

2006-08 Energy Efficiency Portfolio Monthly Report Narrative

Program Implementer Name: Alliance to Save Energy
Program Name: Green Campus Program
(UC/CSU/IOU Energy Efficiency Partnership)
Program Month: August 2008

1. **Program description**

The Alliance to Save Energy's Green Campus Program is a student-oriented education and outreach program that fosters environmental stewardship by raising awareness about the relationship between energy and the environment on University of California and California State University campuses. Through its activities, the Green Campus Program seeks measurable energy savings on the campuses which it serves.

The Green Campus Program is implemented by the Alliance to Save Energy, its subcontractors (hereafter referred to collectively as "Alliance Green Campus team members"), and paid student interns ("Green Campus interns").

The Alliance to Save Energy operates on nine campuses through the UC/CSU/IOU Energy Efficiency Partnership's Training and Education budget: Humboldt State University, CSU Chico, Cal Poly San Luis Obispo, UC Berkeley, UC Santa Cruz, UC Merced, UC San Diego, and San Diego State University. In addition, funds from the UC/CSU/IOU Energy Efficiency Partnership's Training and Education budget also supplement programs at UC Santa Barbara, CSU San Bernardino, Cal Poly Pomona and UC Irvine. These campuses are located in the SCE, SCG, SDG&E, and PG&E service territories.

Administrative activities (describe)

Green Campus team members conducted weekly check-in conference calls with interns at all Green Campus schools and in order to discuss ongoing projects, track action items and plan for the fall 2008 term. Also this month, Humboldt Green Campus Interns moved into their new office space in Plant Operations.

In August, Green Campus team member and UCSC Campus Lead Morgan King held a phone meeting with stakeholder and UCSC Energy Manager Patrick Testoni to discuss opportunities for collaboration on projects. Mr. Testoni expressed his interest in utilizing Interns on two projects this academic year:

1) Major outdoor lighting retrofit from HPS (high pressure sodium) to bi-level LED across campus. Green Campus can play a significant role by conducting an inventory of outdoor lighting, identifying and mapping various lamp types, photographing light fixtures, and then maybe doing some education and outreach around the new LED lighting;

2) Education and advocacy. Green Campus can educate staff through office energy audits and also work with Mr. Testoni to begin cataloging energy efficiency and other sustainability projects on campus and posting them on a website as an educational portal for the campus community.

Interns will discuss these projects and others with Mr. Testoni and others during a stakeholder meeting in September (see Direct Implementation Activities below for more information).

Alliance staff also held a phone meeting with stakeholder and UCM LEED Coordinator Mark Maxwell to discuss opportunities for collaboration on projects. Mr. Maxwell expressed his interest in utilizing Interns on two projects this academic year: An LED T8 light tube retrofit of campus lighting; and the documenting of LEED-EB energy credits. Interns will discuss these projects and others with Mr. Maxwell and the rest of their stakeholders during a meeting in September (see Direct Implementation Activities below for more information).

On August 5 and 6, the Alliance to Save Energy Education Team held a retreat to discuss current projects – including Green Campus – and their development for the next year and beyond. This two day retreat convened the Oakland Alliance staff members as well as Merrilee Harrigan and Emily Curley from the Washington DC office for idea sharing and troubleshooting and planning. Outcomes included, among others, plans for strengthening the national reach of Green Campus, expansion to community colleges, and harnessing additional media outlets.

In August, Alliance Green Campus staff worked with SCE Program Manager Carlos Hernandez to finalize an energy savings chart to include in intern newsletters during the 2008-09 academic year (**see attached**). Use of this chart will be used to compile program-wide savings during this year and in the future, according to the following agreement:

ASE will continue to submit monthly management reports regarding the Green Campus Program, including campus newsletters as attachments (in addition to other demonstrative attachments). These pdf newsletters will include in them the prescribed energy savings chart that was discussed and finalized between ASE and SCE in August 2008. Also attached will be the excel spreadsheet versions of these charts, which SCE will compile monthly. ASE will compile savings data quarterly (format TBD, but to include narrative descriptions), and make note in the spreadsheet when data is unavailable at the time of the quarter's close (however mention will be omitted from the newsletters until the data becomes available). This procedure will be piloted and reviewed for effectiveness.

On August 26, Jo Tiffany and Renee Lafrenz participated in a conference call with Nancy Frelander-Paice and Marlene Nang from the CSU Chancellor's Office to discuss Green Campus involvement in the upcoming CSU Facilities Management Conference (see November 2007 report for information about last year's attendance). This year, the Alliance plans to work with organizers to enhance student opportunities at this event, including the following:

- Career roundtable with industry representatives in the facilities and energy management sector;
- Conference mentorship pairings between student attendees and staff members;
- Further development of the student competitions, including tabling and an opportunity to present to the whole conference at the closing plenary.

Pending funding from CSU, Green Campus plans to support and prepare all Green Campus interns who are able to attend.

On August 29, Jo Tiffany, Renee Lafrenz and Merrilee Harrigan held a conference call with nationally recognized higher education sustainability expert Debra Rowe regarding Green Campus expansion to community colleges (**see attached notes**). Outcomes of this call included a list of possible ideas for launch and development, as well as organizations to initiate

contact with like the Energy Action Coalition, academic disciplinary associations, and national housing administration networks.

