



Fall 2009 Sustainability Training Series

SPONSORED BY THE CALIFORNIA COMMUNITY COLLEGES / INVESTOR OWNED UTILITY PARTNERSHIP

Partnering for Sustainability

The California Community Colleges/Investor Owned Utility Partnership (CCC/IOU) is proud to sponsor the 2009 Community College Sustainability Training Series. This is a 4-course series focusing on sustainability in Higher Education facilities, and applicable operations and maintenance ideas to 'green' existing buildings which will help save energy, money and the environment. (Note: American Institute of Architects (AIA) credits will be offered for qualifying courses.)

The fall 2009 series will be hosted and/or web- and video-cast to seven community college campuses across California. Check the course listing below for the hosting campus nearest to you.

- TOPICS:**
1. Intro to Sustainability - 10/16/09
 2. Transformers - 10/30/09
 3. Lighting Your Way To Zero Net - 11/6/09
 4. The Water & Energy Connection - 12/4/09

TIME: 8:30 am to 12:30 pm
(8:00 am check-in; free breakfast provided)

LOCATION: San Diego Mesa College
7250 Mesa College Dr., San Diego, CA 92111
Classroom # LRC229
For campus map, visit:
<http://www.sdmesa.edu/7shared-files/campus-map.html>

Training will also take place at the same time and dates at these locations:
College of the Canyons, Santa Clarita; College of the Sequoias, Visalia; Citrus College, Glendora; Laney College, Oakland; Solano College, Fairfield; San Joaquin Delta College, Stockton. For more information, e-mail LHua@semprautilities.com.

COST: FREE

PARKING: Free to all participants. Additional information will be given at a later date.

REGISTER: Enroll online at www.sdge.com/training, or e-mail seminars@sdge.com, or call 1.800.613.8970.



Sign up for one or sign up for all!



1 INTRODUCTION TO SUSTAINABILITY AND LIFE CYCLE COSTING

DATE: Friday, October 16, 2009

PRESENTED BY: San Diego Gas & Electric®

This workshop introduces the concept of sustainability and how it relates to business and everyday life. Attendees will learn techniques to better manage energy production and use, water procurement and use, and waste management, including recycling. Learn to apply life cycle costing to evaluate projects using the time value of money, interest rates, discounting, cash flows and net present value (NPV) of projects. The concept of environmental sustainability is used to explain the applicability of life cycle costing toward evaluating the energy efficiency of projects.

(Continued on back)

2 TRANSFORMERS: TURNING EXISTING BUILDINGS "GREEN"

DATE: Friday, October 30, 2009

PRESENTED BY: Southern California Edison

Owners and operators of existing buildings can improve their property's energy performance and make a true claim to "sustainability" by attending this workshop. Receive an overview of operations and maintenance (O&M) techniques for transforming existing buildings into greener facilities. Learn how landscaping practices, water usage, waste disposal, indoor environmental control, and energy efficiency may influence the sustainability of buildings. A discussion of various guidelines and standards for sustainability will be included, along with practical ideas for low cost "green" O&M practices.

3 LIGHTING YOUR WAY TO ZERO NET

DATE: Friday, November 6, 2009

PRESENTED BY: Pacific Gas and Electric Company

Daylighting is key to designing net-zero energy buildings. But even in an optimally-fenestrated building, electric illumination remains necessary to allow year-round and extended use of the building. Daylighting and electric lighting need to be considered as a package and well integrated while designing buildings and building controls systems. After-the-fact fixes can be costly. This presentation includes thought provoking and proven concepts in electrical illumination that dramatically improve overall building energy efficiency and visual comfort.



4 THE WATER-ENERGY CONNECTION

DATE: Friday, December 4, 2009

PRESENTED BY: Southern California Gas Company

California is taking a serious look at the water-energy-greenhouse gas relationship. Saving water saves energy, either in cooling towers on buildings, or at thermal power plants which use large amounts of water for cooling. Saving water used outdoors via pumping, treatment and delivery is good. However, saving hot water used indoors is even better. This class will assist participants in calculating the magnitude of the water-energy-greenhouse gas connection for their facilities. Participants should bring to class basic information from their facilities on the amount of water used and waste water discharged. Additionally, bring information on energy use (kW, kWh and therms), ideally broken out into types of use.

For more information regarding training, incentives, and upcoming events offered by the CCC/IOU Partnership, please visit www.cccutilitypartnership.com.



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