

In this Issue:

REDUCE, REUSE, REPOWER!

Rachael Londer writes about the power strip drive the team is hosting

HEIF IDEA PAPERS

Anais Rodriguez recaps her experience writing an Idea Paper for HEIF

PAGE 2

FALL CONVERGENCE

Jenna Bader informs readers about the upcoming CSSC convergence being held at HSU

PAGE 3

10 ENERGY-SAVING TIPS

For-credit interns share their favorite tips to stay warm

PAGE 4

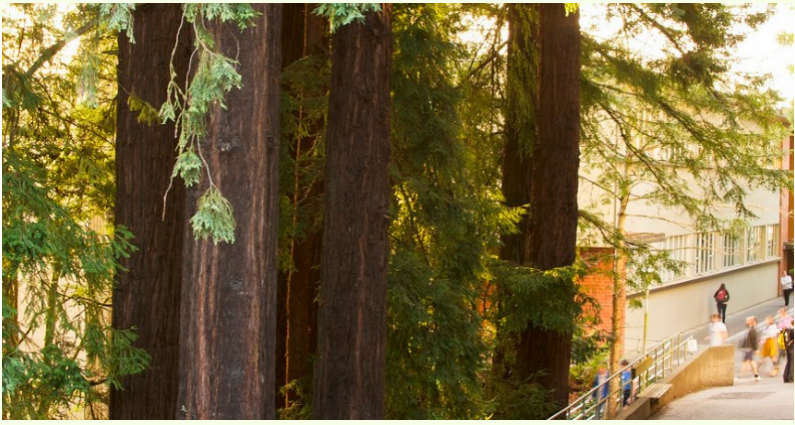
LIBRARY DISPLAY

Delia Bense-Kang reflects on the library display and Energy Action Month event

SAVING NATURAL GAS

John Lococo writes about therms and the importance of conserving them

PAGE 5



November 2013 Newsletter

Issue #85

Welcome to the November 2013 PSC Newsletter!

This month the team informs readers about upcoming events. We are also pleased to announce that the team hosted a Green Speed Networking Event on November 4th at 5:30pm in the Great Hall. Pictures and details of the event will be included in next month's newsletter.

In this newsletter, Delia Bense-Kang and I recap projects and events completed in October. Rachael Londer writes about Green Workplace Assessment and Certification Program and the ongoing Power Strip Drive. Jenna Bader invites readers to attend our 2 hour workshop at the California Student Sustainability Coalition Fall Convergence being held on campus. Lastly, John Lococo educates readers about therm usage and For-credit interns have compiled a list of winter energy saving tips just for you! Enjoy!

Anais Rodriguez

Newsletter Editor



ABOVE: (Top row, left to right) Matthew Ware, Akira Brathwaite, and Lindsay Loparco
(Bottom row, left to right) John Lococo, Anais Rodriguez, Rachael Londer, Delia Bense-Kang, and Jenna Bader

Reduce, Reuse, RePOWER!

By Rachael Londer

For on-campus faculty eager to green their offices, PowerSave Campus has the solution! Through the Green Workplace Assessment and Certification Program we aim to provide valuable tools and tips to help make workplaces more sustainable. This semester's departments undergoing the certification process are the Social Work Department, Environmental Science and Management Department, and the Art Department.

One simple way to make a workstation more energy efficient is to utilize a power strip. It is easy to install and use. When you are not using the electronics plugged into the power strip, it can be turned off to prevent the devices from drawing unnecessary electricity from the socket, a phenomenon known as a phantom load.

We are calling on you to help faculty increase their workspace efficiency! We are hosting a power strip drive to create energy savings and prevent waste from the purchase of new power strips. If you have extra power strips that you do not use or do not have a use for, we ask that you donate them to us to redistribute.

We will be collecting them for the rest of the semester, drop off any unwanted power strips at our office in Plant Operations. We will also have a collection box at all our upcoming events!



Contact us at powersavehsu@gmail.com for more information about the Power Strip Drive, Green Workplace Assessment and Certification Program or if you would like to receive a power strip!

HEIF Idea Papers...successfully submitted!

