

January/February 2010

Energy Leader

A Publication of the *Ventura County Regional Energy Alliance*

Home of the *Ventura County Energy Resource Center*

Stimulus Funds and Projects

Please visit us online @ www.vcenergy.org to register to receive the Energy Leader newsletter and training seminar "Email Blasts" and to update your contact information.

Contact us to discuss scheduling a workshop or briefing event to meet the specific need and interest of your organization.

Energy Professionals and Energy Service Providers are encouraged to register their company under the Vendor menu among the business service categories.

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2009 Projects Recap

Thanks to the efforts of many individuals working on behalf of their organizations, VCREA was able to assist in the implementation of 23 energy efficiency projects for the 2009 calendar year.

The projects resulted in a combined savings of 1.7 million kWh, or the equivalent of 283 households using about 6,000 kWh per year. Dollarwise, these projects have reduced annual utility costs to public agencies by about \$225,000.

While lighting was the "bread and butter" of projects, VCREA worked with the Ventura Unified School District and the County of Ventura to reduce energy use of their large chiller plant air conditioning systems. "State-of-the-art" control systems, as well as hardware upgrades, reduced the energy use of these chiller plants by as much as fifty per cent. Additionally, projects with the cities of Port Hueneme and Thousand Oaks, as well as the County of Ventura, addressed improvements in pumping and fan systems. In the realm of lighting, VCREA encouraged the use of new outdoor lighting and control technology for building exteriors and parking lots. These systems will reduce energy use by 50-75%

Training was a high point for the year, with a total of 15 training sessions offered in 2009 to more than 500 participants. The trainings provided the background that will help drive the "green economy" by updating technicians and professionals who are working in new construction and on retrofits or remodels. As of January 1, 2010, California has implemented the updated Title 24 Energy Standards. Several VCREA trainings focused on these new (and often complex) requirements so as to provide crucial

information to design professionals, contractors and the building inspection community. VCREA responded to the increasing interest in green building standards by providing several training sessions focused on that subject matter. The year may have been slow for actual work and installation, which was an opportune time to advance the training seminars that will help ready employees for the new year and the expected up-turn in the economy. In particular, the training seminars have helped the region develop an internal strength among workers by allowing individuals to advance their skills. This is key to the retraining and repositioning that many are facing.

Looking forward to 2010, VCREA expects to work with Southern California Edison and Southern California Gas Company in the local government partnership program funded by utility ratepayers under the auspices of the California Public Utilities Commission. The program will be focused on energy efficiency programs for the County of Ventura, as well as the cities within Ventura County—meaning that each city/County will have opportunity for technical support on project identification and implementation, as well as the ability to further train staff in new building codes, new technologies, and work toward a vision for long-term energy efficiency.

Fourth Quarter 2009 provided the opportunity to identify many projects that are eligible for stimulus funds coming from the American Recovery & Reinvestment Act of 2009. Those funds are specifically directed to energy efficiency retrofits in city halls, public works operations and other public facilities.

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VENTURA PARTNERSHIP NEWS



An EDISON INTERNATIONAL® Company

Southern California Edison Speakers' Bureau

Since 1971, an elite group of full-time employee members of the Southern California Edison Speakers' Bureau have addressed hundreds of thousands of people on a broad range of electric industry issues.

These services are free and multi-lingual presentations are available to service clubs, schools, business organizations, as well as senior, consumer and community groups.

Most popular presentations with suggested audiences and events include: **Edison: Past, Present and Future** - Fourth of July Events, Senior Groups, Civic Groups, Schools & Youth Clubs; **Electric Vehicles** - Civic, Business & Community Groups, Earth Day Events, Science Fairs; **New Edison Customer Service Program** - Civic & Business Groups, Community Groups; **Energy Conservation** - Civic & Community Groups, Schools & Youth Groups, Earth Day Events; **Edison & the Environment** - Earth Day Events, Natural Sciences Classes, School & Youth Groups; **Electrical Safety** - Safety Fairs, School Assemblies, Youth Clubs; **Alternate & Renewable Energy Resources** - Schools & Youth Clubs, Civic Groups.

Please contact VCREA for coordination of an event for your organization/group at VCREA.Admin@ventura.org or by calling 805-289-3335.

2009 Southern California Edison LED Holiday Light Exchange Program A Success

VCREA and utility partner SCE would like to extend thanks to the cities of Camarillo, Moorpark, Oxnard, Thousand Oaks and Ventura, as well as the Ojai Valley Green Coalition for their assistance and support with this year's program that exchanged 800 strands of LED holiday lights for inefficient strands throughout the region.

In addition to making the holidays brighter with new lighting technology provided by Light Emitting Diode (LED) lights, and saving energy since LED lights consume only a few kilowatts per strand as compared to traditional twinkle lights and strand lighting, these agencies took the responsibility for recycling/disposing of the inefficient strands.

Thank you to all the SCE customers who participated in this year's program, and remember to look for new LED lighting products at local retailers.



