



# OF GREEN @ UC Irvine

December 2010

**SAVE THE DATE:**

- First club Meeting
- Keep an eye out for for-credit intern applications coming out – check out website
- Green Campus goes to Vista – Week 4
- 2011 Green Campus Energy Efficiency Summit

**POINTS OF INTEREST:**

- Meet our new interns!
- Hear all about our guest presenter Allen Shiroma and his role at UCI
- The social at the Great Park

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## Green Campus: A Supporter of Tree Campus USA

by Henna Pithia

On Friday November, 19<sup>th</sup> from 12noon till 4pm, Green Campus partnered up with The Green Initiative Fund (TGIF) and the local Shadetree Nursery to help put on a tree planting in Aldrich Park at UCI. The tree planting event was sponsored by Tree Campus USA, an organization that has designated UCI as a Tree Campus due to its past work with trees and green living. As a Tree Campus delegate, UCI received roughly 50 trees to plant all over UCI's Aldrich Park. The event drew guest presenters such as Chancellor Drake who encouraged UCI students to participate in the tree



planting and to also think about how their behavior impacts the green movement at UCI. As a partner in promoting the event, Green Campus reached out to students who were at the tree planting via their table near the planting site. Interns Cynthia Leung, Kelly Li and Henna Pithia manned the booth and also helped

## Lighting Audit by Kelly Lee

Facilities Management (FM) at UCI has provided the Green Campus Program with a great opportunity to involve interns as well as club members in a lighting audit project. This project takes place in Parking Lot 1 in front of Langson's library and Aldrich Park. There are two different types of lights that FM wants Green Campus interns to audit: the tall parking lot lights and the bird cage lights located in the park. The reason for the audit is to figure out which type of light brightens up the area the best without using too much energy. To verify this, interns first painted five by five grids on the ground that were 10ft apart for the the interns will also gain valuable hands-on experience as a result of this project.



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parking lot lights and 5 ft apart for the park lights. With the increasing distance away from the light source, there is a decrease in brightness to measure this the interns are using a light meter to measure the foot candles at each spot on the grid. When completed, the finalized data will be sent to FM for evaluation for further lighting retrofits. In addition to gaining a much better understanding of the lighting retrofitting process, the interns will also gain valuable hands-on experience as a result of this project.



## Green Campus Goes to the Great Park... TWICE!

*By Cynthia Leung*

Last month, Green Campus members trekked over to Irvine's Great Park twice as part of Green Campus' quarterly social activities. On October 30th, Green Campus joined with the Real Food Challenge in a combined field trip to the Great Park's Family Gardening workshop led by Master Gardener, Teena Spindler. Post-workshop, Ms. Spindler led our group through a private tour of the Great Park gardens. The gardens consisted of different plant beds featuring plants for specific cuisines, sensory plants, and many more. One of the coolest parts of the gardens was the composting area where visitors could look at the red worm feeding area with all the compost. The garden featured different sections for all areas of interest and was a great display of



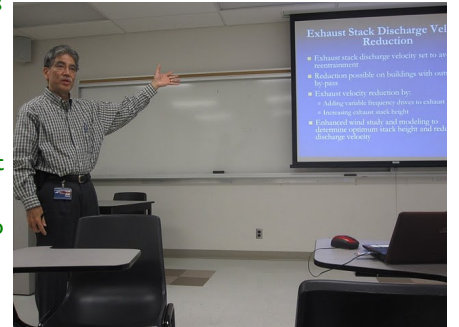
how people can grow their own food in their own backyard instead of buying it from grocery stores. For this trip there, a total of 15 Real Food Challenge and Green Campus members spent their Saturday morning learning about the many features of the Great Park Gardens!

For Green Campus' second visit, members spent their Sunday morning out at the Great Park's newly opened Farmer's Market. Member's equipped themselves with reusable shopping bags and a genuine interest in this new addition to the Great Park's list of growing activities. Although the group planned on going on the big balloon, windy conditions proved too much for the day. Check back on the Green Campus calendar to check out the next Great Park trip! Third time is the charm!



