The Central Coast Sustainability Summit is an annual conference whose goals include sharing best practices and building collaborations to address complex environmental issues in our region. The event brings together key stakeholders from local government agencies, chambers of commerce, non-profit organizations, campuses, utility companies, and private companies.
2014 Summit Schedule

Thursday, November 13 From 7:30am-4pm
at the Loma Pelona Conference Center

7:30am - 8:00am Registration and Coffee/Tea
Loma Pelona
8:00am - 8:15am Welcome and Opening Remarks
Loma Pelona 1108
8:15am - 9:00am Keynote: The Water-Energy Nexus
Loma Pelona 1108
9:00am - 9:15am Transition Break
9:15am - 10:30am Concurrent Sessions 1
   The Water-Energy Nexus: What Is Ventura County Actually Doing About It?
      Loma Pelona 1108
   LED: State of the art technology and applications
      Loma Pelona 1100
10:30am - 10:45am Transition Break
10:45am - 12:00pm Concurrent Session 2
   Best practices in energy management and lessons learned
      Loma Pelona 1108
   Water we going to do?
      Loma Pelona 1100
12:00pm - 1:00pm Lunch
1:00pm - 1:45pm Keynote: Community Choice Aggregation (CCA)
Loma Pelona 1108
1:45pm - 2:00pm Transition Break
2:00pm - 3:15pm Concurrent Sessions 3
   Community Choice Aggregation (CCA) – Is it Time to Make the Switch?
      Loma Pelona 1108
   Sweetwater Collaborative: a Water Stewardship Network
      Loma Pelona 1100
3:15pm - 3:30pm Transition Break
3:30pm - 4:00pm Keynote: Translating Knowledge to Action
Loma Pelona 1108
Pam Lombardo, Acting Associate Vice Chancellor of Administrative Services, will welcome participants to the event and discuss the progress that has been made since the last Central Coast Sustainability Summit. Ms. Lombardo will then introduce Senator Hannah-Beth Jackson who will share any legislative accomplishments relevant to the conference's theme, as well as any local updates for the District.

**SPEAKERS**

**Pam Lombardo**  
*Acting Associate Vice Chancellor, Administrative Services, UC Santa Barbara*

Pamela Lombardo was appointed as Acting Associate Vice Chancellor for Administrative Services in July 2013. In this position, Pam oversees Audit & Advisory Services, Business & Financial Services, Environmental Health & Safety, Human Resources, and Police and serves as the Campus Compliance Officer and the Locally Designated Official.

Pam previously served as Director of Environmental Health & Safety and Campus Risk Manager for four years, and has a total of 17 years of campus experience, including five years as Director of Business Services and, prior to that, seven years as Director of Business & Financial Services for Housing and Residential Services.

**Hannah-Beth Jackson**  
*Representing Senate District 19*

Hannah-Beth Jackson represents the 19th Senate District in the California State Senate, which includes all of Santa Barbara County and western Ventura County. An educator, former small business owner and former Deputy District Attorney, she represented the 35th Assembly District from 1998 to 2004 in the California State Assembly.

In the Senate, she is chair of the Senate Judiciary Committee, and serves on several key committees, including the Budget Committee, the Elections and Constitutional Amendments Committee, the Environmental Quality Committee and the Natural Resources Committee. She’s also chair of the Select Committee on Passenger Rail, the Joint Legislative Committee on Emergency Management and the incoming chair of the California Legislative Women’s Caucus.

Married to retired Superior Court Judge George Eskin, she has a daughter, two stepchildren and five grandchildren.
8:15am – 9:00am The Water-Energy Nexus Loma Pelona 1108

KEYNOTE SPEAKER

Dr. Robert C. Wilkinson
Adjunct Professor at the Bren School of Environmental Science & Management at the University of California, Santa Barbara

Dr. Robert C. Wilkinson is an Adjunct Professor at the Bren School of Environmental Science & Management at the University of California, Santa Barbara and Senior Lecturer in the Environmental Studies Program at UCSB. The focus of Dr. Wilkinson’s teaching, research, and consulting is on water and energy policy, climate change, and environmental policy issues. Dr. Wilkinson is also a Senior Fellow with the Rocky Mountain Institute and the California Council on Science and Technology.