This month, the Green Campus team continued to work closely with treasurers to close out 2007-08 intern budgets and VISA Buxx accounts. In preparation for the new school year, the Green Campus team updated the UC/CSU Partnership and SCE campus expense report templates and the Treasurer Procedures section of the Green Campus Intern Handbook (**see attached**), and instated VISA Buxx cards for new treasurers at Humboldt State, UC Merced, CSU San Bernardino, San Diego State, UC Santa Cruz, Cal Poly Pomona, and UC Irvine. Campus Lead, Jennifer Alvarez held three treasurer trainings on August 27th, August 28th, and September 3rd to review updated procedures and the 2008-09 expense report which includes a revised Budget Summary sheet with 10 UC/CSU campuses (NOTE: UC San Diego and UC Berkeley implementation budgets are supported by the University, and Stanford's budget will continue through the end of December 2008). The 2008-09 UC/CSU and SCE campus implementation budget cycle began on August 1, 2008.

Direct implementation activities (describe)

NOTE: This month, intern activity on campus was limited due to summer vacations.

Intern Implementation Budget

See ***attached August 2008 Intern Implementation Budget Summary*** to gauge the status of the implementation budgets for each Green Campus.

CFL Exchanges

2007-08 Academic Year to Date (i.e., since August 1, 2007), Green Campus has exchanged a total of **13,539 CFLs**. During August, Green Campus interns in the SCE, PGE, and SDGE territories exchanged a total of **256 CFLs provided by SCE**. August CFL exchanges break down as follows:

CFLs Provided by SCE

SCE – 0
PGE – 104
SDGE – 152

CFLs Provided by Others

SCE – 0
PGE – 0
SDGE – 0

See ***attached August 2008 CFL Exchange Summary*** for details, including bulb wattage and origin.

UC Berkeley

This month, the team drafted and submitted their fall Scope of Work Action Plan (***attached***) to their Campus Lead for review. This project list will then be discussed with stakeholders at their upcoming fall advisory meeting.

Fall "Shut the Sash" Fume Hood Competition

This summer, Interns began planning the fall semester "Shut the Sash" Fume Hood Competition. Green Campus interns met with newly graduated Green Campus Intern Desirae Early to discuss and brainstorm ideas of how to promote the competition in Tan Hall. The team agreed to promote a building-wide competition similar to last semester, with buildings being eligible for a fruit and cheese party if occupants achieve a **total energy savings goal of 5.5%**. To enhance the reach of the educational campaign, interns will send out a weekly newsletter of tips to update participants of progress and ways to conserve energy in different building settings.

The Big Save: Stanford vs. Cal Residence Hall Energy Competition

This fall, Green Campus Interns from Stanford University and UC Berkeley will take their rivalry off the sports field and into the residence halls. During the 2008-09 academic year, the Berkeley Blackout Battles energy competition was not only extended to a 2-month long competition, but will also feature this inter-Green Campus competition. Interns from both teams have met and discussed plans to challenge their residents to achieve the most energy savings on their respective campuses. The tentative launch is slated for October or November 2008.

Berkeley Green Campus interns will also promote an internal competition between the four residence halls (Units 1-4) during the same time frame. Interns will begin to post publicity posters in September and recruit students in the Energy DeCal academic course (see Program Achievements below) to help promote the competition. The winning residence hall will be awarded with an ice cream party in January.

Humboldt

In August, Interns developed a Statement of Work (SOW) encompassing projects to be implemented in the fall semester (**see HSU Team SOW, attached**). After Campus Lead review, this document will be provided to stakeholders to alert them of upcoming Green Campus efforts.

Stadium Lighting Project

See July 2008 Monthly Report for background on this project. During this reporting period, Interns completed a SOW for the project (**see Redwood Bowl Lighting SOW, attached**), however, they have experienced some delay in obtaining the stadium lighting schematics from Plant Operations. In September, Interns will look to acquire this information as the first step towards facilitating a proposal from Mosco Lighting.

Also this month, Interns met with the president of the student group Renewable Energy Student Union (RESU) to discuss opportunities for collaboration on the stadium lighting project. Interns agreed to join RESU in applying for an EPA P3 grant to support efforts to redesign the stadium lighting for energy efficiency and light pollution reduction. RESU was awarded an EPA P3 grant last year (\$10,000) for the development of a wind monitoring tower installed on the campus library. RESU agreed to prepare much of the technical design and background work in order to apply for the grant and move the project forward. In September, Interns and RESU will meet to discuss submitting a proposal for stage I (indicating they are seeking \$10,000). The deadline for the full plan, proposal and all specific details is April 2009.

Interns also continued to move forward with seeking financial support for this project from the Humboldt Energy Independence Fund (HEIF). In August, Interns scheduled an early September meeting with their HEIF liaison to discuss the addition of the following elements to their proposal:

- High efficiency dusk-to-dawn safety lighting for the field (LED or possibly T5)
- High efficiency scoreboard to replace existing scoreboard
- Implications of the EPA P3 grant

UC Santa Cruz

Spanish Language Energy Education for Dining Hall Staff

See July 2008 monthly report for more information on this project. This month, Interns were unable to schedule dates and times for a Spanish language training for dining hall staff, but plan to put in the legwork for a September launch. Interns plan to contact the Spanish Department on campus to look for opportunities to make the Spanish language training a student project. Through this effort, Interns will be able to educate students about energy efficiency, while concurrently educating dining hall staff.

