



NEW SEMESTER, NEW INTERNS, NEW IDEAS

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By Shannon York

Chico Green Campus has about 15 new interns for the spring 2009 semester; some getting units, some volunteering; all contributing to make Green Campus an even more successful program at Chico State.

The new interns will be helping out with the variety of projects we have on the list for this semester, including: Take the Stairs Day; installation of vending misers, SCOOP energy audits; Shasta, Lassen and Whitney Hall energy reduction competitions;



Some of Chico GCP's new interns, staff and faculty advisor, Mark Stemen

installation of power management software on library computers; and research into projects to reduce the use of hot water.

With the helpful instruction of our staff members, advisors and project leads, we expect all of our energy efficiency projects to be successful and produce substantial results.

Some of our new interns have supplied our group with some fantastic new ideas to utilize during this semester and upcoming semesters. One of these ideas comes from Kalen Daniel who had the idea to install power management software on computers in the library and, possibly, throughout the entire campus. He is acting as our project lead for this project and we look forward to the results.

Power Management Software Taken to the Next Level

By Shannon York

One of our newest interns, Kalen Daniel, is working with library staff and managers to install power management software on all computers in the library. Kalen is hoping this potential installation will lead to installing the software on computers across campus, meaning huge savings for the university.

Kalen had a meeting with student computing in order to show them how the software we plan on using would work. He will also be attending a Desktop Sustainability group meeting next week.

Green Campus will pay for the licensing for this software for each computer in order to get the project off of the ground, pending approval, and we hope this will return not only savings for our university but also a rebate for the installation and energy savings of this software.



GREEN FIGURES

Green Outreach:

Chico Green Campus was able to participate in the Sustainability Involvement Fair during early February. We were able to add 15+ students to our e-mail list.

Green in the Future:

- Spring 2009 Stakeholder Meeting
- Earth Month (April) events, workshops and presentations
- SCOOP energy audits
- Resident hall energy competition
- Take the Stairs Day
- Power Management Software installation in Library
- Vending miser installation



Whitney Hall Energy Reduction Competition

By Shannon York

The first Whitney Hall energy reduction competition will get underway starting on April 1 and will continue for the proceeding four weeks. This is the first time Green Campus has held an energy competition in this residence hall.

With hundreds of residents and the proud owner of being named the tallest building north of Sacramento and south of Oregon, Whitney Hall will be a big challenge for the Chico Green Campus team.

In the past, Green Campus has only done energy competitions between Shasta Hall and Lassen Hall but decided to proceed with a competition that will pit Whitney Hall against itself.

Residents must reduce the hall's energy consumption by at least 5 percent in order to win a party, which will be thrown at the end of April if the task is accomplished.

Green Campus will compare the energy data from the month of the competition to that of April 2008's energy data in order to determine if the residents reduced the appropriate amount of consumption.

The metering of Whitney Hall covers not only the residents' living quarters but also Whitney dining, which uses a significant amount of energy. The average bill for Whitney Hall each month is roughly \$16,000.

Mike Bates, Assistant Director for UHFS Capital Projects, is generously helping Chico Green Campus gather the data needed to equate the correct savings for this project.

Although residents don't have complete control over everything in Whitney, there are still a lot of ways they can help save energy. Residents can use power strips, turn off lights when not in use, use natural light from the windows rather than using electricity, turning down their thermostats when they aren't home and conserve water when taking a shower, brushing their teeth and washing their hands in the bathrooms.

Green Campus will also be working with Resident Advisors to advise them on how to save energy in common areas such as the TV area and the computer labs.

As large of a project this competition is, Green Campus staff, interns and volunteers believe it will be very successful and really get Whitney Hall residents thinking about just how much energy they use every day.

Vending Miser Installation Update

By Shannon York

Chico Green Campus staff member, Mahmoud Saad, and several interns installed the first Vending Miser on the vending machine in Siskyou Hall.

The Vending Miser attaches to a vending machine and powers down the machine when no one is using it. A sensor on top of the vending machine is positioned so when someone comes up to use the machine, it turns it back on and is ready to dispense.

A watt meter was attached to the vending machine in order to collect data with the vending miser installed. That data will be compared to the data obtained last semester when the same watt meter was hooked up to the same vending machine without the vending miser installed.

Green Campus hopes to install a dozen more vending misers, pending approval from Pepsi on nine machines and, in the future, apply for rebates from for the installation of the energy-saving devices.

WATCH FOR:**Energy Reduction Competitions around campus**

We will be doing one for Shasta, Lassen and Whitney Halls during Earth Month

Vending Misers

Hopefully by the middle of the spring semester you will see these energy saving, little gadgets on vending machines across campus.

Spring Stakeholder Meeting

This meeting will be held near the end of the semester to let our great stakeholders know what we've been up to and talk about any other ideas they have!