Dr. Wilkinson advises government agencies, businesses, and non-governmental organizations on water and energy policy, climate research, and environmental policy issues. He co-chairs the U.S. Sustainable Water Resources Roundtable and serves on a number of advisory boards, including the Task Force on Water and Energy Technology for the California Climate Action Team and the advisory committee for California’s State Water Plan. He represented the University of California on the Governor’s Task Force on Desalination, served on the Blue Ribbon Committee for Metropolitan Water District of Southern California, and advised the California Energy Commission, the California State Water Resources Control Board, the California Department of Water Resources, the Western Governors’ Association, and others. He has also advised various federal agencies, including the National Renewable Energy Laboratory and the U.S. Environmental Protection Agency on water, energy, and climate research and policy, and he served as coordinator for the climate impacts assessment of the California Region for the US Global Change Research Program and the White House Office of Science and Technology Policy.

In 1990, Dr. Wilkinson established and directed the Graduate Program in Environmental Science and Policy at the Central European University based in Budapest, Hungary. He has worked in every country of Central Europe from Albania through the Baltic States and throughout the former Soviet Union, including Siberia and Central Asia. He has also worked in Australia, New Zealand, Canada, Japan, South Africa, Mongolia, and China.
In Ventura County, several public agencies are working aggressively to address the water energy nexus. What have they learned in pursing energy and water efficiency, and what barriers are they facing? How much energy is required to move water around the state and into our homes and businesses? What can we do to reduce that? What are our water agencies doing about it? Our schools? Our government offices? The Energy Network is helping Ventura County Unified School District, Conejo Valley Unified School District, Ventura Water, the City of Oxnard, the City of Ventura, and the Port of Hueneme to save water and energy with technical support, project management and construction management support, financing tools, incentive application submissions, internal support building, and external marketing and outreach.

MODERATOR

James Ferro
Program Manager, The Energy Coalition and The Energy Network

James manages water programs for The Energy Coalition and, as a member of The Energy Network Project Delivery Team, is the lead liaison with water and wastewater agencies. He also manages the design and implementation of The Energy Network’s water-energy nexus pilot project.

SPEAKERS

Wyatt Troxel
Senior Re-Integrative Solutioneer, EnerVention Strategies (Process Engineer)

Wyatt Troxel specializes in advanced Process Control strategies and optimization of wastewater treatment and water reclamation systems, integrated process and applied science solutions to energy and chemical use efficiency and cost containment, regulatory and compliance assistance, and value-based technical training for enhanced process control and utility economy.

Continued on Next Page
Robert Wilkinson
Associate Professor, Bren School of Environmental Science & Management, University of California, Santa Barbara

Robert Wilkinson’s research and teaching is focused on water and energy policy, climate change, and issues of environmental policy. He advises government agencies, businesses, non-governmental organizations, and foundations on water policy and environmental issues. He currently serves on the public advisory committee for California’s State Water Plan, and he has represented the University of California on the Governor’s Task Force on Desalination. He has advised the California Energy Commission and the U.S. Environmental Protection Agency on climate research and has served as coordinator for the climate impacts assessment of the California Region.

Shana Epstein
General Manager, Ventura Water

During her tenure with the city of Beverly Hills, Shana Epstein led a staff of more than 70 employees and was responsible for providing water, wastewater, solid waste, and storm water services. Prior to taking the position in Beverly Hills, Epstein served in the public utilities department for the City of Anaheim. Epstein holds a Master’s Degree in Public Administration from George Washington University and a Bachelor’s degree in Political Science from the University of California, San Diego.

