

USGBC- Los Angeles				GBCI CE HOUR APPROVALS		
11th Annual Municipal Green Building Conference & Expo						
26-Apr-12						
Session Title:	Total minutes of Instruction	GBCI Topic Category (Pick one only)	Session Description (100 words):	Learning Objectives (Minimum of three)	Approved GBCI CE Hours	Is session LEED-specific?
A Call to Action: Utility Emerging Technologies Programs	50	Project systems and Energy impacts	Let's quit talking and ACT! Include your utility company in your greening efforts to help you provide "future proof" technologies to your constituents. By engaging with you local utility company you will be helping meet the State's Long Term Strategic Energy Efficiency Plan. Participating in utility programs such as their Emerging Technologies Program, uncover technologies to achieve Zero Net Homes and Commercial Buildings. Also, discover how to achieve significant reductions in energy use in existing buildings and meet AB32 goals. Be a part of an exciting effort to identify those new technologies and provide insight to energy efficiency programs.	The key role the Emerging Technologies Program plays in greening your municipality. The various "levels" of in situ pilot projects in which your municipality and businesses may participate. How to effectively use the results of Emerging Technology Program projects to increase market demand and fuel adoption in your programs.	1	No
All New Construction Net Zero Energy by 2020? The CPUC guidelines are clear, but how will we get there? A study in the design and construction of the Green Idea House, a net zero energy, zero carbon, environmentally friendly home that was chosen as the cornerstone case study for Southern California Edison's NZE initiative.	50	Project systems and Energy impacts	This robust panel will discuss the good, the bad and the ugly of designing and building the Green Idea House (www.GreenIdeaHouse.com), a net zero energy, zero carbon retrofit of an existing home. The house is designed to harvest from the environment more energy than it uses on an operational basis and be responsive to the environment in terms of water, waste and toxicity	Whole building approach - How a systems approach to the design led to innovations in the form of the building and the alternatives chosen for both energy efficiency and cost savings. We don't need to wait until 2020 - How off the shelf technologies can be used to achieve net zero energy now. It is about the money - Why some of the building's choices seem antithetical to common knowledge - until you do the numbers.	1	No
mPOWER Placer: A model of a countywide "green" program to strengthen the local economy	50	Stakeholder involvement in innovation	Commercial and multifamily property owners are looking for ways to save money on their energy bills, reduce their impact on the environment; and stimulate the local economy. MPOWER Placer (Money for Property Owner Water and Energy efficiency Retrofitting), assists in achieving that goal. MPOWER Placer will finance energy efficiency improvements and energy generation systems such as solar photovoltaic to qualified Placer County property owners, with no upfront costs.	How investment in the local economy is the first step toward economic recovery. The importance of creating a passionate team to drive the "greening" effort. The need for a "greening" program to be simple and customer service oriented.	1	No
The Seven Tribes of Real Estate: Their culture and behavior regarding energy efficiency investment risk. Plus bonus short session on the new Sandia Labs Solar PV Appraisal Tool	50	Stakeholder involvement in innovation	The Seven Tribes of Real Estate are single family homes, small commercial, large commercial, multifamily, special use and MUSH (Municipal, University, School and Hospital/Health). This is a natural pattern in the marketplace. The Tribes cluster by behavior in ownership groups, risk tolerance, banking relationships and access to capital. Anyone seeking to complete an energy efficiency upgrade will improve their chances of obtaining a loan if they work within and understand these existing market structures. The discussion will include identification of differences within each tribe of how to best prepare the appraisal.	Understanding the cultural differences between natural market divisions of real estate property types. How behavior and risk with ownership, finance and investment impact energy efficiency upgrade decisions. Improve understanding of the loan underwriting process within a major bank as it relates to energy efficiency lending to the Seven RE Tribes. Improve understanding of how risk is viewed in the debt market for new construction (like energy upgrades) as a project goes from an idea, to ink on paper, entitlements, construction, occupancy to seasoned.	1	No
