

Green Pastures



Green Campus Interns: Brandon Ro, Shannon Nowell, Elaine Dulay, and Andrew Coyne wrapping up 2009 with an end of year meeting at Applebee's.

CAL POLY POMONA

Green Campus Program



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Upcoming 2010 Stakeholder Advisory Meeting

By Elaine Dulay

On February 19th from 12:30-2:00 PM, Green Campus interns will be hosting their first stakeholder advisory meeting of the year. Invitations were sent out to Cal Poly Pomona stakeholders, such as George Lwin of Facilities Management, Green Team and more! The purpose of this meeting is to give stakeholders a chance to meet with each other as well as the Green Campus team to brainstorm project ideas they would like to see on Cal Poly Pomona's campus. Interns will give a quick introduction to the Alliance to Save Energy's Green Campus Program statewide program and specifically the Cal Poly Pomona team. Then the Green Campus interns will give a presentation which will overview the previous year's projects and savings. This will be followed by a brainstorm session about new projects and ideas for improving those that are ongoing.

Anyone interested in taking part in this meeting is welcome to join us. The meeting will be held in the Heritage conference room in the CLA. So bring your energy saving project ideas and enthusiasm...

We hope to see you all there!

NEWS FLASH!

Take the "Buck the Juice" Sustainability Pledge TODAY!

Visit our website for details:
www.GreenCampusCPP.org

The University Village's Green Gossip

By Brandon Ro

Buzzwords like “green,” “energy efficiency,” and “sustainability” have become the gossip that is sweeping across campus and into students’ lives. During the month of November the University Village held its first Energy Conservation Competition between the residents of its 31 buildings. Green Campus assisted in this event with tips and techniques inspired by our own competitions. This competition motivated residents to find different ways to save



energy. According to Destiny Laurie, the Village's Sustainability Coordinator, some ways the Village's accomplished this included going door-to-door encouraging students to take the Village's Energy Savings Pledge; a commitment to saving energy while living at the Village. They also talked to them about ways to save more energy than their neighbors, such as eating more vegetarian meals and lowering thermostat settings. A spirit of competitiveness began to grow with each week's Green Gossip e-mails. In total, over 300 students at the University Village pledged to save energy- that's 22% of the Village residents.

At the end of the competition, Green Campus assisted the Village in hosting an educational closing barbeque. The competition resulted in tremendous savings. There were multiple categories in which the winning building saved 40.8% (kWh) and the best apartment enjoyed an astounding energy savings of 69.7%! Of these winners, prizes (such as t-shirts and light dimmers) were raffled off to residents who had taken the energy pledge. In addition to the Green Campus Program, the competition was sponsored by the Village Sustainability Coordinator and the ASI Games Room. In total, the competition resulted in energy savings of 46,373 kWh and financial savings of \$6,492. This has helped reduce the Village's carbon footprint by over 73,400 lbs of CO2 emissions.

While the Village's residents successfully saved energy throughout November, its main office did not participate in the competition. No need to panic, though. The office staff will be participating in our Green Space sustainable office assessment and certification program in the spring. This will help evaluate ways in which the office staff can save energy and go green. Green Campus looks forward to continuing this great partnership with the Village!

DID YOU KNOW?

In the case of paper, recycling saves trees and water. Making a ton of paper from recycled paper saves up to 17 trees and uses 50% less water.

Look for more information in GC's upcoming articles about recycling at Cal Poly Pomona.

Source: www.energy.gov



Photo courtesy of www.bargainneering.com

Read below for some responses from the University Village's Energy Conservation Competition winners:

1st Place Winner

Danielle: Her apartment saved 69% in electricity use.

What did you do to save energy?

"Unplugged everything that we didn't use, turned off the hallway light, and didn't fall asleep with the TV on."

What was the hardest thing to avoid?

"Leaving the living room light on because we always thought another roommate was still going to use the living room."



Danielle

2nd Place Raffle Winners



Brandon

Brandon: His apartment saved 40% in electricity use.

What did you do to save energy?

"We stopped using the A.C. and unplugged things we weren't using."

What was the hardest thing?

"Reminding others to turn off the lights."

Esteban: His apartment saved 40% in electricity use.

What did you do to save energy?

"Just turned off the lights when I wasn't using them, didn't watch as much T.V., and remembered to turn off the computer when I went to bed."



Esteban

Welcome to Green Commons!

