

OFFICE OF GREEN U

[@ UC Irvine]

Save the Date:

- Look out for Green Campus emails over the summer. Although school won't be in session, interns will be continuing projects and updates throughout this time.

Points of Interest:

- Green Campus wins an Anteater Award!
- Learn about the new office audit program and the Lucid competition

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Watts Up?! Energy Auditing Begins in Offices at UCI

By Henna Pithia

Green Campus interns have bravely taken on another project in the last upcoming weeks of the quarter. The new Office Auditing project consists of interns going into offices on campus in order to make faculty working in these facilities more aware of how they can reduce the amount of energy they are using in the workplace. In order to do so, Green Campus interns will be using tools from the auditing kit, which they

received at the annual Energy Efficiency Summit in January, such as the Digital Light Meter and the Watts Up, to measure energy usage by items such as printers, lamps, etc. Interns will point out the benefits of a surge protector in combating phantom loads, and also the massive amounts of energy being used by individual mini-fridges and printers. Interns will also be

asking staff and faculty in the audited areas to fill out an online survey which will help interns understand how they can address behavioral changes that need to be made in the specific office. Interns begin their first auditing session on Wednesday, June 2, in one of the physical sciences buildings on campus. After auditing the office, compiling the data, and observing the

answers to the online survey, interns will either send a list of recommendations or give a presentation to the office, which will help faculty understand how they can personally reduce the amount of energy being used in the office. Green Campus interns hope that by spreading awareness in the office, more students and faculty members will take the facts learned from auditing and apply them to other areas on campus and to their daily lives.

“Office Auditing is important in affecting behavioral and cultural changes in energy consumption.”
- Intern Henna Pithia



Pictured: Tools such as an infrared thermometer, digital light meter, watts up, and Kill a Watt, that will be used during office Audits.





An Energy Competition? It's Lucid!

By Bogdan Rusu

Green Campus plans to sign up UC-Irvine for the Campus Conservation Nationals (CCN), put together by the Alliance to Save Energy and Lucid Design Group. The CCN is a 3-week- competition scheduled for November 2010, in which energy consumption is recorded for different campuses all over the country. The idea is straightforward: the campus that shows the most % reduction in energy savings over a 3 week period wins the competition .

The goals set forth by Lucid Design Group,

and the Alliance to Save Energy, are the following: Engage, educate, motivate, and empower students to conserve resources in their residences.

On most university campuses, and especially research schools like the ones within the UC system, the activities that take place in on-campus buildings typically account for the vast majority of energy and water use. The greenhouse gas emissions associated with the institution's ecological footprint have a powerful connection with the way in which energy is being consumed within the on-campus structures.

While most schools work to upgrade infrastructure in the effort to increase efficiency, chang-

ing the behavior of the building occupants can be just as critical and is not always addressed by the University. Helping others understand how they can change their behavior is one of the most important components of conservation , and is also one of the key aspects of the Green Campus Program.

It is the interns' belief that as a student organization that pursues the implementation of energy efficiency behavior, the CCN competition will offer valuable educational opportunities, as well as environmental and economic benefits.

Pictured to the Left (top to bottom right): Lucid's Compete to Reduce logo, Lucid's main logo, intern Bogdan Rusu measures a water meter, another Lucid Logo.



Green Campus Celebrates at Anteater Awards

By Bogdan Rusu

Green Campus interns were delighted to find out that their residential hall education program, recently given the name "Sustainable U," received the award for best educational program at the annual Anteater Awards Ceremony.

With 500+ clubs on the UC-Irvine campus, the Anteater Awards is the celebration and opportunity to recognize the efforts and achievements of UC Irvine's organizations. Green Campus was present at the 2010 Anteater Awards, hosted on Wednesday, May 19th in the Crystal Cove Auditorium of UCI's Student Center. Performances by on campus organizations such as Claire de Lune, an Acapella group,

were amazing , and it was exciting to stand next to other great campus organizations, and applaud them for their achievements.

Green Campus interns are grateful to have such a capable team and exceptionally involved for credit interns and club members. Our accomplishment was made possible by team efforts. Green Campus interns would like to thank interns and club members for their hard work .

Interns are still trying to figure out where they will place the award, but they talked about how it would always serve as a reminder of the interns' hard work and dedication to making a program like 'Sustainable U' into an effective mechanism in combating energy consumption.

In the fall, interns will bring the award to club meeting in the hopes that it will show club members what Green Campus achieves each year.



Pictured above from left to right: Green Campus interns Henna Pithia, Cynthia Leung, and Bogdan Rusu take a picture representing Green Campus before heading to the Anteater Awards Ceremony.

Dreaming of A Green California

By Cynthia Leung

Last month on April 30, Green Campus sponsor Southern California Edison hosted the *Green Dream – the Future of Sustainable Careers* summit in its Customer Technology Application Center (CTAC) in Irwindale, CA. The event featured Southern California Edison’s president, John Fielder, in a keynote address, and two panel discussions. The first panel – “Millennial Green: What Tomorrow’s Work Force Needs to Know” – addressed the different aspects of the green field that college student should prepare for and the second panel – “Job TBD: Preparing for Green Careers That Don’t Exist” – addressed the skills and knowledge college students could learn to prepare themselves for Green Careers that they themselves may create.