Use CHPS and CHPS ORC to Green District in Energy/Environment and in Cash CHPS: Collaborative for High Performance School CHPS ORC: CHPS Operation Report Card	50	Improvements to the indoor environment	How to set up a Green school - sustainability strategy, i.e. board resolution, policy making and design standard will be introduced. Then follow up with Green School concept including discussions on site, energy and water efficiency, indoor air quality, acoustics performance, environmental friendly materials. The Green School benefit to student's health and academic achievement will be stressed.	Understanding the essence of Green school;How to use CHPS as a tool to build and modernize Green School, and use CHPS ORC to monitor existing school. How to apply for extra funding by being High Performance School? How to set up strategy to bring CHPS to District, change mind-setting and gain support from Board, teachers, parents and students?	1	No
Lines in the Sand: Various Approaches for Climate Planning	50	Stakeholder involvement in innovation	Some local governments lack the resources to develop a climate action plan (CAP), and also lack the authority needed to develop regional solutions for climate change. As a result, some jurisdictions are pooling resources to develop regional CAPs or regional approaches to creating CAPs. This presentation will highlight lessons learned from recently developed CAPs that were developed using three different approaches	Understand the pros and cons of various approaches to developing a CAP in a local jurisdiction. Understand different types of regional approaches to developing CAPs. Identify common elements found in all CAPs.	1	No
Benchmarking Towards Energy Efficiency: Creating a Sustainable Energy Action Plan	50	Project systems and Energy impacts	State and local governments across the country are taking bold steps to protect the environment and lower energy costs by adopting policies that leverage EPA's ENERGY STAR tools to reduce energy use in government and commercial buildings, through both required policy measures and voluntary campaigns. Benchmarking is an important action step to improving a building's energy performance. Developing an energy action plan or policy based upon ENERGY STAR methodology provides opportunities without capital investment. Proper communication is a key focus on rapid, sustainable results. Sustainable energy efficiency action plans and policies are inspiring to the community.	How to assess energy efficiency opportunities. Using ENERGY STAR to develop policies. How to implement and evaluate energy efficiency efforts for sustainable progress.	1	No
Electric Vehicle Infrastructure Training Program	50	Project systems and Energy impacts	This session would be a presentation with Q&A. It would be presented by Bernie Kotlier. The goal of the presentation would be to promote the adoption of electric vehicles by ensuring an excellent customer experience and proper functioning of charging stations.	The customer experience is critical to the adoption of electric vehicles. Currently EV installers lack customer service skills when entering a buyer's home/garage and fail to properly conduct site assessments and load calculations. Industry partners such as General Motors, the National Electrical Contractors Association and the IBEW created a national non-profit organization to facilitate training and certification for the safe and expert installation of Electric Vehicle Supply Equipment.	1	No
No Regrets Design	50	Stakeholder involvement in innovation	Come learn about the no-regrets technologies and design strategies employed at three recently designed Net Zero Energy and High Performance projects. We will explore a few of the paths not taken during design and the resulting limitations as well as the successful strategies that could only be effectively implemented during early design. Our discussion will focus on three building projects in Southern California: a grocery store, a retreat center and a multi-family development.	Good early design decisions allow better design to happen. Exposure to showcased building technologies and design integration. Overcoming barriers to facilitate better sustainability decisions.	1	No

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The Future Ain't What It Used To Be: the San Diego Region's Foray into Climate Adaptation Planning	50	Stakeholder involvement in innovation	Although many municipalities have experience implementing climate action plans focused on reducing greenhouse gas emissions, communities are beginning to realize the need to also reduce their future risk from expected local climate change impacts (climate adaptation). Several jurisdictions in San Diego County have begun to identify and implement adaptation strategies that address these future impacts such as higher energy/water demand, more wildfires, and sea level rise. The session will showcase examples of how San Diego municipalities have begun to plan - both individually and collectively - for future climate change impacts and leverage community partners and stakeholders in the process.	Participants will be able to understand local climate change impacts and potential municipal strategies to reduce these impacts. Participants will learn the fundamental steps in climate adaptation planning and communication strategies with elected officials and the broader public. Participants will learn about unique opportunities and challenges in regional climate adaptation planning and discuss new ideas and solutions.	1	No