Cal Poly SLO

Week of Welcome (WOW)

This month, Interns completed a Scope of Work for the Week of Welcome (**see SLO WOW SOW, attached**) and continued coordination and preparation efforts for the event. Interns worked with WOW organizers to reserve rooms and times for their sessions and to finalize related logistics.

Interns also met with Energy Manager Dennis Elliot and WOW organizers to discuss methodology for educating students and WOW organizers on the carbon debt associated with the event's activities. The group agreed to conduct a broad analysis of energy, fuel, waste and other carbon-producing requirements of each WOW aspect and then develop a ranking system that highlights low-carbon activities. During WOW, interns will shadow up to three events to better understand their fuel and energy requirements. The ranking system will be utilized to educate incoming students on the impacts of their activities and the efforts of the university to mitigate those impacts.

Furthermore, WOW organizers intend to institutionalize the ranking system and include it in the pre-planning of the next WOW in 2009. The analysis and ranking will be developed following the 2008 WOW events in September.

Green Wash Campaign

This month, Interns held calls with Dining Associate Director Alan Cushman and Energy Manager Dennis Elliot to verify progress towards procurement of a new energy efficient dishwasher to replace an existing dishwasher (see July Monthly Report for more information on this project). Based on the research and analysis conducted by Interns, Alan Cushman moved forward with the purchase of a new dishwasher with the intent of having it installed and in operation prior to the beginning of the fall quarter. In September, Interns will establish energy savings estimates based on the new dishwasher compared to the old one.

Also in September, Interns will meet again with Alan Cushman to discuss other avenues of Green Campus support for Dining Services (i.e., assisting with the UC/CSU/IOU Partnership rebate application, investigating other energy savings opportunities in Dining, etc).

Vending Miser Inventory

In August, Interns met with Energy Manager Dennis Elliot to discuss the Interns' role in conducting an inventory and energy analysis of vending machines on campus. Mr. Elliot is

poised to deploy Vending Misers for all machines on campus that can use the technology. In September, Interns plan to conduct a cross-campus sweep to map out machines and collect energy data. Once completed, Interns will present their findings to Mr. Elliot, who will use the Interns' analysis in making his decisions on deployment of the misers. Mr. Elliot also indicated that Interns may oversee the installation of the equipment.

UC Merced

Interns completed a Team Statement of Work (SOW) this month, which reflects projects currently on the table for fall semester (**see UCM Team SOW, attached**). The document will likely change somewhat following the stakeholder advisory meeting in September.

UC Merced CFL Distribution in August 2008

Event	Watts	Source	Amt. distributed
Move-in Day	20	SCE	4

Sustainability Committee

In August, Interns attended a meeting of the Chancellor's Advisory Committee on Sustainability. At the meeting, Interns and the Committee planned for the upcoming Sustainability Day on October 6th to celebrate UC Merced's campus-wide accomplishments in LEED construction and to highlight on-campus efforts – notably including Green Campus' – to encourage sustainability on multiple levels. Interns' participation in the planning and preparation for this event will continue through September.

Interns also discussed the following projects with the Sustainability Committee:

1. **Develop a self-guided campus sustainability tour**, which would start as a map for a walking tour but may expand to include self-guided interactive and virtual (i.e., pod-cast and website) components.
2. **Develop graphic sustainability displays for display cases on campus.** Displays might rotate through on- and off-campus display cases on a regular basis, or remain static as a permanent sustainability display at a key campus location.

Interns will work with the Sustainability Committee this year to move forward with developing and implementing the projects listed above.

CSU Chico

Office Energy Audits

See July 2008 Monthly Report for background information on Sustainability Consultations of Office Practices (SCOOP) and Green Campus' role in the energy auditing portion. This month, Interns focused their efforts on finishing energy audit reports and completing and compiling all marketing, training, certification and documentation tools to be delivered to the Institute for Sustainable Development (ISD). In August, ISD hired a student coordinator to oversee the recruitment of volunteers and deployment of SCOOP across campus. Green Campus Interns met with the new student coordinator shortly after she was hired to provide her with initial training in the energy auditing portion of the consultation.

Furthermore, Interns Amelia Gulling and Tami Kautz provided training to fellow Green Campus Interns Fumiko Motohashi and Shannon York. Although ISD will be taking over as the lead coordinator of SCOOP, Green Campus Interns will remain involved and provide consultation as the program continues to evolve and expand. **See SCOOP Certificate, SCOOP Logo, SCOOP Intern Flyer, and SCOOP Award Criteria attached.**

Below is a chart depicting identified annual energy savings based on the SCOOP energy audits conducted by Green Campus Interns over the summer:

Department	Identified Annual kWh Savings
Housing and Food Service (HFS)	6,540 kWh
Business	1,055 kWh
Technology and Learning Program (TLP)	1,682 kWh
Academic Technologies (AT)	2,540 kWh
TOTAL	11,817 kWh

Note that the savings figures listed above are estimated based on recommended behavioral and operational changes. **For more information, please see HFS Report, Business Report, TLP Report, and AT Report attached.** SCOOP volunteers will be available to follow up with these departments in the fall semester to support efforts to implement recommendations.

