

**Ventura County Renewable Energy Symposium**  
**Meeting at California State University Channel Islands**  
One University Drive • Camarillo, California 93012-8599

Date: July 12, 2007 • Time: 10:30 am to 11:30 am  
Meeting at: CSUCI Lindero Hall Conference Room  
California State University Channel Islands

**Purpose:** Discuss and Plan a Ventura County Renewable Energy Symposium - "The Growing Renewable Energy Economy" • A Business, Education, and Community Partnership Project.

**Symposium Goals:**

- The Symposium will provide public and business awareness of Renewable Energy resources in Ventura County.
- Provide a show case opportunity for Renewable Energy Businesses in Ventura County.
- Provide an assessment of future growth and development opportunities for Renewable Energy.
- Explore Renewable Energy benefit use by Cities, County and businesses.
- Discussion of Green Campus goals and objectives.
- Clean Environment and Conservation energy goals.

**Proposed Lead Sponsors:**

The Ventura County Regional Energy Alliance (VCREA) and/or the Ventura County Economic Development Association (VCEDA).

**Preliminary Symposium Planning Group:**

**Business:** VCREA, Cheryl Collart, Executive Director; Bill Buratto, President/CEO and Rudy Gonzales, Public Relations Edison International.

**Education:** CSUCI - Environmental Science and Resource Management Program, Dr. Don Rodriguez, Chair and Pilar Pacheco, Service Learning and Civic Engagement.

**Community:** Carmen Ramirez, CAUSE; Dave Rodriguez, LULAC, Lupe Anguiano, Volunteer, Protecting our Environment.

**July 12, 2007 • AGENDA (DRAFT)**

1. Welcome and Introductions: Don Rodriguez, Chair, CSUCI Environmental Science and Resource Management.
2. Renewable Energy Symposium – Background Information: Don Rodriguez and Lupe Anguiano.
3. Organization and Lead Symposium Sponsors – VCREA, Cheryl Collart and Bill Buratto.
  - Financial Support for Symposium.
  - VC Renewable Businesses.
  - Education – Green Campus Component.
  - Community – Advocates for Renewable Energy.
4. Next Steps --- To do list

## About Green Campus

The Alliance to Save Energy's Green Campus Program is currently in place on twelve California university campuses: Humboldt State, Sonoma State, CSU Chico, UC Berkeley, UC Merced, UC Santa Cruz, UC Santa Barbara, CSU San Bernardino, Cal Poly Pomona (in development), UC Irvine, UC San Diego, and San Diego State University.

Our nation's institutions of higher education spend a significant portion of their annual operating budgets on utility services, diverting funds from valuable programmatic and community-building activities. The Alliance to Save Energy's Green Campus Program is leading the way towards campus sustainability by bridging the divide between students and institutional energy costs. Through Green Campus, students are working to save energy on campuses by building general campus awareness, incorporating energy conservation and efficiency into course curricula, and implementing projects targeting energy use, student purchasing decisions, and operational changes.

### Program Goals

- Design and implement student-led campaigns that result in measurable energy savings;
- Create effective and lasting student-staff partnerships that lead to systemic and sustainable energy efficiency;
- Foster environmental stewardship by raising campus awareness about the relationship between energy and the environment;
- Develop replicable energy education curriculum and integrate it into academic offerings.

### Program Structure and Resources

- Green Campus interns work closely with administrators, faculty, and staff to create a strategic plan that addresses each of the program's goals and is uniquely tailored to the needs, challenges, and strengths of their school.
- Green Campus is a student-driven program; each Green Campus school has funding for forty hours of intern time per week.
- The Alliance to Save Energy recruits, selects, and oversees between two and four interns per campus; with supervision from Alliance staff, and input from campus staff, these interns are primarily responsible for the day-to-day implementation of Green Campus at their school.
- The Alliance supports Green Campus interns through continuous remote consultation, regular on-campus visits, and bi-annual program-wide convergences.
- Interns at Green Campus schools have an operating budget that they use to secure space for events, incentivize student conservation, and purchase new metering equipment.

