

THE GREEN INSIDER

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Around the
World!

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AN ALLIANCE
TO SAVE
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ALLIANCE TO
SAVE ENERGY



SOUTHERN CALIFORNIA
EDISON



PACIFIC GAS AND
ELECTRIC COMPANY



SDGE

v.VII | n.4 | April 2013

REFLECTING UPON EARTH HOUR

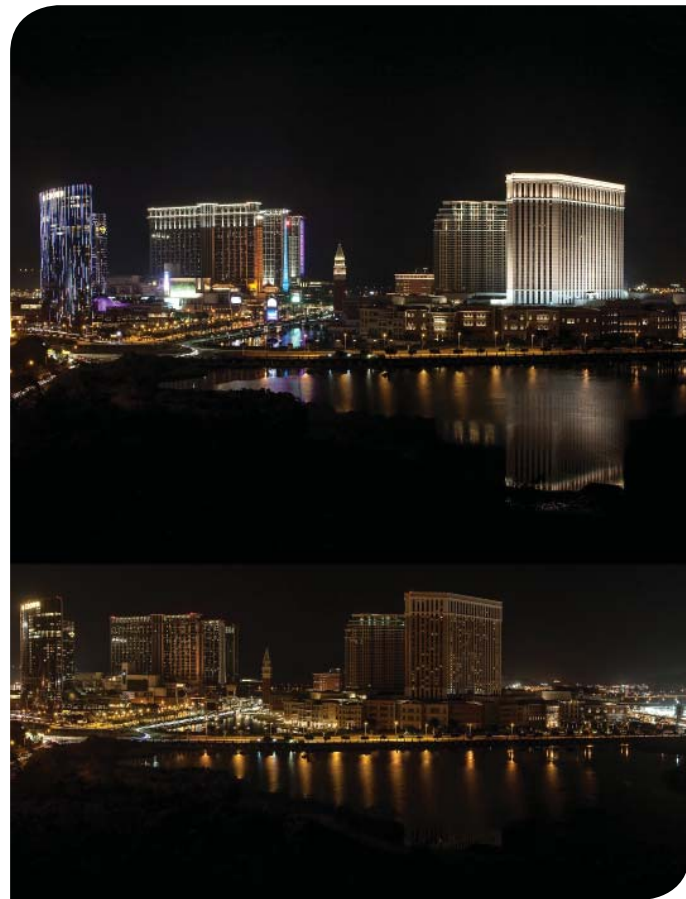
By Julia Hernandez

On Saturday, March 23 at 8:30 P.M. the Earth went dark. Individuals from all cultures, backgrounds, and ideals collectively acknowledged the much needed effort in saving the environment by shutting off all unnecessary lights and appliances for one hour around the world. Because an hour of darkness couldn't be obtainable at the exact same time all over the world, countries participated during 8:30 P.M. standard time in each particular time zone.

Although the effort seemed to raise awareness world wide, businesses and individuals alike decided to go beyond the act. Some, like former President of Botswana, Festus Mogae, participated in an ongoing Earth Hour challenge called "I Will If You Will" by pledging to plant one million indigenous trees over the course of four years. His spirit and those who participated in Earth Hour exemplify the constant effort that we, PowerSave Campus interns, wish to incite in our peers. As Andy Ridley, CEO and Co-founder of the Earth Hour movement, stated "People from all walks of life, from all nations around the world, are the lifeblood of the Earth Hour interconnected global community. They have proven time and time again that if you believe in something strongly enough, you can achieve amazing things."

We hope that next year you will join us, PowerSave Campus, in celebrating an hour in the dark on March 29, 2014 at 8:30 P.M to 9:30 P.M.

Source: "Earth Hour More Than Lights Off." Earth Hour Global. WWF, <<http://earthhour.org/global-launch-2013>>



Front Cover: Hong Kong

Above: Macau, Cotai (<http://www.earthhour.org/media-centre>)

Campus Conservation Nationals 2013 Ends with Excellent Savings!

By Brandon Sauer

WATER 22450 gal
ENERGY 5680 kWh
MONETARY \$936
EMISSIONS 5835 lbs

Campus Conservation Nationals 2013 has finally come to an end! The residents at Cal Poly Pomona have been competing against over 200 universities to save water and energy in the halls and the suites on campus. The competition ended on March 6th, and we calculated a total of 5,680 kWh and 22,450 gallons, which equates to a saving of almost \$1000! The residents saved this much in only three weeks here at Cal Poly Pomona, so imagine the power of saving like this year-round. Also, we would like to thank Elena Aleman from University Housing Services, Barney Wright from Facilities Management, and all of the residents that made the competition a success!