Green Retreat

This month Interns continued to plan for the Green Retreat. This event will take place on September 12th from 9 – 5 PM and is designed as a training opportunity for new Green Campus for credit interns, and volunteers (note that all academic interns are required to attend as part of their internship). Alliance Green Campus Interns will facilitate the sessions.

Below is a tentative agenda:

- Introduction and Icebreaker
- Energy 101 – fundamentals of energy and energy efficiency
- Energy Auditing Tools and Calculating savings
- Green Campus History – Connection to ASE and PG&E
- Lunch
- Green Campus Projects – Current and Future
- Tour to visit Sustainability House, Shasta/Lassen real-time energy meters, BMU 301 and other Green Campus projects
- Meet your stakeholders – Energy Manager Mike Bates, advisors Mark Stemen, Bret Bosma and Laurie Brown

*Note: Bret Bosma is a former Green Campus Intern who has been hired by CSU Chico as a ?

During this month, Interns worked with Mark Stemen to write letters to professors to explain why students should be excused from class to attend the event. Interns expect to have **between seven and twelve students** in attendance.

San Diego State

CFL Exchanges

Event	CFLs Exchanged
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International Student Orientation	136 (23W; provided by SCE)
Women's Studies Lectures	16 (23W; provided by SCE)

For a description of this event, see Marketing section below.

Greeks Going Green

During the fall 2008 semester, SDSU Green Campus plans to implement a “Greeks Going Green” organization throughout the extensive Greek system. This endeavor is an effort to measure and reduce energy consumption of fraternity and sorority housing through active involvement and educational programs. The Greeks Going Green campaign will begin following this fall semester’s Greek recruitment week in early October. The campaign will consist of presentations about the mission statements of the Green Campus Program, how to conserve energy, and the incentives as well as competitions that will engage all fraternity and sorority chapter houses. By early October, the teams intends to have finalized by-laws for the Greeks Going Green organization, approval to start-up the organization, and a power-point as well as other marketing tools to rally support and recruit members.

UC San Diego

Energy Assessments

This month, UCSD Green Campus completed the Hillcrest Lab Energy Assessment and continued to work on their audit of the new Price Center. The team identified potential savings of **2056 kWh** as part of the Hillcrest assessment. Interns plan to follow up with these facilities, and the other offices and buildings that they’ve previously audited in order to assess the effectiveness and uptake of their recommendations.

2. Marketing activities (describe)

Green Campuses completed newsletters during this reporting period in order to inform their campus stakeholders about their current projects (**see attached**).

Sustainability Conference/End of Year Website Article

A summary of Green Campus’ involvement in the UC/CSU/CCC Sustainability Conference was posted this month on the Alliance to Save Energy Green Campus website and also featured on the Alliance’s main page. The article included a link to view the presentations that the Best Practices winners – UC Berkeley, Chico State and UC Santa Cruz (honorable mention) – gave as part of their conference session. The article can be viewed at <http://www.ase.org/section/program/greencampus/>.

UC Berkeley

Calapalooza

On August 28th, Green Campus interns participated in Calapalooza, UC Berkeley’s annual club fair for incoming freshmen and transfer students. The team spoke to over **200 Berkeley students** about Green Campus activities and the importance of energy conservation and awareness, exchanged **100 CFLs** provided by SCE throughout the evening, passed out information flyers, and recruited students to take the fall Energy DeCal class. They also collected a large list of students interested in assisting the team with upcoming projects, thereby laying the groundwork for a Green Campus club in the coming year.

Hall Staff Outreach

This month, Intern and Resident Assistant (RA) Shawn Orgel-Olsen represented Green Campus and educated fellow RAs about the importance of energy efficiency during the two-week long RA trainings from August 11th-27th. Mr. Orgel-Olsen handed out over **25 guides** filled with energy related programming ideas during the RA resource fair. Green Campus activities were presented to a group of Resident Directors and RAs at Walker Creek Ranch which led to a brainstorm session of how best to promote sustainable programs in the upcoming semester. At the end of the presentation, the Student Advocate from the Residence Hall Assembly voiced an interest in working with Green Campus to integrate energy efficiency into program requirements for student officers of each residence hall.

Housing CFL Exchange

Green Campus will continue to collaborate with the Residential & Student Services Program (RSSP) and the UC Berkeley Housing administration to promote the 4th annual Compact Fluorescent Lamps (CFL) exchange. This year, RSSP partnered with the Resource Solutions Group, to obtain 2500 free CFLs to be distributed in campus residence halls. Green Campus interns will coordinate the exchange, educating students about the mercury content in the bulbs and the importance of recycling bulbs at the end of its lifetime.

During Sustainability Week, September 22-25, interns will set up an exchange station at the Dining Commons during main dining hours, and students can exchange bulbs in their residence hall mailrooms through the school year. Interns are also collaborating with the Residential Sustainability Education Coordinators (RSECs) to pass out CFLs door-to-door in the residence halls.