John Jardin
Chief Plant Operator, City of Oxnard Oxnard Wastewater Treatment Plant

John Jardin formerly managed Encina Wastewater Authority Operations Department for the Encina Water Pollution Control Facility, Remote Pump Stations (4), and Contract Operations of the Carlsbad Water Recycling Facility, developing and implementing plans, goals, and objectives that are consistent with Authority goals and objectives; reviewing and approving staff recommendations on department work organization, assignments, work schedules, and training needs; managing the organization, distribution, and performance of the department workload; preparing performance evaluations; serving on employee interview panels; and identifying and addressing department training needs. He exercises operational principles and practices for operating a Major Wastewater facility, Water Recycling Facility, Biosolids Heat Drying Facility, and Co-Generation Facilities in a cost effective manner.

Richard Freed
Energy Educator/Manager, Business Services, Conejo Valley Unified

Rick Freed is the Energy Educator/Manager and is in charge of the CVUSD Energy Education Program. Before becoming our energy Educator in July ’08, he had been a long time teacher and Department Chair at Newbury Park High School where he taught Physics and Chemistry for over thirty years. He has a degree in Physics and has done extensive graduate work in Electrical Engineering. Rick is responsible for gathering detailed information and data about energy consumption in Conejo Valley Unified schools. This includes learning about the operation of the heating, ventilation, and air-conditioning (HVAC) systems and determining the occupancy patterns in each of our sites. He is responsible for educating the staff at each site on ways their efforts can contribute to reducing energy costs. Rick regularly performs energy audits at all of our schools to look for energy savings opportunities around the clock, especially during the predominantly unoccupied times of the day and night.
Light Emitting Diode (LED) lighting technology is on track to replace incandescent lighting technologies at a rapid pace. What was once relegated to low power illumination, such as consumer electronics, has now moved mainstream and can replace any source at any mounting height in a residential, commercial, institutional, or industrial space. Cree, Inc. is a market-leading innovator of lighting products, and UCSB has implemented several of their interior and exterior networked lighting control solutions in combination with LED lighting to facilitate flexible and intuitive lighting controls on campus.

**SPEAKERS**

**Thomas Engel**  
Cree, Inc.

Tom is a graduate of CSU Chico where he received a BS in Finance and Economics and of SDSU where he received his MBA. Tom's lighting background started in 1991 with General Electric Lighting. He held numerous local, regional, and national positions throughout the sales organization. During this time, Tom developed a thorough background in the basics of lighting: operational savings, proper light levels, and the appropriate color and quality of light.

**David Paladino**  
Cree, Inc.

David Paladino graduated from Northern Illinois University and worked for six years as a high school science teacher. He has over thirty years of experience in Architectural Lighting Sales, first as a factory salesman for Lightolier and then twenty five years as a manufacturer’s representative with California Lighting Sales, working with architects, interior designers, electrical engineers, and lighting designers in the greater Los Angeles region. He took a position with Cree, Inc. in 2011 to focus on Specification Sales in Education and Healthcare Lighting for Southern California.

**Jordan Sager**  
UCSB Utility & Energy Services

Jordan Sager manages green building programs and Statewide Energy Partnership implementation at UC Santa Barbara. Within the office of Campus Design & Facilities, Jordan supports sustainability measures and LEED certification on capital building projects and advises campus policy as it relates to planning, design, and construction. In addition, he supports the development of renewable energy and climate action planning at UCSB. He earned his Master's degree from UC Santa Barbara’s Bren School of Environmental Science & Management. Jordan is a LEED Accredited Professional, a Certified Energy Manager, and a PowerSave Campus alumnus.
Roy Hapeman, energy manager for the county of Santa Barbara; Jim Dewey, facilities and energy manager for the city of Santa Barbara; and Andrew Riley, Sustainability Coordinator for UCSB Student Affairs will discuss best practices in energy management and lessons learned, with updates on current solar, co-generation, and energy conservation projects and financing.

