

Girl Scout's  
learning how  
to use a light  
meter

Chino Hills  
Earth Day  
Event

All new  
Lighting  
Panel  
Display

Cal  
Poly  
Pomona

## IN THIS ISSUE

### ARTICLES

#### Girl Scout Class

Grace Jaen

#### Green Team's Earth Week Club Fair

Brandon Sauer

#### Earth Day Activity with Housing

Sony Bui

#### Chino Hills Earth Day Event

Grace Jaen

#### Water Awareness Month

Lynae Salgado

### NEWS

#### Best Practice Award Winners

Julia Hernandez

#### Introducing the Lighting Panel Display

Brandon Sauer

#### Green Space Report



AN ALLIANCE  
TO SAVE  
ENERGY  
PROGRAM



ALLIANCE TO  
SAVE ENERGY



Pacific Gas and  
Electric Company



SDGE

## Best Practice Award Winners

*By Julia Hernandez*

Every year, the PowerSave Campus Program encourages interns from universities throughout the state to enter in the Best Practice Awards hosted by the California Higher Education Sustainability Conference (CHESC). This year the Cal Poly Pomona PSC interns decided to submit their most successful project—The Sustainability Course Guide. After long anticipation, they received an answer and are pleased to announce that they have won The Best Practice Award for Student Sustainability!

As a result of receiving the award, the Power Save Campus interns will also present about the Sustainability Course Guide at the California Higher Education Sustainability Conference in June. The interns cannot state how excited and honored they are to have been among the few who were chosen and would love to thank those who supported in the development of the Sustainability Course Guide including all of the wonderful Cal Poly Pomona students who continue to utilize it.

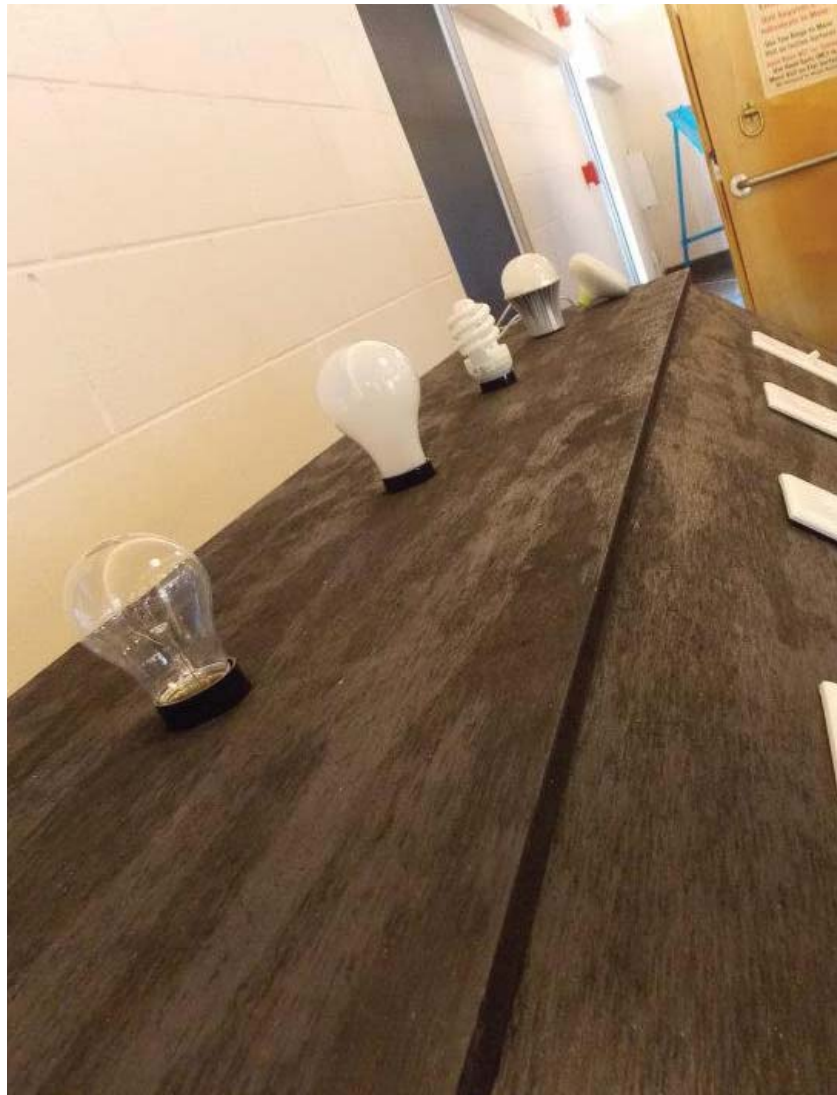
In addition, the Cal Poly Pomona PSC interns would love to congratulate the other PowerSave Campus winners which were UC Berkeley, San Diego State, and UC Santa Cruz. Keep up the great work!



