



OF GREEN @ UC Irvine

Save the Date:

- On November 19th Green Campus will be part of the tree planting in Aldrich Park from 12-4pm

Points of Interest:

- Meet our Stakeholder of the month!
- Hear all about the stakeholder meeting
- Green Campus Hogs the Spotlight at Shocktoberfest

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First Quarterly Stakeholder Meeting

By Cynthia Leung

On October 8, Green Campus hosted its first stakeholder meeting of the 2009-2010 school year. The focus of this stakeholder meeting was to brainstorm with staff and faculty on new project ideas for the upcoming year. A total of seven stakeholders attended, with representatives from Facilities Management, Environmental Health and Safety (EH&S), the Anteater Recreation Center, and Campus and Environmental Planning. Here are a few of the project ideas that will be put into

action this quarter: Restroom Audits: Green Campus interns will be tackling a location that no other intern has audited before... RESTROOMS! Matt Gudorf, UC Irvine's Energy Manager, suggested the idea of conducting restroom audits. This project would focus on water & energy efficiency in the many restrooms on campus. By auditing

and inventorying the fixtures, Green Campus interns will be working in collaboration to pinpoint the inefficient toilets, urinals, and sinks, as well as lighting and the presence of occupancy sensors. LEED EBOM: Intern, Kelly Li, will be working closely

first steps towards making Croul Hall greener. Parking Lot Light Audit: Green Campus interns will be working again with Matt Gudorf to measure the brightness of parking lot lights and street lights at various times of the day. This project would

the effectiveness of fume hood stickers that measured energy usage based on the height of the fume hood sash. These stickers were green on the bottom, at the level where the sash was closed, to signify good energy savings, and changed color to yellow and red and the sash height increased. These stickers would be placed on the sides of the fume hood sashes. The study's results were that these stickers created a significant change in behavior among lab researchers at UC Davis. The intern team hopes to bring these stickers to UC Irvine and continue their work on energy savings from fume hoods in

The Stakeholder Meeting in a flash

- Restroom Audits
- LEED EBOM
- Parking Lot Light Audit
- Fume Hood Energy Thermometer Stickers

with a new LEED team in efforts to LEED certify Croul Hall, a research building at UC Irvine. LEED stands for Leadership in Energy and Environmental Design, and is a recognized green building certification system. UC Irvine currently has six LEED Gold buildings on campus and is working to certify nine more buildings. The team will be meeting in the coming week and will soon be kicking off their

consist of interns laying out a grid and measuring the amount of light, in foot candles, that each spot on the grid receives. This audit will be crucial in comparing the differences between old fixtures and new energy efficient ones post-retrofit. Fume Hood Energy Thermometer (not sure if this is the right word for it) Stickers: A study was done in UC Davis on

labs. The meeting was a great success with the many ideas contributed by Green Campus' stakeholders. Now, the intern team will be putting them into action. Stay tuned for the results!



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STAKEHOLDER of the Month: Matt Gudorf



By Bogdan Rusu

The Green Campus Program would like to acknowledge Matt Gudorf, the new Campus Energy Manager. Matt has been very cooperative and helped Green Campus develop new exciting projects. Through his involvement, Kelly Li, one of the program interns, was able to secure her involvement with a LEED project happening on the UCI campus. Bogdan Rusu, another intern, is setting up a lab fume-hood campaign to save energy by introducing fume-hood stickers. Lastly, Cynthia Leung is working on gathering useful data by performing restroom audits on campus; the data will play an important role in determining which restrooms need to be retrofitted, resulting in water conservation and savings. Matt Gudorf has been exceptionally responsive in setting up meetings with the Green Campus project coordinators, thus bringing about new projects and new project ideas including taking advantage of rebates when carrying out retrofits.

Green Campus Heads to Puente



By Henna Pithia

On October 20th Green Campus intern Henna Pithia, along with three Green Campus for-credit interns, headed to the first year residence Hall, Puente, in Mesa Court to put on their first Sustainable U program of the quarter. After much deliberation this past summer, interns decided to make a more defined program outline for the residence hall educational series. Although quite similar to last year's programs, this year's educational series focuses more on individual participation rather than lecturing. Interns started off with the famous ice breaker "Green Sin", in which residents go around the circle and say their name, major, year, and one thing that they do which isn't good for the environment. After doing this interns played the "Cross the Line" game, in which each resident makes a statement such as "cross the line if you recycle bags." If one recycles, he or she crosses the line and comes back. This activity helps interns become aware of some of the behavioral changes that they can help make in the dorms. After playing these games, resident participation is usually very high and they feel comfortable asking questions about green facts, such as "How long should my shower be?", or "What kind of light bulb should I be using?" After completing these social activities, interns read over the facts and helped residents relate them to their lives. Interns talked about how Puente had a hydration station which helped promote reusable

bottles and how Puente also had CFLs installed to help reduce the amount of energy being used. Interns also used a system of stations to help residents be active participators. Interns started off by having one station in the living room where students could sign a pledge to make a change in their hall. The second station was in the RA's room where interns helped carry out an audit. Residents were quick to point out green sins such as the phantom loads left on by the RA's cell phone charger. Interns then moved on to trivia questions, in which they gave out free t-shirts, a free book, and free buttons. Last, but not least, interns asked residents to play a game called "the Privilege Walk". Usually for this activity, facilitators read statements pertaining to social issues, but since interns were talking about green living, residents held hands and took one step forwards for statements such as, "take a step forward if you will now turn off the lights when you are not using them". Some residents took a step forward and others didn't. This helped fellow hall mates gage each other's "green" level so that they knew how, and in what ways they could help and motivate each other to make a difference in the hall. Although the program only received about 8 residents, it was a very big success in that residents walked away knowing how they could make a difference, and by the end of the program, many residents who at first had many green sins, were all the way at the front of the privilege walk after learning about all the ways in which they could save energy and water in Puente.