A Sempra Energy utility®

Southern California Gas Company 2010 1st Quarter NATE Certification Training Series

North American Technician Excellence (NATE) is the leading certification program for heating, ventilation, air-conditioning, and refrigeration technicians, and is the only test supported by the entire industry. Many customers place a high priority on locating a certified expert and being NATE qualified could give a real competitive edge to HVAC professionals. The Gas Company and IHACI are co-sponsoring this series of seminars specifically designed to help participants prepare for successfully completing the NATE Certification Exam. For the convenience of working professionals, these classes will be held on weekday evenings and be followed by an opportunity to complete the NATE Exam on a Saturday. There will be a fee payable to NATE for the exam; however, there is no charge for the preparation series.

Who should attend: Contractors, HVAC & IAQ professionals, HVAC system designers, Installers, and Service technicians.

Attend if you want to: Prepare for the NATE certification exam; Help yourself stay competitive in the HVAC/R industry; Expand your skills.

NATE Certification Schedule:

Core Module 1 (Seminar #22208)

Thursday, January 7, 2010

Core Module 2 (Seminar #22209)

Thursday, January 14, 2010

Gas Heating Part 1 (Seminar #22210)

Thursday, January 21, 2010

Gas Heating Part 2 (Seminar #22211)

Thursday, January 28, 2010

Air Conditioners and Heat Pumps: Part 1 (Seminar #22212)

Thursday, February 4, 2010

Air Conditioners and Heat Pumps: Part 2 (Seminar #22213)

Thursday, February 11, 2010

Air Distribution: Part 1 (Seminar #22214)

Thursday, February 18, 2010

Air Distribution: Part 2 (Seminar #22215)

Thursday, February 25, 2010

NATE Certification Exam

Saturday, February 27, 2010

9:00 a.m. to 1:00 p.m.

For NATE Certification Exam fee information, payment and registration, please contact IHACI directly by calling 1-818-551-1555, or emailing IHACI@IHACI.org.

Attendees must register for each part individually. Attending the entire eight-part series is strongly suggested.

Calendar of Events

<p>By Appointment VCREA Conference Room To schedule an appointment email: vcreea.admin@ventura.org or call: 805.289.3335</p>	<p>Energy Efficiency Design Review With Energy Projects Manager This design review will provide technical assistance, information and support to individuals who are in the early stages of remodeling or new construction of their homes and businesses. The focus will be on all aspects of energy efficiency in both residential and commercial buildings. Attendees should bring their plans and may invite their architects or building contractors.</p>
<p>Thursday, January 21 10:15 a.m. 1001 Partridge Dr., Suite 150, Ventura</p>	<p>VCREA Quarterly Board Meeting The VCREA Board meeting is open to the public. The agenda is posted on the website: www.vcenergy.org</p>
<p>Friday, January 29 (#24560) 8:30 a.m. to 12:30 p.m. Southern California Edison's Ventura Service Center 10060 Telegraph Rd., Ventura</p>	<p>Introduction to Lighting This beginning-level lighting class looks at ways to reduce energy usage and costs in your business through the proper selection of incandescent, fluorescent, and high-intensity discharge (HID) lighting systems. Improve your knowledge of light source technologies, performance characteristics, and their appropriate applications. (4 AIA HSW Learning Units). To enroll, and for more information visit the SCE website @ www.sce.com/energycenters.</p>
<p>February - TBD 9:00 a.m. to 1:00 p.m. Technology Development Center 5200 Valentine Road Ventura</p>	<p>2008 Title 24 Residential Workshop A survey of the latest requirements in the energy standards which go into effect January 1, 2010. Compliance methods and issues will be discussed.</p>
<p>Thursday, February 4 (#21994) 9:00 a.m. to 3:00 p.m. The Gas Company's Energy Resource Center 9420 Firestone Boulevard Downey</p>	<p>Understanding Boiler Basics This seminar provides owners and operators of boilers with an explanation of boiler controls, interlocks safety and combustion air requirements. It also covers techniques that may help improve boiler and distribution system efficiencies as well as energy efficiency. In addition, air quality and boiler operation guidelines will be discussed. (Part-1 of a two-part comprehensive program to help minimize operating costs while improving the energy efficiency of boiler operation). Register online @ seminars.socalgas.com or e-mail: ERC@socalgas.com</p>
<p>Thursday, February 25 (#21995) 9:00 a.m. to 3:00 p.m. The Gas Company's Energy Resource Center 9420 Firestone Boulevard Downey</p>	<p>Boiler Water Treatment for Energy Efficiency Owners and operators of boilers can learn how correct treatment of water can increase operating energy efficiency. Learn how to reduce chemical costs. Find out how to protect your boiler from corrosion, scale and biological fouling. (Part-2 of a two-part comprehensive program to help minimize operating costs while improving the energy efficiency of boiler operation). Register online @ seminars.socalgas.com or e-mail: ERC@socalgas.com</p>
<p>March - TBD 9:00 a.m. to 1:00 p.m. Technology Development Center 5200 Valentine Road Ventura</p>	<p>2008 Title 24 Non-Residential Lighting & Building Envelope Workshop A survey of the latest requirements in the energy standards which go into effect January 1, 2010. Compliance methods and issues will be discussed.</p>

Visit our website at www.vcenergy.org and go to the calendar of events for more detailed information on these and other free seminars—registration is required.

