Annual Report
July 1, 2011-June 30, 2012

The Green Initiative Fund
University of California, Berkeley
LEAD Center, ASUC Auxiliary
Hearst Gym 102 MC 4500
Berkeley, CA 94704
http://tgif.berkeley.edu
The success and breadth of TGIF would not be possible without the assistance and support of many campus partners and individuals.

TGIF thanks all UC Berkeley students for their generous fees of $5.50/semester, without which TGIF would not be able to provide campus sustainability grants and fulfill its mission of reducing UC Berkeley’s negative impact on the environment.

TGIF thanks all past and present TGIF Project Leaders for their dedication to UC Berkeley campus sustainability and for being the driving force behind the success of the TGIF program.

TGIF would also like to thank the following campus partners and individuals:

**TGIF Committee:** Kailin Lu, Rachel Chang, Mauricio Castillo, Autumn Petros-Good, Kira Stoll, Lin King, David Jenkins, Deanna Alwafai, Lisa McNeilly, and Judy Chess

**ASUC Auxiliary Staff and Student Staff**

**Office of Sustainability Next Generation Associates:** Rachel Balmy, Zara Fernandez, Nik Crain

**Chancellor’s Advisory Committee on Sustainability**

**Energy Management Initiative:** Erin Fenley

**Facilities Services,** especially Vice Chancellor Ed Denton

**Student Affairs,** especially Vice Chancellor Harry LeGrande, Dean of Students Jonathan Poullard, and Cal Corps Director Megan Voorhees

**Campus Recycling & Refuse Services:** Kimberly Williams and Julie Brown

**University Health Services:** Trish Ratto and Kim LaPean

**UC Berkeley News Center:** Cathy Cockrell and Carol Ness

**Student Groups:** ASUC Sustainability Team (STeam), Compost Alliance, ECO, Greening Operations (GO!) Team, PowerSave Green Campus, ReUSE

**The Beverage Alliance**

**Campus Green Fund Colleagues:** Patty Zimmerman, McKenzie Beverage, Mieko Ozeki, Lilith Wyatt, Kathryn Freeman, Melody Hartke, Kevin Ordean, John Griffin, Lacey Raak, Elissa Martinez, Erica Aguiler, Alyssa Hall, and TallChief Comet
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The Green Initiative Fund (TGIF) provides funding for projects that reduce UC Berkeley's negative impact on the environment and make UC Berkeley more sustainable. TGIF allocates funds to projects that promote sustainable modes of transportation, increase energy and water efficiency, restore habitat, promote environmental and food justice, and reduce the amount of waste created by UC Berkeley. Portions of the fund also support education and behavior change initiatives, student aid (via return to aid), and internships. Students, faculty, and staff may submit project proposals, which are selected for funding by the annually appointed TGIF Committee, consisting of students, faculty, and staff, on which the students have the majority vote.

TGIF is funded by a $5.50 per semester student fee, beginning in the fall of 2007 and persisting for 10 years. Student leaders created a massive and successful campus campaign, and the fee referendum was approved by the student body during the April 2007 elections of the Associated Students of the University of California. It received final approval by the Chancellor and UC Regents during the summer of 2007.

The 2011-2012 TGIF Annual Report is a comprehensive look at The Green Initiative Fund's accomplishments, challenges, and program changes from July 1, 2011-June 30, 2012. The report chronicles TGIF's positive impact on environmental sustainability at UC Berkeley and college campuses across the United States. TGIF takes pride in openly communicating its annual activities to the public, holding itself accountable in acknowledgement of the generosity and commitment of UC Berkeley students.

