

Green Pastures

CAL POLY POMONA



Congratulations to our Green Certified Offices!

and featuring Stakeholder of the Month George Lwin!



AN ALLIANCE
TO SAVE
ENERGY
PROGRAM

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What is the PowerSave Green Campus Program?

The Alliance to Save Energy's PowerSave Green Campus Program empowers college students to be tomorrow's energy efficiency leaders. Currently on 16 universities and colleges and employing over 100 interns each year, the program engages students in building pathways to green careers, realizing measurable energy savings, infusing energy and energy efficiency concepts into academic curricula, and promoting energy efficiency awareness. Green Campus interns work closely with faculty, staff, administrators, and other students to engage them in energy efficiency projects.

For more information please visit our website:

www.GreenCampusCPP.org

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Congratulations!

To the new Green Space Certified Offices:

Student Support and Equity's Program

Office of the Vice President for Student Affairs

Dean of Students/Judicial Affairs/Office of Student Life & Cultural Centers

On the Cover

To reach our top certification level in Green Space, many offices use innovative ideas to promote sustainability such as this "Green Float" that was entered in a department competition. Also, Cal Poly Pomona's very own Energy Services Manager, George Lwin.



Right

The pride and joy of Cal Poly Pomona, Arabian horses, are housed in stables on campus which the team is currently working on to make more efficient, read more on page 5!

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ALLIANCE TO
SAVE ENERGY

Creating an Energy-Efficient World



Sempra Energy utility



Sempra Energy utility

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Green Space Certification for the Office of Christa Sloma & Marla Williams

By Sony Bui

It is time to announce our Green Space Green certified offices! This month, two offices have successfully reached the Green Rating for the Green Space Office Certification. Congratulations to Marla Williams from the Dean of Students/Judicial Affairs/Office of Student Life & Cultural Centers for displaying remarkable innovative green savings in her office! As the Green delegate for her office, Marla utilizes new ways to reduce printed papers by using Bronco ID swipe cards during event registration and iPods for students to use during the Student Voice assessment! By doing so, her office was able to reduce paper and ink consumption!

Another office that requires recognition would be the Office of the Vice President for Student Affairs. Congratulations to Christa Sloma and her office in receiving a Green Rating for the Green Space Office Certification! As an Administrative Support Coordinator and a Green delegate, Christa Sloma worked with her office to promote a Holiday Social for the Division of Office Affairs by creating a department mini Float Competition. Participating departments are judged by the Green Committee on creativity, sustainability and the usage of recyclable products for their floats. Not only does this competition demonstrate recyclable usages, it also sends a message about sustainable practices.

Again, congratulations to the two offices on their Green Certification and their outstanding works leading to higher sustainability!



Photo Above: Innovation points are given to offices that encourage sustainability in ways not listed in the Green Space Assessment List, this office held a "Green Float" department competition.

Student Support & Equity's Program now Green Certified!

By Grace Jaen

Yet another hardworking office on campus has become Green certified through our Green Space program! Congratulations to the Student Support & Equity Programs department who strove for sustainability greatness with their creative recycling efforts and movement toward going completely paperless through electronic filing. Kim McAllister, Assistant to the Executive Director, was key in the department's certification. As the green delegate, Kim submitted the department's initial application, managed her department's various duties required by the program, and completed the final checklist for the final office assessment. PowerSave Green Campus is proud to recognize the Student Support & Equity Programs department as one of our latest, sustainable, Green certified offices on campus.

