

# California State University, San Bernardino Green Campus Program Green at a Glance

Summer Edition

By Ashley O'Neill & Jennifer Loveless

Issue 18, August 5, 2007

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## What's Next for the CSUSB Green Campus Team?

- More Office Energy Surveys
- Welcome Week Festivities with CSUSB Housing and incoming residents
- Green Apartment Battles

## Get involved!

Contact Green  
Campus Program  
Coordinators  
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(909) 537-3133  
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### CSUSB Welcomes a New Intern

The CSUSB Green Campus Program (GCP) would like to welcome its newest intern, Jennifer Loveless. GCP is thrilled to have this wonderful, highly qualified young lady join the green team! Jennifer is majoring in Business Administration with a concentration in Entrepreneurship. She plans to graduate from CSUSB with a Bachelors of Arts degree in 2009. Before joining the Green Campus Program, Jennifer held the position of Catering Coordinator for CSUSB for a full academic year. She's now looking forward to pursuing her interest in building a more sustainable campus and educating the campus community about energy efficiency. In the coming academic year, Jennifer and Ashley O'Neill, CSUSB's continuing GCP intern, will head up the Green Campus Program with many interesting and exciting projects to look forward to.



Jennifer Loveless, the latest addition to the CSUSB Green Campus Team.

### Energy Saving Tips for your office

- Use half of the lights in your office (that is, only flip on one switch) or the sunlight: Studies show that moods and performance increase with a little sunshine!
- About 15% of office energy consumption is due to electricity being drawn from an appliance while it is off but still plugged in (phantom loads).
  - **Plug your appliances into a power strip and switch it off when you leave for the day.**



### In This Issue...

- Green Campus' new intern
- Office Energy Surveys
- Energy Survey Training with Southern California Edison
- Annual summer meeting with Housing and Residential Life



**ALLIANCE TO  
SAVE ENERGY**  
*Creating an Energy-Efficient World*

The Alliance to Save Energy's "Green Campus Program" is funded by the California Ratepayers under the auspices of the California Public Utilities Commission.

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## Office Energy Surveys

Office energy surveys have been the number one focus of Green Campus for the summer here at Cal State San Bernardino! The Green Campus Program has been hard at work coming up with new ideas of how to engage the offices on campus to be more energy efficient. Green Campus Interns came up with the idea to use the campus wide email list serve and a little enticement to get faculty and staff involved. They sent out an email explaining the survey will not only give them valuable tips on how to save energy on campus, but also only take 30 minutes of their time, give them a break from their 10 hour day, and enter them in a drawing for free lunch for the whole office!

The response was instantaneous. The Green Campus Program received 10 responses within the first day and have completed energy surveys of 5 departments (each department includes an average of 7 offices), and 3 other personal offices. Each survey includes an audit of office lighting, fax and copy machines, computers, printers, speakers, cell phone chargers, clocks, fans, heaters and etc. The entire survey process is carefully explained to the office occupants so that they are equipped to pass on the information they have learned about energy conservation to others.

Results of the office surveys concluded that lighting accounted for approximately 50% of overall office energy consumption. Other energy intensive appliances were copy machines, small refrigerators, small heaters and computers. In the Green Campus's recommendations included the following techniques to save energy: delamping, using half the lights in the room which could cut their energy bill in half, the use of natural light to save energy and promote a happy staff, using timers on big appliances, using a blankets rather than a heaters, and plug CPUs and monitors into a powers strip and turn them off at the end of the day.

The Green Campus Program will continue in their efforts to survey as many campus offices as possible and continue to suggest energy efficient behaviors that can save substantial amounts of energy and money for the university. **Please refer to the table on p. 4 to see the potential KWh and dollar savings per year.**



Jennifer Loveless presenting Mark Hartley with his Green Campus Office Energy Efficiency Certificate



Credential Assistance for Students in Education (C.A.S.E.) office staff accepting their certificate

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## A Day in the Life of Southern California Edison...

On July 17, 2007, the CSUSB Green Campus team took a trip down to Southern California Edison's Customer Technology Application Center (CTAC) in Irwindale, California where they learned about campus energy efficiency and the auditing process. One interesting tip that the GCP brought home from the training was the fact that each temperature produces its own unique color; the cooler the temperature on a lamp the warmer the light produced and vice versa. If you are a person that enjoys the warm, yellowish color of light that an incandescent bulb produces, you can still get that color with a compact fluorescent lamp at a temperature of 2,700 Kelvin.

During the auditing section, the interns learned about some of the activities included in a lighting audit:

- Reduce the lamps' operating hours
- Reduce the number of lamps
- Replace lamps with compact fluorescents
- Use half lights

Another tip is to use a window rather than artificial light. It has been proved to produce happier people in the workplace and a decrease of sick days.

They also took the time to inform all attendees about starting a career at Southern California Edison. The training was geared towards people uneducated in the area of energy efficiency. Southern California Edison holds free trainings in a number of areas for anyone interested and they can be found on their website: <http://www.sce.com>



So. Cal Green Campus interns and Alliance to Save Energy staff pose with SCE personnel at CTAC in Irwindale.

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## Annual Summer Meeting with Housing

On Monday, July 9<sup>th</sup>, the Green Campus Program met with the Coordinator of Judicial and Residential Programs, Christine Jordan, and her student Program Coordinators. They discussed past projects they collaborated on and what they wish to team up for in the up and coming academic year. The other main focus of this meeting was to initiate plans for the Welcome Week event for the residents who will be moving in the third weekend of September.

Together they decided on future projects that will take place in the fall quarter. They plan to continue with the "Phantom Load Campaign," which was started last Winter, by keeping the power strips that Green Campus provided in the two resident halls in use, educating residents about Phantom Loads (the energy an appliance consumes when it is turned off but plugged in). When the residents move in, Door-to-Door CFL (Compact Fluorescent Lamp) exchanges and Green Apartment Battles will kick off the new academic year.

**To all the Housing staff: Thanks for everything and we know it is going to be another great year!**

## Energy Savings from Office Energy Surveys

*(These savings calculations are based on the assumption that the offices adopt GCP's savings recommendations.)*

C.A.S.E. Department.....	589.20 KWh/yr 20% savings
College of Arts & Letters.....	771.84 KWh/yr 15% savings
Student Leadership & Development.....	1,389.22KWh/yr 38% savings
Environmental Health & Safety.....	1,629.84KWh/yr 46% savings
Mild and Moderate Disabilities (2 offices).....	477.70KWh/yr 47% savings
Liberal Studies Department.....	2,250.62KWh/yr 36% savings
Kim Nicholl's (Academic Scheduling) Personal Office.....	136.70KWh/yr 22% savings
<b>Total Potential Savings.....</b>	<b>7,245.12 KWh/yr</b>
7,245.12KWh/yr*\$0.12 per KWh=.....	<b>\$869.41 saved annually</b>