The 2011-2012 academic year was a dynamic year for The Green Initiative Fund, filled with milestones reached and major program changes. The ASUC Auxiliary, and therefore TGIF, left Business and Administrative Services and joined the Division of Student Affairs under the Dean of Students. As of August 1, 2012, TGIF is a program within the LEAD Center, a unit of the ASUC Auxiliary in the Division of Student Affairs. April 2012 marked the 5th Anniversary of the passing of ASUC Bill 61a TGIF and the establishment of TGIF at UC Berkeley, while Summer Sessions 2012 marked the fifth year of collecting student fees for TGIF grants. To mark its fifth year and meet a goal set in the 2010-2011 Annual Report, the TGIF Committee updated the TGIF bylaws to reflect the changes in the TGIF program that have occurred since its last update in 2009.

2011-2012 also marked the fifth year that the TGIF Committee awarded grant funding, which was celebrated by the awarding of the most funding to the most projects in one grant year. Twenty-two TGIF project presented posters at the 9th Annual CACS Sustainability Summit and the TGIF program was represented at multiple regional and national conferences. TGIF Coordinator Katherine Walsh was selected to serve as the 2012 Staff Co-Chair of the Chancellor's Advisory Committee on Sustainability and partnered with local non-profit Bay Area Green Tours on its 2011 Grant from the Chancellor’s Community Partnership Fund. The TGIF Committee voted in favor of adding an annual fall mini-grant program beginning fall semester 2012, to better serve interested applicants and award greater amounts of funding per year.
The 2011-2012 TGIF Grant Application Process saw an increase in quality and quantity across the board. The TGIF Committee selected 22 projects for grant awards, the most projects awarded in one grant year, and awarded a total of $308,630, the most funding awarded in one grant year, a testament to the strength and innovation of the applications. This year’s amount puts TGIF over the million dollar mark in total grant funding awarded: $1,270,101 in five years of grant awards.

TGIF also set program records for most abstracts received and most abstracts invited to submit final applications. TGIF received 25 Early Abstract Submissions and 27 Final Abstract Submissions, with seven abstract resubmissions and four abstracts choosing not to resubmit. This amounted to 45 original abstracts requesting $779,462 in funding. The Committee invited a total of 28 abstracts to submit final applications.

A final milestone met by this year’s grant awards was greatest number of student internships funded with a total of 56, well up from last year’s 32 student internships. This brings TGIF’s five year total to 157 paid student green internships.

If a year had a theme, 2012-2013 will be the year of “waste reduction” with the TGIF Committee awarding 8 waste-related projects, in line with UC Berkeley’s goal of Zero Waste by 2020. Due to the variety and quality of this year’s submissions, the TGIF Committee was able to select at least one project in each sustainability category.
TGIF is administered by the TGIF Committee and the TGIF Coordinator. The TGIF Committee is the decision-making body for The Green Initiative Fund. It chooses which projects receive money, approves changes to projects, supervises the TGIF Coordinator, and guides the general direction of TGIF. The committee's voting members include one student representative each from the ASUC, Chancellor's Advisory Committee on Sustainability, Graduate Assembly, and general undergraduate student body, and one representative each from Facilities Services, Administration, and the Faculty Senate. Non-voting members include a representative from the Committee on Student Fees, ex-officios from the Office of Sustainability and Capital Projects, an ASUC Senator, and the TGIF Coordinator.

The duties of the voting committee members are to:
1. Attend monthly committee meetings
2. Select which projects receive funding during grant review
3. Vote on issues which require committee approval, such as project adjustments
4. Provide feedback to and help support all grantees

The duties of the non-voting committee members are to:
1. Attend monthly committee meetings
2. Provide advice and background information to the committee during grant review
3. Provide feedback to the committee on issues which require committee approval, such as project adjustments
4. Provide feedback to and help support all grantees