To learn more about how your office or department can apply for Green Space, please visit our website at: www.powersavecampuscpp.org/greenspace

Stakeholder Spotlight: George Lwin

By Crystal Huang

PowerSave Green Campus interns have had many successful projects since its implementation in 2006, and among the many include lighting retrofits, successful outreach projects, workforce panels, and energy audits across campus. Although the interns work hard to make this possible for our campus, we could not have done any of it without our stakeholder of the month, George Lwin. Balancing his many duties as the Energy Services Manager, George also makes time to supervise and support PowerSave Green Campus and has been crucial in realizing efficiency goals for our many projects. For example, the Parking Structure Energy audit conducted early in the program in 2008, resulted in savings of over 200,000 kWh and \$29,000. An extensive project, interns went through the entire structure and made recommendations which were made possible by working closely with George throughout the project. Currently, George has been great help in modifications to our Green Space program and his advice never fails to help realize our goals. As a small student group on campus, we are lucky to be able to work so closely with a stakeholder that fully supports our program objectives. It is truly support from stakeholders such as George that fuel and encourage student groups such as ours. George, thank you for all your continued support, and we are happy to feature you in our first stakeholder spotlight.



Photo Above: George at the 2011 Spring Stakeholder Meeting with intern Crystal, stakeholder Rani Khushalani and team lead Danielle Lauber.

Photo at Top Right: George with former Alliance Staff member Jennifer Alvarez and former intern Brandon Ro at the 2008 CSU Facilities Management Conference.

Photo to Right: George helping to make delicious bike blender smoothies during 2011 Bike Week with former intern Cynthia Joe.



Arabian Horse Center Saving CPP Money

By Grace Jaen

If you can call yourself a Cal Poly Pomona Bronco, then you know that the Kellogg Arabian Horse Center is the heart of our university. When W.K. Kellogg, founder of the Kellogg Company in Battle Creek, Michigan, donated his ranch to the state of California in 1949, he had two contingencies. One, the property was to be used for educational purposes. And two, the traditional Arabian horse shows, which were started by Kellogg back in 1926 to demonstrate the beauty and versatility of the Arabian horse, be continued. And with impacting, sustainable efforts being made throughout the entire Cal Poly Pomona campus by PowerSave Green Campus interns, such as the Parking Lot Lighting Assessment, which yielded potential savings totaling 5,494,710 kWh, 3,758,381.64 lbs of CO₂ and \$714,312.30 over 15 years, it seemed only natural to have the Center join in on all the energy saving fun! This past month, myself and Facilities Energy Services Manager George Lwin were led on a tour of the Center by Farm Manager Katie Smith, where we were able to assess the property for areas of possible energy and water savings. Congratulations to them for operating with few incandescent bulbs, and instead using CFLs, which use about 75% less energy than a traditional incandescent bulb and lasts at least 6 times longer!

With the help of Ms. Smith, Mr. Lwin and I were successful in locating a few areas where the Center and CPP could be saving energy, water and money! The gas powered water heater, used mainly for when students have to give their horses baths, has no insulation. With the installation of a water heater blanket, we could potentially save 10-40% of water heating costs. In addition, we discovered some lights that are on programmed timers were left on during the day, causing energy and money to be wasted. By reviewing each timer individually, we can make sure they are programmed correctly and not being left on during the day when they are not needed.

The PowerSave Green Campus team is excited to continue working with the Center's staff in making the late Kellogg's ranch more sustainable and believes this will be a fun and rewarding project, that will benefit students and horse lovers for years to come.



Photo Above: Some of the inefficient bulbs found in the stables are high pressure sodium like this one found in the barn.



Photo to the right: Intern Crystal taking count of the bulbs in all of the stables.

Photo Below: Some areas in the horse stables already use CFL bulbs like the one shown below, a CFL bulb lasts at least 6 times longer than an incandescent bulb.



Energy Efficient Tips for Summer

By Brandon Sauer

Summer is in full swing here in Southern California, but there are plenty of ways you can stay cool without burning up money on energy!

Keeping the house cool:

- 🌱 Turn the thermostat up or off if possible when no one is home. 78 degrees is the recommended comfort level during the heat of the day.
- 🌱 The use of ceiling fans can also help by moving the air and keeping it cool, which means less work for your air conditioning unit.
- 🌱 Close the vents and doors to bathrooms and unused rooms so the cool air can be used in more populated areas of the house.
- 🌱 Close the curtains and drapes to keep out all that extra heat and open the windows to ventilate in the cooler evenings.
- 🌱 Replace the air filter monthly and make sure the outside unit is clear of debris. The better the air moves, the easier it is for the unit to do its work.