Urban Informatics and Digital Infrastructure for Sustainable Cities	50	Stakeholder involvement in innovation	Urban informatics, often called ubiquitous computing or pervasive sensing, are systems that collect and translate vast amounts of network-enable data into visualizations and applications that are accessible, economical, social, and entertaining. Smart phone-enabled applications, such as MTA's Nextrip, increasingly help SoCal residents access information that helps them make better sustainable choices, such as finding a convenient bus rather than driving their car. Such technologies are translating into the built environment through smart meters, low-energy media facades, interactive art projects, and intelligent parking systems. This panel will discuss new developments for informatics in technology, public space, and architecture.	Identify urban digital networks and data feeds for buildings or infrastructure systems, including wireless-enabled applications, that can be used to enhance municipal sustainability programs and carbon reduction strategies. Understand how personal behavior can be affected through digital informatics systems, including building dashboards, smart meter infrastructure, and public displays of information to achieve more sustainable outcomes. Define the terms of urban informatics and how they apply to a variety of scales, including buildings, transport networks, public space, and commercial development, as well as how they can be integrated into sustainability plans for Southern California cities.	1	No
Training Electricians and Contractors on the Proper Installation of Advanced Lighting Controls	50	Project systems and Energy impacts	This session would be a presentation with audience Q&A. Bernie Kotliar will be presenting, and could be joined by another CALCTP stakeholder such as a representative of Southern California Edison. The purpose of the presentation will be to promote energy savings through the proper installation of advanced lighting controls by building continued support for CALCTP, and "getting" the CALCTP message to facility managers, engineers, designers, architects, etc.	Lighting controls represent one of the greatest opportunities to save money, yet most facilities do not have comprehensive, advanced lighting controls. One of the reasons for poor adoption is that utility studies show that most lighting control systems are not properly installed and do not achieve promised energy savings. To address this challenge industry stakeholders including Southern California Edison and The California Lighting Technology Center at UC Davis, the Los Angeles Chapter of the National Electrical Contractors Association and the IBEW Local 11 created California Advanced Lighting Controls Training Program. Support and adoption of CALCTP has been remarkable.	1	No
Sustainable Master Planning Best Practices	50	Stakeholder involvement in innovation	This presentation will explore how trends in sustainable design practice and standards including LEED, Triple Bottom Line, 2030 Challenge, Living Building Challenge, Carbon Neutral, Net Zero Energy, and Regenerative Design can inform campus-wide decisions related to capital projects, including renovations and master planning for future expansion. To adequately respond to this increasingly complex set of standards and programs, plus more stringent targets, a focus on sustainable master planning is needed. Through a holistic approach to campus and master planning, learn how a campus can be developed over time to result in more sustainable development, at less cost.	Understand trends in sustainable design practice and standards for master planning. Learn best practices to integrate sustainable design trends into campus master planning and understand how this approach would improve a campus' overall performance over time. Understand an approach to sustainable campus planning based on utilization of existing campus attributes.	1	No
How to Implement Targeted and Comprehensive Municipal EE Projects in Your City	50	Project systems and Energy impacts	Learn how one Local Government Partnership worked with City Staff, Utility Account Executives, and Vendors to navigate the decisions on how to effectively implement energy efficiency municipal projects.	Learn how to conduct a rate analysis and set targets for energy savings in your City - and learn what the most common, financially attractive upgrades can be done in your city. Hear from representatives of three cities on how they tackled common infrastructure and facility retrofits and the roadblocks they faced during implementation. Hear from a Utility Account Executive from a Local Government Partnership that will give best practices and tips on what rebates and incentives yield the most savings.	1	No