### 2011-2012 Grant-Making Committee

<table>
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<th>Voting Members</th>
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<tr>
<td>Administration</td>
<td>Kira Stoll</td>
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<tr>
<td>Associated Students of UC Berkeley</td>
<td>Kailin Lu</td>
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<tr>
<td>Chancellor's Advisory Committee on Sustainability</td>
<td>Rachel Chang</td>
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<td>Student At-Large Representative</td>
<td>Mauricio Castillo, 2011-2012 Vice Chair</td>
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<td>Faculty</td>
<td>David Jenkins</td>
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<tr>
<td>Facilities Services</td>
<td>Lin King</td>
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<tr>
<td>Graduate Assembly</td>
<td>Autumn Petros-Good, 2011-2012 Chair</td>
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<tr>
<td><strong>Non-Voting Members</strong></td>
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<tr>
<td>Committee on Student Fees</td>
<td>Deanna Alwafai</td>
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<tr>
<td>Ex-Officio- Capital Projects</td>
<td>Judy Chess</td>
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<tr>
<td>Ex-Officio- Office of Sustainability</td>
<td>Lisa McNeilly</td>
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<tr>
<td>TGIF Coordinator</td>
<td>Katherine Walsh</td>
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To assist potential applicants with the TGIF grant process, the TGIF Coordinator holds abstract submission trainings for the campus community and application submission trainings for invited final grant applicants. During these trainings, the TGIF Coordinator reviews the abstract or application requirements, any additional required documentation, and the timeline for the selection process. The submission trainings are all optional. For 2011-2012, twenty-one potential applicants attended the abstract submission trainings and thirteen invited applicants attended the application submission trainings.

TGIF requires the project leaders of all winning grant applications to attend a mandatory project leader training and sign a TGIF contract. No funds are transferred to a project until a project leader has attended a training and signed a contract. During these trainings, the TGIF Coordinator reviews all grant expectations and requirements, including project implementation, education and outreach plans, project updates, project posters, and final reports.
2012 TGIF Grant Awards

**Berkeley Student Food Collective- Expand In-House Food Prep**
*Project Leads:* Ilana Nevins, Kate Kaplan, Carli Baker  
*Sponsor:* Berkeley Student Food Collective  
*TGIF Grant:* $2,560  
*Project Theme:* Food Justice & Sustainability  
*Project Description:* This grant will be used by the BSFC expand its in-house food prep as a part of its larger mission to increase the Berkeley campus and community’s access to sustainable foods. Based on a spring 2012 customer survey, 57% of customers visited the BSFC during lunch hours and 55% of these customers chose the prepared Food Collective Sandwich as their favorite store item. Over 50% of the total customers surveyed specifically requested that additional prepared grab-n-go items be made available in the store.

**“Break the Mode”: Alternative Transport Marketing & Outreach Program**
*Project Leads:* William Riggs, Seamus Wilmot, Jennifer McDougall  
*Sponsor:* Capital Projects, Physical & Environmental Planning, Parking & Transportation  
*TGIF Grant:* $7,000  
*Project Theme:* Transportation  
*Project Description:* Funding will be used for interns charged with conducting a transportation survey and creating a marketing and outreach program to assist commuters with switching to alternate modes of transportation.

**Cal Dining Sustainability Team**
*Project Leads:* Jenna Kingkade, Michael Laux, Monica Harnoto, Josh Hubert, Nicholas Lam, Nicole Won  
*Sponsor:* Cal Dining  
*TGIF Grant:* $8,243  
*Project Theme:* Food Justice & Sustainability  
*Project Description:* This grant will fund four sustainability interns for Cal Dining. Interns assist Cal Dining with greening their food operations and educating customers about sustainability. Cal Dining Sustainability Team will also lead the Food Day 2012 TGIF Grant.

**CITRIS Sustainability Champion Awards for Undergraduates**
*Project Leads:* Jason Trager, Paul Wright  
*Sponsor:* CITRIS  
*TGIF Grant:* $20,060  
*Project Theme:* Education & Behavior Change  
*Project Description:* This grant will fund five student internships during summer 2013. Interns will be mentored by graduate students and partnered with environmentally-related companies to complete hybrid research-job training internships.
Compost Alliance- Institutionalizing In-House Composting at Cal
Project Leads: Annie Gorden, Anna Szendrenyi, Lin King
Sponsors: Compost Alliance, Campus Recycling & Refuse Services
TGIF Grant: $40,270
Project Theme: Waste Reduction
Project Description: This grant will assist Compost Alliance in continuing compost implementation within campus buildings in order to reach "critical mass" and support their work with campus officials on institutionalizing composting as an in-house operation.

