



# the GREEN U

[@ UC Irvine]

## Save the Date

- Wednesday, 5/7/08: Green Campus hosts a screening of "Who Killed the Electric Car"
- Wednesday, 5/14/08: CFL Exchange in Arroyo Vista
- See Alyssa Penacho, Samantha Kao and Courtney Gill on KOCE:

Sunday, 5/11 at 11:30 am

Wednesday, 5/14 at 7:00 & 11:30 pm

Thursday, 5/15 at 8:30 am

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## Celebrating Earth Day by Taking the Stairs

By Alyssa Penacho

In honor of Earth Day on April 22, 2008 Green Campus organized a "Take the Stairs Day" event. Members of the Green Campus Program tabled in front of the Science Library where there are three frequently used elevators. We encouraged students to take the stairs on campus instead of the elevators, and passed out CFLs to save energy.

Students and faculty were asked to sign a pledge to take the stairs that day instead of the elevator to save 5.5 kilowatts per elevator ride. 100 people agreed to sign the pledge. If we assume each person would have ridden the elevator at least once that day, a total of 550 kilowatts of energy was saved! It was great to hear many of the participants say that they already take the stairs

instead of elevators everyday.

Green Campus was also able to give away 48 CFLs that day. Assuming each 23 watt CFL was used to replace a 60 watt incandescent light bulb, and that each light bulb was used for 4 hours a day, a total of 2593 kWh will be saved each year. Additional students asked for CFLs even after we had run out, showing that the CFLs were in high demand.

Overall, Take the Stairs Day was very successful. We received a lot of enthusiastic participation from



Kong Sham, Max Broad, Courtney Gill, Alyssa Penacho, and Steven Katigbak illustrate how to take the stairs.

students and faculty. We were able to show many people that helping the environment for Earth Day by using the stairs can be a very easy thing to do. And it's healthy too!

## A Bright Idea for Middle Earth

By Courtney Gill

On Wednesday, March 5, the Green Campus Program held a CFL exchange in the Middle Earth Housing Complex.

The exchange was a great success. Green Campus Interns, club members and for-credit interns set up a table in front of Pippin, the dining commons of the housing complex, just around dinner time. We were able to exchange all 113 of the CFLs

that we brought to the event.

Students signed a pledge form stating that they would use the CFL to replace a light bulb in their dorm rooms. Most students stated that they used 60 watt bulbs, but some used up to 90 watt bulbs. Assuming each 23 watt CFL was used to replace a 60 watt incandescent light bulb, and that each light bulb was used for 4 hours a day, a total of 6104 kWh will be saved each year. Many students were excited to receive the free CFL and

thought our organization was making a positive impact.

At the end of our exchange, the manager of Pippin visited our table and asked if we would be able to exchange light bulbs in the dining commons as well. We hope to carry out that project during Spring Quarter.

Green Campus was pleased at the success of the exchange, and we will continue to hold CFL exchanges at different housing complexes in the spring.



Alyssa Penacho, the newest addition to the Green Campus Team.

## Welcoming Our Newest Green Campus Intern...

By Courtney Gill

We are proud to announce that Alyssa Penacho is the newest addition to the UC Irvine Green Campus Team. Alyssa is a third year Ecology and Evolutionary Biology major. She has been an active member of the Green Campus Program for over a year and has participated in many club events as well as in the Green Campus for-credit internship.

"I'm really excited to be joining the Green Campus Program as an intern. I really want to educate people about

energy efficiency on campus. I am so glad to have this opportunity."

Alyssa is involved in many ways on campus. She participates in Biology 199 Research under Dr. Lynn Carpenter studying reforestation in Costa Rica where she will be conducting her own research this summer. She is a member of the Anteatr Mentorship Program and also works as a Campus Representative, giving tours of UCI to prospective freshmen.

"My experience as a Campus Representative gives me a unique knowledge of the

university. I feel this will aid me in implementing projects and I hope my knowledge will be able to help other interns' projects as well."

Alyssa is starting as an intern Spring Quarter and will be continuing through next year. The Green Campus team is looking forward to working with Alyssa.

