

Green Pastures

GREEN CAMPUS PROGRAM



CAL POLY
POMONA
1ST QUARTER08



Interns Audit President's Home and Gain Valuable Support

Green Campus interns held their first energy audit on December 20 at the Manor House, where Cal Poly Pomona's President, Michael J. Ortiz, currently resides. This event marks the beginning of a strong relationship with President Ortiz and his wife, Betty Ortiz. Mr. Ortiz was at a meeting during the audit, but Mrs. Ortiz welcomed the team to their home.

With guidance from George Lwin, campus advisor, the interns outlined goals and objectives such as designing and implementing student-led campaigns that result in measurable energy savings, creating effective and lasting student-staff partnerships that lead to systemic and sustainable energy efficiency, fostering environmental

stewardship by raising campus awareness about the relationship between energy and the environment, and developing replicable energy education curriculum and integrating it into academic offerings. Among the projects discussed were the bi-level lighting installation project, replacing stairwell lighting in with motion sensor lighting that powers down in low traffic areas and Compact Fluorescent Lamp (CFL) exchange, promoting changing out old incandescent lights with more efficient CFLs, and a residence hall energy competition, pitting residents against one another in a competition to save the most energy.

Mrs. Ortiz gave positive feedback and her full support in

the program. Her responsiveness and receptiveness at the meeting was the perfect demonstration of not only a caring and supportive wife Mrs. Ortiz is, but also a leader in setting an example of being an energy saving consumer. Due to the audit, in which a total of 76 light bulbs were replaced with energy saving ones, the preliminary calculation of the energy savings on the replacement lamps alone is 4,354 kilowatt-hours, which equates to an annual savings of \$631 and a reduction of over 1.6 metric-tons of greenhouse gas.

By: Jerick Patricio and Telat Yalcin

New Interns!!!

Intern Info

Christopher Scotti

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Razilee Tadeo

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Sunny Tsou

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Christopher Scotti

Hey! I'm Christopher Scotti, a first year conservation biology major here at Cal Poly Pomona. I have always been a nature lover and spent a good portion of my life outdoors. I enjoy activities like hiking, biking, surfing, kayaking, and sailing. It was through scout's that I really learned to love nature. Spending time in the mountains of California will do that to you. When I earned my eagle scout one of my charges was to protect the natural world I loved so much. I hope to stand to that. I am excited about this program. It is nice to see other folks who are actually concerned and think in a similar way. It is an exciting time and we are within a "green" revolution. It will be great to be a part of a group that is instrumental and a guide to everyone else.



Razilee Tadeo

Hi! I'm Razilee Veda Tadeo and a second year majoring in Urban and Regional Planning. I first joined the major with aspirations of designing cities, but after a few courses I found my interests to be in creating sustainable cities. I see Cal Poly Pomona as its own little community and am excited to apply what I've learned to our campus. I guess you could say I grew up with energy efficiency in mind, as my dad has been working for LADWP. What I enjoy most is traveling. My parents have always been true believers of learning through experiences and I think that our family vacations have been one of the most valuable gifts they have given me. My favorite destination is a tie between Sydney and Venice. I also enjoy art and music. One of my favorite museums is the Getty Center and I can be found admiring pieces while listening to my iPod. With all that said, I look forward to what lies ahead for Green Campus and Cal Poly Pomona.



Sunny Tsou

Hello! My name is Sunny Tsou and I am currently a second year here majoring in philosophy. I am excited to be a project intern for the Green Campus Program and I see a lot of opportunity to make a difference on our campus. I first became interested in environmental issues in high school when I took an Environmental Science class; ever since, my outlook has not been the same. As stressed quite often, energy efficiency is one of the easiest and quickest steps towards sustainability. Without energy efficient practices our future for sustainability is bleak at best. Therefore, the implementation of such practices and policies will definitely brighten our future. My other interests include philosophy (of course!), politics, law, music, international relations, snowboarding and much more! Finally, when I am not figuring out how many lights can be left off in a room or doing the activities above I can be found playing the greatest sport in the world Ultimate Frisbee! See you out there!



Energy Efficiency Summit in San Diego

Jump Starts new Interns.

By: Sunny Tsou

On February 10th-11th newly installed Green Campus Coordinators Chris Scotti and Sunny Tsou attended the Alliance to Save Energy's Green Campus Energy Efficiency Summit in San Diego. At the summit Scotti and Tsou were exposed to the many aspects of being a Green Campus Coordinator. Representatives from 13 CSU/UC schools and one private university attended the conference. Meeting many other Coordinators from campuses like CSU Chico, CSU San Bernardino, Cal Poly San Luis Obispo, and UCSB the pair were inspired, educated about the limitless possibilities of the Green Campus Program. The pair also had the opportunity to network with these green campus coordinators setting the foundation for future cooperation. Many Utility representatives attended the summit including representative from Pacific Gas & Electric, Southern California Edison, Sempra Energy and San Diego Gas and Electric providing great network opportunities. The first day of the summit was filled with workshops ranging from project development, a Green Campus Boot Camp for interns, technology demonstrations, and Green Campus regional group meetings. These workshops gave Scotti and Tsou a solid introduction to the Green Campus Program. "The Summit was the perfect way to start this internship," says Chris Scotti, the Summit was awesome. Monday's agenda consisted of inspiring speakers and presentations from Green Campus Coordinators on successful projects on their respective campuses. These included the copy machine adjustments from Humboldt and Chico State's Thermostat Resolution. Scotti and Tsou returned from Energy Efficiency Summit full of ideas and goals for their work as Green Campus Coordinators and looking forward to utilizing the resource made available by this summit.

CFL: Exchange Project

224 bulbs x 23W = 5,152W

5152W x (assume the usage of each lamp: 3hrs/day) =

15,456Whr/day

15,456Whr/day x (365days/yr) = 5,641 KWhr/yr

Incandescent:

224 bulbs x (assume that the average bulb replaced: 60W) = 13,440W

13,440W x (assume the usage of each lamp: 3hrs/day) = 40,320Whr/day

40,320Whr/day x (365days/yr) = 14,717 KWhr/yr

Savings:

(14,717 - 5,641) KWhr/yr = 9,076 KWhr/yr.

(2,207.55 - 846.15) \$/yr = 1,361.4 \$/yr

Vending Miser Projected Savings:

96 Available Vending Machines

Typical Vending Machine consumes 3500 kWh

96x3500=336,000 kWh

Vending Miser Saves 46% energy

336,000 x 46%=154,560 kWh

154,560 x 0.15 cents = \$ 23,184 yearly

Upcoming Projects!!!

Housing Education Project: A large scale education program to teach residents about energy efficiency and a CFL exchange. We will start in the next quarter so look for signs in your hall!

Parking Garage Audit: The new parking structure has doubled Parking and Transportation's energy bill. We will be auditing the parking garage on campus and working with Parking and Transportation to make it more efficient.

Earth Day Extravaganza: Tabling, CFL exchange, cool giveaways all to celebrate Earth Day and promote campus collaboration. Be ready and see you on April 22nd!!

The Alliance to Save Energy's Green Campus Program is funded by the California Ratepayers under the auspices of Southern California Edison.

