UC Berkeley Competes in the Battle of the Buildings!

Wurster Hall, home to the College of Environmental Design, will be competing among more than 3,200 participants in the U.S. Environmental Protection Agency’s (EPA’s) 2013 ENERGY STAR National Building Competition: Battle of the Buildings. The competition serves as a platform to help organizations improve the energy efficiency of commercial buildings to protect the environment. Wurster Hall will battle it out against more than 3,200 other participants across the country to work off our energy waste through improvements in energy efficiency, with help from EPA’s ENERGY STAR program.

The teams in the 2013 ENERGY STAR National Building Competition represent more than 25 different types of commercial buildings - such as retail stores, schools, hotels, and hospitals - and hail from all 50 states, two U.S. territories, and the District of Columbia. The competitors range from a General Motors warehouse in Ypsilanti, Michigan, to the St. Louis Cardinals’ Busch Stadium in St. Louis, Missouri, to the main campus of the Cleveland Clinic in Cleveland, Ohio. EPA will maintain a website devoted to the competition, www.energystar.gov/BattleOfTheBuildings, featuring a list of competitors and their “weigh-in” results, a map of competitor locations, a live Twitter feed where competitors will post updates on their progress, and a user-generated Flickr photo stream where competitors will upload pictures highlighting their energy-saving efforts. “Thousands of buildings across the country are going on energy diets with help from EPA and ENERGY STAR,” said Jean Lupinacci, Director of EPA’s ENERGY STAR Commercial Buildings Program. “Organizations like those competing in this year’s National Building Competition are taking a bold step by putting themselves in the spotlight as they compete to protect the environment and save as much energy as possible.”

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According to an analysis conducted by Lawrence Livermore National Laboratory, the U.S. is only 39% efficient with energy generation. The bulk of this stems from inefficient power plants.

Battle of the Buildings (cont.)

Competitors will measure and track their monthly energy consumption using EPA's ENERGY STAR online tracking tool, Portfolio Manager. Accordingly, they will make improvements to their building or space's energy performance and share their progress. Among the more than 3,200 competitors this year, the building or tenant space that demonstrates the greatest percentage-based reduction in energy use intensity will be recognized as the winner in April 2014!

The PowerSave Campus Program and myPower Initiative are taking the following steps to reduce energy use in Wurster Hall including:

- Auditing of building spaces to identify potential energy saving opportunities
- Training of staff, faculty, and students on energy saving behaviors
- Coordination of inter-building energy saving competitions

Watch the battle unfold at www.energystar.gov/BattleOfTheBuildings.

Laundry Racks in Demand at University Village!

This past year, University Village, a family housing complex in Albany, and PowerSave Campus applied for a TGIF minigrant that allowed University Village to purchase drying racks and create a program that allowed University Village residents to borrow drying racks to dry their laundry instead of using drying machines. Now with the summer weather, the project is in full swing! Many residents have either signed up or are signing up to be a part of this program, and some residents are reporting back that most or all of their laundry is now air dried rather than machine dried. We are excited to see the ultimate energy and cost savings from this project!

Cumulative Metrics

10/2004—08/2013

- MWh Saved: 4,822
- $ Saved: $478,000
- Carbon emissions avoided: 2,516,000 lbs of CO2
- CFLs exchanged: 7,777
- Gallons of water saved: 1,153,600

*actual savings and includes water and therm savings

We're Hiring!

PAID YEAR-LONG PROJECT COORDINATOR INTERNSHIP POSITION
PROJECT COORDINATORS WORK ON ENERGY AND WATER SAVING PROJECTS ON CAMPUS

DETAILS:
- 511/HOUR, WORK STUDY ALSO AVAILABLE
- 5-10 HOURS/WEK
- ALL MAJORS WELCOME
- FRESHMEN & SOPHOMORES ENCOURAGED TO APPLY
- CURRENT PROJECTS: BLACKOUT BATTLES ENERGY COMPETITION, GREEN DEPARTMENT CERTIFICATION, GREEN CUP ENERGY COMPETITION, ENERGY DIAL COURSE, GREEN COMMUNITY EVENTS

APPLICATIONS DUE 7PM MONDAY SEPTEMBER 23RD
TO APPLY: EMAIL RESUME, COVER LETTER, AND 1-2 PAGE WRITING SAMPLE TO POWERSAVECAL@GMAIL.COM

VISIT POWERSAVECAL.WEEBLY.COM FOR MORE INFORMATION
EMAIL US AT POWERSAVECAL@GMAIL.COM WITH ANY QUESTIONS
Are YOU Ready for a More Sustainable Move-In Day?

It’s that time of year again for the campus population to swell up with eager new and returning students. Weekends will be busy with parents and friends-with-cars loading, unloading, and re-distributing furniture and supplies throughout the neighborhoods surrounding campus. Here are some tips for this stressful yet exciting time that will help you maintain your energy-saving behaviors during this transition.

1. Let the newfound emptiness of your previous and new pad be an opportunity to assess the efficiency of your refrigeration, heating, and lighting systems. Are all bulbs CFLs? Is the thermostat adjusted to 70 or 72 degrees in anticipation of our warm fall?