Upcoming Girl Scout Troop Class

By Grace Jaen

The PowerSave Campus interns at Cal Poly Pomona do so much for their peers and campus community in regards to energy efficiency and it is an honor to be a part of this amazing program. This time, the PSC interns are reaching out to the Pomona community to get them more involved with what we love to do most- saving energy and water. The team is getting together with two local Pomona Girl Scout Troops throughout the months of April and May to promote these two goals, while empowering them to further educate others in their community about the knowledge they will gain. The three 1-hr sessions will consist of interactive demonstrations like the mechanical bike blender and Energy Hog skit and various lesson plans relating to topics like renewable energy, sustainability, and energy/water conservation. The purpose of this project is to reach out to the Pomona community and introduce these young girls to the importance of energy efficiency and sustainability and teach them how they can get involved at school and home with saving their planet. The Girl Scouts of America is a wonderful youth building program with their mission statement reading, "Girl Scouting builds girls of courage, confidence, and character, who make the world a better place." And the PSC team wants to get involved and help further the girls' confidence and help them discover who they are and what they love so that can make a positive difference in the world. At the end of the sessions, the PSC interns are going to get both troops together for the award ceremony, where they will be presented with an official "Power Savers" energy efficiency badge, designed specifically for the girls by PSC intern, Grace Jaen (that's me!).

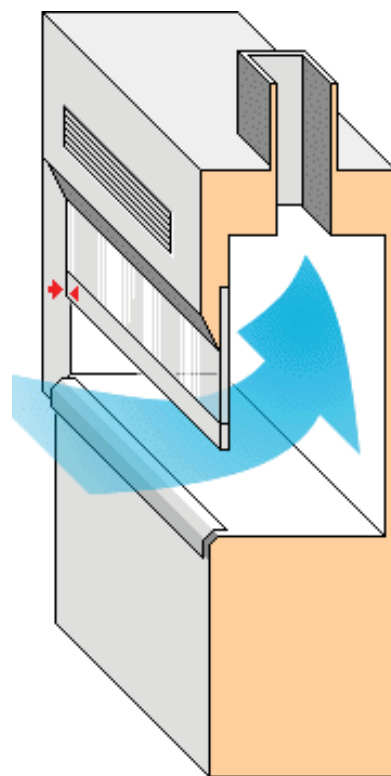


Sources: http://www.girlscouts.org/who_we_are/facts/

Fume-Hood Energy Savings Presentation

By Lynae Salgado

Although most project ideas come from the PSC interns themselves, often times project ideas are also shared from our on campus facilities department. Energy Manager George Lwin suggested a project idea where we research, develop an outline and present to CPP technicians on possible energy savings from proper fume-hood sash closure. Fume-hoods can be found at multiple buildings on campus, mostly science labs. Fume hoods protect the laboratory user from dangerous chemical fumes by vacuuming the air out of the lab. They use an extreme amount of energy on campus. In fact, one fume hood can use the same amount of energy as nearly three and a half houses! Currently the interns are finishing the research on potential fume-hood energy savings and calculating the number, type and location of all fume-hoods on campus. The presentation will be recorded so that future technicians can view the presentation. The interns hope to reach a great amount of outreach from this project. Due to the tremendous amount of potential energy savings from continuing this project, the interns plan to run a Fume-Hood Energy Savings Campaign that will reach out to many CPP students and educate them on energy savings from proper fume-hood sash closure.



Sources: <http://www.bu.edu/energy/files/2011/05/Fume-Hood-resentation-2.pdf>

Division of Student Affairs: Financial Aid

By Sony Bui

This quarter, the PowerSave Campus Team would like to announce that the Division of Student Affairs: Financial Aid is the very first office to go through the process and complete the Platinum Certification! We would also like to congratulate Marcia Starcher and her office for taking the extra steps further into the Green Space Certification where additional savings can be reached through simple practices. From measuring footcandles of lighting fixtures to taking kilowatt hour measurement of a refrigerator with the plug load meter, we were able to gauge the average kilowatt hour consumption of an occupied office space. With Ms. Starcher's office, due to excessive lighting in an office room, the interns suggested the office to take advantage of daylighting and turning off one of the lighting fixture in each office space. By simply turning off one light fixture, an office can reduce the kilowatt hour consumption tremendously over a long period of time! Again, congratulations to Ms. Starcher and her office on being the first office to be awarded the Platinum Certificate and thank you for your cooperation through the process!