Cal Poly SLO

In August, the Green Campus Program was featured in Cal Poly SLO's Second Biennial Progress Report on Sustainability as a critical student organization fostering energy savings and education on campus and within the campus community (**see SLO Sustainability Report, attached**). The report was distributed to staff and administrators across the campus, to the CSU Office of the Chancellor, and to participants of the UC/CSU/CCC Sustainability Conference which itself had over 1,100 attendees. The report is also available as a download from the Cal Poly SLO website.

CSU Chico

This month, Interns completed the design of a banner to use in tabling efforts and events. **Please see Chico Banner, attached.**

Tabling

Interns hosted an informational table this month, along with other student groups, during the first week of school. As part of this event, Interns distributed informational brochures on the Program, academic internship brochures, and Green Campus magnets. Approximately **100 students** visited the table.

Campus Sustainability Day at Boise State University

In August, Intern Amelia Gulling received an invitation to present at Campus Sustainability Day on October 22nd at Boise State University in Boise, Idaho. She was identified by Environmental Health Specialist & Sustainability Coordinator Sarah Cordova based on her involvement with Green Campus and successful efforts with a student-led initiative. Ms. Gulling is planning on accepting the offer to pay all her expenses to present on behalf of the program.

Humboldt

Campus Outreach

On August 20th, Interns hosted an informational table on the main Quad in the center of campus during a Humboldt Orientation Program (HOP) event. **At the event, Interns spoke with a total of 32 incoming freshmen and 11 parents, and distributed 17 stickers and 13 quarter-page flyers.** Three incoming freshmen left contact information in order to receive updates on the upcoming energy audit seminar and Green Campus for-credit internships (see below).

Also this month, Interns developed and sent a flyer to all **74 incoming students** that had signed up for more information during the HOP tabling in June through August. The flyer welcomes them to HSU and provides them with information on available academic internships, the energy audit seminar, and Green Campus contact information. **See HOP Welcome Flyer, attached.**

Library Displays

This month Interns reserved the large glassed-in display case near the front of the library for a three dimensional Green Campus display. This display will begin on September 15th and run through September 22nd. During this reporting period interns planned and collected items to include in the display along with a schedule of upcoming Green Campus events.

Lightswitch Plate Sticker Publicity

This month, George Mason University's Center for Climate Change Communication published an article on its website featuring Humboldt Green Campus' switch plate sticker and describing its use as a powerful yet simple energy conservation message. To view the article, go to <http://www.climatechangecommunication.org/forum.cfm?action=thread&id=7>.

Humboldt Green Campus Website

Also during this reporting period, Interns updated the Main, About Us, and Upcoming Events pages on the Humboldt Green Campus website. Interns also updated the Humboldt Green Campus blog, which can be viewed at: <http://hsugreencampus.blogspot.com/>.

UC Merced

Brochure Development

This month, UC Merced Green Campus Interns contributed to a brochure highlighting the campus sustainability initiatives. This marketing tool will be made available to attendees of Sustainability Day (see Direct Implementation section above) and for other related events. In September, the Advisory Committee will edit and finalize the brochure before printing it en masse.

Tabling

This month, Interns hosted a Green Campus table during Move-In Day registration for new and returning students. Over the course of four hours, Interns spoke with **10 students** and distributed information on Green Campus and its projects at UC Merced. Also at this event, **Interns distributed a total of 4 CFLs and Green Campus pens, and signed up 7 students interested in volunteering with the program and/or learning more about the Green Campus course.** Interns hope to reach more students with their tabling efforts in September at a Campus Involvement Fair (September 4th) and the Community Involvement Fair (end of September).

San Diego State

International Student Outreach

In August, the SDSU International Student Center (ISC) held extensive orientation events for incoming international students. Green Campus worked with campus staff member Sarah Clinton to table every day between August 22-29. Because of this involvement, ISC Director Ms. Kalionez signed a pledge to save energy and continually support the program.

On the 22nd, **125 international transfer students** attended the event and the team made **16 CFL exchanges**. The event focused on global warming, energy efficiency and practical job market skills; several students expressed interest in the internships offered by Green Campus. On the 25th, during the international grad student orientation, **150 students** visited the table and the team made **46 CFL exchanges**. On the 26th, another **150 students** attended the orientation and the team made **45 CFL exchanges**.

Students showed interest in volunteering and a few students offered to come on Thursday to help with tabling. On the 27th, **75 exchange students** attended the event and the team made **19 CFL exchanges**. The event culminated on the 29th of August with the orientation of international exchange students; the team made **10 CFL exchanges**.

Based on this exposure, Dr. Starck, Director Cross Cultural Center, invited Green Campus to table at the Cross Cultural Festival on September 8, 2008. Mr. Benford, Supervisor SDSU Sport Clubs also expressed interest in screening of "The Phantom Hunter" for his student staff at the Aztec Recreation Center.

Student Environmental Organization Coalition

This fall, the team plans to convene a Student Environmental Organization Coalition, involving their Associated Students Green Love Sustainability Board, Enviro-Business Society, and of course Green Campus. The coalition will serve as a networking medium and collaborative entity to increase funding for future projects, as well as implement larger scheme projects. Initial contact has been made and a kick off meeting is tentatively slated for next month.

