

EVENTS

- **New ReUSE station open in Room 216, 2000 Carleton**
- **PP-CS Holiday Party is December 13, 2011 from 1-4pm at H's Lordships at Berkeley Marina**
- **Next Green Bag Lunch will be in January 2012**
- **Green/Safety Fair will be hosted in March 2012**

PP-CS Awarded 3 TGIF Grants

This past spring, The Green Initiative Fund (TGIF) Committee awarded grants to three projects proposed by PP-CS staff. TGIF is a campus organization that provides funding for projects that reduce UC Berkeley's negative impact on the environment and make UC Berkeley more sustainable.

Following a successful pilot in 2010, the **"Custodial Communications Project"** was awarded a grant to expand the program to another 15 campus buildings. The project's goal is to bridge the gap between custodial staff and building inhabitants in order to promote sustainability efforts and communication, as well as increase mutual respect and appreciation for the work of both groups. The project involves interviewing custodians, creating "Meet Your Custodians" posters, and recognizing custodians for their hard work.

The second grant project is **"Air Handling Unit Transmitters."** The project proposes a more efficient way to change air handling unit filters. PP-CS has been changing the filters based on prefixed schedules and visual inspections performed by stationary engineers. The project proposes installing MS Magnesense Differential Pressure Transmitters on air handling units for 4 campus buildings. The transmitters will directly communicate and notify the campus Energy Management system when filters are at the end of their lifecycle and need changing, so resources are

maximized.

The third grant project is **"Low Water Irrigation"** Project aims to monitor and smartly control irrigation for the west part of the main campus. The project consists of 2 parts: installing 4 ARAD Hydrometers to irrigation mainlines and connecting these hydrometers to the campus irrigation computer. The web-based system will provide the users reliable and accurate information about the thousands of gallons of water needed for irrigation. The second part is to install a weather station near the West part of campus specifically to collect local weather (microclimate) information relative to this area. This way, watering will occur based on the weather.

All projects include hiring student interns to assist with implementation. For project details and to see the list of other winning projects, visit http://tgif.berkeley.edu/index.php?option=com_content&view=article&id=19&Itemid=14.



Stanley Hall Custodian Team received a "Green Building Award" for their outstanding upkeep of the building and maintaining green cleaning practices.

UC Berkeley Energy Initiative Updates

In March 2011, UC Berkeley approved the **Energy Management Program**, part of the University's Operation Excellence Initiative. So far, implementation is in full swing for 3 key projects:

- Creation of a high-profile **Energy Office** to track, oversee, and manage energy usage and offer financial incentives to Operating Units to reduce energy usage
- Establish and strengthen a **Campus Energy Policy** to articulate guidelines and

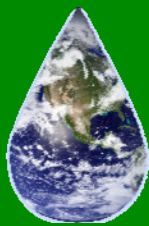
standards relating to all aspects of campus energy usage

- Implement an **outreach program** that encourages building occupants to take individual action to reduce energy usage

The Office of Sustainability is also working with a local branding consultant to develop the marketing campaign to encourage faculty, staff and students to reduce their energy usage.



Durant Hall, with a new plaza



How much money does UC Berkeley spend on water per day?
Answer: \$6500
-CALGeT Trivia Question for FS Summer Social



Campus LEED-Certified Buildings

This past spring, the Durant Hall Renovation project received LEED Silver certification. LEED (Leadership in Energy and Environmental Design) is an international green-building certification system. Certification is based on project type (e.g. NC- New Construction or CI- Commercial Interiors). There are 4 levels of certification: Certified, Silver, Gold, Platinum. Other campus LEED-certified buildings are:

- University Village Housing (Certified, NC)
- Haste Childhood Education Center (Silver, NC)
- Blum Hall/Naval Architecture (Silver, NC)
- Clark Kerr Campus Restoration Phase I (Gold, CI)
- Morgan Hall Lab Renovation (Gold, CI)

Many of the campus future building projects are also aiming for LEED certification.

PP-CS Green Project Updates

Ever wondered what PP-CS is doing to green Cal? Read below to find out!

Energy Efficiency

Energy efficiency projects are managed by Capital Projects under the Strategic Energy Plan (SEP). Many PPCS units are involved: Utilities Engineering, Energy Management Group, Electric Shop, Stationary Engineer Shop, HVAC Shop and Senior Facilities Engineers. They have worked on lighting retrofits, HVAC retrofits, monitoring based commissioning for many campus buildings, and are continuing to retrofit and commission more campus buildings to ensure that building lighting and HVAC systems are running efficiently.

Green Bag Lunch

For the October Green Bag Lunch, Dave Smith gave a great presentation on Burning Man and the "Leave No Trace" principles. Thanks to everyone who came! The next Green Bag Lunch will be held in January 2012.

Green Cleaning

Custodial Services will install new SCA Tissue's Touch-less Paper Towel Dispensers (right) across campus bathrooms which will allow for more resource-efficient and more sanitary vending of paper towels. All paper products are made from 100% recycled fiber and chlorine-free.



LEED Certification

University Hall's LEED Certification Project (for Existing Buildings) is underway. The project team hopes to complete it by the end of 2011.

Outreach

CALGeT tabled at the 2011 FS Summer Social and hosted a trivia contest (see left) and gave away lots of aerators and pens!

Campus Refuse & Recycling Services (CRRS)

Compost Alliance, a program within CRRS, is working on achieving a campus-wide compost collection (including the dorms, co-ops and Greek system). The first buildings are University Hall, A&E, Eshleman, and Barrows. Founded in Fall 2010, the Alliance is funded by TGIF, CACS, and Stop-Waste. CRRS is also working on re-developing their website (recycle.berkeley.edu).

Reuse Room at 2000 Carleton

Starting October, there will be a ReUSE Cart stationed at each shop for 1 month. Please contribute any office supplies or tools that you would like to recycle. The first shop will be PM (Karen Lobo).

Preventative Maintenance (PM)

The PM staff has been working on projects that streamline the process of equipment maintenance: relate to equipment verification in the PM system, coordinating maintenance checkups between Elevator and Fire Alarm shops, communicating with campus departments regarding Cold Room/ Growth Boxes, a proposal to obtain workers' compensation for funding related to duct cleaning.

Water Efficiency

In University Hall, PP-CS installed water efficiency kits for 41 toilets and 16 urinals to convert them to low-flow. Before the kits, the toilets and urinals used 3.5 gpf. Now the toilets use 1.6 gpf and the urinals use 1.2 gpf. In June and July 2011, there was a 20% average reduction in water consumption when compared to June and July 2010. The kits are also being installed in Dwinelle Hall.

THANK YOU'S

PP-CS would like to thank Nick Pigati and Eric Lausen (Plumbing Shop) for installing the water efficiency kits at University Hall. PP-CS also thanks John Rangel, Steve Whitworth, Dan Valdez (Carpenter Shop), Edie Slinger and Alfredo Magana (Building Maintenance Workers) for helping to move the shelves and organize the new ReUSE room.