## Introducing the Lighting Panel Display

*By Brandon Sauer*

In order to spice up our outreach events, the PowerSave Campus interns decided it was time to bring something new to the table. Borrowing influence from other PowerSave Campuses such as SDSU, the interns built a Lighting Panel that displays the different energy usages and relative costs of different types of light bulbs. The display consists of a black, wooden base to which 4 different types of light bulbs are wired: incandescent, halogen, CFL, and LED. All of the bulbs are “40 watt equivalent” bulbs and are connected to their own individual switches. There is a Belkin Watt Meter attached to the system that allows the viewer to easily read the different wattages, costs, and amounts of CO2 used to power each bulb. For example, the display shows that while an incandescent bulb will cost nearly \$50 to power for a year, a new LED bulb will cost less than \$10 if left on for an entire year! The display is useful for informing students and people of all ages of the different kinds of light bulbs, which ones are the most energy efficient, and why it is important to use energy efficient lighting whenever possible. We used the panel four times just during Earth Week, at the McCoy Equestrian Center event, the Green Team Club Fair, and two Girl Scout Presentations, and we look forward to using it in various events in the future. Please check the Calendar of Events on our website regularly to see when we will be using the Display next: <http://www.powersavecampuscpp.org/apps/calendar/>





## Girl Scout Class

By Grace Jaen

With lessons one and two already completed by the local Pomona Girl Scout troops, the PSC interns are already brainstorming how to expand the classes and make this community outreach event a recurring project. The objective of this project is to interact with a group of young female students and further empower them by educating them about energy efficiency concepts. The entire PowerSave Campus team met with all 32 Girl Scouts on separate occasions for the first class almost 3 weeks ago. Filled with great fun and educational activities, lesson 1 served as an introduction class to concepts like energy, efficiency, sustainability, and renewable energy. It was easy to see that the notorious bike blender was the highlight of the class. Girls from both troops were fascinated by the bike and couldn't get enough of our smoothies. We also had the girls watch a School House Rock video related to energy and they had the opportunity to make their very own pinwheels to demonstrate the concept of wind power! Lesson 2 went more in depth into energy efficiency and expanded on more technical terms. PSC interns introduced the troops to the different light bulbs through our new lighting panel, then the girls split up into teams and conducted energy and lighting audits in one of their classrooms. The final lesson will take place the second week in May and then an official badge ceremony will be held on May 11th at the Lyle Center!



*Top: Two Girl Scouts working together on a fun worksheet with games explaining energy efficiency.*

*Middle: Lesson 2 covered energy efficiency so the girls made small windmills to better understand the different ways they can create energy.*

*Bottom: Interns Julia and Brandon helped to explain the new lighting panel which was discussed in lesson 2.*

*Right: The lovely Girl Scout ladies working on a lesson 1 worksheet.*





# EARTH WEEK AT CAL POLY POMONA



## Green Team's Earth Week Club Fair

By Brandon Sauer

This Earth Week, PowerSave Campus was invited to participate in Green Team's Earth Week events. On Tuesday, April 23 during U-hour, the interns brought out the blender bike to support the Earth Week celebration alongside the Green Team's "Free Store", as well as multiple other clubs and organizations supporting environmental awareness such as the Cal Poly Pomona Bicycle Club, The Health Center, and Botanicus Plant Club. The Bike Blender is one of our team's favorite and funnest methods of teaching viewers the many ways that saving energy can benefit them, such as receiving free smoothies without the use of electricity!

On Wednesday, April 24, Green Team also held an all-day event in Ursa Minor in the BSC where multiple speakers from different organizations came to campus to discuss environmental issues. PowerSave Campus was invited to set up a display to provide more information on energy efficiency to the participants of the event. This was a perfect opportunity to test our new lighting panel: a stand-alone display that does not require much explanation. Through both events we were able to reach out to nearly 100 people and teach them about Sustainability.



*Top left: People always gather around to see how the bike blender uses mechanical energy to make smoothies!*

*Above: Members from the Green Team were creative in showing how clutter free a tote bag is compared to a wasteful collection of plastic bags.*



## Earth Day Activity With Housing

By Sony Bui

On Tuesday April 23, the PowerSave Campus interns and University Housing Services held their own Earth Day Activity in front of the Palmitas Residence Hall. As a campus, the Earth Day event was especially held in order to remind students on campus about the environmental impact everyone has on the Earth. While University Housing staff decided to promote their newly planted vegetable garden, PowerSave Campus interns took this opportunity to display the lighting panel to demonstrate the effect of different light bulbs on carbon gas emission. Although the lighting panel is still not widely known on campus, it is making its impression onto some students who are interested.

