

# Green Pastures



*Green Campus interns hard at work during the pilot GreenSpace Assessment held in the Facilities and Management office.*

## Cal Poly Pomona Green Campus Program



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## Spring 2009 Stakeholder Meeting

*By Elaine Dulay*

On May 21st, Green Campus Interns held their first stakeholder advisory meeting of the year. Current and potential stakeholders, which includes administrators, staff, faculty, and student representatives were invited to partake in the meeting. The purpose of this meeting was to invite potential partners and existing stakeholders to collaborate and brainstorm project ideas for the next academic year. The interns were pleased to see new and familiar faces. Green Campus Interns highlighted the 2008-2009 Green Campus projects and briefly introduced projects currently in the works. Attendees, Betty Kennedy (Housings Assistant Director, Business Services), George Lwin, (Energy Services Manager), Jesse Ochoa (Project Manager for Energy & Utilities), Jose (with Center for Regenerative Studies), Nichola (with housing), and Makeda (with housing) were asked to share their involvement on campus projects with everyone. Their ideas presented an opportunity for the interns to learn more about energy efficient technologies. The bulk of the brainstorm session focused on how to improve educational outreach to the broader campus community. Interns were enthusiastic to receive feedback and discuss various possibilities of how they could collaborate with stakeholders on projects. The interns recognized and gave thanks to Betty, George, and Jesse for their continued support and partnership with Green Campus over the past year. All three were presented with a small gift of gratitude.

### NEWS FLASH!

**First GreenSpace Assessment! Find out more on page 3.**

## Alt- Build Expo

*By Shannon Nowell*

Since 1994 Santa Monica has been officially committed to reducing the city's environmental impact while continuing to meet the present and future needs of the community. In 2003, they launched their own Sustainable City Task Force, and in 2006, adopted the "Sustainable City Plan." Through community programs and policies, Santa Monica has taken a proactive approach toward sustainability.

The AltBuild Expo is one of the many outreach programs the city hosts to educate its community members on current green technologies, materials, and designs. In its sixth year this trade show has outgrown the modest venue of an aircraft hanger to now being located in the Santa Monica Civic Auditorium. Green Campus attended the AltBuild Expo to share in the events, and find inspiration for new Green Campus programs.

Upon arrival at the convention, one could see how much Santa Monica is committed to sustainability. Adjacent to the auditorium was a carport fitted with photovoltaic panels charging a row of city-owned electric vehicles. Once parked, attendees were able to climb inside one of IC Green's Model 320 shipping container structures. IC Green creates low-impact living structures from recycled shipping containers. These structures come standard with a green roof and can be positioned on a slab or footing foundation. At this point visitors had yet to enter the actual Alt Build Expo. Once attendees arrived at the registration desk they were encouraged to take the Ecological Footprint quiz demonstrating how much land and water is needed to support one's living habits. The City of Santa Monica handed out leaflets on current programs ranging from Small Business Green Energy Loans to the Sustainable Landscape Grant Program to upcoming water conservation gardening workshops. From there, Living Green welcomed guests with their large display of healthy products and green design solutions. In fact, they had a mobile home outfitted with photovoltaic panels, bamboo and cork finishing materials, and more.

Row upon row of products were presented, from Green Grid's modular green roof components, to Green Gaia's vertical axis wind turbines. Dwell Magazine and Sustainable Industries publications were also present to promote design concepts and green business enterprise respectively. Environmental design organization such

as the U.S. Green Building Council, who promoted their new LEED test, and the Claremont Environmental Design Group (CEDG) were in attendance. CEDG actually helped design parts of Cal Poly Pomona's own Center for Regenerative Studies. Some new products of interest were:



Invisible Structures' line of storm water management products [www.invisiblestructures.com](http://www.invisiblestructures.com)



South Coast Lighting's street lamp that combines solar and wind power  
[www.southcoastlighting.com](http://www.southcoastlighting.com)



Element Four's atmospheric water generator  
[www.elementfour.com](http://www.elementfour.com)

# Did you

**The American Lung Association ranks the Los Angeles, Orange, and Riverside County Metropolitan Area as worst in the nation for Ozone pollution. Another incentive to go Green!**  
[www.lungusa.org](http://www.lungusa.org)

# Know?

## Energy Video

*By Andrew Coyne*

Green Campus is currently producing a video that will highlight the importance of saving energy. It will take the form of a short public service announcement (PSA), illustrating in a dramatic way, the impact that household appliances left operating have on one's power bill. The video will highlight basic facts related to energy and phantom loads, as well as offer practical suggestions for reducing energy usage. This video will help to significantly promote the Green Campus message among Cal Poly Pomona students and staff members. At the beginning of the next academic school year, the video will be part of a larger sustainability awareness campaign. The video will coincide with "Green Steps," the campus-wide sustainability pledge, and the residence hall energy competition. The team plans to present the video PSA on the Green Campus website, during fall University Housing Move-In presentations, and on video screens in the Bronco Student Center. At present, a draft script has been prepared. Next on the agenda is the recruitment of an editor who can assist in the technical aspects of the production stage. We will keep you posted as this exciting project moves ahead!

