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In the News, Literally
GCPC Sarah Schneider was on Channel 3 NBC news talking about GC's role in the NBPMS!



BIG ENERGY SAVINGS AT HSU: HSU AWARDED LARGE REBATE BY ENERGY EFFICIENCY PARTNERSHIP

BY SARAH SCHNEIDER

Humboldt State University has recently been awarded a rebate from the UC/CSU/Investor-owned Utilities (IOU) Energy Efficiency Partnership to partially fund two energy-saving projects on campus: The installation of a network-based power management system (NBPMS) for campus computers and the retro-commissioning (MBCx) of the Wildlife Building. These bundled projects are estimated to reduce campus greenhouse gas emissions by 253 metric tons of carbon dioxide equivalent annually and will save the University about \$60,000 a year.



Faronics
POWERSAVE™

Above: Vendors BigFix™ and Faronics were selected for HSU's NMBMS

For some time now Green Campus, along with HSU Plant Operations and Information Technology Services (ITS), has been actively pushing for the NBPMS installation. In a nutshell, the NBPMS will enable computers to be powered down to a lower energy setting when not in use. Another beneficial feature of this power management system is that it can report greenhouse gas and power consumption, energy efficiencies and savings.

The MBCx of the Wildlife Building is a systematic, documented process that will identify low-cost operational and maintenance improvements in existing buildings and will restore the building to its optimal performance.



WILDLIFE & FISHERIES BUILDING

Green Campus plans to boost the savings from the MBCx through office energy audits and occupant education. These additional steps can help reduce electricity consumption by an estimated 20-30%. We hope to achieve these savings before the final phase of the installation in November.

GREEN FIGURES

Green Outreach:

GCP has stepped up tabling and can now be found on the quad every Tuesday (Humboldt weather permitting...)

Green Savings:

HSU GCP helped to facilitate a Network-based power management and building recommissioning bundle that will save 512,790 kWh and 14,626 therms per year. This translates to nearly \$60,000 saved and 253 metric tons of CO₂ diverted from our campus emissions!

Green Futures:

- Green Art Competition
- Educational Tabling
- Office Energy Auditing



Richard Engel discusses boiler efficiency.

GREENING OUR CAMPUS INTO THE FALL: GCP HOSTS ENERGY AUDITING WORKSHOP

BY KALE ROBERTS

With the autumnal equinox having come and gone the signs that fall is here are signaling everywhere -- yellowed leaves on the ground, students immersed in routine, and the temperatures noticeably dropping.

The chill in the air lead many students to thinking about energy consumption, its costs on the environment and on their wallets.

Ushering in the season, Green Campus hosted its Energy Audit Workshop On September 20th, 2008, in collaboration with Schatz Energy Research Center, Redwood Coast Energy Authority, and HSU Extended Education. With the goal of becoming more knowledgeable and skilled energy auditors, a class of 17 workshop attendees participated in a day full of talks and hands-on experience testing watt loads, studying HVAC systems, and taking lumen readings in campus spaces.

Richard Engel (Schatz Energy Research Center) discussed the basics of energy efficiency - from designing homes to maximize solar radiant heat and circulate airflow effectively to reading a meter and understanding where our energy bill is going. Green Campus coordinators discussed best practices for performing office energy audits and Dana Boudreau (Redwood Coast Energy Authority) demonstrated lighting technologies. Morgan King (Strategic Energy Innovations) synthesized the material explaining the connections between the economy, ourselves, and the environments around us.



Left: Dana Boudreau demonstrates lighting technology.



Right: Richard Engel runs a heat transfer experiment with students.

WATCH FOR:**Green Campus Super Stakeholders:**

(see page 4 for details)

Richard Carlson
Tall Chief Comet
Richard Engel
Dr. Dick Hansis
Lura Holtkamp
Tim Moxon
Ron Rudebock
Mary Vancott
Patty Walund

This Way to Sustainability IV

• 11/06-11/09 •

CSU Chico

HSU GCP will be presenting our peer-to-peer energy efficiency education best practices at the largest sustainability conference in Northern California on Saturday, 11/08, at Chico State University.



HERE COME THE INTERNS! *GCP CONTINUES TO GROW*

BY JAMILA GHOUL



GCP Team Meeting (clockwise from bottom center): Max, Jamila, Robin, Kale, Carolyn, Sarah, Mitchell, and Cassie. Not Pictured: Chris and Jon.

This semester has been going incredibly smoothly thus far thanks to six very special interns! The competition was rough but in the end the Green Campus Program Coordinators were able to choose (from a pool of about ten people) six well-qualified students who have been more than helpful to the team so far.

First, we have Carolyn Weddle who was in the GC internship course in the Spring of 2008. Carolyn is a Junior studying Environmental Science. She is one of our tabling interns and has great enthusiasm about reaching out to her fellow students.

Cassie Mill, also a tabling intern, is in the Environmental Science program. She is also pursuing a minor in geography. Cassie is a backpacking guide for Center Activities and has contributed some valuable ideas for making tabling more interactive.

The first of our two public relations interns is Robin Ray. Robin is an Environmental Science Junior and her emphasis is Policy. She has experience with Associated Students and is going to be helping out with the GC Student Art Competition this semester.

Jon Mitscha is another Public Relations intern as well as the President of the Natural Resources Club. He is also an Environmental Science major. Jon is an incredibly active member of the HSU community and has participated in many GC events this semester including the design and set-up of the wonderful library display.

Moving along to the Energy Auditing Interns we have Max Tanti. Max is a Sophomore in the Environmental Resources Engineering program. He attended our Energy Auditing Seminar and is eager to apply his newly acquired knowledge to some of the energy inefficient offices on campus.

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The Alliance to Save Energy's "Green Campus Program" is funded by the ratepayers of Pacific Gas & Electric. Strategic Energy Innovations is a sub-contractor of the Green Campus Program.

HERE COME THE INTERNS! *(continued from page 3)*

Mitchell Brown is a Freshman in the Environmental Resources Engineering Program and has a previous degree in political science. He has been working closely with Sarah and Max in order to tackle office audits on campus.

These amazing interns have provided so much support for the Green Campus team so far, their presence has been invaluable. The semester has just begun and GC has gotten so much done already! We are all so excited to have these interns on our team this semester and we hope to learn a lot from one another.

2008-09 STAKEHOLDERS' MEETING PHOTOS



This year's meeting was a huge success; GCP brought together staff, administrators, faculty and students to brainstorm efficiency projects and to recognize the efforts of energy efficiency campus stars.

Left: Stakeholders mix and mingle.
Below Left: Students raid the refreshments.
Bottom: GCP coordinators and Super Stakeholder Award Recipients (sidebar, pg 3)