**SPEAKERS**

**Andrew Riley**  
Sustainability Coordinator, Student Affairs, UCSB

As Sustainability Coordinator for Student Affairs, Andrew Riley is working to help Student Affairs reach its Zero-Net Energy goals by supporting the development and implementation of energy efficiency projects and renewable energy planning for the Division. Andrew also works closely with the Renewable Energy Initiative Governance Board as its administrative coordinator to bring student-funded renewable energy projects to the campus. He earned his Master’s degree from UC Santa Barbara’s Bren School of Environmental Science & Management, specializing in energy and climate studies with an emphasis in community renewable energy solutions.

**Jim Dewey**  
Facilities and Energy Manager, City of Santa Barbara

Jim Dewey has served the last seven years as the Facilities and Energy Manager for the City of Santa Barbara. Before being hired at the City of Santa Barbara, Jim served as the Campus Energy Manager and Associate Director of Facilities at UCSB. Prior to UCSB, Jim was a Commercial Air Conditioning and Building Controls contractor, designing control systems and managing energy for many high-tech companies and government agencies. Jim is a graduate of the Universal Technical Institute, specializing in Heating, Ventilation, Air Conditioning, and Solar Technologies, and he has a Bachelor’s Degree in Business Economics from UC Santa Barbara. Jim is a Certified Energy Manager with the Association of Energy Engineers.

**Roy Hapeman**  
Energy Manager, County of Santa Barbara
The Central Coast is experiencing an unprecedented drought, with the driest consecutive three years on record, and current central coast water supplies are severely reduced. UC Santa Barbara, Goleta Water District, and Santa Barbara are dealing with the drought head on through education and outreach and conservation and efficiency measures.

**SPEAKERS**

**KK Holland**  
Principal Policy Analyst, Goleta Water District

KK Holland oversees a variety of projects for the Goleta Water District. Areas of responsibility and expertise include drought and community outreach, sustainability and conservation programs, public affairs, and community engagement. Ms. Holland has wide-ranging professional experience in public policy, community engagement, and communication messaging.

**Goleta Water District Drought: Conservation is Critical**

Conservation is critical, but how do you tailor your outreach and messaging to an audience that has already been conserving water? As the water provider with the lowest per capita residential water use on the South Coast, and among the lowest statewide at 66 gallons per person per day, the question of how customers can continue to reduce water use presents a unique challenge.

The Goleta Water District (District) declared a Stage 1 Water Shortage and called for a voluntary 20% water use reduction in March of 2014. Since that time, customers have reduced their water use by 10% over a summer of above average temperatures. Due to persistent drought conditions, a Stage 2 Water Shortage Declaration was scheduled for consideration by the District Board of Directors on September 9, which called for more stringent, mandatory water reductions to protect the District's water supply reliability.

The presentation will detail the District's drought contingency plan, including outreach efforts and incentive-based programs to balance demand with drought-affected supplies. Various programs, ranging from rebates and the district's low water edible garden demonstration to innovative uses of metrics to target larger water users will be discussed. The prioritization of permanent changes that can provide long-term water reductions will also be explored.

**Matt O’Carroll**  
Refuse, Recycling, Water Efficiency & Pest Control Manager

Matthew O’Carroll serves as UCSB’s Refuse, Recycling, & Water Efficiency Manager. He is responsible for planning, organizing, and managing the University’s water conservation efforts, waste management practices, and the integrated pest management (IPM) program. Mr. O’Carroll has received over $100k in grant funding for water conservation projects at UCSB, increased the University’s waste diversion percentage 11% in two years, and oversees UCSB’s Refuse and Recycling Research Center (R3C). He received his Master’s degree from UCSB’s Bren School of Environmental Science & Management, specializing in Water Resources Management. As his Master’s thesis, he produced UCSB’s first comprehensive water management document, the UCSB Water Action Plan.
Mark Rousseau
Energy & Environmental Services Manager

Mark Rousseau helps coordinate sustainability projects within Housing and with other departments and student groups on campus. Projects he’s been involved with include green building, energy efficiency, water savings, recycling, and resource conservation. He’s worked in the environmental consulting field and has a Master’s degree in Resource Development from Michigan State University. He’s been on campus since 1995.

