

Green Pastures



Interns, Brandon Ro, Andrew Coyne, and Elaine Dulay pause for a picture with the Energy Trophy during the Energy Competition pizza party.

Cal Poly Pomona Green Campus Program



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Buck the Juice Energy Competition Results in Big Savings

By Elaine Dulay

The results are in! At the end of the month long competition, Green Campus interns have calculated the overall savings per building. Congratulations to Encinitas Hall for taking 1st place in the competition with a 16.95% energy reduction. The competition began with a kick-off party to get residents motivated and excited to participate in the event from October 19 - November 16. It was easy for students to go from being energy hogs to energy savvy with a little motivation from Green Campus and Resident Advisors (RAs) who provided simple tips for students to reduce their carbon footprint.

As an award, Encinitas residents were given a pizza party on November 19. Many residents showed up for the party and were thrilled to win a pizza party. Residents were presented with a robot trophy made of recyclable materials, designed and constructed by Eve Sanford, the Inter-Hall Council Green Commissioner. The trophy will now be awarded to the winning hall after any sustainability competition hosted by Housing and/or the Green Campus program. The pizza party sparked new friendships with students from IHC (Inter Hall Council) who are interested in having

NEWS FLASH!

**Don't forget to take
our online sustainability
pledge!**

Please visit:
[www.greencampuscpp.org/
sustainabilitypledge.htm](http://www.greencampuscpp.org/sustainabilitypledge.htm)

an energy competition at the University Suites. Great job to everyone in reducing their energy consumption during the month long competition. The overall savings is 29,120 kWh or \$4,077 and 46,105 lbs of greenhouse gas reductions! We hope you all continue to apply what you've learned about energy efficiency in your daily lives.

Below are the participating residence halls and their savings calculations at the end of the competition.

First Place- Encinitas-Bldg 20
total savings 16.95%
Second Place- Cedritos-Bldg 58
total savings 15.09%
Third Place- Alamitos-Bldg 22
total savings 12.70%
Fourth Place- Montecito-Bldg 21
total savings 11.54%
Fifth Place- Aliso-Bldg 23
total savings 10.59%
Sixth Place- Palmitas-Bldg 57
total savings 9.29%



Residents of Encinitas celebrate their winning of the Fall 2009 Energy Competition with a pizza party hosted by Green Campus.



Green Campus intern, Andrew Coyne, stands with a member of AIAS during the Recycle Day tabling event.

Recycle Day

By Andrew Coyne and Sandeesh Sidhu

On November 16th, the Green Campus team participated in Recycle Day, a joint effort among Green Campus, the Green Team, and Cal Poly's chapter of the American Institute of Architecture Students (AIAS). The event took place from 12 - 1pm, at the



Eve Sanford (second from right) poses with her creation, a robot Energy Trophy, which will be awarded to the winning residence hall after each energy competition.

November Energy Savings

EVENT	QUANTITY	ENERGY	WATER	CO2 EMISSIONS	\$\$\$
Buck the Juice Energy Competition	n/a	29,120 kWh	n/a	31,537 lbs	\$4,077
Buck the Juice Sustainability Pledge*	52 pledges	129,242 kWh	405,330 gal	467,801 lbs	\$35,873
Savings Subtotal	n/a	158,362 kWh	405,330 gal	499,338 lbs	\$39,950
Grand Total of Savings since 2007**	n/a	850,960 kWh	999,810 gal	1,661,424 lbs	\$164,154

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

entrance of the Interim Design Center (IDC), with representatives from each group engaging students as they passed by. Green Campus interns, Andrew Coyne and Brandon Ro, were on hand to introduce students to the Green Campus Program. The Compact Fluorescent Lamp (CFL) display, now regularly used at tabling events, grabbed people's attention and helped students see how much more efficient CFLs are than regular incandescent bulbs.

The main purpose of this event was to promote the building materials recycling program instituted by the AIAS. In an effort to be more environmentally and economically conscious, students are encouraged to donate any viable materials, such as cardboard, chipboard, foamcore, or wood materials, preferably those that have not been contaminated by glues. Large bins behind the IDC are open on Friday afternoons, starting at 12pm, to collect the materials. These donated materials will then be available for students to use in future projects. If successful, the program will be organized and developed further to include other departments on campus. Green Campus is excited to support other sustainability initiatives, and was glad to take part in the event. Little by little, we're spreading our wings and partnering with other organizations on campus to build a united front in the movement towards sustainability.

