

Green Pastures



Interns Andrew Coyne (CPP), Cynthia Joe (CPP), Cynthia Leung (UCI), Rebecca Rivera (CSUSB), and Carlos Hernandez, program manager for the EARTH Education and Training Program at Southern California Edison (SCE), pose for a picture in front of the Green Campus table.

CAL POLY POMONA



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Green Campus Interns attend SCE's Career Summit

By: Cynthia Joe

Green Campus is part of Southern California Edison's (SCE) Green Dream! The prospect of "green jobs" was the theme of a career building event hosted by SCE at the Customer Technology Application Center (CTAC) in Irwindale, CA. On April 30, 2010, SCE invited students to attend the free summit named "The Green Dream: The Future of Sustainable Careers."

Approximately 100 attendees from high schools, community colleges, and the CSU/UC system participated in the four hour long conference which included two panels of speakers and a tabling room. CPP Green Campus interns Andrew Coyne and Cynthia Joe, UC Irvine's Cynthia Leung, and CSU San Bernardino's Rebecca Rivera hosted a table, answered questions about the Green Campus Program, and talked about pathways from education to careers in the green economy.

Students from various disciplines ranging from aerospace engineering to human resources were interested the compatibility of their fields with green companies like SCE. The tabling event was a success in informing students about ways to get involved on their campuses and in the community.

Common Sense: Energy Efficiency in the Los Olivos Dining Commons

By: Andrew Coyne

The Green Commons project is moving along! With the cooperation and support of Patrick McCoy, manager of Los Olivos Dining Commons, Green Campus interns hope to make the dining commons a model of energy efficiency by embarking on a two-phase project. The first phase is a lighting audit of the kitchen and dining area, which was completed in May.

Green Campus interns Andrew Coyne and Cynthia Joe are now evaluating the audit results, and with the guidance of Energy Services Manager George Lwin, will soon present a report to Los Olivos management that will propose several low-cost or no-cost solutions to make the lighting more efficient.

The primary solutions under consideration involve replacing existing lamps with more efficient ones, and to change the lighting schedule so lights are only on when needed. This second solution holds great potential, since the dining commons has large floor-to-ceiling windows that provide excellent natural light for the space. If the light levels are deemed adequate, the interns hope that the artificial lighting can be turned off during the brightest part of the day and natural lighting can become the norm.



Photo courtesy of <http://images.craveonline.com>

The second phase of the project will begin in the fall quarter. It will consist of an audit of the kitchen equipment along with a cost-benefit analysis of replacing or retrofitting some of the equipment, to determine where the most combined energy and monetary savings can be found. This phase is still a couple months from implementation, but with the first phase already partially completed, the Green Commons project is well under way. More to come in the months ahead about this exciting project!

DID YOU KNOW?

About 80 percent of what Americans throw away is recyclable, yet our recycling rate is just 28 percent!

Courtesy of <http://www.ecocycle.org>



Au Revoir, Elaine!

May marked the final month of Elaine Dulay's stay with Green Campus. On June 13th, she will graduate and receive her Bachelors of Science in Urban and Regional Planning. She had been with the team for two very productive years, during which time she organized and assisted on many projects, such as the energy competitions and Take the Stairs Day, all of which helped the program to grow at Cal Poly Pomona. She also was an exemplary treasurer as well as secretary. Elaine will be remembered for her enthusiasm and cheerful personality, her careful attention to detail, but most of all, her friendship. We'll miss you Elaine!

EE Global: Green Campus Intern Awarded an Opportunity of a Lifetime

What conference would a student interested in energy efficiency want to attend? EE Global! Through his work with the Green Campus Program, Brandon Ro along with Jackie Mercure, CSU Chico Green Campus intern, won a competition for an all expenses paid trip to attend this year's EE Global conference held in Washington D.C. Hosted by the Alliance to Save Energy, EE Global is the annual Energy Efficiency Global Forum and Exposition attended by executive-level world leaders from all end-use sectors who are committed to putting energy efficiency to work in their businesses, communities and markets.