UCSB: Raising Awareness about Water Conservation and Efficiency Efforts

This presentation will inform the audience of how education and outreach efforts can be used to influence behavior change and achieve water reductions, using examples from the University of California, Santa Barbara. Matthew O’Carroll (Water Efficiency Manager, Facilities Management) and Mark Rousseau (Energy Services Manager, Housing & Residential Services) will present on UCSB’s recent outreach efforts, including the introduction of informative signage for irrigation practices, water conservation signage in the restrooms, a residence hall water savings competition, and collaborative efforts with on-campus and local agencies. The presenters will discuss both the challenges and positives from their programs, as well as the lessons learned regarding each topic. While these activities took place on a college campus, they can easily be replicated by other agencies, private homeowners, and landlords. In addition to other UCSB water conservation and efficiency efforts, this past Fiscal Year’s education and outreach efforts led to a potable water reduction of 21% compared to last Fiscal Year. The presenters will also briefly cover upcoming water conservation and efficiency efforts, including the use of more recycled water in applications and upcoming education and outreach programs.

Madeline Ward
Acting Water Conservation Coordinator, City of Santa Barbara

Madeline Ward is the Acting Water Conservation Coordinator for the City of Santa Barbara and has worked in the Water Resources Division for five years. She earned her Bachelor’s Degree in Environmental Studies at the University of California, Santa Barbara in 2009. The Water Conservation Program is responsible for the City’s water demand management programs, following state best management practices, as well as the City’s own long-term water conservation objectives. Her position includes water conservation program development and management, as well as implementing the education and outreach aspects of the Program, including water checkups, youth education, marketing and media outreach, and regional landscaping programs.

City of Santa Barbara: “When in Drought, Conserve!”

Gold is the new green in Santa Barbara, and a shift from lawns to landscapes is resulting in a much more efficient community. This presentation will cover the current water supply outlook for the City of Santa Barbara, drought stages, demand reductions, conservation outreach, and programs to help water customers become more water wise in their home and garden.

A Stage One Drought was declared by the Santa Barbara City Council on February 11th, 2014, and a Stage Two Drought was declared on May 20th, 2014. The City is requiring a 20% reduction in water usage from the community to help reduce the projected water supply shortage. Half of the water used in the City is for landscaping, and this is often where savings can be the most effective.

City customers have done a commendable job of reducing water use this summer with a 20% reduction in demand in July and a 25% reduction in August. The City of Santa Barbara is a long-term leader in water conservation. The City’s Water Conservation Program began as a response to the drought in the late 1970’s and has been actively educating the community on water conservation and awareness for more than 30 years.
12:00 - 1:00pm

**Lunch**

Lunch will be served just outside Loma Pelona on the Patio.

1:00pm - 1:45pm **The Water-Energy Nexus** Loma Pelona 1108

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**KEYNOTE SPEAKER**

**Woody Hastings**

Renewable Energy Implementation Manager for the Climate Protection Campaign

Woody Hastings is the Renewable Energy Implementation Manager for the Climate Protection Campaign. He is an energy and environmental policy analyst, strategic planner, and community organizer with over 26 years of experience in the non-profit, governmental, and private sectors.

Woody joined the staff of CPC in 2010 specifically to help lead the effort to establish a Community Choice program in Sonoma County. Sonoma Clean Power, the second Community Choice program in California, began serving customers in May 2014.

Woody’s involvement with Community Choice began in 2006 while in San Francisco, working with the clean energy advocates there in support of a Community Choice program for San Francisco.