Tale in two Cities –approaches to the sustainable adaptive reuse of historic buildings in Pittsburgh PA and Los Angeles, CA.	50	Acquisition, installation and management of project materials	The two case studies - one that used historic tax credits in Pittsburgh, PA and the other that chose not to in Los Angeles, CA - shed light on the complications of integrating new sustainable systems in old and in this case, historic, buildings. The presentation of these case studies also addresses interpretations of what constitutes historic compliance and identifies the benefits and some conflicts with sustainable objectives. In each location the buildings bring a little piece of the city back to life and show how a clear contemporary approach to design can actually enhance the legacy.	How an understanding of contributing historic features impacts the scope of work and sustainability objectives. Pros and cons of reusing an existing building. Insight into the impact of utilizing historic tax credits.	1	No
Municipal Strategies for Sustainability: Santa Monica Pico Branch Library	50	Stakeholder involvement in innovation	The design of a new branch library in Virginia Avenue Park in Santa Monica provides a case study for the design of a municipal sustainable building. The building design maximizes transparency while minimizing sunlight penetration and utilizes a raised floor displacement air system for added comfort, flexibility, and allergen reduction. Rainwater harvesting is also being used. From a social sustainability perspective, the design process was inclusive and interactive. It led to a new prototype for neighborhood libraries that is less formal and deliberately integrates with (rather than isolates from) surrounding outdoor community activities and programs.	How integration of early community input coupled with education on sustainability enhances outcomes for public projects. Amplifying the value of sustainability strategies beyond LEED credits to enhance overall project goals (e.g. Daylighting= better learning=better test scores may have significant community impact beyond reducing energy costs). Value of working closely with local agencies to address code creatively (or adjust outdated codes) to achieve sustainable strategies new to a given area.	1	No
Panel Discussion on the Realistic Next Steps Towards Net Zero and Regenerative Buildings.	50	Project systems and Energy impacts	The presentation will create a cohesive discussion around realistic possibilities for the near future of Net Zero and how we as the construction industry can get there. Too often presentations focus on, why we cannot do something now, big glamorous ideas, or case studies of what is already complete. This presentation will combine the three into a timely conversation on feasible technologies available today coupled with other technologies for a big glamorous idea. A single project will not be used as a model. Rather case studies of varying technologies utilized throughout the country will be referenced for hybrid solutions. The panel will consist of architects, engineers, energy and sustainability consultants and other visionaries leading the charge into the future.	Understand some realistic next steps to move towards Net Zero and regenerative buildings. Understand what technologies are being implemented currently and how they can be adapted for continued/ future use. Discuss possible opportunities and review potential pitfalls. This includes discussion on: campus planning, economies of scale, financing.	1	No

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Lawn Replacement at LA and Santa Monica City Halls: Sustainability, public use and cost considerations in renovating historic municipal landscapes	50	Water Management	With the lawn at Los Angeles City Hall in need of repair, the costs and benefits of lawn replacement in public spaces have received significant media coverage. Panelists with expertise in the costs, benefits, ordinances, historic district and public use considerations will examine these issues. Two city hall landscape renovation projects will provide insight into challenges and best practices: the nascent LA City Hall project and a well-underway project at the City of Santa Monica's City Hall. Both projects involve historic buildings, strong Water Efficiency Landscaping Ordinances and incentives, as well as communities with a need for public gathering space.	Evaluate the costs and benefits (total cost of ownership) of lawn replacement in high-use municipal landscapes. Understand the mix of sometimes conflicting historical district, green building, water efficient landscaping ordinances and other ordinances that shape conversations about landscaping in public spaces. Learn about the opportunities, challenges, and best practices for public, historical zone lawn replacement projects via a case study-like comparison of the City of Santa Monica and LA City Hall lawn replacement discussions.	1	No