3. Program performance/program status (describe)

- Program is on target
- X Program is exceeding expectations
- Program is falling short of expectations

Note: The Alliance considers that the Green Campus Program is exceeding performance expectations in that it is meeting, and in many cases, surpassing the program deliverables; in addition, it is consistently producing new, creative and successful program activities.

4. Program achievements (for non-resource programs only)

Task 1: Convene a meeting with key campus administrators and staff to gauge interest in the Green Campus Program and to secure pledges of support.

Chico

In August, Intern Amelia Gulling met with Laurie Brown, Dean of Construction Management, to request that she become an advisor to the Green Campus Program. Ms. Brown teaches a

LEED AP class at CSU Chico and is very focused on sustainability issues. She agreed to take on the role of advisor with the Program. Although current advisor Dr. Mark Stemen continues to provide some support to Chico Green Campus, he is looking to put more energy into other student groups this year.

Also this month Bret Bosma - instructor in the Electrical and Computer Engineering department and former Green Campus Intern - agreed to become an adviser to the Program.

Task 3: Recruit and support Green Campus Interns at each campus in implementing program activities.

UC Berkeley

This month, Interns initiated the recruitment of 1-2 additional interns to support the current 3-person team. Interns posted the UC Berkeley Green Campus Program Coordinator job description (see attached) on several campus websites and advertised during the Calapalooza tabling event. The team pre-screened seven potential candidates, and scheduled interviews for the top three applicants on Saturday, September 6th.

Task 5: Hold a fall planning meeting of student organizers and key administrators, facility staff, and faculty at each campus.

UC Merced

This month, Interns sent out invitations to stakeholders to invite them to a Green Campus stakeholder/advisory meeting to occur in early September. Interns spent time planning the meeting to ensure that it was meaningful for Interns and stakeholders and that it fostered the opportunity to strengthen and expand working relationships. In August, Interns invited the following individuals:

<i>Mark Maxwell</i>	<i>LEED Coordinator</i>
<i>John Elliot</i>	<i>Energy Manager</i>
<i>Jason Souza</i>	<i>Food Service Manager</i>
<i>James Genes</i>	<i>Special Assistant to the Vice Chancellor: Admin</i>
<i>Cindy Deegan</i>	<i>Director of Purchasing</i>

In the first week of September, Interns will attend the Sustainability Committee meeting, at which they will announce the stakeholder advisory meeting and invite other members of the Sustainability Committee to attend.

UC Berkeley

Green Campus Interns held a fall Residential Sustainability Service Program (RSSP) stakeholder advisory conference call on August 12. Interns met with key housing stakeholders: Campus Director of Sustainability Lisa McNielly; Access Control and Services Contact Larry Wong; Director of Housing, Operations, Maintenance, and Environment Jeff Urdahl; Principal Publications Coordinator Andrew Sohn; and Assistant Director for Residential Living Michael Taylor.

Interns reviewed program successes of the past year, and discussed project plans for 2008-09 including the "Blackout Battles" and "The Big Save" residence hall competition, CFL exchanges, and Hall Staff outreach (***see attached presentation***).

Humboldt

During this reporting period, Interns created and hand-delivered invitations for a stakeholder meeting scheduled for September 16th. Invited stakeholders include:

Name	Title
Richard Carlson	Associate Director of Housing and Dining
Ron Rudebock	Director of Dining Services
Richard Engel	GCP adviser and Energy Engineer
Robert Snyder	VP of Academic Affairs
Tom Dewey	Campus Police Chief
Kenneth Ayoob	Dean of AH&SS
TC Comet	Sustainability Coordinator
Tim Moxon	Director of Plant Operations
Rollin Richmond	University President
AS Executive Council Member	
HEIF Committee Member	

By the end of this reporting period, all invitees had confirmed their attendance except President Rollin Richmond, who will be out of town on September 16th.

Also this month, Interns coordinated logistics (i.e., reserved a room, ordered snacks and refreshments, etc.) and planned the one hour meeting's process. At the event, Interns will give a brief overview of current projects and provide stakeholders with the opportunity to share how Green Campus may better collaborate with them to ensure successful project implementation. Interns will then present awards to stakeholders for their support. In conclusion, Interns will facilitate a brainstorm session for new projects.

UC Santa Cruz

This month, Interns sent out invitations to stakeholders to invite them to a Green Campus stakeholder/advisory meeting to occur in September. Interns spent time planning the meeting to ensure that it would be meaningful for Interns and stakeholders and that it fostered the opportunity to strengthen and expand working relationships. In August, Interns invited the following individuals:

Patrick Testoni Energy Manager
Silas Snyder Housing Services Safety, Training and Resources
Clint Jeffries Food Service Manager
Ian McDonald Energy Analyst

Through this advisory meeting, interns expect to identify new projects to support stakeholder efforts to implement energy savings projects in their respective departments.

Task 7: Integrate energy efficiency and conservation into course curricula.

