

## EVENTS

### Go Team Presentation Workshop

Location: 2000 Carleton St.,  
Room 246

#### Nov 16, 2009 - Mon

- 11:00AM - CBC
- 12:30PM - Plumbers & Mechanics

#### Nov 17, 2009 - Tue

- 9:30AM - Payroll, CBC, and Structural Shop

#### Nov 18, 2009 - Wed

- 11:00AM - HVAC Shop
- 12:00PM - Electricians & BMWS
- 1:00PM - CBC

### Green Building, Economy, and Public Policy FREE Symposium

Location: David Brower Center

Time: Dec 2-3, 2009

Visit [CALGeT](http://CALGeT) website for more information.

### Berkeley Transfer Station

Come join us on a tour of the Berkeley Transfer Station. We will visit the Community Conservation Center and Buy Back, for a behind the scenes look at the recycling process. If time permits, we plan a tour to Urban Ore, the bastion of item reuse in West Berkeley. The tour will be held on the second or third week in **January 2010**. Contact **Lisa Bauer** at [lbauer@berkeley.edu](mailto:lbauer@berkeley.edu) for more information.

## 10 Ways to Save Money & Environment

Having a hard time saving money every month after paying all the bills and necessities? It is getting tougher out there, but some green changes at work and home will help cutting your bills and waste without spending an extra cent. Apply these methods and save at least a dollar a week while also saving the environment!

1. **Turn off the lights:** If you are out of the room or no longer watching TV in the living room, turn off the lights in the room. Don't waste energy and money by burning lights in rooms that you are not occupying. Turn off the TV, too.
2. **Put monitors to sleep or turn off your computer:** Computers take a lot of energy even with screen savers. Best ways to conserve energy are to set the monitors to sleep or power off when you are away for an extended period of time.
3. **Bring your own lunch:** Eating out everyday can be a financial burden and to-go lunches often generate waste. Start bringing your own lunches in reusable containers.
4. **Carpool or use public transportation:** Save gas costs, wear and tear on your vehi-



▲ Conserving energy saves money.

cle and get to know folks.

5. **Buy energy efficient appliances:** Look for items with the Energy Star label. You will save money in the long run by buying energy efficient appliances.
6. **Open a window:** If the weather is nice, turn off the AC and open the windows. Enjoy nature.
7. **Plant a tree:** Put plants near AC unit as well as windows that get a lot of sun. It increases shade, decrease energy consumption, and can save between \$100 and \$250 a year.
8. **Use low energy light bulbs:** Compact fluorescent light bulbs use only a fraction of the energy that regular incandescent bulbs use. Plus they last much, much longer.
9. **Change or clean your air filters:** A clogged or dirty air filter reduces airflow to the heating or AC unit, causing it to work harder and use more energy. Change or clean filters once a month.
10. **Recycle and reuse:** Recycle bottles and find local places that you can redeem them for money. Better yet, skip buying plastic bottles and refill your travel mug or refillable metal water container at the nearby coffee shop instead. Make recycling and reuse your habits and save money.

Article by Christine Chung

## Physical Plant-Campus Service Green Department

Physical Plant – Campus Service has always been a leader of maintaining the clean campus environment and improving facility services. Since this summer, PP-CS decided to make further contributions to sustainable campus environment by qualifying the Green Department Certification, which recognizes campus departments that have taken extra steps to conduct greener operations and lower their environmental footprint.

To save energy, PP-CS employees voluntarily reduced a

number of unnecessary electronic appliances in their office, such as small refrigerators, old printers, and more. Also, only 100% post consumer content copy papers are used and additional Re-USE stations have been installed for employees to recycle the office supplies.

To promote drinking tap water, PP-CS conducted water quality test to see if the tap water is clean enough for human consumption and the result was pleasing.

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Therefore, the bottled water purchase in the building has been reduced and further encouraged employees to carry their own canteen.

Not only the employees of PP-CS, but many other organizations partnered with PP-CS representatives to help promote sustainability at PP-CS. Building Sustainability at Cal formed a student organization called Go

Team. They conducted restroom audits of the building and maintained the green board, which promotes

green habits and advertises different sustainable campaigns on campus. Prior to restroom audit, PP-CS employees, Sustainability at Cal, and EB-MUD collaborated to train Go Team members to conduct water audit training. EBMUD professionals were invited to instruct how to conduct an accurate audit of water consumption on campus restrooms and read different types of water meters. Also, Physical Plant Campus plumbers were invited to meet the students and discussed about campus water conservation. In partnership with Main Services, PP-CS recycled all printer and copier toners as well as cartridges.

With everyone's effort, PP-CS will be certified as Green Department within the next month, making them a step closer to be more sustainable.

*Article by Christine Chung*



▲ **Water Audit Training**

## \$645,000 Rebate Check from PG&E

UC Berkeley implemented a HVAC Retrofit projects under the 2006-08 UC/CSU/IOU Energy Efficiency Partnership Program. The total cost for completing the four energy efficiency measures listed below was **\$873,000**. PG&E provided an incentive amount of **\$645,000** for the project that is estimated to save **2.3 Million kWhs** and **90,000 therms** per year. The four measures completed are:

1. Static pressure reset for variable air volume systems using Federspiel Controls SAV with InCITE strategy developed at Wurster Hall's Center for Built Environment. The system was installed at air handling units at 2195 Hearst (Data Center), Minor Addition, Moffitt Library, Hearst Mining and Hargrove Library.



▲ **Receiving the check from PG&E**

2. Wireless temperature sensors are installed in the zone areas and the information is used to change the speed of variable frequency drive speeds on the supply and return fans. These were installed at Barrows, Hertz, Gardner Stacks and Valley Life Sciences Building.
3. Excessive ventilation airflows in the laboratory suites at Life Sciences Building Addition, Koshland Hall and Genetics and Plant Biology Building were reduced by resizing the fan motors and installing variable frequency drives.
4. Laboratory fume hoods at the Genetics and Plant Biology building were converted to variable air volume system.

*Article by Raul Abesamis*

## Choose to ReUSE at Marchant!

Too much stuff! Entering the Marchant building for the first time leaves one feeling dizzy. The task at hand this summer seemed at first too unwieldy to begin- there were dozens of departments to coordinate with, each using space at Marchant to store everything from shipping crates to personnel files to seemingly ancient wood desks caked with chewing gum older than myself. Many of these spaces contained items that had remained untouched and forgotten for some years. Reckoning day had come.

The **Choose to ReUSE** program diverted about 15 tons of waste by contacting organizations dealing in reused materials, non-profit organizations, and individuals, saving the university \$1800 in dumping fees. The cost of labor for the project came in under the projected budget of \$3000 to staff six interns for the duration of the summer.

In addition to keeping tabs of items moving out

of the building, contacting and meeting with donation receivers, and exploring the bowels of the behemoth warehouse, interns lent a hand in creatively altering items to increase their desirability. Decades-old wooden tablet desks were sawed into their more versatile counterpart- the wooden chair. Individuals receiving donated items converted shipping crates from the Berkeley Art Museum into planters, chicken coops, and closets. The possibilities for the application of this program model in other UC Berkeley move-outs seems as boundless as the energy and dedication of the students, faculty, and staff involved in its implementation.

*Article by Sarah Cowan*



▲ **Chairs donated from campus buildings**

CONTACT  
calget@berkeley.edu

CREDITS  
Frugallygreen.org  
Re-USE  
PG&E  
Energyboomer