For more information and a complete listing of The Gas Company's Energy Efficiency training opportunities visit: www.socalgas.com/business/resourceCenter/ercHome.html.

For more information and a complete listing of SCE Energy Efficiency training opportunities visit: www.sce.com/RebatesandSavings/EnergyCenters/workshops.htm

VCREA Member Agencies:

- County of Ventura
- City of Ventura
- City of Oxnard
- City of Santa Paula
- City of Thousand Oaks
- Ventura Regional Sanitation District
- Ventura County Community College District
- Casitas Municipal Water District
- Ventura Unified School District
- City of Camarillo
- City of Fillmore

VCREA Mission

To establish Ventura County, its communities and neighboring regions as the leader in developing and implementing durable, sustainable energy initiatives that support sensible growth, healthy environment and economy, enhanced quality of life and greater self-reliance for the region by:

1. Reducing energy demand and increasing energy efficiency and
2. Advancing the use of clean, efficient and renewable local resources.



Calendar of Events

<p>Tuesday, March 2 (#22354) 8:00 a.m. to 5:00 p.m. The Gas Company's Energy Resource Center 9420 Firestone Boulevard Downey</p>	<p>Succeed at LEED (Advanced Class) Participants will learn how to manage a LEED project from first client meeting to final certification. This workshop requires basic LEED knowledge; and covers strategies for achieving the credits in typical and unusual situations, and draws extensively from the experience of instructors on over 100 LEED projects.</p>
<p>Wednesday, March 3 - Tuesday, March 9 (#21743) 8:00 a.m. to 5:00 p.m. The Gas Company's Energy Resource Center 9420 Firestone Boulevard Downey</p>	<p>AEE CEM 5 Day Class and Exam The CEM comprehensive course and exam is co-sponsored with AEE. Students who complete the course and receive a qualifying score on the exam and also have documented work experience can become a Certified Energy Manager (CEM). Exam will be conducted on day five, March 9, 2010. For fees and to register contact AEE through its website: www.aeesocal.org.</p>
<p>Tuesday, March 30 (#24576) 8:30 a.m. to 11:30 a.m. Southern California Edison's Ventura Service Center 10060 Telegraph Rd., Ventura</p>	<p>Edison's Energy Efficiency Incentives Overview Business customers interested in learning how to take advantage of SCE's incentive programs will want to attend this informative seminar. An overview of Edison's most popular programs: Express and Customized Solutions, and many more aimed directly at lighting, HVAC, and Foodservice equipment will be presented. Included is information about the "Technical Assistance and Technology Incentives", and the "Automated Demand Response Option". Participants will learn how to fill out the forms, what qualifies for rebates and incentives, who can receive them, program contacts, and how to contact the Account Manager. To enroll, and for more information visit the SCE website @ www.sce.com/energycenters.</p>
<p>April - TBD 9:00 a.m. to 1:00 p.m. Technology Development Center 5200 Valentine Road Ventura</p>	<p>2008 Title 24 Non-Residential HVAC & Building Envelope Workshop A survey of the latest requirements in the energy standards which go into effect January 1, 2010. Compliance methods and issues will be discussed</p>

All dates/topics are subject to change and provided to open discussion of regional interest and need.

TRAININGS AND BRIEFINGS AVAILABLE FOR YOUR BUSINESS/ORGANIZATION

VENTURA COUNTY REGIONAL ENERGY ALLIANCE REGULARLY PROVIDES TRAININGS AND TAILORED BRIEFINGS TO ENGAGE AND INFORM THE COMMUNITY OF THE IMPORTANCE AND NEED FOR ENERGY EFFICIENCY.

CONTACT US BY PHONE AT 805-289-3335 OR BY EMAIL @ VCREA_ADMIN@VENTURA.ORG TO DISCUSS SCHEDULING AN EVENT TO MEET THE SPECIFIC NEED AND INTEREST OF YOUR ORGANIZATION.



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VCREA worked directly with the County of Ventura and the cities of Fillmore, Ojai, Port Hueneme and Santa Paula in developing a comprehensive approach to fully leverage stimulus funds with utility incentives in order to reduce the energy costs on public facilities that will benefit all ratepayers and taxpayers alike. 40+ separate projects have been identified and evaluated. Among the projects anticipated will be the installation of new interior lighting as well as exterior building and parking lot light fixtures. Several cities will be replacing aged, malfunctioning and inefficient heat and air conditioning systems. Look for these lighting and HVAC improvements to be implemented throughout 2010.