Two interesting points of advice came from Dee Patel and Gene Rodrigues. Dee Patel, CEO of GoGreenSolar stated that “Mentorship is key.” Patel emphasized that students should be open to opportunities as they present themselves and to find a good educator who would be able to inspire and guide them to their future careers. Secondly, Gene Rodrigues, the Southern California Edison Director of Customer Energy Efficiency & Solar said to the attendees, “Don’t let your degree define who you think you will be. It is not your education that will define your green career. It is your *ambition*.” As a graduated philosophy major, he wanted to demonstrate that a student’s college major shouldn’t limit the student to a specific field, but more rather provide skills to

the student that will open the doors to other career opportunities.

Green Campus interns from CSU San Bernardino, Cal Poly Pomona, and UC Irvine joined together to participate at the event and introduce attendees to the Green Campus program, and what they are doing to promote green careers to students. With the coordination of Green Campus’ Southern California Edison representative Carlos Hernandez, interns were successful in reaching out to many attendees, including 15 who officially signed up to learn more about Green Campus. Events similar to this one will help bridge the gap in the future between college students and green jobs, creating the next generation of the green workforce.



“Don’t let your degree define who you think you will be”

**- Gene Rodrigues,
Southern California Edison Director of Customer Energy Efficiency**

Pictured Above:

Green Campus intern Cynthia Leung takes some snap shots at the Southern California Edison Future of Sustainable Careers Summit in Irwindale, California. Speakers talked about the types of jobs available to those interested in the green career field.



TYPES OF JOBS

Solar job types range from:

- Solar installation and maintenance: \$29,000 to \$42,000/yr – HS Diploma/Certificate
- Solar energy systems Designer: \$45,000 to \$60,000/yr – Trade school or Apprenticeship
- Solar Operations engineer: \$60,000 to \$100,000/yr – BS Electrical engineering and professional registration (s)

Tips by SCE

HAVE YOUR TIPS ANY WAY YOU LIKE THEM

Green Campus Learns Energy Auditing!

By Cynthia Leung

In the past month, the Green Campus team hosted its first ever energy auditing workshop for its club members! The Green Campus auditing kit, which includes watt meters, a light meter, an infrared thermometer and other tools, was used to train the club members on how to use the tools.

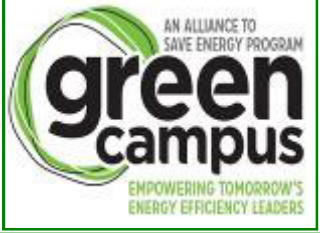
At meetings on May 12 and 19 members were introduced to the different tools and their uses after watching “The

Phantom Hunter”, a humorous energy auditing video starring UC Irvine’s Green Campus lead, Jeff Steuben! Interns provided information on the tools and later pointed out where in the video the tools could be used when auditing a room.

For the last club meeting of the quarter, members had the opportunity to practice using the auditing tools hands on with common appliances found at home such as a halogen desk lamp, a laptop, and cell phone charger. One of

the important lessons learned using the infrared thermometer was how much heat energy is wasted by using a halogen bulb. The room temperature measured at 70 degrees Fahrenheit, while the small bulb in the desk lamp measured about 110 degrees Fahrenheit. For-credit interns also demonstrated their skills by working with the Kill-a-Watt meter and light meter.

These tools will be used in upcoming auditing projects such as office audits and the Anteater Recreation Center energy audit!



DID YOU KNOW?

Phantom loads cost the U.S. \$10 billion = 11,000,000 extra cars on the road = shutting off 30 coal power plants = production of over 50 million tons of CO2 in the U.S (www.vampirepowersucks.com)

May Metrics Report

- The Fume hood Competition saved 1400 kWh of energy
- 45 people attended club meeting
- 16 people watched the famous “Phantom Hunter” video on YouTube

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Green Campus for-credit interns and club members learn how to use tools from the energy auditing kit such as the digital light meter (left) and the infrared thermometer (right).



Students Warm up To Cold Water Campaign



By Kelly Li

Who would have known that 90% of the energy used in laundry goes to heating the water? Most students do not know the facts about the washer and dryers, and don’t realize the impacts of their laundry habits. Green Campus is

implementing a campaign to promote using cold water laundry settings instead of hot. The main focus of the project is to raise awareness among UCI students about the benefits of washing their clothes with cold water and convince them to change their practices. So far, the Green Campus team has created stickers that can be stuck on washers and dryers that inform the reader about sustainability in laundry practices. The stickers persuade that cold water settings not only benefit

the environment but also reduce wear and tear on clothes. These stickers are only the first step towards promoting laundry efficiency. Beginning fall quarter 2010, more activities associated with Green Laundry project will be implemented. Through this project, Green Campus hopes to establish new, more sustainable, norms at UCI starting with the incoming freshmen.

Pictured Left: Tentative energy conservation sticker for laundry machines at UCI