Water:

- 💧 Using the dishwasher takes much less water and time than it does to wash dishes by hand.
- 💧 Only do laundry and dishes with full loads.
- 💧 Take shorter showers! You're only going to get sweaty again anyways. Cooler showers can also be refreshing.
- 💧 Install low-pressure shower heads. These can save up to 50% of water used on showers.
- 💧 Make sure your water heater is blanketed is set to no more than 125 degrees. The water heater is a sneaky thief when it comes to energy.

Appliances and Devices:

- 💡 Unplug devices, lights, and appliances when they are not in use. "Phantom Loads" make up a surprising amount of your energy bill. This is where on/off surge protectors come in handy!
- 💡 Zap it! The microwave uses significantly less energy than the stove.
- 💡 Recycle that old fridge in the hot garage, or unplug it for the summer. Every degree your fridge has to compensate for is more money out of your pocket.
- 💡 Flip the switch! Turning off the lights will not only save energy, but will also reduce the heat released by the bulbs.
- 💡 Air drying those beach towels and swim suits will save you loads in no time with this heat.



Implementing just a few of these tips could save you hundreds on your energy bills this summer!

Tips compiled from: www.consumerenergycenter.org, www.energysavers.gov, www.fypower.org and personal savings.

Green Campus By the Numbers - August 2012

EVENT	ENERGY	WATER	CO2 EMISSIONS	\$\$\$	People Attended
Sustainability Pledge*	5000 kWh	34,700 gal	8,600 lbs.	\$970	22

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

Social Media Action

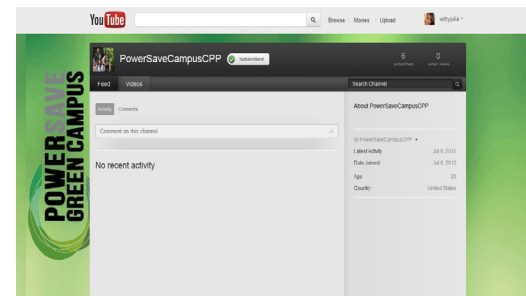
By Julia Hernandez

The PowerSave Green Campus Program always strives for expansion of outreach when it comes to informing students, faculty, staff, and the community about energy and water saving practices. With social media at the height of popularity, the PowerSave team decided it was time to take advantage of this fact.

Starting off with the most essential tool of this age, a Cal Poly Pomona Power Save Green Campus Facebook fan page was created. The page will be used to communicate to Cal Poly students about upcoming events, weekly energy saving tips, and promotional videos. Students will also be able to interact with the team, ask questions, and comment on photos and posts.

In order to promote videos on Facebook, the team decided that YouTube was the next social media site to be created. The channel will broadcast promotional videos of upcoming projects, energy and water saving tips, and other educational videos to better involve audiences.

The team plans to move forward with even more social media sites, hoping to attract future energy and water savers. Social media sites such as Twitter, Reddit, and Tumblr are also in the process of being utilized to better the program's outreach. The availability of using multiple social media sites is necessary to reach as many individuals at one time; therefore, the team expects positive results.



Green Space Certification Changes

By Crystal Huang

Green Space, an office audit certification that is one of PowerSave Green Campus's most successful and enduring projects, has already certified more than 5 offices! However, like other projects, it can always get better. Therefore, we are happy to announce that Green Space is currently being revamped to include many new features that will gear the program more towards an energy audit and educational tool for all those involved.

Among the pending changes are an optional in-office lighting audit and recommendation follow-up sheet, revisions to the checklist, and even a new certification level! We are excited for this new change and hope it will make the assessment more enjoyable and educational for the applying offices. Please visit our website for up to date information on the changes being made to the Green Space Office Certification program.



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