## Energy Efficiency Presentation by Allen Shiroma by Kelly Lee

For then Green Campus club's week 8 meeting, interns were proud to invite Allen Shiroma, the Assistant Director for UCI Facilities Management as a guest speaker. Allen presented on the current energy efficiency projects that Facilities Management has been working on and some of the future goals they are trying to reach. Some of the past projects they have completed include retrofitting fume hoods in Rowland Hall, which reduces energy usage by a large amount. During the presentation at the Green Campus club meeting 15 students attended, and in the end interns received a lot of positive feedback about all the information Mr. Shiroma discussed. Members also stayed after to ask about the upcoming projects and how they could get involved. Club members also showed enthusiasm for getting involved in UCI's energy renovation projects.



## Restroom Audits Kick Off! *by Cynthia Leung*

This month, Green Campus rolled out its Restroom Audits project in collaboration with Facilities Management! Auditing a restroom may seem odd, but in reality, toilet flushing is one of the biggest water consumers in people's daily routines. Since much of this toilet flushing is necessary, Green Campus is working to inventory the restrooms on campus to help change out these older less efficient toilets to low-flow toilets.

The goal is to audit all the restrooms by the middle of Winter quarter. Facilities Management has already covered automatic sensor faucets, aerators, and stalls. For these audits, Green Campus interns are inventorying the urinals in Men's restrooms and automatic light sensors for all restrooms. Some of the urinals use over five gallons a flush while the super low flow use only one pint. Imagine how much water can be saved by retrofitting that *one* five gallon urinal with a low-flow one?

Combining Green Campus' audit information with Facilities Management's will lead to one comprehensive inventory of all the restrooms on campus, making it easier to document where the next retrofit will take place. Here's to a future of water efficiency with the Green Campus Program!

## CCN & Update on the Faucet Retrofit Metrics *by Bogdan Rusu*

In support of this national energy/water savings competition, Green Campus has been tracking the water usage for Vista Hall and Palo Hall, promoting water saving through a friendly competition between the halls. The final results read as follows: Between October 18<sup>th</sup> and November 20<sup>th</sup> Vista Hall consumed 72,000 US gallons and Palo Hall consumed 75,000 US Gallons. Congratulations Vista Hall!

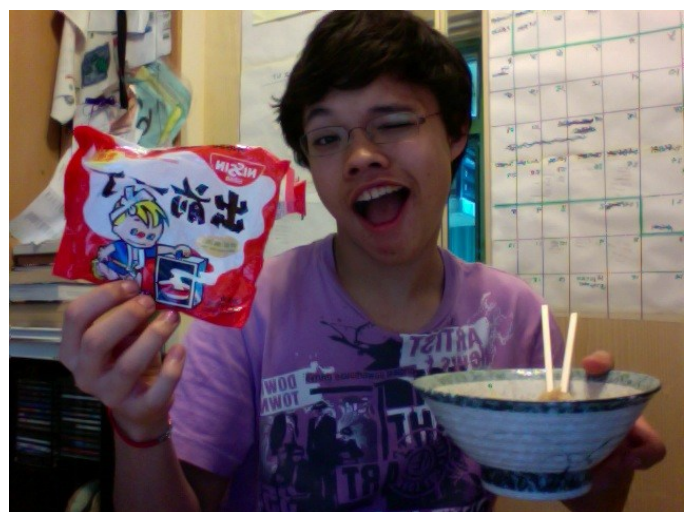
Henna Pithia, Green Campus intern and resident advisor for Vista Hall hosted an ice-cream party to reward her residents. The party was a big success with over 45 residents participating. It was also a great opportunity to follow up on the excitement and pass out fliers and share sustainable tips to help continue this efficient behavior.

Green Campus would like to share an update on one of the projects mentioned in our earlier issues with some information on the water savings calculations for the faucet retrofit in Vista Hall. The retrofit consisted of replacing 18 conventional water faucets with newer, sensor automated faucets. We have since calculated the water savings to amount to an amazing 3,833 US Gallons per month! In one year, the total savings will add up to 34,497 US Gallons which (at a domestic rate of .0142\$ per cubic feet), adds up to \$65.84 a year. Green Campus is following up with this water efficiency initiative by currently working on retrofitting the shower heads in all Mesa Court halls with low-flow shower heads. Keep an eye out for retrofit updates in future issues!