2. Have a look at the gaps around your windows and doors -- these are the #1 culprit for heat (and energy) loss throughout the year. Look to fill them in or cover to save!

3. If you are living in the residence halls and sharing a small space, decide with your new roommate to opt for task lighting instead of the large over-head light for work at night.

4. Consolidate printers, microwaves, and mini-fridges to save on space and vampire plug-loading. Make sure to unplug when not in use!

5. Hook up a power-strip to share.

6. Residence halls have automated heating but no air-conditioning features: if you choose to use a fan, only do so when you’re at home, or open the windows for a bay breeze.

One final tip: moving days are often huge sink-holes for unnecessary waste; be sure to opt for used furniture (often free!) and drop off items that you do not plan to keep with friends or at a local thrift shop!

Interested in Alternative Fuels? Try our DeCal!

PowerSave Campus is once again offering our 2 unit Energy Efficiency and Alternative Fuels DeCal! Two of our interns, Jackie and Emily, will be facilitating the DeCal course which includes great guest speakers, current energy news, fun projects and exploring different forms of alternative energy. Join us on September 9 from 6-7:30pm in 24 Wheeler Hall for our first session! You can find out more information on the DeCal website at http://www.decal.org/courses/2790. We hope to see you there!

Stakeholder of the Month
Phillip Bautch

Phillip Bautch is the Sales Manager of UZLOW Products, and works to sell and distribute UZLOW low-flow showerheads across the United States. This month, Phillip has been fundamental in helping the PowerSave team on the Fight the Flow showerhead retrofit project. After a setback in the project because of ill-fitting showerheads, Phillip stepped up and was able to get the entire order of 200 showerheads remanufactured. We thank him for his support and dedication to our project. Keep your eyes peeled for further expansions of the Fight the Flow project!
POWERSAVE CAMPUS
FOR-CREDIT INTERNSHIP

PowerSave Campus OE Energy Management For-Credit Internship
Year-long internship from September to May
COMPSCI 97/197 (2 units)
Faculty Sponsor: Professor David Culler
Workload: 3-6 hours/week
Hands on experience! All majors are welcome, no prior experience needed.

Interns will work with our PowerSave Campus project coordinators to create energy efficiency projects that will result in actual energy savings.

Here are some past for-credit internship projects:
- Earth Day Energy Education Campaign at Haas School of Business
- Shut the Sash Fume Hood Competition in Tan Hall
- Developing energy audit protocol for campus buildings
- Developing marketing materials to encourage energy savings
- Creating education campaigns and outreach

Applications due FRIDAY, SEPTEMBER 6 at 8 PM
Send your resume and cover letter to powersavecal@gmail.com
Want more information? Check out our website, powersavecal.weebly.com
Email us at powersavecal@gmail.com if you have any questions!
Ongoing Projects

**Blackout Battles Energy Competition:** Blackout Battles is an energy-saving competition between the residence halls Units 1-4. These competitions have been held every semester since Spring 2005 and include prizes for the winning residence hall such as ice cream parties. Typical savings for each Blackout Battles competition over two months include 129,286 kWh saved, which is equivalent to $12,928 and 67,745 lbs. of CO2 avoided.

**Energy DeCal:** The 2-unit course, listed as ERG 98/198, utilizes innovative curriculum to teach a class of 30-40 students about the life cycle consequences of our energy consumption as well as alternative energy technologies through class sessions which include guest speakers, documentary viewings, and student-led lectures. Students complete assignments such as a personal energy audit, an energy saving group project, and resource of the week presentations. PowerSave Campus has taught this course to over 400 students since 2005.

**“Fight the Flow” Shower Retrofit:** Fight the Flow is a water conservation project funded by TGIF (The Green Initiative Fund), aimed at reducing water and energy consumption in the residence halls through showerhead retrofits. UZLOW™ shower valves reduce the flow of water with a flip of a switch. This project has been completed in Christian and Slottman Halls in Unit 1, and is currently being implemented in Wada and Towle Hall in Unit 2, in addition to a pilot project at University Village.

**Green Department Certification:** 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.”

**University Village:** PowerSave Campus is currently working with University Village, a family housing district in Albany, to install retrofits and make the Village more sustainable. Our current efforts include purchasing low flow showerheads for a pilot program of 50 families in the Village. We have also recently obtained a TGIF mini-grant that will allow us to purchase drying racks for the same pilot program. We hope to see some very tangible energy and cost savings from these projects!

**Green Networking Events:** In order to aid UC Berkeley students in the development of their green careers, PowerSave Campus hosts career panels and networking events. During Spring 2013, PowerSave Campus hosted a speed networking event with locally-based green professionals, and invited them to network with students and inform them about their sustainability-focused careers.

**For Credit-Internship:** The for-credit internship, led by a PowerSave Campus paid intern, is 2 units and provides interns with a learning experience in planning and implementing an energy saving project. For ex-ample, last semester our for-credit intern team put together the “Shut the Sash” campaign in Tan Hall. Each semester we recruit new interns to work on an energy savings project, so look out for our hiring advertisements at the beginning of each semester.

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The team (left to right): Manon von Kaenel, Omsri Bharat, Jacqueline Hsu, Emily Wong, Maia Kapur, Sara Seacat. Not pictured: Anton Walker.