Special thanks to Sandeesh Sidhu, AIAS Events Coordinator, for contributing to this article.



Members of the Planning, Design, and Construction office proudly hold their GreenSpace awards presented by interns Brandon Ro (left) and Andrew Coyne (right).

GreenSpace is Helping Pomona Offices Go Green!

By Brandon Ro

The word is out- offices on campus are starting to go green! This fall the Green Campus program's, GreenSpace sustainable office assessment, entered its second pilot phase. The GreenSpace assessment is an evaluation of an office and its occupant's current sustainable practices, resulting in recommendations of how they can be improved.

The Planning, Design and Construction office within Facilities Management and Planning became the

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second office to receive a consultation in October. Green Campus noted positive behaviors, as well as areas that could improve overall office sustainability. Since current lighting levels exceed the current Illuminating Engineer Society of North America (IESNA) standards, one recommendation made was to de-lamp the overhead lighting.

This consists of removing 1-2 bulbs from each light fixture and replacing them with “phantom tubes.” This recommendation and others can help save this office around 5,655 kWh and \$775 a year as well as prevent 6,124lbs of Green House Gas emissions (GHG), which is equivalent to the carbon sequestered by 104 tree seedlings grown for over 10 years (Source: EPA). Upon the presentation of this report the office has received several GreenSpace awards, for office participation and staff recognition.

Next in line are offices within Associated Students Incorporated (ASI) and the Dean’s office in the College of Environmental Design.

If you are Interested in receiving a GreenSpace assessment for your office, please contact the Green Campus Program TODAY! Please email us at greencampus.cpp@gmail.com to set up your office’s very own Green Space Sustainability Assessment.

Energy Efficiency in the Community: Frontier Project

By Shannon Nowell

The Cucamonga Valley Water District (CVWD) has a new demonstration facility in Rancho Cucamonga, and it is open to the public! CVWD parented the Frontier Project Foundation as a non-profit organization created to face some of the environmental challenges of Southern California. This building offers a unique opportunity to see some of the newest energy savings technology implemented in a building that works to educate and promote resource conservation within a



An artists rendering of the Frontier Project (Courtesy of www.ecofriend.org).



A view looking out from the newly completed Frontier Project .



A 3-D model of the Frontier Project (Courtesy of www.ecofriend.org).

community. Additionally, the Landscape Architecture Project Manager is a Cal Poly Pomona Landscape Architecture instructor and graduate, Claire Latané.

The building will soon be a LEED Platinum certified building and features passive and active techniques for energy savings. Best management practices were also utilized during its construction. The Frontier Project includes demonstrations of insulated concrete forms (ICFs) for walls, photovoltaics, daylighting, cooling towers, cisterns, rain gardens and green roofs. However, the project also features elements of the community within the design. A wood shade curtain was created by recycling the wood from old wine casks from the San Antonio Winery, a tribute to the heritage of the community. Additionally, the roof features panoramic views of the foothills.

Local businesses are also collaborators with the Frontier Project Foundation. In fact, the Ontario Reign Hockey Club hosted the Frontier Project's annual "Think Green Essay Contest" and recognized 5th grade winners at the game. At their "Go Green Saturday Night", the team featured green jerseys which they later auctioned off to raise \$27,000 to support the Frontier Project Foundation's educational programming.

The Frontier Project offers "Green Afternoons" at the CVWD where they feature topics on innovative products, systems and valuable techniques to take home and implement. The building is also open for educational tours and class field trips. To find out more information, or to take a virtual tour, check out their website:

www.frontierproject.com

Green Afternoons: 2nd Thursday of every month, from 4:00-5:30pm

Address: 10440 Ashford Street, Rancho Cucamonga

Did You Know?

- Since the beginning of the school year, the Green Campus Program has **doubled its membership subscriptions** to the Green Pastures monthly newsletter.
- The Green Campus website averages around **100 hits per month**.
Check it out at www.GreenCampusCPP.org
- In the past 9 weeks over **240 students** have taken the Buck the Juice Sustainability Pledge.



**ALLIANCE TO
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, PG&E, and Sempra Energy

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