

CSULB GREEN CAMPUS PROGRAM

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Up & Coming

Dorm energy competition in October

Fun Facts

Fact: The average household spends \$1,400 each year on energy bills. By choosing Energy Star-qualified products, consumers can cut this by 30 percent, saving about \$400 each year.

Fact: Eighty percent of American consumers agree that America needs to reduce oil imports.

**DIRT BAG
TURNS
GREEN**

The Green Wave



Volume 1, Issue 2

June 1st, 2010



Green campus interns and campus lead at California Higher Education Sustainability Conference
LT to RT: Jennifer Mendoza, Felix Navarrete, Jeff Steuben (Campus Lead), and Allie Bussjaeger

Sustainability Conference 2010

On Sunday, June 20th the CSULB Green Campus interns embarked on their first team adventure to the California Higher Education Sustainability Conference held at the Los Angeles Trade Technical College. This conference gives students, faculty, and professionals in the field of sustainability the opportunity to attend workshops, share their best practices with other campuses, and network with each other. [See **Sustainability, 2**]

A Different Kind of HOBO on Campus

Green Campus interns have teamed up with Paul Wingco, CSULB's Energy and Sustainability Manager in Facilities Management, to analyze the existing occupancy sensors throughout various buildings on campus. This task is accomplished by using a data logger called a HOBO meter. This nifty little device has a light sensor that tracks when the lights in a given room are on or off. After discretely placing a sensor in a room for one week, the interns are able to look at a timeline showing the activity of the lights in the specific area. The goal is to determine which rooms have properly functioning occupancy sensors and which rooms have broken sensors or no sensor at all. [See **Different, 2**]

CSULB GREEN CAMPUS PROGRAM

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Sustainability Conference 2010

[Sustainability, from 1]

For four days the interns were able to collaborate on sustainable ideas with their fellow Green Campus interns from 18 other campuses throughout California. This was extremely beneficial to the CSULB green campus team not only because it gave the team new project ideas, but it also let the team hear what problems arose during these projects and how to effectively avoid them.

The interns attended the Green Campus end of the year award ceremony where they met other interns for the first time, and where they were able to hear the success stories from all the other campuses. From this ceremony the interns learned that any goal set no matter how big or small is attainable as long as they stay focused and work together. These goals may intimidate an individual but not a team. They were also given the opportunity to network with professionals from multiple avenues in the sustainability industry. With over 70 exhibitors at the conference, the interns were able to speak with various representatives about new green technologies.

The conference allowed the interns to attend multiple sessions led by their peers and industry professionals regarding the sustainability movement occurring on campuses statewide. The interns split up to cover as much ground as possible while at the conference. They attended how-to workshops about communicating sustainability to students, green office certifications, and performing lighting and water retrofit projects on their campus.



California Higher Education
**Sustainability
Conference 2010**
GOLDEN STATE GREEN OPPORTUNITIES

After the conference, a student convergence was held where the interns were able to have a meeting with all the other students involved in sustainability. The student convergence enabled the interns to discuss with student leaders from various campuses how to make the CSU system make sustainability a higher priority. Interns Allie Bussjaeger, Jennifer Mendoza, and Felix Navarrete are looking forward to working towards this goal in hopes that CSULB will be able to set the bar in sustainability within the California State University system.

A Different Kind of HOBO on Campus

Project Lead: Felix Navarrete

[Hobo, from 1]

So far HOBO meters have been placed randomly throughout the SSPA, HHS, and CBA buildings. A few malfunctioning occupancy sensors have already been located, and Facilities Management will be repairing all broken sensors as soon as possible. This will be an ongoing project for the Green Campus interns, who hope to have data on every single room on campus by the end of Spring 2011. This project is a great way to make sure our campus is utilizing occupancy sensors to the best of our abilities in order to save energy, and money!



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We'll be on the web soon!
See it in next months issue

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Power Down Cola

Project Lead: Jennifer Mendoza

Recently, Green Campus interns met with Clint Campbell, the Facilities Management Director for the 49er Shops, Inc. here at Cal State Long Beach, to discuss the installation of vending misers on the vending machines throughout campus. Vending misers enable the vending machines to power down and conserve energy when not in use while still keeping beverages cool. Intern Jennifer Mendoza has also been communicating with Kevin McGovern from Tri Energy Options who has worked on projects installing misers all across California's community colleges to gain his insight into the process of installing the devices on campus.

The intern team's first goal is to conduct a pilot installation of the misers on campus to gain some data as to what the real energy savings are, and then utilize this information to explain the benefits of the vending misers to the vending companies that work with 49er Shops, Inc. Once this pilot run has concluded, the hope is that the vendors see what amazing energy savings the misers provide, they will agree to install the misers campus-wide.

Currently, the interns are inquiring about the types of vending machines that are being used on campus and will then borrow the appropriate misers from McGovern to kick off their pilot run. The interns are excited to potentially get the vending misers on campus, which will surely reduce the energy the school consumes and save Long Beach some "green" as well.



Hey students! If you are interested in gaining some experience in the field of energy efficiency, we need volunteers to help complete our HOBO meter project. Send an email to the CSULB Green Campus interns at csulbgreencampus@gmail.com if you would like to join the occupancy sensor team, or if you would like to become involved with other projects.

