

Green Pastures



Green Campus intern, Ryan Tade, encourages students to take the stairs instead of the elevator in the University Library

Cal Poly Pomona Green Campus Program



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Take the Stairs Day

By Elaine Dulay

On March 4, 2009 Cal Poly Pomona Green Campus interns hosted their first "Take the Stairs Day" educational campaign in the six-story University Library. Between the hours of 12-1P, during library peak hour, Green Campus interns and volunteers were stationed at strategic locations near elevators, to encourage and direct foot traffic to the stairwells, where approximately 480 students and staff took the stairs in a one hour period. In addition to informing participants of the health and environmental benefits of taking the stairs, interns and volunteers highlighted President Michael Ortiz's endorsement of the American College and University Presidents Climate Commitment in 2007. Large and medium size posters were displayed next to elevators on all floors of the building explaining the health benefits, energy savings, and emissions reductions associated with taking the stairs. With the support of Facilities Planning & Management, the team received permission from Interim Dean, Dr. Gilbert Brum, to shut off the escalators all day. Participants were given a small card, with information about how to take the "Take the Stairs" pledge on the Cal Poly Pomona Green Campus website. Pledge takers were entered in a drawing to win a \$20 gift card. Over 40 people signed the pledge to take the stairs rather than the escalator or elevator. Green Campus interns will continue setting an example for the campus community by hosting similar events in spring quarter.



NEWS FLASH!

In March, the Green Campus team began recruiting for two more interns. The new interns will be joining the team in April. We also bid farewell to team manager, Razilee Tadeo.

Upcoming this Spring!

By Ryan Tade & Brandon Ro

Since 1970, Earth Day has been celebrated all over the world. This year, the Green Campus interns celebrate Earth Week with Cal Poly's Green Team and Housing department. On April 21st and 23rd, the collaboration will educate the campus community about energy efficiency, and discuss the significance of phantom loads and the efficiency of compact fluorescent light bulbs. Be sure to stop by our table for trivia prizes and giveaways!

Laboratory fume hoods use three to five times more energy than your average home. Fume hoods are designed to remove toxic gases from laboratories, and are connected to the building's ventilation system, and can waste a lot of energy if they are constantly running when they are not in use. This quarter, the interns will compile the results of their of Constant Air Volume (CAV) fume hoods on campus. While "smarter" fume hoods on campus operate using adjustable flow rates to save energy, constant air volume fume hoods run at the same rate 24 hours a day. There are a total of 66 CAV fume hoods in building 17 and 8. Working with Jesse Ochoa, the Supervising Building Service Engineer from Facilities Management, the team will monitor two CAV fume hoods to analyze their peak energy usage and determine the most efficient and safest air flow rate. Once the most efficient flow is determined Facilities Management can decide how best to address the energy usage of the system. For each fume hood, a modification as low as 10% less than the original flow rate will result in a predicted savings of over 17,000 kWh and \$2500 annually. This will help reduce the energy intensity of these devices, and potentially save the campus thousands of dollars.

Another way Green Campus is realizing measurable energy savings and reducing the campus' carbon footprint through student outreach is by introducing the first campus wide Sustainability Pledge. This pledge supports President Ortiz's signature to the American Colleges and University Presidents Climate Commitment (ACUPCC) by demonstrating that the students are behind him on this issue. The pledge is designed to help educate the student body about how they can make a difference and promote positive behavioral changes on campus and in their everyday lives.



2009 Best Practice Application

By Brandon Ro

Green Campus recently submitted its first application to be considered for the 2009 UC/CSU Sustainability Conference Best Practices Awards. Best Practice Award winners will be recognized during the UC/CSU/CCC Sustainability Conference at UC Santa Barbara from June 21-24. Under the category for Sustainable Operations for Student Energy Efficiency, Cal Poly Pomona's Green Campus Program submitted their application which highlighted significant projects and events over the past year. Since March 2008, Cal Poly Pomona has exchanged over 1,100 Compact Fluorescent Light Bulbs that have contributed to an estimated savings of 88,922 kWh and over \$12,449. In addition, the team completed a lighting audit of the six-story Parking Garage and presented their findings to the Parking and

Transportation Department in August 2008. As a result of their recommendations, Parking and Transportation recently shut off all auxiliary lights in the structure between midnight and 6 AM, an estimated annual energy savings of 154,000 kWh, or \$21,560. Green Campus has also been fortunate to partner with other organizations on campus such as Facilities Management and Planning, Parking and Transportation Services, University

Housing Services, and the College of Environmental Design which has resulted in tremendous energy savings, student outreach, and reduction of greenhouse gas emissions.

All in all, the Green Campus program has helped save over 402,000 kWh and \$56,290 over the course of the past year. That is roughly 388,330 lbs of carbon emissions that have been reduced as a result of the many projects and student outreach from Green Campus, and it is the equivalent of taking 32 passenger vehicles off the road for a whole year!

Did you

Cal Poly Pomona's Green Campus helped prevent **388,330 lbs of greenhouse gases**, from entering the atmosphere since March of last year! That is the same as taking **32 passenger vehicles** off the road for a whole year!

Know?

Metrics

PROJECTS:

Reduce the Juice 08: 121,875 kWh
 Energy Fest 08: 37,112 kWh
 1,106 CLF's Exchanged: 88,922 kWh
 Take the Stairs Day: 167 kWh
 Parking Structure Lighting: 154,000 kWh

TOTAL SAVINGS (March 2008 to March 2009):

402,000 kWh and \$56,290

Be Part of Green Campus

By Razilee Tadeo

CPP Green Campus's recent events have been outstanding and we would like you to get involved! We are looking for volunteers for future CPP Green Campus events. As a volunteer, you would be helping out by educating the rest of the campus community about the program, our goals, and climate change.

Four volunteers assisted during Take the Stairs Day at the University Library by handing out raffle reminders to participants and informing library users about the benefits to taking the stairs over the elevators. The volunteers were given certificates and \$5 Starbucks gift card as a "Thank you."



"Take the Stairs Day" volunteers pose with Green Campus interns after receiving a Certificate of Participation



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

If you would like to be a volunteer, visit our website, www.GreenCampusCPP.org, or send an e-mail to GreenCampus.CPP@gmail.com

Light Switch Stickers

By Ryan Tade

Green Campus interns have once again collaborated with the Housing Green Committee, this time to educate on-campus residents of the importance of switching off lights and appliances when they aren't in use. Light Switch Stickers designed by the Housing Green Committee, will be posted in all resident rooms and main rooms to all six traditional residence halls which will remind students to power down. The anticipated annual savings will far exceed the cost of the stickers, and will help change students' overall behavior in the process. After the campaign, the students will be able to compare results of the energy saved to the energy bills in the past.



Save Energy

When Not In Use, Turn Off Your Lights And Electronics



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Sample of the new Light Switch sticker that will be placed in the residents' rooms and main communal areas

Contact Us!

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