Campus/Course	Number of students
HSU Project-based Course	6
HSU Seminar	TBD

UC Merced Course	7
UC Berkeley Energy DeCal	30
UC Berkeley ER199	30
SDSU International Student	16
SDSU Women's Studies	24
Chico For-credit Internships	4
TOTAL	117

This month, **5 Green Campus teams integrated energy efficiency into course curricula:** UC Berkeley (two courses), UC Merced, Humboldt, SDSU, and Chico. The first three campuses structured an entire course (or two in the case of UC Berkeley), SDSU integrated projects into course assignments, finally Chico organized for credit volunteer internships. Note that the descriptions below are separated into the following three categories: Structured Entire Course; Integrated Course Assignments; and For Credit Internships.

➤ *Structured Entire Course:*

Humboldt State

Green Campus Course

In August, Interns continued in their efforts to recruit students for a for-credit Green Campus project-based course in the fall semester. Interns distributed a flyer announcing the course and sent out email announcements to students via the HSU Weekly Notices (**emailed to all students**) and via student environmental organization list serves. Interns also made announcements about the internship course in their classes. By the end of this reporting period, **10 students had applied for the six 2-3 unit positions: Outreach Coordinator (2 positions), Events Coordinator (2 positions), and Energy Audit Coordinator (2 positions)**. On September 4th, Interns will interview the 10 candidates.

Day-Long Seminar

This month, Interns continued to work with advisor and Schatz Energy Research Center Engineer Richard Engel to plan a comprehensive energy audit seminar to prepare more students to work with Green Campus to conduct energy audits in the 2008-09 academic year. Interns worked through the Office of Extended Education to schedule the one-day, 8 hour training for September 20th.

Interns and Mr. Engel refined the training agenda to use this time most effectively (**see HSU Audit Seminar Agenda, attached**). Mr. Engel agreed to be the lead instructor for the seminar. Dana Boudreau, Program Manager with the Redwood Coast Energy Authority, agreed to present on lighting; and Campus Lead Morgan King agreed to present on office equipment savings opportunities.

Also in August, Interns developed a flyer to be distributed by Extended Education and a quarter sheet to be handed out on campus (**see HSU Seminar Flyer and HSU Seminar Quarter Sheet, attached**). Interns contacted Denise Jones of the PG&E Pacific Energy Center to request materials to aid in their Green Campus seminar, and she agreed to send copies of a PG&E handout entitled "Energy Auditing Techniques for Small and Medium Commercial Facilities." In September, Interns will aggressively market this opportunity on and off campus and work with instructors to prepare for the seminar.

UC Merced

During this reporting period, Interns continued planning for a for-credit course (ES 199) to begin in the fall semester. Interns worked with their faculty sponsor Laura Elliot to complete a course schedule (**see UCM Course Schedule, attached**; note that the latter part of the schedule is blank to allow for enrolled students to come to a consensus in directing the topics and activities of the course). The class will meet for the first time on September 3rd, when students will complete paperwork in order to officially enroll in the student-led class. Interns are looking to cap the class at a **minimum of 3 and a maximum of 7 enrollees**. This month, Interns developed a course flyer to distribute to stakeholders assisting in recruitment, to post around campus and to have at the Move-In tabling event (**see UCM Course Flyer, attached**).

As a student-led class, Interns will direct enrolled students in developing energy efficiency projects that support the efforts of key Green Campus stakeholders (i.e., LEED Coordinator Mark Maxwell and Energy Manager John Elliot). Interns will facilitate student meetings with the stakeholders prior to embarking on projects. Students will be responsible for developing SOWs for their projects, tracking metrics and meeting with stakeholders throughout the duration of the course. For example, Interns expect to direct one or more enrollees to work with John Elliot in further fume hood decommissioning around campus.

UC Berkeley

Energy DeCal

Green Campus interns will facilitate the 8th consecutive semester of the 2-unit Energy DeCal course this fall semester. The course educates Cal students about the relationship between energy and the environment and how to make small changes in their lifestyle to reduce their energy consumption and carbon footprint. This semester, the class will continue to feature popular guest speakers who will inform students of cutting edge technologies and energy issues such as hydrogen fuel, consumer footprint, and sustainable living in an urban environment, take students on tours of campus solar panels and the green demonstration areas, perform a personal energy audit, and hold debates and discussions on up and coming energy related topics (**refer to attached syllabus**).

ER199: Applications of Energy Efficiency and Conservation

The Building Sustainability at Cal program will facilitate the 2nd semester of the ER199: Applications of Energy Efficiency and Conservation course this fall semester, which provides Cal students with hands-on experience in assessing the energy usage and costs of campus buildings (**refer to course syllabus**). The course is co-facilitated with Environmental Science 98/198 which concentrates on other sustainable aspects of building including water and waste. Both classes will focus on 6 buildings on campus. Note that this semester, Green Campus took on a more supportive role in facilitating the course, and will provide class organizers and students with energy audit tutorials (i.e. energy survey templates, audit equipment instructions, and data analysis tips).

➤ *Integrated Course Assignments*

San Diego State

International Student Curriculum

On August 7, Green Campus screened “The Phantom Hunter” for the international student program’s Oral Communication 10406 class. The class was attended by **16 students** from Saudi Arabia, Qatar, Korea, Japan, Spain, Brazil and Taiwan. Most students lived in the dorms but six students signed energy pledge and received CFLs to gift them to their American host families. Green Campus Intern Simarjeet Sahota introduced ASE’s Green Campus Program and the activities it conducts on various campuses, followed by the energy efficient word list for the class.

