

**Fume Hood
Project
Update**

**Cal
Poly
Pomona**

**Farewell to
Sony**

**Introducing
our new
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**Introducing
our new
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AN ALLIANCE
TO SAVE
ENERGY
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INTRODUCING OUR NEW INTERNS!

Jomel Bautista

Jomel is a second year Civil Engineering major at Cal Poly Pomona. He hopes to explore hands-on projects that highlight the importance of green technology and practices. He plans to integrate such knowledge in his future career in structural engineering and eventual project management. Jomel also spend his times in other divisions of the campus as well. Currently, he serves as the Associated Students, Incorporated, Secretary of Education and is involved with the American Society of Civil Engineers and Colleges against Cancer. In his free time, Jomel enjoys playing basketball, cooking foods, listening to music, running, reading, and spending time with family and friends.



Arpy Kasparian

Arpy is a first year graduate student working towards her masters in Regenerative Studies at Cal Poly Pomona's inspiring Lyle Center. She is very excited to apply all she's learned about sustainable practices to energy and water saving projects here on campus. She looks forward to working with PowerSave Campus to snap students out of their inconspicuous consumption habits and to build awareness of such issues throughout the Pomona community. When she's not actively trying to save Mother Nature, Arpy loves spending quality time with her, whether it's by canoeing the Missouri River, going backpacking in The Smokies, or camping out underneath the stars of Montana.



Ryan Goff

Ryan Goff is a first year Mechanical Engineering student here at Cal Poly Pomona. He looks forward to learning about sustainability practices and procedures and looks forward to applying them to his time working in industry after obtaining his degree. Ryan also looks forward to becoming more involved in campus and is currently participating in the American Society for Mechanical Engineers and the Cal Poly Pomona Robotics club. In his free time, Ryan also enjoys hanging out with friends, going camping, and watching movies.



Greenovation Funding

By Brandon Sauer

As a PowerSave Campus intern, students learn many valuable skills that can be used in future careers. Most recently, the interns had the opportunity to write a grant for the California State Student Association (CSSA) Greenovation Fund. The Greenovation Fund was started in 2011 “as a resource to fund student-led sustainability projects at CSU campuses” (www.csustudents.org). The interns found out about the grant in early November, and set out to quickly establish a project that could utilize the recommended amount of \$1,000. With the due date right around the corner on November 29th, the interns decided it was best not to reinvent the wheel. They constructed a proposal based on a popular project among other PowerSave Campus teams: a showerhead retrofit in the on-campus residences. The interns planned on coordinating with Facilities Management and University Housing Services (UHS) in order to replace over 150 showerheads in the six residence halls in the North-East corner of campus with heads that use less water.

A showerhead can be measured based on the number of gallons of water that are sprayed from the showerhead per minutes (gpm). The current showers in the halls are measured at 2.5 gpm, which is already relatively efficient in comparison to some old showerheads that could measure anywhere from 3 to 6 gpm. With estimated projections, interns were able to determine that by switching the current 2.5 gpm heads with more efficient 1.5 gpm heads, the annual savings would be over \$20,000 on water and energy. With savings like this, the showerheads would be expected to pay for themselves within less than a month. Along with these substantial savings, the project was also geared toward informing students of proper use of the showerheads as well as the actual savings resulting from the retrofit through educational graphics.

Unfortunately, the grant proposal was not approved by ASI Administration for submission. Upon contacting UHS about the project idea, it was deemed that the project would not satisfy the given timeline to be completed within the academic year. There is hope for this project, however, as UHS has expressed interest in implementing a similar project in the future. Water conservation has been selected as a primary goal of the campus Green Committee, which will hopefully provide PowerSave Campus interns with the ability to work alongside on similar projects in the future.

To learn more about the Greenovation Fund go to, <http://www.csustudents.org/whatwedo/greenovation.shtml>

INTRODUCING OUR NEW TEAM LEAD, CHASE LIVINGSTON!



Chase Livingston joined the Alliance to Save Energy in October, 2013. He serves as campus lead for the PowerSave Campus programs at UC Berkeley, CSU San Bernardino, and Cal Poly Pomona. Chase was drawn to this program because of the pragmatic, interdisciplinary approach that it employs to address some of the most pressing global issues of our time.

Originally from Hawai'i, Chase attended The University of California, Berkeley, graduating in 2012 with a bachelor's degree entitled "The Policy and Ecology of Sustainable Energy." Growing up in the Hawaiian Islands had a profound impact on his understanding of the world by demonstrating the finite nature of resources and energy as we know them. As he studied the issues relating to climate change and the complex power structures that influence our response, he became convinced that our current energy paradigm is inefficient, environmentally destructive, and ultimately unsustainable.

Prior to joining the Alliance Chase worked in natural resource management, youth development, and community empowerment. When he is not at work you can find him in the mountains, in the ocean, or playing music.

Retiring Intern Sony Bui

Sony Bui is currently a fourth year Electrical Engineering student and has been a fantastic member of the team since December 2011. Sony has always had a great passion for sustainability focusing mainly in technology. Electrical Engineering has steered Sony to PowerSave's more technological projects that prove great water and energy savings such as the WIFI Thermostat Project, Green Space Program, energy and water competitions in the halls and suites and the Sprinkler Awareness Program. In addition to his work on these and many more projects, Sony served as both the team's Treasurer and Webmaster. PowerSave Campus also helped Sony build valuable skills in budgeting which actually led him to win 2012 Best Treasurer at the PowerSave Campus' End of the Year Summit. Sony has been a very valuable intern on the team and is an excellent team player. After leaving PowerSave, Sony is still motivated to be involved on various campus activities and clubs.

