Green Campus becomes PowerSave Green Campus!

We are very excited to announce that Green Campus has officially changed its name to PowerSave Green Campus. As our program is committed to energy saving, an effort was made to develop a new name for the program which would better reflect this goal and differentiate it from the wide variety of other sustainability groups on campus. The PowerSave Green Campus name will be adopted by all sixteen California college campuses which host the program. However, aside from the new name and logo, everything else about the program will remain unchanged and we look forward to working to provide the same quality of work with our new name and look.

It takes a village... to save water and energy!

University Village, the campus-owned family housing in Albany, recently got exciting news that their TGIF (The Green Initiative Fund) proposal was awarded $16,861! The grant, titled “Nature Village: Sustainable Family Living,” was authored by Lludmila Moran, UV resident and spouse of a Berkeley Ph.D. student, and Tavie Tipton, associate director of University Village. This grant will fund supplies and student internships to create waste, energy & water, and education & outreach programs at University Village, to promote sustainability and resource conservation amongst the residents.

Green Campus intern Kimberly Lam worked with Lludmila on the resource consumption analysis and recommendations portion of the grant, but new Green Campus interns are excited to partner with this TGIF project to help with energy and water assessments and educational outreach. Initial plans include teaching an energy audit workshop to the Nature Village team and residents in order to understand energy usage in the family apartments, looking into installing UZ-Low shower valves to save water, and continuing the Sustainable Laundry Campaign that was implemented last year.

The PowerSave Green Campus team is looking forward to working with University Village to save energy and water, and with over 970+ families residing here, the Nature Village project is sure to have impressive impacts!
Luncheon thanks stakeholders

On Tuesday, May 1st, 2012, PowerSave Green Campus collaborated with the Residential Sustainability Program to conduct the annual Stakeholder Luncheon at the Foothill Dining Commons. Stakeholders included representatives from the Green Fund, T.G.I.F., Clark Kerr, and many other organizations who have aided and supported the PowerSave Green Campus team. The atmosphere was relaxed and cheerful as both groups thanked the stakeholders for their integral support and advice throughout the year. After being served a delicious lunch by Cal Catering, both PowerSave Green Campus and RSP each presented the highlights of their year. For PowerSave Green Campus, this included the impressive metrics from the Greek Green Cup, the Blackout Battles, and the Fight the Flow campaign. In addition, everyone participated in a friendly competition in which every table showed off their sustainability knowledge with a trivia game; the winning table received awesome environmentally friendly collapsible containers! To make sure the event was completely green, it was zero waste certified by the Office of Sustainability. Although composting bins were provided as part of the zero waste certification, stakeholders and students packed up the leftover food in reusable containers for later! Thank you to Cal Catering and to all the stakeholders who have helped PowerSave Green Campus in their work!

Staff water plants to create behavioral changes

Students in the Energy Decal focused their semester project on creating a six week energy saving competition in the Office of Graduate Student Affairs. The competition attempted to influence the office staff to change their behavior in order to save energy through documenting how many nights a week they turned off their computers and power strips that connect to various other office appliances. The competition also tracked the hours a week that they relied on natural light. Staff were reminded to track their numbers through weekly emails that also featured other energy saving tips. Additionally, each competitor was given a small desk plant. By watering the plant each day, the competitors would be reminded to also turn off their respective appliances. The competition was successful, with 996.582 kWh and $105.64 saved. The top two employees also won some awesome motion-sensored power strips!
Cumulative Metrics
10/2004—6/2012

- MWh Saved: 4,360
- $ Saved: $437,500
- Carbon emissions avoided: 2,280,000 lbs of CO₂
- CFLs exchanged: 7,777
- Gallons of water saved: 1,153,500

*actual savings and includes water and therm savings

Congratulations to

We are very sad to see team members Morwenna Rowe, former team manager; Felicia Tan, former treasurer; and Kimberly Lam, former project coordinator, graduate from UC Berkeley and leave our PowerSave Green Campus team. Their contributions to the team have been tremendous, and we will miss them. Congratulations on your graduation, and best of luck in the future!

KIMBERLY LAM

Kimberly Lam is excited to now call herself a Cal graduate. She majored in B.S. Environmental Science in the College of Natural Resources and minored in Energy & Resources. She will be interning in the Global Environmental Sustainability team at Levi Strauss & Co. for the summer. Kimberly is grateful for three fun-filled years serving as a project coordinator with the PowerSave Green Campus Program, and especially enjoyed the training and networking at sustainability conferences. Looking back on her time with PowerSave Green Campus, she most enjoyed leading the “End the Cycle: Sustainable Laundry Campaign” in the residence halls, co-facilitating the Energy DeCal for three semesters, and last but not least, meeting such dedicated and enthusiastic campus stakeholders and teammates!

Like us on Facebook!

Be on the lookout for raffles and contests conducted on our facebook page (search “Berkeley Green Campus”)

<<< Morwenna, Felicia, and Kimberly at the 2011 California Higher Education Sustainability Conference.
Energy in the News

Natural gas from East Africa?

Recently, the world’s big energy companies have turned to Africa in search of new energy sources to exploit. Using top-notch technology, companies like Exxon Mobil, BG Group of Britain and Eni of Italy have drilled below the Indian Ocean in hopes of finding natural gas sources. In fact, Mozambique may have more natural gas deposits than Norway - an energy giant.

Our Graduates!