During the Solutions Showcase, Ro participated as an exhibitor for Green Schools and Green Campus. He presented several successful projects of the Cal Poly Pomona Green Campus team. Among these projects was the parking structure lighting audit and retrofit that is currently helping save the University over 200,000 kWh and \$29,000 annually.



Brandon Ro (CPP) and Jackie Mercure (CSU Chico) present their Green Campus successes in the Solutions Showcase.



Photo courtesy of Alliance to Save Energy

Washington D.C. seventh graders from Stuart-Hobson Middle School after a fun energy scavenger hunt.

Throughout the session, Ro networked with energy efficiency leaders from Hong Kong, Johannesburg, and England and discussed ideas about starting new energy efficiency educational programs in their respective countries. Later, he attended the Global Energy Efficiency Education Initiative meeting that explored how existing environmental education programs around the world identify gaps and opportunities for enhancing energy efficiency literacy among students and the workforce.

In addition, Ro had the opportunity to work with local Washington D.C. youth - seventh graders from Stuart-Hobson Middle School. This included assisting with an energy scavenger hunt, quizzing students about energy efficiency, and handing out prizes.

Learning from leaders of various industries has helped broaden Ro's perspective on energy efficiency. This knowledge will help him build better relationships with stakeholders, advocate energy efficiency in campus policy, improve building designs, grow sustainable economies, and improve cross-discipline communication.

Green Campus CPP receives Best Practice Award

The Green Campus Program at Cal Poly Pomona has been announced as the winner of a Best Practice Award for Student Energy Efficiency as part of the 2010 California Higher Education Sustainability Conference! The team was given this award in recognition of the various energy projects they have implemented at CPP over the last 3 years. These projects include the parking structure lighting audit which has helped to save the university close to \$29,000, various interior lighting audits, student housing energy competitions, and the energy video completed earlier this year. The projects were recognized for their relevance to the best practice program, cross-campus replicability, multi-discipline design collaboration, energy savings, and campus-wide impact.



Logo courtesy of <http://2010higherededsustainabilityconference.org>

Interns Brandon Ro and Andrew Coyne will represent the entire Green Campus team when they give a formal presentation on their projects at the ninth annual 2010 California Higher Education Sustainability Conference, taking place June 20-23 in Los Angeles.

Green Campus and Green Schools Promote Energy Efficiency at Elementary Schools

By: Cynthia Joe

On May 22, 2010, CPP Green Campus interns Andrew Coyne, Brandon Ro, Cynthia Joe and CSU San Bernardino Green Campus intern Emily Edris collaborated with Green Schools project manager Jennifer Alvarez to perform skits for students at Crowne Hill Elementary School (in Temecula) and Machado Elementary School (in Lake Elsinore). In total, the interns put on three assemblies, reaching over 300 children. The goal of these performances was to educate elementary school students about energy usage and to encourage responsible habits from an early age. Intern Brandon Ro appeared as the mischievous Energy Hog and intern Andrew Coyne donned a white lab coat as the Energy Hog Buster. Both actors hosted a "game show" where students answered questions about energy efficiency to solve a "secret message." Whenever a student answered a question correctly, the Energy Hog Buster would reveal two letters of the secret message and award them with an Energy Hog tattoo. Eventually, the secret message was revealed to be "Save energy, don't be an Energy Hog!"

For more information about the Green Schools Program, visit <http://ase.org/section/program/greenschl>



"Hey Andrew's my name and bustin' the hog is how I play my game!" Intern Andrew Coyne raps about saving energy at Crowne Hill Elementary School in Temecula, CA.



"Look what I found!" Intern Andrew Coyne (as the Energy Hog Buster) "catches" the Energy Hog (played by intern Brandon Ro).

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Green Schools Performance Photo Gallery



Far left: "Oooh, pick me, pick me!" Machado Elementary School students clamor for intern Andrew Coyne's attention so they can answer a question and solve the secret message.

Left: A Crowne Hill Elementary School student is sure about her answer. She also wants an Energy Hog tattoo, which were used as prizes for the contestant winners.

Caught GREEN Handed

In an effort to increase cross campus sustainability, every month the Green Campus Program is spotlighting individuals and/or organizations on campus who have been caught "green handed." This month we are spotlighting the following organization and individual.

