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The Green Campus Program at Cal Poly has been quite busy this past month. On going projects are building with steam and the interns cannot stop adding new projects! From the LEED Certification project to new and exciting dish washing projects, they sure do have their hands full. And no month would be complete without an Intern road trip to really build the dynamics of the group. All 6 interns rocked out in a dodge caravan 08 to San Diego for the Mid-Year Intern Meeting.

LEED Certification of the RecCenter

Prepared by Nancy J. Cole
Cal Poly, SLO Green Campus Program has partnered with the Associated Students Incorporated (ASI) to promote Leadership in Energy and Environmental Design (LEED) certification for the proposed expansion of the Recreation Center. Currently, Campus policy insures that a building “shall develop a CSU Sustainability Measurement System

and self-verification standard...based on LEEDTM principles,” according to the CSU Executive Order 987. This measure supports energy efficiency guidelines; however, it lacks any third party accountability to ensure high-quality performance standards are met.

Green Campus Interns lobbied ASI to bring forth LEED as a primary goal in the referendum that students voted on February 27th and 28th. LEED Certification of the Recreation Center is student’s direct opportunity to verify that the building they are paying for meets the performance they expect. The goal of the interns is to set the groundwork for students to make certain their future buildings meet energy-saving potential.

As part of an initiative to direct funds for the Recreation Center Expansion to LEED Certification, the Green Campus Interns created an informative three minute video on the energy savings difference between LEED Certification and LEED Equivalence. The video features ASI President, Brandon Souza;

Cal Poly Green Campus Program

The video features ASI President, Brandon Souza; Construction Management Professor and LEED AP, Mike Montoya; and Director of Facilities Services, Mark Hunter. The video, LEED the Way: Cal Poly can be viewed on the ASI Student Government website; it has been viewed by 400 people on YouTube alone and the Cal Poly newspaper Mustang Daily has featured an article in The Green Spot. Through the careful efforts and crafting of the Green Campus Interns, the Recreation Center Referendum featured an exit poll inquiring about the student's interest in certifying the building.

On February 29th, the results of the referendum show an overwhelming endorsement for the expansion. A total of 7,309 students voted, and 75% voted yes, 25% voted no. And of the students that voted for LEED, totaling 6,895 votes, 88% voted yes, and 12% voted no. This is an enormous victory for Cal Poly and a job well done for the Green Campus Interns. In total, more students voted yes on LEED certification than they did on the endorsement.

The efforts for LEED Certification of the Recreation Center and future buildings on campus are just at the beginning. As an institution of higher education, Cal Poly has an opportunity to set the example to mainstream cutting edge building practices, and Cal Poly Green Campus Program is the model organization to catalyze such efforts.

ENERGY Savings!

Interns gave out 10 CFLs at the Dorms during the Dorm Energy Outreach.

kWh	Dollars	Tons CO ₂	Cars off the Road
3,856	\$744	5,919	0.52

Values based off \$0.11 KWh, 10,000 hour bulb life 1.535 lbs CO2/kWh.

Travel: San Diego



The whole gang down in San Diego

The Alliance to Save Energy held the mid-year meeting this past month down in San Diego and all 6 of the Cal Poly interns went. By trains and cars, we arrived on the scene and had a great weekend all in all. The networking opportunities between other schools and interns gave the interns a great insight into successful Green Campus Projects and brought everyone on the team together. The van left on Monday with multiple conversations of projects and planning.



Chad, Eric, Nancy and Neil in San Diego

Project Updates

New Project: Campus Dining Dish-machine Upgrade

Project Coordinators:
Josh Lowrey and Neil Bulger

In order to expand existing projects within the Green Campus Program's portfolio, the team is looking to undertake a new project in the Campus Dining sphere. Substantial support exists from Campus Dining to push for energy saving projects within his department. The Green Campus team will look to work closely with them and Facilities Services to explore the project to upgrade an outdated dishwashing machine operating in Campus Dining. While the specific metrics are currently unavailable, the project will hope to have considerable energy savings in water heating costs, along with the savings in water usage. Beginning at the end of Winter quarter the team will be opening discussions to find out how to push the upgrade forward and determine what role the Green Campus team will play.

Green IT

Project Coordinators:
Josh Lowrey and Eric Veium

Throughout the last month the Green Campus team has been coordinating with our IT stakeholders and Verdiem sales representatives to outline the pilot implementation phase of the Green IT project. After several meetings with these individuals, it was decided that the best pilot program for Cal Poly would involve:

- Short internal compatibility testing period for IT
- Installation on 12 - 15 workstations in the Administration and Finance Division (AFD)
- Short "baseline" period to acquire data on current usage trends

- One to two month monitoring phase to collect data, try different policies, and get familiar with the software's management and reporting tools

The team will shortly be moving into the baseline phase. IT is developing a list of candidate workstations representative of different types of users for this next phase; this is expected to be completed by March 7th. Our team expects to play a role configuring the software and assisting in developing policies for energy saving on the network. The next major step will be to implement the policies and collect data on the results. Throughout the next few months, reports will be developed that show demonstrable energy savings created by the power management software. This will aid the team to further expand this project to IT divisions around campus.

Dorm Energy Competition

Project Coordinators:
Doug White, Nancy Cole, Neil Bulger



Sequoia Hall Ice Cream Social

In preparation for the Dorm Energy Competition beginning in week two of next quarter, the interns presented ways and ideas to save energy and water within the dorms. They brought pizza and ice cream and showed The Phantom Hunter which was a big success. 3

Connections within the dorms to conduct energy audits of individual rooms and created flyers for additional student outreach. In the upcoming weeks interns will be doing more outreach activities similar to this to create additional awareness. There seemed to be a lot of energy surrounding the event, which creates for a more enthusiastic Green Campus team.



Muir Hall Dorm Energy Outreach



Real Time Energy Monitoring

Project Coordinator:
Chad Worth

At the beginning of spring quarter Cal Poly will partner with Powersmiths Inc. to install a real-time energy monitoring system in the Sequoia Hall Dormitory. The energy and water consumption data will be displayed through an interactive touch screen display kiosk in the lobby. This project will be joining efforts with the dorm energy competition to conduct an experiment of the effectiveness of real-time feedback in reducing consumption compared to manually obtained non-continuous feedback (weekly, bi-weekly).

The Alliance to Save Energy's Green Campus Program is funded by the California ratepayers under the auspices of the California Public Utilities Commission, Southern California Edison and the UC/CSU/IOU Energy Efficiency Partnership.