Re-Certification: The Next Step	50	Stakeholder involvement in innovation	Whether your building/space is certified under BD+C or EB, ongoing tracking, maintenance and education are all key elements to operating a successful LEED certified space. This seminar explains the why, what and how of the re-certification process from the people, planet, profit perspectives. Our panel consists of LEED consultants and building owners with first-hand experience in the recertification process where they will share personal success stories and outlining the steps needed to take in order to see their sustainability goals carried throughout the life of their building.	Understand LEED's requirements pertaining to ongoing / re-certification, and the financial, environmental and social benefits of incorporating LEED's guidelines into a building's standard operations. Identify exactly what needs to be tracked (energy, water, waste, purchasing and building status.) Learn how to incorporate tracking all of these items in a manageable, streamlined process. Participants will also learn how to educate and engage their own team, tenants and the local community.	1	No
Innovation on a Municipal Project Budget Case Study- Town of Truckee Service Center	50	Stakeholder involvement in innovation	The Town of Truckee commissioned our design team to develop a new Public Service Center including an administration building and a corporation yard for their road maintenance, facilities maintenance, and police departments. In addition, we developed designs for an animal shelter to be run by the local Humane Society as part of a public/private funding strategy. The facility consists of a 9-building campus on a 16.4-acre site, built in two phases, and designed to meet the requirements of a LEED for New Construction Silver Certified facility. Project expenses are \$15M, Phase 1 (completed in October 2011); \$4M, Phase 2 (Bidding in March 2012). The challenges of meeting the facility's industrial needs in combination with delivering a humane and energy efficient workplace resulted in a number of unique features and strategies.	Understand how priorities were established to achieve a high design and performance industrial facility in the context of a municipal budget. Share strategies for delivering the established performance goals, including innovative technologies. Infrastructural installation within a phased project.	1	No
Green School Development, Making it a better Middle College High School, a joint LAUSD and LACCD Case Study.	50	Stakeholder involvement in innovation	The unique experience of working with two major agencies at the same time give one the impression that we are living in two different time zones. The first is the organizations of the past, ever struggling to support their members amidst difficult economic times, always looking over their shoulders for the next budget cutback. In the parallel universe we see young students and faculty embracing new tools in the fight to be current and innovative. These struggles are current in all aspects of work and life. We will bring out thy best of both worlds through specific recent examples.	How to improve efficient project delivery with technology and BIM modeling. How do LAUSD and LACCD encourage innovation in their facilities design process to improve value, performance, product. How to improve and increase invaluable education during design and construction	1	No
Southern California Regional Energy Center Pilot Program	50	Project systems and Energy impacts	Overview of the Southern California Regional Energy Center, a pilot project funded by IOUs and the DOE designed at aggregating municipalities' needs into a single resource providing simplified and standard tools for implementation as well as underwriting standards for financing, calculators and other existing resources packaged in a way that municipalities can easily fit energy efficiency into their capital improvement plans moving forward based off of the energy savings realized through demonstration projects today. This presentation will bring the audience through the process of identifying the needs, to implementing demonstration projects that make efficiency possible in this economy.	Learn about a Regional approach to energy efficiency in municipal buildings in Southern California. Learn how the standardized tools can be beneficial to cities to get more energy efficiency projects implemented, and see actual demonstrations of these tools used in process. Learn how other municipalities in other parts of the country can adopt a Regional Energy Center for their communities.	1	No
Practical and Legal Issues in Sustainable Development and Green Building	50	Stakeholder involvement in innovation	The presentation will address four main topics: 1. Evolving Building Standards; 2. Team Approach to Green Projects; 3. Key Contract Provisions; 4. Liability for Failing to Comply with Contract Requirements. The section on Evolving Building Standards will address both mandatory and voluntary green building standards, including new requirements for commissioning and energy and water performance reporting. We will also discuss the importance of properly specifying and coordinating commissioning activities.	Understanding contractual requirements for Green Building and LEED projects. Coordinating responsibilities and allocating risk among participants on Green Building and LEED projects. Minimizing liability for failing to meet performance and contractual requirements on Green Building and LEED projects.	1	No