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 if you have any questions.





Collins College Kitchen Efficiency Class

By Lynae Salgado

At the PSC Energy Efficiency Summit in mid-February, some of the interns attended an Energy Assessment 102- Kitchen and Dining class held by FishNick representative and former PSC intern, Kong Sham. FishNick, Food Service Technology Center stationed in San Ramon, California is the leading industry in commercial kitchen energy efficiency and appliance performance testing. The energy assessment prompted interns to implement a project focusing on kitchen efficiency at CPP’s very own Collins College of Hospitality Management. In the past, PSC interns organized student and staff learning sessions at CPP with FishNick representatives. For this project, the interns plan to invite students to attend kitchen efficiency classes held by So Cal Edison and So Cal Gas covering topics such as EE Ice Machines, efficient lighting, foodservice equipment, etc. In the end, interns will run a kitchen audit with students. The interns plan to work closely with FishNick representative Kong Sham who will coach the interns through the kitchen audit process and the important classes to attend held in southern California. The project will offer students a unique opportunity on kitchen efficiency that will encourage them to focus their future careers in sustainability.

Current Event Blurb: Energy Czar Steven Chu Steps Down

By Julia Hernandez

The well-known physicist and Secretary of Energy, Dr. Steven Chu, is stepping down from his post in the White House this month. While Chu focused on the research of clean energy technologies, others like Representative Darrell Issa, Chairman of the House Oversight and Government Reform Committee, wish to see more of a focus on removing the barriers for the safe use of proven technologies with the next Secretary of Energy. While environmentalists await for the presentation of a new Energy Czar, Chu is eager to go back to where he feels most comfortable--a life of researching and teaching. President Obama left Dr. Steven Chu with a few words of praise for a heightened support of research into “groundbreaking innovations that could transform our energy future.”

Source: Wald, Matthew L. “Energy Secretary Is Resigning After 4 Years Focused on Clean Technologies.” The New York Times.



A POWERSAVE RECYCLED ARTICLE

This month's PowerSave Campus recycled article comes from the team at CSU Chico. It explains the process of getting a SmartMeter™ installed on your home. The energy provider in Chico is PG&E, however, more information for Southern California Edison's SmartMeter™ program can be found at: <https://www.sce.com/wps/portal/home/customer-service/my-account/smart-meters>

Did you know that you could be contributing to energy demand management without even lifting a finger? As SmartMeter™s are installed across the state, our utilities companies are working proactively to change the face of energy management. This technology is just one of several that is bringing the idea of a SmartGrid to our state and we can utilize this opportunity to contribute, as well as reduce our own energy costs.

The process is as follows:

Prepare for the installation by:

- *Providing access to your meter*
- *Securing hazards such as dogs, or other dangers*
- *Unplugging sensitive equipment— computers, televisions, etc.*

The utility or an authorized contractor performs installation. It's quick, simple and you do not even need to be present.

- *Gas service is not interrupted*
- *Electric service may be interrupted for about 5 minutes*

The third step is the most important.

- *After 60-90 days, you can access your energy usage information to view your usage over intervals of time.*
- *The PG&E website does a great job of highlighting the benefits: "now you can easily find out exactly how much energy you are using over the course of the day, week, or month-valuable information you can use to make smarter energy choices" (PG&E.com).*

This technology is iterative, but integrative. It is the first step on a road to the SmartGrid, and will allow us to make smarter decisions about our consumption and usage. In addition, it assists the utility companies with providing "safer, more reliable, more sustainable and more flexible energy services" (PG&E.com). By responding to energy waste, we can become more informed, and therefore more efficient.

The full CSUC Newsletter can be found at:

http://issuu.com/powersavecampus/docs/csuc_march_2013/1



CONTACT US!

PowerSave Campus Interns:

Grace Jaen: graceajaen@gmail.com

Sony Bui: sonyybui@gmail.com

Julia Hernandez: juliaannehernandez@gmail.com

Brandon Sauer: brandonsauer17@gmail.com

Lynae Salgado: lsalgado64@gmail.com

Editor In Chief

Senior Editor

Contributors

Danielle Lauber

Lynae Salgado

Grace Jaen

Sony Bui

Julia Hernandez

Brandon Sauer

Power Save Green Campus General Inquiries:

greencampus.cpp@gmail.com

www.powersavecampuscpp.org