### Program Rationale

- Educational campaigns can result in significant energy savings by changing behaviors and purchasing decisions.
- Students are effective advocates on college campus, able to reach their peers and high-level decision makers.
- Students can offer valuable assistance in greening campus operating procedures; student research can defer information gathering costs inherent in switching from conventional to more sustainable practices.
- Green Campus enriches students' educational experience while allowing them to take more responsibility for campus operations.

## Green Campus Program Research

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Following is a synthesis of information gathered through phone interviews to campuses who currently have the Green Campus Program at their University. We were interested in knowing the following:

- How is your Green Campus program funded?
- Can you tell me about the various student-led activities around energy savings? Energy awareness?
- Have faculty been able to replicate energy education curriculum and integrate it into academic offerings. If so, can you tell me a little bit about the courses?
- What is the organizational structure of your Green Campus program? Is it student led?
- Have you been able to form alliances with other Green Campus Programs?
- Do you have partnerships with other organizations, community based organizations
- What type of student involvement is there on campus around the Green Campus program?
- What is the application process like for a university?
- What type of meeting topics do you have and how are the meetings structured?
- What have been challenges?
- Successes?
- Lessons learned

### Green Campus projects and activities led by students:

- Energy Ninjas that patrol the campus at night after faculty and staff have left, looking for energy waste violations, and then giving out a ticket in the shape of a door hanger to the perpetrators to let them know what they could do to save energy.
- Fume Hood Project is where interns ask lab managers to shut off fume hoods on campus when they are not in use. Turning off one fume hood could save as much energy as three houses in one year.
- Every semester we have CSL exchange, that's where they have a table set up and we trade light bulbs for free CSL light bulbs.
- There are Office audits, where they go to all offices on campus and take watt meters and measure how much energy they use and send them a report of how they can reduce that by 30% and also buy them more energy efficient electronics to save energy
- Power management software, where we installed software with sleep mode to save energy and things like that and put in on every computer we could. We figured out that just by installing this software we were saving the school \$1500 annually just from the computer lab.
- Green Cup card, which supports using reusable containers, and participants get stamps that are later raffled for prizes.

## **Related Courses & Degree Programs:**

- Environmental Studies
- Donald Bren School of Environmental Science & Management
- Geography
- Global & International Studies
- University Leaders for a Sustainable Future
- Resource Page on Sustainability Degree Programs
- Arizona State University  
School of Sustainability
- Education for Sustainable Living Program (ESLP)

## **Organizational structure of your Green Campus program:**

The Green Campus Program is student led. Under the alliance to save energy, interns have to be students, full time, and 3.0 at least. There are 3-5 student interns, known as program coordinators. Each coordinator works about 10 hours a week; they have responsibilities to make sure they develop ideas and work with their stake holders. Lots of the ideas are from the students, but the staff and faculty are needed to follow through with ideas and plans. Student interns have partnerships with the entire campus and other campuses as well. Students have the most responsibility, but there are a lot of other people on campus to consider. So Students are the ones doing the projects but they have direction from the managers when making decisions and talking to faculty members, so it's a team effort to work together.

## **UCSB Sustainability Conference: June 24-27, 2007**

Define sustainability as:

*Meeting our own needs of the present, without compromising the ability of future generations to meet their own needs, particularly with regard to use and waste of natural resources. Sustainable practices support ecological, human, and economic health and vitality. Sustainability presumes that resources are finite, and should be used conservatively and wisely with a view to long-term priorities and consequences of the ways in which resources are used.*

UCSB hosted the sixth annual UC, CSU and CCC Sustainability Conference with over 850 people in attendance. The conference brought together administrators, faculty, staff and students from various University of California, California State University and California Community College campuses to discuss each institution's impact on the environment as well as ways to lessen each school's detrimental impact on its surroundings. The event also featured several keynote speakers and honored current leaders in environmental sustainability.

The goal for this conference is to share ideas, learn from each other's expertise and best practices, build collaborations and begin a dialogue that will definitely continue long after the conference is over. Together we will put ideas into action to help create a sustainable future for our world.

The conference highlights the sustainability champions throughout California campuses giving them the opportunity to share how they were able to reduce their university or