help provide information and education on energy efficient practices and building science principles. Mr. Hines promotes energy efficient heating/cooling contractors through the APS Qualified Contractor program, energy efficient lighting through the APS residential ENERGY STAR lighting program, and energy efficient homebuilders through the APS ENERGY STAR Homes program. Mr Hines is current serving as a board member of the non-profit Energy and Environmental Building Association (EEBA).

Kim Humphrey, Salt River Project

Kim has a Bachelor of Science degree in Electrical Engineering from the University of Arizona. Prior to joining SRP, Kim spent 10 years with IBM designing and implementing computer solutions. She has over 10 years experience in sales and marketing. Kim has worked with the SRP PowerWise Homes program rating homes and helping builders design energy efficient homes. She is a certified Energy Rater and Green Rater. PowerWise Homes is the Builder program being promoted by SRP to encourage energy efficient building in the builder community and to assist SRP in reaching their sustainable portfolio goals.

Representative Lucy Mason, Arizona House of Representatives

Representative Lucy Mason's deep Arizona roots go back four generations in cattle ranching and land management. She is married to Rex, an architect, and together they have three grown children and three grandchildren. Mrs. Mason was educated at Arizona State University, University of Houston, Northern Arizona University, and University of Arizona Masters Watershed Program. In her early career, she was a technical illustrator for the NASA Lunar Landing Missions and for over twenty years she was an architectural illustrator for commercial and institutional projects across the nation. During that time she also owned a small business and is familiar with the challenges facing business owners.

Mrs. Mason is past Chairman of the Gang Prevention Task Force; graduate and past president of Prescott Area Leadership; Children's Council; Founding member of Youth Count and served on Governor Jane Hull's Task Force for K-12 Education. Mrs. Mason served on the Prescott City Council in 1997 as liaison for all water issues from local to state levels; is a Founding member of the Yavapai County Water Advisory Committee, and Board Chairman of the Yavapai Combined Trust for 3000 employees' health insurance. At the Legislature, Mrs. Mason serves on the following committees: Water and Agriculture, Chairman; Counties, Municipalities and Military Affairs; Health.

Brian O'Donnell, Southwest Gas Corporation

Brian O'Donnell is a twenty-three (23) year employee of Southwest Gas Corporation and is currently an Administrator for the Corporate Public Affairs Department. Brian is a registered professional engineer, certified energy manager and has worked with many of Southwest's customers over his career.

Brian is a graduate of the State University of New York Maritime College. He has also completed graduate work at New York University, the University of Hartford and Arizona State University. He is involved in many community and professional organizations. Brian is a vice president of the Distributed Energy Association of Arizona and a member of the MAG Air Quality Technical Advisory Committee. He, also, is a member of many technical associations including ASME, ASHRAE and AEE.

Previously, Brian was employed by APS as Start-up Superintendent for the Palo Verde Nuclear Generating Station, Building Official by the City of Scottsdale and Lead Design and Testing Engineer for the design and testing of power plant systems by the General Electric Company.

Jeff Schlegel, Arizona Representative, Southwest Energy Efficiency Project

Jeff Schlegel is SWEEP's Arizona Representative, working with environmental, consumer, and renewable energy groups in support of energy efficiency and distributed resource issues. He has more than 20 years of experience in the energy field, specializing in policy analysis, planning, evaluation and research, and program design for energy efficiency, renewable energy, and low-income energy programs.

In addition to his responsibilities with SWEEP, Mr. Schlegel assists the State of Connecticut Energy Conservation Management Board, a public board overseeing energy efficiency, demand response, and low income programs in the state; the Massachusetts Energy Efficiency Collaboratives, providing policy analysis, planning, and evaluation oversight of energy efficiency and demand response programs; and the New England Demand Response Initiative (NEDRI), a 50-member stakeholder group from the six New England states in developing a comprehensive, coordinated set of demand response programs for the New England regional power markets.

From July 1997 through March 2000, Mr. Schlegel served as the lead technical consultant to the California Board for Energy Efficiency (CBEE), a public advisory board that provided recommendations to the California Public Utilities Commission on energy efficiency programs in California. In addition, he has worked on energy efficiency policies and programs in New England, Wisconsin, and Arizona. Mr. Schlegel was the winner of the 1997 Outstanding Achievement Award from the International Energy Program Evaluation Conference. The Outstanding Achievement Award was given to only four individuals nationwide between 1991 and 2002.

Sean Terrell, *Pulte Homes*

Sean Terrell is the Director of Purchasing for Pulte Homes and is responsible for purchasing activities related to home building for the Phoenix West Division. He has been employed with Pulte Homes since May 2004 and has held several positions within the Purchasing Department.

Prior to Pulte, He was employed by Zachry Construction and managed field administrative activities for industrial construction projects throughout the United States. He earned his bachelor's degree in 1998 as well as an MBA in Management in 2000 from Sam Houston State University. He and his wife, Dee Dee, live in Anthem and enjoy the outdoors and spending time with their two daughters, Megan and Whitney.

Mark Wilhelm, *USGBC Arizona Chapter*

Mark Wilhelm is a founding principal of Green Ideas Environmental Building Consultants. He is responsible for technical development, project management and consulting services. Mark has devoted nearly three decades to energy efficient and sustainable building design and planning. He is a nationally recognized expert in energy efficient building design, solar energy technology, and building energy simulation.

Mark is a founding member and past Chairman of the U.S. Green Building Council (USGBC) Arizona Chapter and current Secretary of the Central Branch. He also served as founding Co-Chair and is currently a Director of the USGBC West Region. He is the appointed Chairman of the State of Arizona's Solar Energy Advisory Council and its Climate Change Subcommittee. He is also Past President of the Phoenix Chapter of the Association of Energy Engineers and a member of the U.S. EPA's Technical Advisory Group for Building Healthy Hospitals.

Mark received his Masters Degree in Environmental Planning from Arizona State University with a focus on energy efficient building design, solar energy technology, and building energy simulation. Prior to joining Green Ideas, Mark served as President of GreenBuilt Consulting, a national sustainable building consultancy serving clients in the design, construction and energy industries. Mark spent four years directing commercial and residential product lines and managing strategic alliances for the Electric Power Research Institute (EPRI), which is the premiere collaborative R&D organization for the electric utility industry. He also spent thirteen years in customer service, marketing and sales management positions with Arizona Public Service Company (APS).