Students were also given SDSU green Campus brochure and The Phantom Hunter booklet to take home. Along with their instructor, Professor Gardella, the students appreciated the movie and new information. In fact, come fall semester, Professor Gardella wants more such presentations in his classes, as does fellow instructor Professor Romani.

Women’s Studies

On August 13, SDSU Green Campus presented *The Story of Stuff* to WS 102; this class was attended by **24 students**. Interns worked with students to draw links between globalization, consumerism and energy efficiency. The major question posed to students was, “what do you do to make a difference.” The team emphasized the benefits of energy efficiency as the fastest, cheapest means to this end. Writing to the SDSU Sustainability Coordinator came up as a possibility for students to earn credit class assignment for taking action.

On this occasion, **8 CFLs** were exchanged. A student approached interns afterwards to suggest that Green Campus retrofit her campus apartment with CFLs, and an additional 8 CFLs thereby replaced 75W incandescent bulbs.

Based on this success, as well as Green Campus’ ongoing work with the international student orientation (see Marketing section above), Professor Douglas has invited Green Campus to present in her WS 102 class on September 25, 2008.

➤ *For Credit Internships:*

Chico

This month, Interns continued recruiting for academic credit (up to three units) internships. Academic Interns will take on specific projects, learning through hands-on application of the goals and objectives of the Green Campus Program. Their efforts will be overseen by the Chico Interns. In September, Interns will hold a ‘Green Retreat’ to train the new academic interns for their roles (see Direct Implementation above).

Academic Interns will be recruited into the following positions:

- PR Specialist – Focusing on media, publicity and outreach efforts;
- Sustainability House Coordinator – Overseeing events and educational programs for residents and visitors to the Sustainability House;
- Greeks Go Green Coordinator – Education and energy savings for Sororities and Fraternities;
- Educational Outreach Coordinator – Work with Residence Life and develop opportunities to integrate Green Campus into academics

Interns conducted the following outreach this month to recruit for the academic internships:

- Posted academic internship flyer around campus

- Announcements at the beginning of classes
- Internship information left on the whiteboards in classrooms
- Intern brochures distributed during tabling event

Prospective academic interns were directed to download an application from the Chico Green Campus website (<http://www.csuchico.edu/greencampus/intern.html>). At the end of the reporting period, Intern Amelia Gulling had interviewed **three students** that had submitted applications. The last day to submit an application is September 12th.

Task 8: Convene end-of-year meeting of all Green Campuses

Note that Alliance staff convened the 2008 Green Campus End of Year Meeting on August 2nd. As this event was in conjunction with the late July UC/CSU/CCC Sustainability, both this conference and meeting was covered on in the July 2008 reports. In August, Green Campus staff subsequently launched an online intern evaluation of this joint event. The results will be analyzed to enhance future convergences.

5. **Changes in program emphasis, if any, from previous quarter** (e.g., new program elements, less or more emphasis on a particular delivery strategy, program elements discontinued, measure discontinued, budget changes, etc.).

None to report this month.

6. **Changes to staffing and staff responsibilities, if any**

San Diego State Intern Toni Nguyen submitted notification that he will complete his Green Campus Internships in September 2008. Toni will leave his role as team treasurer and be succeeded by Robert Ellsworth.

Also this month Cal Poly SLO Interns Josh Lowrey and Nancy Cole indicated they are stepping down from their positions with Green Campus (Josh in September and Nancy in October). In the next reporting period Interns and Campus Lead will initiate recruitment and hiring efforts to bring in at least one new Intern prior to the start of the fall quarter.

7. **Changes to contracts, if any**

None to report this month.

8. **Changes to contractors and contractor responsibilities, if any**

None to report this month.

9. **Number of customer complaints received**

There are no complaints to report.

10. **Revisions to program theory and logic model, if any**

No revision to program theory and logic model to report at this time.

Supporting Documentation:

1. Alliance Debra Rowe Meeting Notes
2. GC Metrics Summary
3. 2008-09 Treasurer Procedures
4. UC-CSU 2008-09 Expense Report Template
5. Intern Implementation Summary
6. CFL Exchange Summary
7. UC Berkeley SOW
8. HSU Team SOW
9. Redwood Bowl Lighting SOW
10. SLO WOW SOW
11. UCM Team SOW
12. Chico SCOOP Certificate
13. Chico SCOOP Logo
14. Chico SCOOP Intern Flyer
15. Chico SCOOP Award Criteria
16. Chico HFS Report
17. Chico Business Report
18. Chico TLP Report
19. Chico AT Report
20. August Newsletters
21. SLO Sustainability Report
22. Chico Banner
23. HSU HOP Welcome Flyer
24. UCB Program Coordinator job description
25. UCB RSSP Housing Presentation
26. HSU Audit Seminar Agenda
27. HSU Seminar Flyer
28. HSU Seminar Quarter Sheet
29. UCM Course Schedule
30. UCM Course Flyer
31. UCB Energy DeCal Syllabus
32. UCB ER199 Syllabus