By Andrew Coyne

A new quarter has begun at Cal Poly Pomona, and with it comes new projects for Green Campus. Andrew Coyne and the Green Campus team are brainstorming a project that will involve an area that the team has never embarked upon: Food Services. Every day, thousands of students purchase food at any one of the various restaurants on campus. What very few of these students realize is the energy it takes to produce their food, as well as the lighting, air conditioning, and heat that are needed to create an inviting atmosphere for the students to enjoy their meals. Green Campus is certainly interested in what it can do to make dining more energy efficient at Cal Poly Pomona. Enter: Green Commons. This is the name of our new project which will focus on the Los Olivos Dining Commons. At the time of this article writing, Green Campus is planning a meeting with the associate director of facilities at University Housing, Barney Wright, to discuss some of our ideas for making the Dining Commons more energy efficient.

So, just what are these ideas? According to a guide put out by www.flexyourpower.org, entitled "Boosting Restaurant Profits with Energy Efficiency", there are numerous ways to cut energy usage in a restaurant. They fall under one of three categories: **1)** changes in usage and behavior, **2)** retrofitting, and **3)** replacement of equipment. For our project, we hope to focus on a few kitchen appliances, taking note of their energy consumption and then projecting what their consumption would be if their usage was reduced, retrofitted, or even replaced. Surprisingly, cutting usage time alone is enough to translate into significant savings. For example, if



a kitchen broiler's usage was reduced by just one hour a day, it could amount to up to \$480 in savings annually (<http://www.flexyourpower.org>)! Many kitchens have equipment that could easily just be turned off when not in use, or used more efficiently.

The goal of our project is to identify those pieces of equipment for the Los Olivos Dining Commons. Also, we will be looking to identify equipment that could be replaced or retrofitted. A couple preliminary ideas are the exhaust hoods (which could be retrofitted so they operate at variable speeds) as well as spray valves (which could be replaced with low-flow, pre-rinse models). Although this project is in its infancy stage, once matured it has the potential to bring big savings to Cal Poly Pomona!

Winter Energy Savings Tips

Ways to Stay Warm and Save Money on the Energy Bill

By Elaine Dulay

1. During the heating season, open the draperies and shades on your south-facing windows during the day to allow the sunlight to enter your home, and close them at night to reduce the chill you may feel from cold windows.
2. When home, set your thermostat as low as is comfortable.
3. By simply resetting your thermostat from 72 degrees to 65 degrees for eight hours a day (for instance, while everyone is tucked in bed) you can cut your heating bill by up to 10 percent. Keep it low for longer, and your savings will grow even greater!
4. Weatherize your home—caulk and weatherstrip any doors and windows that leak air.

Source: <http://www.energy.gov/winter.htm>

Project Updates

As always, Green Campus is looking to find ways to save energy on campus. Here is a snapshot look at recently completed projects, projects in action, and projects next in line!

2009

2009 Stakeholder's Meeting
Residence Hall Energy Competition
CPP Village Energy Competition
Interior Lighting Audit- Bldg. 5 and Bldg. 9
Exterior Lighting Audit- Parking Lots
Green Space Office Audit- Various offices
Buck the Juice Sustainability Pledge
Parking Structure Reassessment
ASI Green Training Session

In-Progress/On-Going

Buck the Juice Sustainability Pledge
Greenspace Sustainable Office Audit
Interior Lighting Audit- More Buildings
Exterior Lighting Audit- Walkways, Wallpacks and Streets
"Be Respected, Not Rejected" Energy Video

Coming Up

Green Commons
Green University
2010 Stakeholder Meeting
Recycling Center in Lot K
De-Frigerate Campus Water Fountains
Take the Stairs Day
Housing Interior Lighting Audit

January Savings

EVENT	QUANTITY	ENERGY	WATER	CO2 EMISSIONS	\$\$\$
Interior Lighting Audit and Retrofit-bldg 9*	n/a	149,770 kWh	n/a	237,070 lbs	\$20,520
University Village Energy Competition	n/a	37,660 kWh	n/a	59,610 lbs	\$6,460
<i>Projected Savings Subtotal</i>	<i>n/a</i>	<i>187,430 kWh</i>	<i>n/a</i>	<i>296,680 lbs</i>	<i>\$26,980</i>
<i>Grand Total of Projected Savings since 2007**</i>	<i>n/a</i>	<i>1,239,053 kWh</i>	<i>1,105,710 gal</i>	<i>2,782,985 lbs</i>	<i>\$225,148</i>

NOTES: *Comprises projected yearly savings

**Grand Total Projected Savings include both actual and estimated savings



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SAVE ENERGY
Creating an Energy-Efficient World



The Alliance to Save Energy's Green Campus Program is funded by the ratepayers of California under the auspices of SCE, SDGE, PG&E, and Sempra Energy

Contact Us!

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