A Conscious Connection



Sustainability Organizations on campus through up their "zot" signs as the Conscious Connection meeting comes to an end.

By Henna Pithia

On September 29, sustainability organizations from all over UC Irvine's campus came together to talk about future avenues of collaboration and to spread the word about green works on campus. Student environmental activist, Kenny Teeter, helped put the meeting together during summer. The program opened up with a huge potluck, with every group on campus bringing either a side dish or main meal ranging from lasagna to chips and dip. In an effort to host an even in line with the group's values, there were also biodegradable cups, forks, knives, and plates. Whilst filling up their tummies, guests and group members

circulated the room hopping from group to group getting information, signing up for newsletters, and becoming aware of how they help each other carry out environmental projects on campus. After the mingling, presentations began. Groups ranging from Real Food Challenge to Public Health Brigades, to Global Connect presented. Green Campus also presented at this meeting. Interns Cynthia Leung and Henna Pithia talked about For-Credit internships and went over a brief summary of current and past projects such as office audits, the Sustainable

U Program, and club meetings. After the presentation interns stayed behind for a while to discuss the program more in depth with eager freshman, some of whom were from the first year residence hall, Vista, the Sustainability hall in Mesa Court. Overall, the meeting was a huge success that strengthened the bonds between environmental groups on campus and helped Green Campus interns branch out to all members of the community and spread the word about energy and water conservation!



Interns take a walk through the ARC in order to figure out how they can save energy!

By Cynthia Leung

On the morning of Friday October 15th, eight former and current Green Campus interns were given an exclusive tour of the Anteater Recreation Center (ARC) mechanical systems by the ARC facilities manager, Greg Rothberg. The ARC was first built eleven years ago, and although the original building is not LEED certified, the new extension of the ARC, added in 2009, is certified LEED Gold.

A Walk Through the ARC

The tour helped give interns a background of the building that the intern team will be auditing in the coming quarter. Interns learned that most of the energy used in the ARC goes towards lighting and Heating, Ventilating, and Air Conditioning, commonly referred to as HVAC. Greg Rothberg showed interns the boiler rooms, chiller rooms, air handling system, pool system, and even the top of the roof of the ARC to see the building's solar panels!

The magnitude of the systems needed to run the ARC was pretty interesting. The ARC relies on its own systems due to its remote location from the main campus. The tour was definitely a great learning experience for all participants. On behalf of the Green Campus team, thank you to Greg Rothberg for showing our group around the ARC on a very exciting and interesting tour!



Green Campus Hogs the Spotlight

By Kelly Li

This year, Associated Students of UC Irvine (ASUCI) allowed more clubs to participate in the annual carnival at UCI, Shocktoberfest, which took place on Friday, October 15th. This festival, in which DJs and bands come and put on a concert at UCI, gives Green Campus a great opportunity to be part of this fun and exciting

experience. During the event Green Campus intern wore the Energy Hog costume to show our spirit, countless students were curious about the Hog and what he represented. They asked questions about how to save energy as well as how they could be involved in the Green Campus Program. The Energy Hog has drawn a lot of attention for this tabling

event. Even the KCAL 9 News Channel photographer was taking pictures of the Hog. It was a great publicity technique to make the students excited about conserving energy. We received a lot of positive feedback from students as well as faculty members. Overall the Energy Hog at the Shocktoberfest definitely left some memorable moments.



“This year, interns are going to collaborate with the facilities management department to complete the parking lot audit”

Green Campus Trains it's Interns and Club Members

By Kelly Li

Among Green Campus's list of new projects, energy auditing has come up repeatedly. Thus, interns see fit to start club meetings off with energy audit training programs for the for-credit interns and club members. When dealing with so many energy auditing projects, it is very important to

train interns to know how to use the audit equipment and follow good auditing methods. One of the pieces of equipment interns used during audits was a light meter. It can test out the brightness of the light and measure it according to foot candles. The watt meter is also used for indoor audits; it can test out the amount of watts an

electronic consumes while it is plugged into the wall. This year, interns are going to collaborate with the facilities management department to complete the parking lot audit, which involves in the process of collecting data at different times of the day to determine how to maintain brightness in the parking lots without over-lighting.



- October Metrics program / # of people**
- Sustainable U—8
 - Club Meeting—40
 - Reached by Tabling—80
 - Arc Tour-8
 - Intern Training-5

Campus Conservations

By Bogdan Rusu

The water saving competition between Vista Hall and Palo Hall is beginning! It will be announced to the residents during week 5 of Fall quarter. The halls will be competing against each other within the UCI frame, but they will also compete with hundreds of other halls from many different campuses around the country. This national competition is being spearheaded by the Lucid Design Group in partnership with the Alliance to Save Energy and other organizations. Lucid developed an useful medium of keeping track of

energy and water consumption of different halls through their ingenious on-line dashboards. The UC Irvine building dashboard can be visited at <http://buildingdashboard.net/uci/>.

All participating halls are recording their energy and water consumption by taking readings and inputting them in their own dashboards. UCI will only be participating with water readings, as only water is individually metered. Green Campus interns will be taking readings during November on the following dates: 1st, 5th,

12th and the 19th. The national winning hall has a chance of receiving a 32-inch touch screen real-time dashboard as the grand prize. Other prizes include compact florescent light bulbs, “Lights Out Green In T-shirts” sweat bands, stickers, and even more. UCI’s Green Campus Program will award the winning UCI hall with an ice cream party for an extra incentive! Save that water! Good water saving habits include taking 5-minute showers and switching the tap off when brushing your teeth. Good luck to Vista and Palo!

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