EcoMovie Nights
Project Leads: Judy Li, April Jauhal, Natalie Sanchez, Jun Li Yian
Sponsor: ASUC Sustainability Team (STeam)
TGIF Grant: $2,420
Project Theme: Education & Behavior Change
Project Description: This grant will fund a monthly environmental documentary series that engages, educates, and inspires the Cal community to get involved with environmental campaigns. Films will be selected based on a monthly theme and screening will be followed by theme-centered discussions, facilitated by experts or relevant student groups.

Food Day 2012
Project Lead: Mike Laux, Renee’ Simpson, and the Cal Dining Sustainability Team
Sponsor: Cal Dining
TGIF Grant: $3,875
Project Theme: Food Justice & Sustainability
Project Description: This grant will fund a student time and materials for a UC Berkeley celebration of Food Day 2012. Cal Dining Sustainability Team will work with campus eateries and student groups on continuing Food Day ideals year-round in collaboration with the Nutrition & Physical Activity Workgroup and Sustainable Food Service Workgroup.

Getting to Zero Waste: Waste Audits
Project Leads: Lin King, Julie Brown
Sponsor: Campus Recycling and Refuse Services
TGIF Grant: $17,424
Project Theme: Waste Reduction
Project Description: Funding will allow CRRS to standardize and perform week-long waste audits in collaboration with student interns, providing required campus metrics for UC Berkeley's zero waste plans.

Green Garden Intern at UC Botanical Garden
Project Leads: Chris Carmichael, Anthony Garza
Sponsor: UC Botanical Garden
TGIF Grant: $3,840
Project Theme: Habitat Restoration
Project Description: This grant will fund a student intern to take a lead in the Integrated Pest Management program and to work with horticultural staff and the compost tea intern to refine and define UCBG's organic fertility regimens.

Greening the Berkeley Science Review
Project Lead: Sebastien Lounis, Anna Schneider, Ally Berke
Sponsor: Berkeley Science Review
TGIF Grant: $1,152
Project Theme: Waste Reduction
Project Description: The BSR will use the TGIF grant to reduce the environmental impact of the magazine and demonstrate leadership in sustainability amongst student publications. The BSR will run a workshop to share general green printing practices and BSR's grant results with the other 40+ ASUC publications and possibly develop a unified plan for the sustainable printing of all student publications.

Installation of Water Bottle Refill Stations and Fountain Retrofits
Project Lead: Trish Ratto
Sponsor: Health*Matters, University Health Services
TGIF Grant: $25,000
Project Theme: Water Conservation & Tap Water
Project Description: Funding will be used to install three bottle refill stations and sixteen bottle filler retrofits.

Learning and LEEDing at Cal
Project Leads: Tanya Vashchenko, Judy Chess
Sponsor: Building Sustainability at Cal (BS@C)
TGIF Grant: $14,800
Project Theme: Energy Conservation & Efficiency
Project Description: This grant will fund three student interns and expand the BS@C LEED Intern Program to offer project LEED certification services for campus renovation projects currently below the threshold required by the Campus Policy on Sustainable Practices.

Minimizing Hazardous Waste through Chemical Exchange
Project Leads: Kelley Etherington & Pat Goff
Sponsor: Environment, Health & Safety
TGIF Grant: $4,200
Project Theme: Waste Reduction
Project Description: This grant will fund a student intern charged with creating an online chemical exchange program to reduce the quantity of chemicals purchased by UC Berkeley, reduce the amount of hazardous materials in storage, and reduce hazardous waste disposal and associated costs.
**Nature Village: Sustainable Family Living at UC Berkeley**

**Project Leads:** Lludmila Moran, Tavie Tipton  
**Sponsor:** The University Village Office  
**TGIF Grant:** $16,861  
**Project Theme:** Education & Behavior Change  
**Project Description:** This grant will fund supplies and student internships to create waste, energy & water, and education & outreach programs at University Village, to promote sustainability and resource conservation amongst the residents.