In early 2010, Woody co-chaired the grassroots working group to defeat Proposition 16, the ballot measure sponsored by PG&E that would have effectively ended Community Choice in California. Although PG&E spent nearly $50 million on the attempt, California voters roundly rejected Prop 16. Since the fall of 2010, Woody has coordinated a statewide network of Community Choice advocates that shares information and resources about Community Choice and keeps an eye on legislative and regulatory matters that affect Community Choice.

This year, Woody helped lead the effort to defeat Assembly Bill 2145, a bill that if enacted as originally written, would, like prop 16, have effectively put a halt to any future Community Choice energy programs in the State.

Woody has played key roles in the development of a variety of energy-related projects, including a solar/hydrogen vehicle fueling and fleet technology demonstration project, a landfill gas to energy project, and the installation of dozens of small solar projects, totaling nearly half a megawatt of solar power. Woody is a 2012 Fellow of the Leadership Institute for Ecology and the Economy, is a member of the Bay Area’s Local Clean Energy Alliance Steering Committee, and has a degree in Environmental Sustainability and Social Justice from San Francisco State University.
Following the afternoon keynote presentation by Woody Hastings, the Renewable Energy Implementation Manager for the Climate Protection Campaign (CPC), on the topic of Community Choice aggregation (CCA), there will be a panel discussion on CCA. Panel speakers include Woody Hastings; Jefferson Litten, the Solarize Program Manager of Community Environmental Council; Jason Caudle, Deputy City Manager for the City of Lancaster; and moderator Dave Davis, the President, CEO, and Chairman of the Board of Directors of the Community Environmental Council.

MODERATOR

Dave Davis
Board President and Chair, Community Environmental Council

Dave Davis is the President, CEO, and Chairman of the Board of Directors of the Community Environmental Council (CEC). Dave currently serves as the Chair of the Santa Barbara Metropolitan Transit District Board of Directors, the provider of regional transit services to the Santa Barbara South Coast and a national leader in the electric bus technology. Dave also serves on the boards of the UCSB Economic Forecast Project and the Santa Barbara Built Green Advisory Council.

Dave served as the City of Santa Barbara's Community Development Director and City Planner for almost 25 years before retiring from public service. He has also taught planning and environmental studies at UCLA and Moorpark College. Dave has received numerous awards, including national recognition for planning innovation from the National League of Cities, social advocacy from the American Planning Association, and lifetime achievement from the American Institute of Architects. He has been named “Planner of the Year” by the Santa Barbara Citizen’s Planning Association, as well as “Citizen of the Year” by the Santa Barbara Downtown Organization. Dave also has been recognized for distinction by the Pacific Coast Business Times in “Who's Who in Clean Tech and Sustainability.”

Dave received his B.A. and M.A. in Economics from the University of California at Santa Barbara.
SPEAKERS

Jason Caudle
Deputy City Manager, City of Lancaster

Jason Caudle became Lancaster’s Deputy City Manager in 2008. He has been integral in developing and implementing multi-scaled sustainable energy projects, as well as Lancaster’s award-winning downtown district, “The BLVD.” Caudle has overseen formation of the Lancaster Power Authority, California Clean Energy Authority, and Lancaster Choice Energy – the City’s Community Choice Aggregate. Caudle has continuously worked with City planners and solar energy developers to promote a number of ongoing public-private partnerships.

Previously, Caudle was Vice President of Public Finance for Kinsell, Newcomb & De Dios, as well as City Manager of Tehachapi, where he established a Redevelopment Agency and formed a police department, among other civic improvements.

Caudle holds a Bachelor’s degree in Political Science and a Master’s degree in Public Policy and Administration, both from California State University Bakersfield (CSUB).

A family man, Jason enjoys spending time with his wife Leslie and their two children, Jackson and Kennedy.