"The Green Campus Program makes a great impact on campus, and I am glad to be a part of it. I'm looking forward to working on some of my own projects and I hope to make a significant impact on energy saving."

**"Office energy auditing is in full swing again!"**

## Back in the Office

By Andrew Sata

Despite a short break, office energy auditing is in full swing again as we start the second part of the auditing process.

While the LARC office was busy in the beginning of the quarter, we have been preparing an office energy guide pamphlet and eco-friendly gifts to stimulate a more energy efficient and resource efficient outlook by the university employees. Our

pamphlet contains energy saving ideas and facts that are useful and practical and are specifically directed towards people who work in offices such as the ones we are auditing. In addition we have distributed power strips, compact fluorescent lamps (CFLs), recycled printing paper and hanging folders, and solar powered calculators, with information on how these items can help save energy. We have even implemented one smart strip, which is a

power strip that will automatically conserve energy by supplying no power to some of the plugged in peripherals when not in use. Another smart strip is soon to be installed in the LARC offices, along with two occupancy sensors for rooms that are frequently used for short periods of time.

We hope to collect energy savings data by the second week of May and continue observing results into the summer.



Steven Katigbak, Kong Sham, Courtney Gill and Alyssa Penacho at Wayzgoose

## Celebrate UCI and Celebrate the Earth

By Courtney Gill

Saturday, April 19, 2008 was the Celebrate UCI event, also called Wayzgoose. In conjunction with Wayzgoose, UCI also held an Earth Day event.

Environmental clubs and organizations from outside of UC Irvine all gathered together in Aldrich Park in the Earth Day section. The Green Campus Program passed out the UCI Sustainability Map, energy saving tips, and pamphlets from Southern California Edison.

Students, faculty,

administration and members of the community all attended the event. Approximately 100 people passed the Green Campus table and heard about different initiatives that UCI is taking to be more sustainable and more energy efficient.

## Green Campus Fume Hood Campaign: Spring 2008

By Samantha Kao

Green Campus has officially begun the fume hood competition for our third campaign. The competition began on April 31 (Week 3) and is projected to run for three weeks total, ending during Week 6.

Compared to prior competitions, the current competition for Spring 2008 is on a much larger scale; Green Campus is working with eight professors, targeting 141 fume hoods total.

The following Physical Science professors are

participating in the competition: Professor Corn, Professor Borovik, Professor Holt, Professor Lopez, Professor Guan, Professor Overman, Professor Vanderwal, and Professor Shea. Moreover, the competition will take place in three different buildings on the main campus: Rowland Hall, Frederick Reines Hall, and Natural Sciences II.

We hope that the expansive nature of this competition will further encourage awareness about energy efficient behavior in the laboratories. In the same

manner as our previous competitions, this current competition has provided fliers to inform lab users on how to save energy in their labs (i.e. shut their fume hood sashes). Green Campus for-credit interns have also been conducting fume hood audits in the labs at randomized times throughout the week. Because of the greater volume in the competition, we are excited about the potential savings from the Spring 2008 campaign. In addition to the customary



The new carbon footprint Fume Hood Stickers

prize luncheon, the winners of this competition will also be given an energy efficiency certificate from Green Campus for their efforts in this campaign.

## Evenstar to Energy Star!

By Kong Sham

On Wednesday, April 23<sup>rd</sup>, the Green Campus Program teamed up with one of the Middle Earth Dorms, Evenstar, for an event called "Do It in the Dark."

Working with the freshman and their residential adviser, Green Campus shared energy saving tips for living in the dorms and also for the residents to implement in the future. Green Campus interns turned off all of the lights and the event commenced "in the dark."

We split residents into two groups: one group toured UCI's Green Room while the other conducted energy audits, switching places halfway through the event. During the energy audit we were able to tour the residential adviser's room, who was a total energy hog (the technical term of course). He had a large plasma screen TV, two refrigerators, and no power strips. The number of

phantom loads was endless. He provided us with a great example of how people can abuse energy use by being tech savvy and not environmentally conscious. But, we were able to help by teaching him and his residents how to correctly use some of his appliances, unplugging items when they're not in use, and also turning off the lights.