## Green Campus hires two new interns !



**Jambu Jambulingam**



**Calum Jethro Kenny**

**JAMBU's Interview**

Name major, year?

Jambu Jambulingam, Biomedical Engineering 2014

Your role in green campus?

Green Campus Intern- Project Coordinator

Why you joined Green Campus -What interests you about energy and water efficiency?

I joined Green Campus because I saw so much potential in UCI's eco-friendly movement, and I also wanted to work hands-on to make definitive changes to our use of natural resources. I came to UCI already knowing that I wanted to be involved with the "green scene," and through living here for just one quarter, I knew that there were definitely possibilities to change how UCI uses these resources. I worked on an energy efficiency project for my high school, and saw how simple it was to save energy by just switching a few bulbs for example. Water is also a quick fix, like reducing water pressure when soaping in the shower or running a cold water load as opposed to a hot water wash. There is so much potential to save energy and water, and the only reason people use energy and water excessively is because they aren't aware of how saving energy could not only help the environment but help them as well!

What do you hope to get out of Green Campus?

I hope to be able to learn about the environmental industry and what others are doing to affect the economy and the causes surrounding environmentalism. I also hope to gain a sense of professionalism and independence in a work setting, as well as learn how to work with and organize a team. And last, but not least, I hope to have fun working with fellow coworkers, students, and UCI faculty to make a difference

What is something interesting about you?

in the community we all thrive in. Well, I love to talk. Not just about cars, video games, politics, or the sugarcane industry. I love to talk about anything and everything. I don't notice it myself, but people that listen to me talk say I have a peculiar voice when I talk about something seriously or when I am in a professional setting. They describe it as going from a hyena-esque laugh

to a more Schwarzenegger torpor. My voice has been compared to the likes of former President George Bush, President Barack Obama, and Jay Leno. But despite what vocal I'm projecting, whether it be Texan or Socal, I still love to talk!

**CALUM's Interview**

Name, major, year?

My name is Calum Jethro Kenny and I'm an Environmental Engineering major. I am currently a freshman at UCI.

Your role in Green Campus?

I have recently been hired as an intern for Green Campus, which will involve coordinating projects, coming up with new projects to implement, doing energy audits and publicity work. I will also be helping other interns with their projects, coordinating the for-credit interns, and getting hands on experience in implementing my own projects.

Why you joined green campus -What interests you about energy and water efficiency?

In the past few years of my life I have had a profound passion in global sustainability and protecting the environment. When I heard of Green Campus and its environmentally friendly initiatives, I wanted in! We are all not here in university just to study, but to also get out there and make a difference. I felt my next step with was the Green Campus and here I am!

What do you hope to get out of green campus?

I hope to make a significant difference in the university community regarding environmental awareness. Furthermore, I hope that through the projects I implement I will make a significant impact in saving energy and water. I also hope to gain knowledge and experience in the field and prepare myself for a career in environmental engineering.

What is something interesting about you?

I come from Hong Kong, I breakdance, play guitar and am part of the interschool cross-country team. I formed a dance group with my closest friends: we're called the 'Beast Crew'. We perform in school carnivals and shows. I am the stuntman for the crew, and due to this I'm oftentimes being flung into the air or jumping over a human pyramid. I was also part of a band, titled Stimulation, we played punk rock and wrote our own songs. I also greatly enjoy running and hold the record for my high-school's 50km Rainbow Trek, completing the trek at 6 hours flat. I also ran on the Hong Kong national Jing Ying tournament and came in 29th out of 150 runners.

**October Metrics**

- **Annual kWh savings**  
10,381.20 kWh  
(monetary: \$1,349.56)
- **Total CO2 savings (lbs)**  
7,100.74 lbs
- **Reached by Tabling**  
18 people
- **Survey Responses**  
18 people

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