Woody Hastings
Renewable Energy Implementation Manager, Climate Protection Campaign

Woody Hastings is the Renewable Energy Implementation Manager for the Climate Protection Campaign. He is an energy and environmental policy analyst, strategic planner, and community organizer with over 26 years of experience in the non-profit, governmental, and private sectors. Woody joined the staff of CPC in 2010 specifically to help lead the effort to establish a Community Choice program in Sonoma County. Sonoma Clean Power, the second Community Choice program in California, began serving customers in May 2014.

Woody’s involvement with Community Choice began in 2006 while in San Francisco, working with the clean energy advocates there in support of a Community Choice program for San Francisco.

Jefferson Litten
Solarize Program Manager, Community Environmental Council

Jefferson Litten is the Solarize Program Manager at the Community Environmental Council (CEC). As Program Manager, Mr. Litten has directed and implemented ten community-wide, group-purchasing programs for residential solar PV systems across Central California. These programs have collectively led to 400 residential solar conversions, representing nearly 2 megawatts of installations. At CEC, Mr. Litten also advises local utility-and municipal-scale renewable energy development.

Prior to Joining the CEC, Mr. Litten worked as a Project Analyst at Champlin Energy, a wind energy development firm, and at Energy Independence Now, where he analyzed hydrogen infrastructure in the transportation sector. Mr. Litten sits on the board for the U.S. Green Business Council, C4 Chapter and is a former board-member of the Central Coast American Planning Association. Mr. Litten holds a Master’s degree in Environmental Science and Management with a specialization in Renewable Energy from the Bren School at UCSB and a Bachelor of Arts from Tufts University.
Sweetwater Collaborative is a collaborative stakeholder network facilitating Santa Barbara’s adaptation of our living systems and behavior to our changing natural water cycles.

The current drought crisis provides South Coast communities an opportunity to collaborate in many new ways to live within our limited common water budget. In this session we will explore ways to combine stakeholder capabilities and resources to reliably balance area water demand with supply. Some of these ways include:

* applying existing knowledge to dramatically reduce water consumption in landscapes, buildings, agriculture, and commerce through rate structures, integrated design, re-landscaping, and rainwater harvesting techniques,
* creating maximally effective training and assistance programs to help property owners, service providers, landscape and building professionals, and water purveyors collaborate in reducing water consumption,
* accessing new sources of supply to tide us over while we develop and expand our local resources and systems,
* studying the local geo-hydrology to determine the best ways to sustainably augment groundwater supplies through rainwater recharge from the single lot to watershed levels,
* investigating water reuse strategies and techniques that fit our local conditions,
* accurately determining and comparing the fiscal, environmental, energy, and climate costs and risks of all options, including desalination,
* collaboratively researching, developing, and implementing the most reliable, efficient, and environmentally sound means to serve our water needs.

More than just presenting information in this session, we will facilitate dialogue and collaborative learning. While we will certainly share what we have been doing, our primary purpose is to learn and collaborate together with our fellow participants. Our ultimate goal is to foster further collaboration wherever appropriate. The chairs, therefore, will be arranged in a circle to facilitate collective engagement.

We will explore five of our current projects as examples with participants at the summit:

* Hands-on workshops where community members help each other learn and implement water-saving landscape features such as rainwater catchment basins and tanks, drought tolerant plantings, greywater systems, and food forests.
* Educational presentations and training on practical water issues.
* The Youth Drought Project, where we are developing a community enterprise engaging crews of young people to perform water-saving landscape work such as lawn removal and replacement.
* Aguanuestra, which engages the Latino, immigrant, and underprivileged communities in proactively addressing community water issues that affect their lives.
* A series of Drought Forums and other meetings through which we are beginning to facilitate collaboration among key stakeholders to foster community-wide drought adaptation sufficient to meet the profound challenges we face.