The students were so interested, that they were willing to volunteer their own room for scrutinizing, and while we taught them some new habits, they also pointed out some habits of their own that were already energy saving.

The tour of the Green Room was equally successful. Most of the residents had not visited the fully sustainable dorm room before and were excited to see what was inside. The students thought the alternative material products were creative and useful and were interested to

hear some of the benefits of buying all natural and organic bath products. They said they would be interested in sustainable purchasing in the future.

It was a great event that helped reach out to the young freshman minds about energy conservation and teach them how they can better the world by being more energy efficient and environmentally conscience. We hope some of them will take an interest in the Green Campus Program and will participate in some of our future events.



Residents of Evenstar and Green Campus Members at the Do It in the Dark event.



## The Green Campus Program

The Alliance to Save Energy's "Green Campus Program" is funded by the California ratepayers under the auspices of the California Public Utilities Commission. Strategic Energy Innovations is a Sub-contractor of the Green Campus Program.



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## BILL BILL BILL!! BILL NYE THE SCIENCE GUY!

By Kong Sham and Courtney Gill

Yes, that's right, UCI was lucky enough to have Bill Nye, our favorite scientist come and present a lecture on Thursday, April 19th. Of course, students waited in an endless line for the chance to see one of the most anticipated lectures at UC Irvine this year and members of the Green Campus Program were lucky enough to attend.

Nye came to UC Irvine as part of Earth Week to give a presentation on how to lead a sustainable lifestyle and save energy to help protect the environment. He stressed that this topic can no longer be neglected and that everyone must take action together.

Nye's approach was

very effective—as most of the students in attendance came to see the star of their favorite television show growing up, Nye therefore started his talk with humor and interesting narratives before segueing into climate change and sustainability.

His speech dealt with a range of topics from stars and planets to electric cars. He stressed that Earth maybe the only place where humans can find suitable conditions to live, and if we want a future we need to protect it and cherish it. He stated that while our technology enables us to limit our negative impact on the environment, we must work



Bill Nye speaks at UC Irvine

together to ensure access to and an understanding of more sustainable living principles. Ultimately, we need to change our behavior if we want to have a sustainable future for ourselves and our children.

Having Bill Nye come out and talk about climate change was great for us and it helped show that it is going to take everyone's cooperation to ensure a healthy future.

## Campus Climate Summit

By Courtney Gill

On Thursday, April 24, Courtney Gill attended the Campus Climate Summit alongside UCI Vice Chancellor Wendell Brase, Dr. Peter Bohler, and Jessica Pratt from the Orange County Chapter for the Society of Conservation Biology.

The Summit took place at Cal Poly Pomona and members from campuses all

across Southern California were in attendance. The summit encouraged exchange of ideas between campuses, and people from all departments were able to collaborate with each other.

It is so important for campuses to collaborate to combat climate change. Some campuses may have attempted programs and learned the best way to carry them out. Other campuses can therefore save time, effort and money by

implement programs that have already been a success.

This will hopefully be the first of an annual Climate Summit. The summit resulted in the formation of a new group: SoCall CAN! - a united group of students, faculty and staff from campuses across Southern California that will continue to work together to combat climate change.

Project Title	Time Period (March-April, 2008)	Estimated Energy Savings (kWh)	Money Saved	Lbs. of CO <sub>2</sub> Avoided
Take the Stairs Day and CFL Exchange	April 22	<u>Elevator Use:</u> 550 kWh  <u>CFLs:</u> 2593 kWh	<u>Elevator Use:</u> \$60.50  <u>CFLs:</u> \$285.23	<u>Elevator use:</u> 442.75 lbs of CO <sub>2</sub>  <u>CFLs:</u> 2087.365 lbs of CO <sub>2</sub>
Middle Earth CFL Exchange	March 5	6104 kWh	\$671.44	4913.72 lbs of CO <sub>2</sub>
Total for March		<b>9,247 kWh</b>	<b>\$1,017.17</b>	<b>7,443.84 lbs of</b>