## First GreenSpace Assessment!

*By Shannon Nowell*

GreenSpace is an intern project that assesses the energy usage of a single office and makes recommendations to occupants on how they can be more energy efficient. Green Campus conducted the first pilot of the program on May 14th at the Facilities and Management Building. Interns measured the plug load of each electronic device in the office, documented potential phantom load devices, took

lux readings on the light quality in each of the workspaces, interviewed employees to assess their habits, and measured the temperature and humidity of the space. Each intern had a page long assessment sheet with specific criteria in which to measure the office's energy use. Once the information was gathered, the results were calculated with a predetermined points system. The Rating system recognizes the energy usage on a scale of Excellent (80-100%) to Poor (0.0%-44%). An excellent rating means, "Most or all attainable sustainable office practices are implemented. Room for improvement continues to exist." The follow-up on the assessment will include a Completion Certificate, a "10 Most Doable Office Tips" poster, CFL's, scratch pads, and recommendations for improvements. Contact Green Campus today for your own GreenSpace energy audit!

## Sustainable Light Design Competition

The Designers Lighting Forum (DLF) of Los Angeles recently held its 11th Annual Southern California Student Lighting Competition on May 12. This year the DLF challenged students to build a better torchiere, a functioning floor lamp using a common self-ballasted 19w compact fluorescent lamp and at least 50%



sustainable materials. Green Campus' intern, Brandon Ro, was chosen as one of the top three finalists out of the 68 competition entries. On the day of judging, Brandon delivered a verbal presentation of his design titled "ECOplexity" before a panel of judges and attendees at the GAM Products Showroom in Los Angeles. Brandon's design consisted of roughly 85% sustainable materials and focused on energy efficiency. Using his Green Campus knowledge, Brandon demonstrated to judges how replacing a typical 300 watt halogen bulb with a 19 watt Compact Fluorescent Bulb (CFL) would help save

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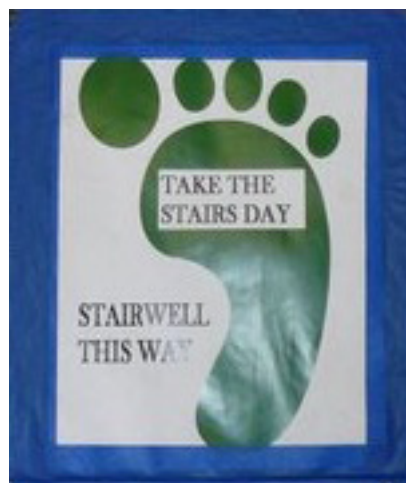


approximately 720 kWh of energy over its lifetime, and prevent as much as 1,140 lbs of greenhouse gases. As a top finalist, Brandon has been invited to attend the local lighting design industry's largest social event, called the Lumen West Awards Ceremony. The winner of the competition will be announced during the event. Good Luck Brandon!

## Plans for Take the Stairs Day: A Campus-Wide Movement

*By Elaine Dulay*

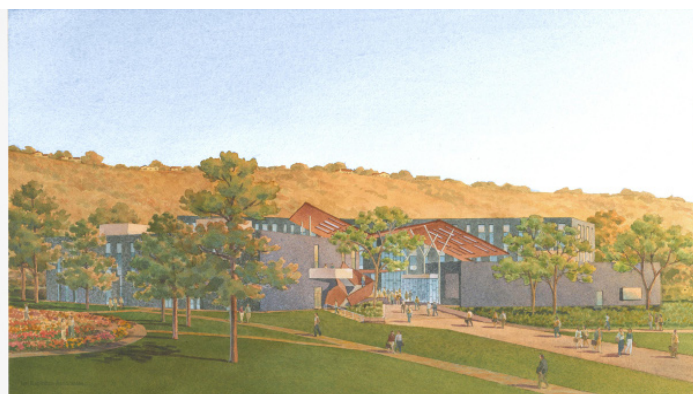
This past March, Green Campus interns worked closely with the University Library to hold a day-long event called "Take the Stairs Day". The team chose to pilot the program in the University Library because of its central location. During the two-hour peak-time period from 12-2pm, interns and volunteers approached a total of 450 students taking the stairs. Because of the high volume of students and staff who participated, interns saw this as an opportunity to create a "take the stairs movement" for an overall increase in health by keeping the body active, energy savings, and greenhouse gas awareness. During the one-day event, students estimated a savings of about \$15.00 from turning off the escalator and dissuading elevator use. Although the energy savings in dollar amount was not much, Green Campus interns see



a greater potential benefit if more students and faculty/staff take the stairs on a regular basis throughout the campus. Additionally, this project is intended to increase student and staff awareness of the importance of energy conservation and efficiency, and also as a means to give the Green Campus Program more recognition. Interns propose that one day out of the week, such as Monday, could be dedicated as "Take the Stairs Day," and are making plans to implement this program in the coming academic year.

## Coming Up in Next Month's Issue

A new Business Administration Building is just around the corner for the Cal Poly campus. In next month's issue we will be featuring a behind-the-scenes look at the planning for that project, exploring, in particular, how the builders plan to make it energy efficient.



### Contact Us!

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