Key leaders from each of these five projects will first share information and lessons learned. Then the majority of the session will be engaged in facilitated dialogue around these projects and the related interests and projects of the participants. We will include the opportunity for everyone to connect and share follow-up contact info with one another as appropriate.
SPEAKERS

Barbara Wishingrad
Coordinator, Sweetwater Collaborative

Barbara Wishingrad has been an environmental steward for over thirty years. She holds a certificate in Permaculture Design (May 2007), is an Accredited Professional through ARCSA (American Rainwater Catchment Systems Association; Sept 2008), a Certified Water Harvesting Practitioner through Watershed Management Group (July 2009), and a Certified Greywater Installer through Greywater Action (Nov 2009). She has studied Ecological Design, Water Management, Watershed Restoration, Keyline Design, Soil Food Web, and organic gardening. She has a BA in History from UC Berkeley. Barbara is a founding member and the coordinator of Sweetwater Collaborative. She is also a project designer and workshop instructor. She is a board member of Interplay, a local non-profit that facilitates a collaborative culture and is working to help start up cooperative ventures in our area. Barbara’s background is in holistic health, midwifery, therapeutic bodywork, and child development.

Anthony Louis Castelo
Workshop Facilitator/AguaNuestra catalyst, Sweetwater Collaborative

Anthony Castelo's roots in Santa Barbara go back over 100 years, and he has worked in the built environment for close to twenty years. His construction experience began in 1998, and by 2004, he became a certified union commercial journeyman carpenter and welder with training in several specialty fields, including Weatherization and Building Performance. In 2011, he took a Water Harvesting Certification course with Watershed Management Group and, in 2014, the ARCSA (American Rainwater Catchment Systems Assoc.) Accredited Professional training. Anthony is a founding member of Sweetwater Collaborative and one of Sweetwater’s main hands-on workshop instructors. He is also the catalyst behind the AguaNuestra program, which explores open dialogue and activities to create ecological understanding and solidarity among under-served Latino urban communities to benefit their relationship with water and land.

Fred Hunter
Owner/Operator, Dreamscape Santa Barbara

Fred Hunter holds a degree in Environmental, Population, and Organismic Biology from the University of Colorado, Boulder. He has been a licensed landscape contractor in Santa Barbara since 1989, is a certified Permaculture designer, and is currently acting as the lead designer for the Finca Alazan Permaculture project in Playon Sur, Costa Rica.

Art Ludwig
Ecological systems designer, Oasis Design

Art Ludwig is an ecological systems designer with 34 years full-time experience. His specialty is complex, integrated “systems of systems” for water, wastewater, energy, shelter, human powered transport, financial sustainability, etc. He has studied and worked in 22 different countries in 5 languages and has consulted with three states on water reuse policy and building codes. Art has developed numerous innovations which have been adopted worldwide, incorporated in building codes, etc., all of which he has published in the public domain. At UC Berkeley, Art developed the first cleaners specifically designed to be biocompatible with plants and soil, and he founded a successful business to manufacture and distribute them. Art has authored the bestselling books “Water Storage,” “Principles of Ecological Design,” and “Create an Oasis with Greywater.” Over the past several years, Art has dedicated approximately a thousand hours a year to public interest research and activism.

Brad Smith
President of the Board, Interplay

Brad Smith's background is as an entrepreneur and organizer. He developed the community enterprise framework, which unites diverse interests to cooperatively meet community needs. He facilitates collaboration among diverse stakeholders to help communities successfully adapt to social, environmental, and economic challenges too complex for any one institution to manage - prolonged drought as a consequence of anthropogenic climate disruption is one example.
ERIC LOHELA
City of Santa Barbara

Eric Lohela is a Senior Program Specialist for the business recycling programs in the City of Santa Barbara, having worked with hundreds of businesses and thousands of students to develop programs that conserve resources and produce financial savings. He came to the City in 2006 from SEW Consultants where he focused on GHG reduction strategies, AB 939 program management, and conversion technologies.
Save the Date
5th Annual Central Coast Sustainability Summit
Wednesday October 14th, 2015