Rosa Lamas-Serratos - Counselor, Visitor & Information Center

In the Visitor & Information Centers (VIC), Rosa Lamas-Serratos has initiated the re-use of every piece of paper printed in the office. Often, one-sided print jobs are thrown straight into a blue recycling bin. This means that an entire side of paper is clean and never used. Thus, whenever her co-workers print something in the VIC, she encourages them to try to re-use the paper. Through her initiative, paper purchasing at the VIC has reduced dramatically. Thank you, Rosa!

Have you or someone you know been caught "GREEN handed"?

If you or someone you know has been going the extra mile for sustainability or green initiatives and is worthy of recognition, please email us at GreenCampus.CPP@gmail.com. You can also submit to us any suggestions you have for campus sustainability (Ex. "I noticed the lights are on all night in building _____, can we turn those off and save energy?"). All submitters will be entered into our monthly raffle for a prize!

INSTRUCTIONS FOR SUBMISSION: All submissions received before the 15th of the month will be included in the following "Green Pastures" newsletter and featured on our website. Each entry must include name of the individual/organization being spotlighted, college/organization, department/major and be 100 words or less. Those who submit the entry will be entered into a raffle and should include their contact info.

May Savings

Event	Quantity	Energy (kWh)	Water (gal)	Emissions (lbs of CO2)	Monetary (\$)
Sustainability Pledge *	117	215,364	823,440	215,364	\$54,625
Total Projected Savings since 2007	n/a	594,476	2,052,210	2,355,246	\$163,285
Total Actual Savings since 2007	n/a	1,566,774	n/a	2,480,048	\$219,842
Grand Total**	n/a	2,161,355	2,052,210	4,835,460	\$383,142

NOTE: * Comprises projected yearly savings

** Grand Total includes both actual and projected savings since 2007

BESS 2010: A Sustainability Symposium Here at Home

By: Brandon Ro

Cal Poly Pomona was recently recognized by the Princeton Review's "Guide to 286 Green Colleges." One reason is because of the campus' "methodical, systematic approach to sustainability," according to the guide. This approach continues day by day. In fact, on April 30 and May 1, the Cal Poly Pomona Department of Architecture and Simpson Gumpertz & Heger Inc. hosted BESS, a two-day peer-reviewed technical symposium at the Kellogg West Conference Center. BESS - short for the High Performance Building Enclosures: Practical Sustainability Symposium - investigated perspectives from professional and academic viewpoints and highlighted state-of-the-art best practice techniques of building enclosure design.

Presenters during the conference consisted of students, faculty, and registered professionals. Symposium keynote speakers included award winning architects Barton Myers, FAIA and Thomas Schneider, AIA from Barton Myers Associates, Inc. as well as Martin Summers and Brandon Welling from Morphosis Architects. The symposium organizing committee consisted of working professionals, faculty, and students. Green Campus intern, Brandon Ro, served on the student committee for the symposium. Besides working behind the scenes, he was also invited to display several of his projects at the student poster session. His projects demonstrated both technical and passive sustainable design strategies for single family housing for New Orleans and San Pedro.

Building enclosures are important to the Green Campus Program because they deal with both energy efficiency and occupant awareness. According to symposium literature, building enclosures occupy "one of the most important and visible positions in architecture, [because they] serve a crucial role in sheltering building occupants from environmental forces and promoting aesthetic and/or bio-climatic expression. Consequently, building enclosure design (whether opaque or transparent) provides critical life-safety functions and sustainability features for the built environment." If a building is not sealed appropriately it can cause the heating and cooling loads to increase. If the enclosure is designed in an appropriate way, it can serve to educate its occupants of its environmental features. All in all, the technical knowledge gained from the symposium will help benefit the Green Campus Program in the near future.



Symposium attendees enjoy themselves in conversation during the student poster session cocktail hour.

Contact Us!

Green Campus Interns:

Brandon Ro: brro.sonrisas@gmail.com
 Andrew Coyne: andrew.coyne1@gmail.com
 Cynthia Joe: cynthiajoe@gmail.com

Reach us online at:

www.GreenCampusCPP.org
green campus.cpp@gmail.com



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