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Energy Leader

A Publication of the *Ventura County Regional Energy Alliance*

Home of the *Ventura County Energy Resource Center*

“CHARITY BEGINS AT HOME”

Energy Auditing 101

Monday, May 18
5:30 p.m.

Presented by David Inger,
VCREA's Energy Projects
Manager

C4 (California Central Coast
Chapter of the U.S. Green
Building Council) 2009
Ventura Public Lecture
Series - Free and open to
the public - being held at

Patagonia Firehouse
280 West Main Street,
Ventura.

**The session will cover
how to identify energy
efficiency
opportunities in your
business.**

**For Information about
VCREA and Energy
Efficiency in the Ventura
County region**

Contact:

Cheryl Collart
Executive Director

David Inger
Energy Projects Manager

1000 So. Hill Road, Suite 230
Ventura, California 93003

Tel: (805) 289-3335
Fax: (805) 289-3111

Email:
vcrea.admin@ventura.org

Website: www.vcenergy.org

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The ARC of Ventura County provides a wide variety of services to developmentally disabled individuals in communities throughout the county. A funding priority for all non-profit community organizations is delivering most of the program budget to client services. Every dollar spent on overhead (including utilities) is a dollar denied to the agency's mission. Investments in energy efficiency will result in less energy costs and more money for program services.

The ARC's facilities director, Jim White, saw great savings potential at eight of ARC's facilities throughout the county. ARC partnered with VCREA and Sylvania Lighting Services to find energy projects. Lighting upgrades were identified that would reduce ARC's electricity usage by almost 150,000 kWh per year, saving an estimated \$24,000 in energy costs. The Ventura County Partnership Program provided over \$26,000 in incentives, or approximately 25% of the project costs.

ARC's lighting is a mix of what is found in many facilities,

such as offices, classrooms, workshops, storage, kitchens, etc. In each case there was an opportunity to not only reduce energy use but also to improve the lighting quality. In some instances new fixtures were installed; other locations received retrofits to existing fixtures. Each location was carefully reviewed for use with lighting controls such as occupancy and photocell sensors. Exterior lighting on building walls and in parking lots was also reviewed for potential upgrades.

Innovative new fixtures were used at several facilities. ARC's administrative offices in Ventura used 300-watt quartz fixtures to light up exterior signage at night. These fixtures were replaced with 24-watt LED (light emitting diode) floodlight fixtures. That is a **92%** reduction in energy use. Additionally, the new LED fixture has a rated service life of 50,000 hours, or more than 12 years of use. The older quartz lamps are rated at 2,000 hours; these "maintenance headaches" need to be replaced as often as every six months.

New parking lot fixtures were installed at ARC's Simi Valley facility on Cochran St. The old fixtures were replaced with new units using four small diameter T-5 fluorescent lamps. The new fixtures reduce energy use by more than 60%. Two of the four lamps are connected to a motion sensor. When there are vehicles or people in the area, all four lamps are on. When the lot is vacant, the motion sensors turns off two of the lamps. The lot is still lit, but at a greatly reduced use of energy. When the sensors are triggered by the presence of vehicles or people, all four lamps are turned on.

ARC's Jim White realized that energy efficient lighting not only has a short payback, but that the savings persist over time. Over a five-year period ARC will benefit from over \$100,000 in energy savings; in ten years, it will be close to a quarter of a million dollars.

VCREA encourages all non-profit organizations who would like to follow Jim's example to contact us. We can help you find ways to keep your scarce dollars at home.

Update Your Contact Information Online @ www.vcenergy.org Please go online to register or update your contact information to receive Energy Leader newsletter and training seminar "Email Blasts"

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

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

www.vcenergy.org



2009 Calendar of Events

<p>By Appointment VCREA Office To schedule an appointment email: vcrea.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 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>Tuesday, May 12 (#22430) Tuesday, June 30 (#22431) 8:00 a.m. to 12:00 p.m. Southern California Edison "On-Line Training Course"</p>	<p>Introduction to the California Solar Initiative (CSI) "On-line Training" These courses are designed for Photovoltaic (PV) installers, self-installers, managers, and PV owners, and features new and updated information on the CSI program. Learn how to complete the CSI forms, take advantage of SCE's rebates on fixed and tracking photovoltaic (solar energy) systems, and interconnect to the grid. Other topics include metering, monitoring, shading issues, and CSI's "New" on-line power clerk database. For a complete listing of SCE Energy Efficiency training opportunities visit: www.sce.com/RebatesandSavings/EnergyCenters/workshops.htm</p>
<p>Tuesday, May 13 (#20469) 9:00 a.m. to Noon (#21062) 1:00 p.m. to 4:00 p.m. The Gas Company's Energy Resource Center, Downey</p>	<p>High Performance Schools: CHPS (#20469) will release the 2009 edition of the California CHPS Criteria. Learn about new credits and how this edition will work with the CHPS Verified Program and Prop. 1D funding. CHPS High Performance Relocateable Classrooms and Sustainable Products Database (#21062) Participants will learn about two new programs developed by CHPS, released in 2009. For more information on this series and a complete listing of The Gas Company's Energy Efficiency training opportunities visit: www.socalgas.com/business/resourceCenter/ercHome.html</p>
<p>Tuesday, May 19 (#20488) 8:00 a.m. to 1:00 p.m. The Gas Company's Energy Resource Center, Downey</p>	<p>Southern California Gas Company's 4th Annual Energy Efficiency Expo - "Energy Efficiency: An Answer to a Weak Economy" (#20488) Learn how the recent economy and political changes could impact your business. To register contact your account executive. Call 1-800-427-6584 and select option #1. Register online at http://seminars.socalgas.com</p>
<p>Tuesday, May 19 9:00 a.m. – 12:00 p.m. Technology Development Center 5200 Valentine Road Ventura</p>	<p>2008 Title 24 Residential Building Code Update Training Workshop This session is designed for building officials, architects and contractors. Participants will learn the main difference between the 2005 and the new 2008 Standards; new mandatory requirements; new prescriptive package requirements; mandatory continuous ventilation requirements; and, changes in glazing and lighting requirements.</p>
<p>Wednesday, June 3 8:30 a.m. to 12:30 p.m. Southern California Edison Energy Resource Center 10600 Telegraph Road Ventura</p>	<p>Compressed Air System Efficiency (#20115) Plant and production managers, engineers, and maintenance professionals will learn about the types of compressed air systems, components, typical applications and operations, maintenance procedures, multiple compressor system strategies, and energy-saving opportunities and practices. For more information on this class and a complete listing of SCE Energy Efficiency training opportunities visit: www.sce.com/RebatesandSavings/EnergyCenters/workshops.htm</p>
<p>Thursday, July 16 10:15 a.m. 1001 Partridge Drive, 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>

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.



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