By: Anais Rodriguez

Last month, our team was eager to start submitting idea papers to HEIF in hopes of receiving grant money to fund our various energy saving projects on campus. The HEIF Committee reviews the Idea Papers, votes to (or not to) invest in the ideas proposed, and then develops and implements the approved project ideas. This is an exciting process to be a part of, no matter the outcome. Delia Bense-Kang and I collaborated on an idea paper suggesting installation of photocell sensors in Founder's Hall to limit the amount of light emitted on sunny days. Rachael Londer wrote an idea paper on behalf of the Green Workplace Assessment and Certification program which will fund power strips and CFL's to be installed in our green certified workplaces. Lastly, Jenna Bader wrote an idea paper to fund the purchase and installation of individual energy monitors in the dorm rooms, which would make it easy for residents to track their real-time energy usage and give HSU an advantage in Campus Conservation Nationals! ! This was my first time writing an idea paper, and since the submission, I've generated so many more ideas! I can't wait until next semester to start early and submit many more idea papers in hopes that one gets approved. We will keep you updated on any news we receive regarding our current submissions.

The California Student Sustainability Coalition Fall Convergence

By Jenna Bader

The HSU Student Sustainability Coalition (HSSC) was established this semester as a space for clubs on campus to build a strong student network, providing a foundation of resources to reach our collective goals. The PowerSave Campus team at HSU is represented in all HSSC meetings, where we discuss our upcoming events, collaborate with other sustainability organizations on campus, and work together in solidarity, strengthening our sustainability and environmental awareness. Our goal for this semester has been to support the California Student Sustainability Coalition and help produce an unforgettable weekend of fun, learning, and empowerment at this semester's convergence being held at HSU in Arcata, California on November 9th and 10th, 2013.

The California Student Sustainability Coalition (CSSC) unites, connects, supports, and empowers students from across California to transform their educational institutions and communities into models of ecological, economic, and social sustainability. The CSSC began in 2001, and since then, has grown into a network of thousands of students, that are spreading awareness and actively influencing key policies of California State Universities, governments, and communities. Each semester, CSSC organizes a student convergence, allowing students to network, build community, share resources, attend workshops, and celebrate.

We will be hosting a workshop titled "POWERING AND EMPOWERING COMMUNITIES"
Come join us Sunday, November 10th at 1:45pm in Siemens Hall 115!

Check out the California Student Sustainability Coalition website for more information
To register hover over the "Convergence" tab on top of the main website page and click on
"Register to Attend Convergence"

Prices for the convergence:

\$25 regular students

\$30 at the door

\$30 community members

FREE for HSU students



Fall Convergence

"Building Sustainable Communities"
November 9 - 10, 2013
Humboldt State University, Arcata

For more info, join the Facebook event invitation:

"CSSC Fall 2013 Convergence at Humboldt State University!"

10 Energy-saving Tips for Winter

By Matthew Ware, Lindsay Loparco and Akira Brathwaite

The leaves are changing colors and the holidays are right around the corner! This month, we have put together a list of 10 energy-saving tips for the Winter that we hope everyone will practice at home. These tips will lower your carbon footprint and save you some cash when the energy bill comes around.

Stay warm and enjoy the season!

TIP #1 After using the oven for cooking/baking purposes leave the door open to allow the heat to resonate into your living quarters

TIP #2 Hang fabric from a central point on the roof above your bed (mimicking a bug net) to insulate heat while sleeping

TIP #3 Connect Christmas lights to a power strip to prevent phantom loads and easily turn off lights when not in use

TIP #4 Utilize heavy curtains to prevent heat from escaping! If you are in a closed room, use your dirty clothes to block any open spaces on the bottom of the door to prevent heat from escaping.

TIP #5 Wear layers, bundle up, and find a cuddle buddy! **Hint:** Pets make great cuddlers!

TIP #6 Insulate your windows to retain heat! **Fun Fact:** CCAT has insulation materials for sale

TIP #7 Air deflectors used on your air vents divert heat away from walls and exits and towards areas needed. **Hint:** Swing by the PowerSave Campus office in Plant Ops for a free one!

TIP #8 Securely close doors and windows when using space heaters to quickly heat rooms

TIP #9 Remember to turn off and unplug electric blankets in the morning

TIP #10 Use LED fairy lights! These consume less energy than incandescent fairy lights.

INSTAGRAM PHOTO CHALLENGE!