Tracking Building Performance Data: What to Measure, How to Measure it, and How to Act On the Results	50	Project systems and Energy impacts	Tracking building performance data can be an effective management practice. Learn what performance metrics to track, how to obtain the data, and how to apply it – whether you are seeking initial LEED certification, recertification, or simply increasing building efficiency. See how an online dashboard can be used to effectively communicate building performance.	Discover what building performance metrics (energy use, water use, janitorial purchasing, construction waste, recycling, etc) to measure. Learn about best practices for obtaining data on key performance metrics, specifically focusing on new, proven technologies for data tracking. Learn how to analyze the results, and how to turn those results into an action plan for further sustainable building operations improvement, including for LEED for Existing Buildings recertification.	1	No
The Small Cities Climate Action Partnership Innovator Pilot Program: An Innovative and Replicable Model for Advancing Energy Management in California's Smaller Municipalities	50	Project systems and Energy impacts	Small cities (those with less than 50,000 population) represent 25% of the population of California, but 83% of the state's jurisdictions. If California is to significantly reduce its greenhouse gas emissions, small communities throughout the state will need to take action to reduce energy consumption in both municipal and community activities. However, these communities often lack the staffing resources and economies of scale necessary to plan for climate protection, access project funds, and accelerate energy efficiency efforts.	Describe the importance of engaging small cities in energy management activities, and the unique challenges small cities face in implementing climate action and energy efficiency efforts. Demonstrate how working with AmeriCorps volunteers and experienced "encore" talent can be an innovative way to deliver technical support for energy programs at the same time as it provides a career development pathway. Outline how the Small Cities Climate Action Partnership can be a model for low-cost energy partnerships throughout California.	1	No

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Proactive Sustainable Planning Key to AB32 Regulatory Compliance	50	Project systems and Energy impacts	California planners face the challenge of addressing climate change and related AB 32 greenhouse gas (GHG) emission mandates such as SB 375, SB 97, and CalGreen – with more regulations in the pipeline. This session explores how local planning jurisdictions can successfully meet this challenge by proactively implementing sustainable planning principles.	Identify the various climate change and related AB 32 greenhouse gas (GHG) emission mandates such as SB 375, SB 97, and CalGreen - and future regulations in the pipeline - that affect the built environment. Understand how local and regional urban planners and designers can successfully comply with the mushrooming GHG regulations by proactively implementing sustainable planning principles. Learn about available resources offered by California's four largest investor owned utilities to achieve GHG reduction through energy efficiency at the project and community level.	1	No
Saving Lives: How the Military Imperative for Energy Efficiency in being met by New Construction on Three Southern California Military Campuses	50	Project systems and Energy impacts	The military, not dictated by the political discourse hindering the creation of a national energy bill, moves forward with its sustainability imperative to save the lives, oversees and at home. ARRA monies in our Southern CA military bases are working to achieve energy efficiency goals. Case studies of sustainability initiatives on the following military campuses will be presented	Understand the military's imperative to reduce dependence on foreign energy sources. Understand the strategies current military projects are integrating to meet imperative sustainability goals. Understand future project goals to continue to strive toward military imperatives for sustainability.	1	No
Green + Affordable = Sustainable	50	Neighborhood systems and impacts	When green building is combined with affordable housing the results a tangible examples of urban sustainability. This session will provide two recently completed examples of urban infill affordable developments that are LEED for Homes certified.	Green building can be applied to affordable housing. Urban infill development promotes sustainability. Increased understanding of the LEED for Homes rating system.	1	No