We all wish Sony the absolute best in his future endeavors and thank him again for his terrific efforts working on the PowerSave Campus team!



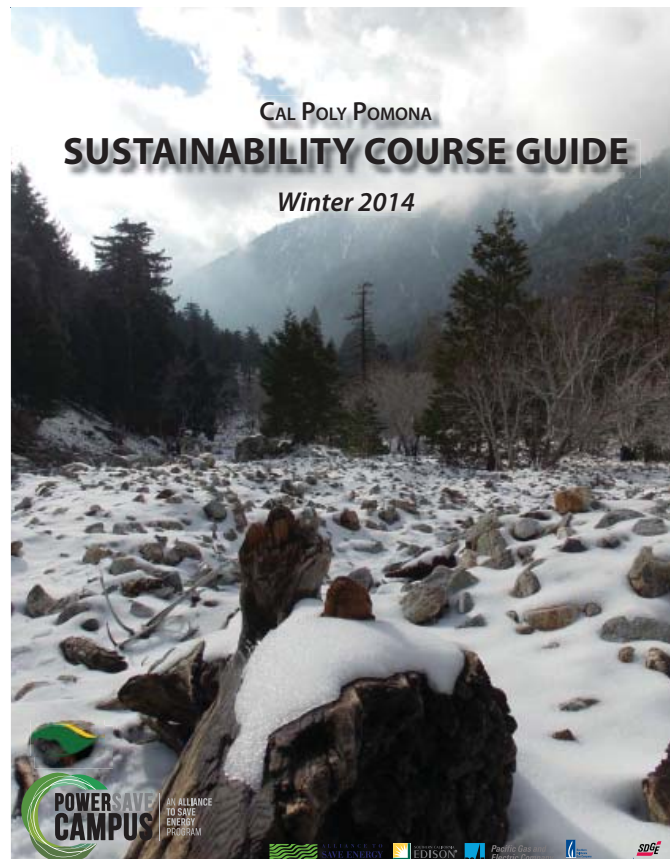
2014 WINTER SUSTAINABILITY COURSE GUIDE RELEASED!

The 2014 Winter Sustainability Course Guide was released on October 31st! It is now up and available for viewing on our website. Find courses offered at Cal Poly Pomona that are sustainability related or focused. The courses were approved by every department and were carefully selected by former CPP Sustainability Manager Megan Smith. To have students more involved with the guide we will now be holding photo contests for the cover of every issue. The upcoming issue will be Spring 2014. We will then post the photos to our FB page where people can vote for their favorite photo by "liking" it. We are asking contestants to submit "spring" inspired photos to greencampus.cpp@gmail.com by January 15th.

To view the guide go to:

<http://powersavecampuscpp.weebly.com/sustainability-course-guide.html>

http://issuu.com/gcp_cpp/docs/scg_winter2014



Keep Sash Below RED ZONE
RED ZONE For Hood Set-up Only!

KEEP SASH
SET ON YELLOW
THIN LINE!

MORE SAFE, LESS ENERGY

SAFETY NOTICE:
DO NOT SHAKE,
TILT, OR INVERT
IN USE.

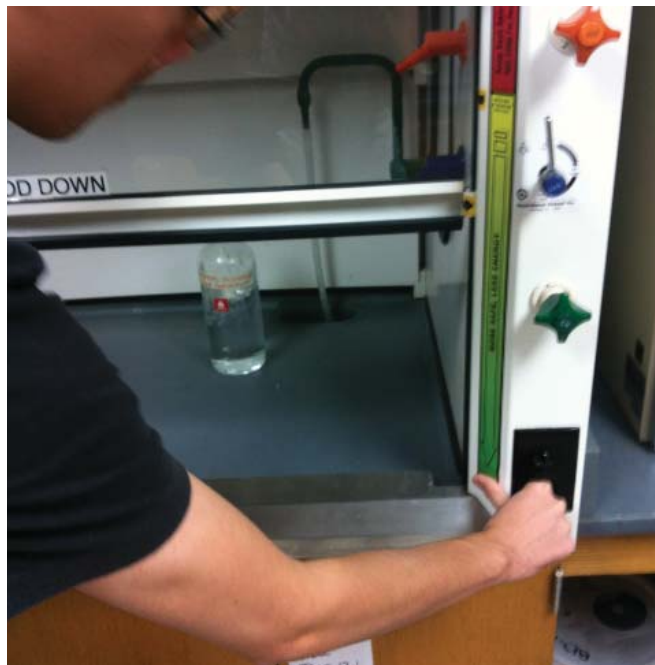
Fume Hood Project Update

By Lynae Salgado

On Friday November 8, interns Sony Bui and Lynae Salgado and Operations Analyst/Specialist Dr. Hiram Santisteban surveyed the fume hoods in Building 4 and placed the new fume hood stickers.

Over summer, intern Lynae wrote a proposal to Dean Jersky and the Department Chairs of Biology and Chemistry to better encourage and educate their students on shutting the sash of the fume hoods they work with to not only increase safety in the lab but also save huge amount of energy. The average sash height was about 5 inches, which is 3 inches less than when we surveyed in late May. This shows a great improvement in students efforts to shut the sash. The interns plan to survey before the end of the quarter to see what changes have been made from placing the fume hood stickers.

Pledge to Shut the Sash! <http://powersavecampuscpp.weebly.com/pledge-to-shut-the-sash.html>



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