Shasta and Lassen Energy Competition: A step in a new direction

By Jackie Mercure

This semester Green Campus has decided to expand the normal energy reduction competition between Shasta Hall and Lassen Hall to a month long competition, rather than just one week.

Green Campus has had a lot of experience doing this energy competition with these residence halls in the past, where residents always seemed very enthusiastic and willing to participate. In fact, Chico Green Campus is confident that there is enough support for these competitions that the residents will be willing to participate for a full month.

Jackie, a current staff member, and Jenna, a new intern, were able to sit down with Eric Price, the RCC for Shasta and Lassen. They were able to discuss the energy competition and got the go ahead for a month long competition in April.

Green Campus is very excited to have another opportunity to work with the residence in these halls and instill basic knowledge about how to conserve energy and present an opportunity for residents to see how much energy they use on a daily basis. The hope is to make them aware that they can make a difference just by making simple changes in their daily life.

Chico Green Campus will be mixing the competition up for the spring 2009 semester. In the past, the two residence halls competed against each other to see who could save the most energy, but, this time around, they will be competing against themselves. This new strategy will hopefully get residents more eager in conserving energy in their own residence hall and less eager to sabotage (i.e. running over and turning on the lights) the other hall.

In addition, this competition will be supplemented with better advertising for the competition and get the residents more excited about participating in the competition.

SCOOP IN THE SPRING

By Jackie Mercure

SCOOP (Sustainable Consultation Of Office Practices), a group that started as a collaborative between Green Campus, AS Recycling and AS Sustainability, will continue its comprehensive audits of Chico State offices during the spring 2009 semester.

Although the SCOOP project has taken on an identity of its own, it is still a relatively new group on campus and Green Campus wants to continue supporting it in order to help ensure its success in the future. Thus, this semester, Jackie will be assigned to the position of SCOOP Core Member for energy auditing. This position requires her to attend the SCOOP weekly meetings and participate as the core member with a concentration on organizing the energy portion of SCOOP.

In order to support SCOOP we assigned new interns to the project this month so that they could help conduct the energy portions of audits. All are very eager to participate in the project and get into the offices and educate staff and faculty about how to be more energy efficient in order to reduce their carbon footprint. In addition, during a visit from our supervisor, Morgan King, Green Campus was able to conduct an energy audit training. Ten interns attended the training and were taught how to detect phantom loads, luminescence and different types of ballasts.

Alan Rhodes, the SCOOP director, has already been in contact with eleven different offices on campus; however, in order to ensure that we have the program running smoothly we are going to concentrate on six. The first office audit is scheduled for next month.

CONTACT US:

www.csuchico.edu/greencampus
greencampus@csuchico.edu

Program Coordinators:

Shannon York
 Director
Shannon_york@hotmail.com

Jackie Mercure
 Project Coordinator
Jackie.mercure@yahoo.com

Haley Gilmore
 Project Coordinator/Secretary
hgilmore@mail.csuchico.edu

Mahmoud Saad
 Project Coordinator
Mahmoud.saad@hotmail.com



The Alliance to Save Energy's "Green Campus Program" is funded by the ratepayers of Pacific Gas & Electric. Strategic Energy Innovations is a sub-contractor of the Green Campus Program.

**TAKE THE STAIRS DAY**

By Haley Gilmore

Green Campus is hosting a Take the Stairs Day in early April that will persuade students, staff, and faculty members to do just that, take the stairs instead of the elevators! The event is aimed to educate those on campus about the benefits of taking the stairs and how much energy taking the elevator wastes. The ultimate goal is to calculate how much energy is saved in terms of kilowatt-hours by Green Campus' efforts to dissuade people from using the elevators on the day of the event.

Although the event is over two months away, research for the project has already begun. A team of three Green Campus members are researching the elevators and staircases of five high-traffic buildings on campus (Meriam Library, Bell Memorial Union, and Glenn, Butte, and Tehama Halls). They are tracking the number of people who use the staircases, the number using the elevators, and the run time of each elevator during two-hour long periods at peak times/days of the week. The average run time of each elevator will be converted into the amount of kWhs used to power them.

On the day of the event, the numbers will be recorded again and compared to the previous research to calculate savings. Green Campus staff will also be handing out candy, raffle tickets, and information on energy-efficiency to those who participate in taking the stairs. We hope the knowledge we share with those on campus will stay with them beyond the day of the event to help them make more informed decisions on a daily basis, creating future energy savings for the university and healthier lifestyles for the participants themselves.

FEBRUARY METRICS

Interns receiving credit for internship	16	Promoting GCP on campus	Reached hundreds of students
New stakeholders made on campus	4	People signed up for e-mail list	20
Vending miser savings (1 miser – in Siskiyou Hall)	Approximately \$14.80 per month		