# Chino Hills Earth Day Event

By Grace Jaen

In honor of Earth Day, the PowerSave Campus team was invited to participate in the McCoy Equestrian and Recreation Center’s annual Earth Day event in Chino Hills. Families and friends from all around came for a full day of fun and learning as they explored the ranch style rec center. The PowerSave Campus interns highlighted their mechanical bike blender that they always use to make smoothies and their newest educational tool- the lighting panel. The lighting panel displays 4 different types of light bulbs, each with their own light switch and a meter that displays the wattage and cost of each light when turned on. Over 150 attendees stopped by our station, including a local Cub Scout troop, Cal Poly Pomona alumni with their kids and Mayor Peter Rogers of Chino Hills. PowerSave Campus shared the indoor space with other sustainability related organizations like Amy’s Farm, a polyculture farm (meaning they grow multiple crops in the same space) that provides hands-on, guided tours to students of all ages. As a non-profit organization, they strive to educate others about health and sustainability, while cultivating an environment of social justice, friendship and community life. The PSC interns were honored to have participated in an educational community event such as this one that gets families together to learn about sustainability and how fun it can be. We can’t wait to go back next year!



Top: PSC intern Sony Bui demonstrates the new lighting panel to a group of Cub Scouts. Middle: A local Chino Hills Cub Scout Troop checks out the mechanical bike blender and how it wastes no energy!

## POWERSAVE CAMPUS BY THE NUMBERS - MAY 2013

	QUANTITY	WATER	CO2 EMISSIONS	\$\$\$	ENERGY
ENERGY SAVINGS					
Potential - Sustainability Pledge	48	92,000gal	22,700lbs	\$2,200	15,000kWh;
OUTREACH					
Events Held/Participated In	8				
People by Tabling Events	252				
Spring 2013 Sustainability Course Guide Views	194				
COMMUNITY					
Earth Day Celebration at McCoy Equestrian Center	150				

NOTES: \*Comprises potential, projected savings for this month because these savings were acquired over this past month



## ASI Administration Office

By Sony Bui

This month, let's hit the spotlight for the ASI Administration at the Bronco Student Center for becoming the next office achieving the Green certification in sustainability! Led by Rashonda Johnson as the Green Delegate, the ASI Administration is a small office consisting of only three office workers. As the Green Delegate for her office, Roshanda went through the Green Space Assessment by presenting innovative sustainable points in her office. A good way to remind her office about flipping the switch off, Rashonda's office has signs above light switches to promote good conducts of turning off lights when not needed. These small efforts may not seem much, but they can bring about reducing much unnecessary wasted energy. All in all, congratulations to Roshanda and her office for their outstanding works toward sustainability!

Interested about the Green Space Program? You can learn more about it at our website at <http://www.powersavecampuscpp.org/greenspace.htm> or send us an email at [greencampus.cpp@gmail.com](mailto:greencampus.cpp@gmail.com) if you have any questions.

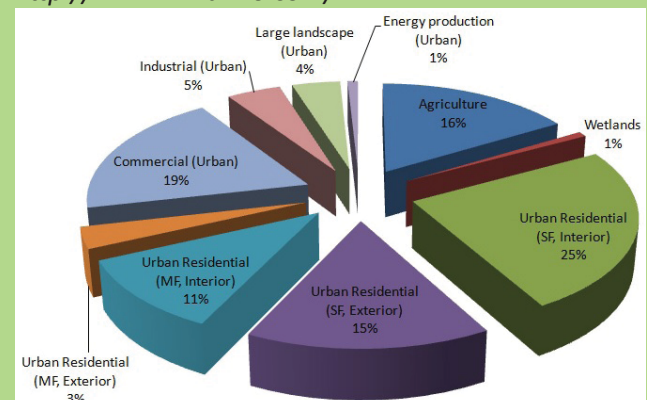


## WATER AWARENESS MONTH

Every year, the month of May is recognized as Water Awareness month! In California, about 77% of water is used for agriculture, however in southern California urban residentials consume most of the water (Can be seen in green in the chart). This means that people in SoCal can easily conserve water just in their homes! There is a great effort in SoCal to encourage and educate people on conserving water. The California Water Awareness Campaign is "a year-long effort by organizations throughout California to heighten public awareness about the conservation, supply, quality, and distribution of water" (wateraware.org). During May, water agencies around California implement public educational events to spread the message of "Use Water Wisely." These educational events can be smart landscape design workshops, water treatment facility tours, interactive displays and many other fun and unique activities fun for all ages. With all these great events going around California, the interns plan to bring Water Awareness to the CPP halls and suites! Intern Sony Bui is brainstorming with UHS Assistant to the Executive Director, Elena Aleman, to encourage residents to conserve water and share their water saving tips!

To find some Water Awareness Month events near you and to learn more about how you can conserve water, check out the sites below:

[http://www.wateraware.org/wa\\_month.asp](http://www.wateraware.org/wa_month.asp)  
<http://www.saveourh2o.org/>  
<http://www.mwdh2o.com/>



<http://www.environment.ucla.edu/reportcard/article.asp?parentid=4870>

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