Building a "Sustainable Living Street": Does it really defy traditional engineering concepts.	50	Project Site Factors	This proposed session incorporates the real estate speculation of the early 1900's with the building of amusement piers, canals to emulate Venice Italy, a rail system to transport visitors, and small summer cottages promising utopia. It evolves through the closing of Pacific Ocean Park, the filling in of many of the Venice canals, and the aftermath both socially and economically. It is about a community without a strong voice in municipal affairs, an area that lacked public investment, and a location considered by many to be a	PROTECTING THE ENVIRONMENT THROUGH DESIGN. UTILIZING STATED GOALS TO SUPPORT SUSTAINABILITY. SOCIAL SUSTAINABILITY	1	No
Dodo-Sapiens: how our way of life is killing us and the need for regenerative, bio-based buildings	50	Stakeholder involvement in innovation	While every other technology has made vast improvements (cell phones, computers, automobiles), our buildings continue to be boring, energy-wasting and toxic. In this talk, you'll tour bold, new ideas for transforming our cities and suburbs into regenerative and restorative places. By learning from Nature, we'll uncover lessons to apply to our built environment that will save energy, water, resources and be healthier in the process.	Discover how biomimicry (study of nature as designer) can apply to our built environment. Understand new methods of saving water, restoring aquifers, recycling greywater by copying natural systems. Discover how voluntary programs don't go far enough, and the bold initiatives needed in your city	1	No
Generating Community Economic Benefit through Local Government Energy Management	50	Project systems and Energy impacts	This keynote panel provides unique and timely perspectives on California's energy policies and programs and how they are creating favorable opportunities for local government action to generate economic benefits. Moderated by The Energy Coalition's President and Executive Director, Craig Perkins, the panel will provide an update on the current California energy landscape as it is being shaped by recent decisions at the Public Utilities Commission and the Energy Commission and by actions in the legislature that will have a major impact on the types and funding of programs during 2013-14 and beyond. Presentations and perspectives from local government representatives and key energy stakeholders will describe the distinct opportunities as well as the potential barriers tied to greater local government participation in energy management initiatives. After laying the groundwork for an understanding of the current energy policy environment, the panel will introduce and discuss a new proposed model for developing, funding and implementing joint local government action at the regional level that can achieve much greater levels of energy efficiency and cost savings in both municipally-owned and privately-owned buildings.	Gain insight into current and impending California energy programs and policies. Learn about emerging new models for local government management of energy efficiency programs to create economic and community benefits. Understand the importance of getting into the "game" to gain greater control over your energy future and create energy accountable communities. Hear from speakers who are leading efforts to expand the influence and role of local government in the State's energy policy decisions	1	No
'See' +100,000 sf building energy loss with infrared thermography ASHRAE level II energy audits to rank and prioritize your building upgrades	50	Project systems and Energy impacts	Help you 'see' energy loss plus prescriptively vision what to do to correct energy loss and project utility savings.	The key to this technology's success is the logarithm formula of energy in each pixel of the infrared thermography couple with prescriptive & projective energy savings analytics. ASHRAE level II audits with infrared thermography are no-cost for any of your hundreds of +100,000 sf buildings you wish to identify upgrades and retrofits for. Utility savings paid upgrade performance contracting will enable you to retrofit any building with no up-front cost totally paid by utility savings.	1	No
Dry Run: Preventing the Next Urban Water Crisis	50	Water Management	In the Age of Scarcity now upon us, fresh water shortages are an increasingly serious global problem. With water restrictions emerging in many developed countries and water diversions for industrial, urban and environmental reasons stirring up oceans of controversy, there is a growing thirst for innovative approaches to reducing our water footprint.	Dry Run shows the best ways to manage scarce water resources and handle upcoming urban water crises. Featuring original interviews with more than 25 water researchers and industry experts, this book explains water issues and proposes solutions for homes, buildings, facilities and schools. Examining the vital linkages between water, energy use, urban development and climate change, Dry Run demonstrates best practices for achieving "net zero" water use in the built environment	1	No