FELICIA TAN

After 2 years, Felicia Tan is leaving the Berkeley team. On May 2012, Felicia graduated with a degree in Chemical Engineering with a concentration in Environmental Technology from the College of Chemistry. She will be dipping her toes into the engineering world this summer as an intern at Henkel in the Bay Area. Felicia will miss the opportunity to work with such a dynamic team and supportive stakeholders, who are all passionate about energy efficiency. She is grateful for the professional growth that this program has provided.

MORWENNA ROWE

Morwenna Rowe just graduated with a BA in Integrative Biology with a minor in Global Poverty and Practice. She is sad to be leaving the team after four years with the PowerSave Green Campus Program. Morwenna is incredibly grateful to have worked with an amazing team of students and stakeholders to support energy efficiency at UC Berkeley. Post graduation, Morwenna is thrilled to continue working with the Alliance to Save Energy as a Program Associate for their PowerSave Schools Program which bring energy education to K-12 schools. Morwenna can’t wait to hear what the UC Berkeley PowerSave Green Campus team accomplishes in the future and is thankful for all of the opportunities afforded by the PowerSave Green Campus Program.

# BY THE NUMBERS #

The energy-saving competition put on by DeCal students in the Office of Graduate Student Affairs saved just under 100 kWh.

Note: view complete story on pg. 2

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Erin Fenley is the Energy Management Communications Specialist for UC Berkeley. She is currently focusing on the development and implementation of a campus-wide outreach and behavior change campaign around energy conservation (“myPower”).

She studied and worked in web design and advertising before looking for a job at the Cal Office of Sustainability. “I wanted my work as a designer to count for something - make a difference,” she explains.

When not working on myPower, Erin enjoys roller derby skating (she plays with the Bay Area Derby Girls Reckless Rollers), collecting yo-yos, and cooking delicious food and discovering her new Bay Area home.

Above: Erin Fenley provided Green Campus with “turn off your computer monitors” stickers for the Hildebrand Hall.

Stay Day Poster Session

This month PowerSave Green Campus interns presented TGIF-funded energy and water conservation projects at Stay Day, a one day conference focused on the evolving needs of UC Berkeley’s student population. The Green Initiative Fund (TGIF) was featured as students both voted to pay into the fund and are frequently grant recipients. At Stay Day, PowerSave Green Campus interns presented the “End the Cycle” laundry campaign and “Fight the Flow” shower valve retrofit projects during a poster session. Interns were excited to chat with staff about student involvement and encouraged them to spread the word about TGIF to other staff and students. TGIF awards for 2012 were recently announced with 22 projects receiving a total of more than $300,000, the most funding ever awarded in one grant year. Congratulations to all 2012 TGIF winners!

Stickers for behavioral change in lab setting

DeCal students have been working on creating several projects for the pilot study in Hildebrand Lab for the Operational Excellence Energy Management Initiative. After completing an energy audit, it was determined that the main sources of energy consumption in the lab were from unnecessary lighting and from computer monitors. In response to this, the students designed a sticker to be placed over the communal lab light switches, reminding people to turn off the lights. They also utilized stickers to be placed on computer monitors from the myPower group in the Office of Sustainability. Emily Jane Glassman, from the Hildebrand Lab, helped install the sticker series. The students have also completed renovating a pilot energy survey for EMI. Thank you to Hildebrand Lab for working with us on this pilot project!

Did you know?

90% of the energy used by a lightbulb is released as heat while only 10% is necessary to create the light.
Ongoing Projects

Blackout Battles Energy Competition: The Blackout Battles is an energy competition between Unit 1, Unit 2, Unit 3, and Unit 4 (Foothill, Bowles, and Stern) in the residence halls. These competitions have been held every semester since Spring 2005 and include prizes such as ice cream parties.

Energy DeCal: The 2-unit course utilizes innovative curriculum to teach a class of 30-40 students about the lifecycle consequences of our energy consumption as well as alternative energy technologies. Students complete assignments such as a personal energy audit and group project that involves designing materials to teach other students and staff about how we can reduce energy consumption at UC Berkeley. PowerSave Green Campus has taught ten semesters of this course to over 210 students.

Fight the Flow: Fight the Flow is a TGIF-Funded retrofitting project for the showerheads in the Unit 3 Residence Halls. The project aims to conserve over 570,000 gallons of water over the next year by installing UZLOW™ valves onto the showerheads, which enable students to reduce the flow of water while shaving or shampooing.

Green Cup: This T.G.I.F funded project is an energy saving competition between Greek houses and provides them with free low-cost retrofits in return. Some things include light-bulbs and showerheads. The winning house will receive a $2,500 retrofit.

Green Departments: In collaboration with UC Berkeley’s Office of Sustainability, the project establishes guidelines and a checklist, similar to the Bay Area Green Business Certification, for UC Berkeley departments to take the extra step to make their workspace “green.”

Laundry Campaign: PowerSave Green Campus encourages residents in residence halls to adopt sustainable laundry practices by creating static laundry machine stickers advertising the energy savings from washing with cold water instead of hot water, and the corresponding “cycle” to choose.

“Shut the Sash” Fume Hood Campaign: This campaign educates lab researchers to close the sashes on fume hoods when they are not in use to reduce energy consumption and improve air quality. This program currently targets Tan Hall and uses stickers, flyers, and emails to disseminate information. It involves a competition to see which lab can “Shut the Sash” most consistently.

Vending Misers Installation: Vending misers are motion sensors that power down vending machines when they are not in use. PowerSave Green Campus has installed vending misers on 14 machines across campus.

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The team (left to right): top row: Anton, Kimberly, Felicia, Emily, Sara, Manon, Jacqueline; bottom row: Maia, team lead Danielle, Omsri