Send us a picture of how you save energy during the winter @powersavehsu #doitinthedark and we will pick a winner on **Friday, November 8th!**

Creative, practical, and effective ideas are most appreciated.

*Winner will receive a free ENERGY SAVERS DO IT IN THE DARK t-shirt!

Look out, it's our library display!

By Delia Bense-Kang

October was Energy Action Month, and the team was spreading the message in several ways including a library display! From October 8th to October 14th, the glass display case in the library was decorated with a combination of PSC program history. There was a timeline of past and future projects the PowerSave Campus team has done and ways to get involved during Energy Action Month.

Posters from past projects and achievement allowed students, staff, and faculty to see the effect PowerSave Campus has had at HSU. The timeline reached into the future by displaying upcoming projects and events. Upcoming events and projects include a Green Speed Networking event in November, implementation of a Cold Water Wash Campaign, plans for a fume hood retrofit, and continuation of our Green Workplace Assessment and Certification Program.

The display was an opportunity to inform everyone about our Energy Extravaganza Party that was held October 22nd in honor of Energy Action Month. The event included a few sustainability groups like Redwood Coast Energy Authority, Natural Resources Club, and HSU Housing. It was a great success, and the team had tons of fun putting the event together.



To check out more event pictures,
[LIKE us on Facebook!](#)

ABOVE LEFT: Event attendee playing an energy trivia game
ABOVE RIGHT: Anais Rodriguez next to the library display

Saving Natural Gas by John Lococo

One of the PowerSave Campus program goals is to achieve measurable energy savings. We divide that goal into parts, including saving electricity, saving natural gas, and identifying areas of potential savings. We then assign specific objectives to each of these parts of the goal. For example, we want to save 600 therms of natural gas on campus this year.

A therm is approximately equivalent to burning 100 cubic feet of natural gas. To get a better feel for therms, a typical PG&E residential customer uses 45 therms per month on average. That's 540 therms in one year, which costs about \$35 and emits over 7000 pounds of carbon dioxide. To put that into perspective, burning 1 gallon of gasoline produces about 20 pounds of carbon dioxide. In 2005, each Californian produced about 23,000 pounds of carbon dioxide on average by consuming electricity, natural gas, and gasoline.

Natural gas is commonly burned to heat water. So, taking a shower, doing the dishes, and washing your laundry are common activities that contribute to therm consumption. If you want to reduce your therms use, as well as your utility bill and carbon footprint, then you can make adjustments to these common activities. For example, you can take a shorter shower, turn the water off while you soap the dishes, and use the cold setting on your laundry machine. You could also invest in a low-flow showerhead, faucet aerator, or high efficiency washer.

In the end, no matter how you roll the dice, using less water and using cooler water are two fundamental ways to reduce natural gas consumption for heating water.

Fall 2013 PSC Team



ABOVE: (from left to right) Rachael Londer, Delia Bense-Kang, Anais Rodriguez, Jenna Bader, Team Advisor TC Comet, and John Lococo

Contact the Project Coordinators

John Lococo

Team Manager

Jml118@humboldt.edu

Jenna Bader

Metrics

jbader@humboldt.edu

Rachael Londer

Project Coordinator

Jcl45@humboldt.edu

Delia Bense-Kang

Treasurer

Dede1bk@gmail.com

Anais Rodriguez

Newsletter Editor

Ar2187@humboldt.edu

Contact the For-credit Interns

Akira Brathwaite

aeb620@humboldt.edu

Matthew Ware

mlw341@humboldt.edu

Lindsay Loparco

lml266@humboldt.edu

Contact HSU PowerSave Campus

Website: PowerSaveHSU.com

Email: powersaveHSU@gmail.com

Blog: PowerSaveHSU.com/blog.html

[facebook.com/HSUpowersave](https://www.facebook.com/HSUpowersave) // Instagram: "powersavehsu"

Stakeholder of the Month:



Happy Halloween from our Environmental Super Hero, Silas Biggin, HSU Energy Manager and possessed Project Coordinator, Anais Rodriguez!

OCTOBER METRICS

23

Event Attendees

77

Facebook LIKE's

1334

Website Hits



"The Alliance to Save Energy's PowerSave Campus Program is funded by the ratepayers of California under the auspices of SCE, PG&E, and Southern California Gas Company"