**Recycling on Campus Tennis Courts**

**Project Lead:** Annie Goransson  
**Sponsors:** Cal Athletics & Campus Recycling and Refuse Services  
**TGIF Grant:** $1,386  
**Project Theme:** Waste Reduction  
**Project Description:** Funds will be used to purchase outdoor recycling bins for 21 campus tennis courts and to implement education, outreach, and donation programs for recycling and reuse of tennis equipment.

**Strawberry Creek Planting - Filling the Weed-Shaped Hole**

**Project Leads:** Lauren Hallett, Dr. Katherine Suding  
**Sponsor:** Suding Lab  
**TGIF Grant:** $16,232  
**Project Theme:** Habitat Restoration  
**Project Description:** This grant will fund five student internships and the supplies needed for identifying and planting native species that can resist re-invasion by ivy and still realize the other essential ecosystem services desired by the campus community.

**Strawberry Creek Student Restoration Leadership Program, Phase II**

**Project Leads:** Tim Pine, Carolyn Orson  
**Sponsor:** Environment, Health & Safety, Strawberry Creek Program  
**TGIF Grant:** $18,082  
**Project Theme:** Habitat Restoration  
**Project Description:** Funding will expand the Strawberry Creek Student Restoration Leadership Program, which will incorporate environmental education outreach, student/community member skill development, and water quality monitoring to prevent pollution of Strawberry Creek and foster environmental stewardship.

**Student Sustainability Resource Center**

**Project Leads:** Nolan Pack, Mauricio Castillo, Noah Puni  
**Sponsor:** ASUC  
**TGIF Grant:** $12,000
**Project Theme:** Education & Behavior Change  
**Project Description:** This grant will initiate the establishment of a permanent Student Sustainability Resource Center by funding five implementation & planning interns and a workshop for setting objectives and plans.

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**Waste Not, Want Not: Zero Waste Events at Cal**  
**Project Leads:** Julie Brown, Lin King, Mike Laux  
**Sponsor:** Campus Recycling and Refuse Services, Cal Dining  
**TGIF Grant:** $6,475  
**Project Theme:** Waste Reduction

**Project Description:** This grant will increase campus efforts to hold zero waste events by supporting Cal Dining, hiring a student intern, funding medium-sized zero waste campus events, and collaborating with the Office of Sustainability's Green Event Certification program.

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**Water Conservation in the Greek Community**  
**Project Leads:** Patrick Smith, Marissa Vessels, Kristen Klein  
**Sponsor:** Greening the Greeks  
**TGIF Grant:** $29,250  
**Project Theme:** Water Conservation & Tap Water  
**Project Description:** This grant will fund a water conservation competition amongst the fraternities and sororities, the installation of water conservation retrofits & appliances, and an education & outreach program.

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**Wurster Hall Waste Management**  
**Project Lead:** Eli Perszyk  
**Sponsor:** College of Environmental Design, Facilities Services  
**TGIF Grant:** $38,400  
**Project Theme:** Waste Reduction  
**Project Description:** Funding will be used to pilot an indoor recycling program with standardized bins, signage, and education to then be implemented campus-wide, pending results.

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**Zero Waste Research Center & Plastic Disclosure Project**  
**Project Leads:** Kimberly Lam, Liz Chan, Lin King, Julie Brown  
**Sponsor:** Campus Recycling and Refuse Services  
**TGIF Grant:** $19,100  
**Project Theme:** Waste Reduction  
**Project Description:** This grant will fund five student interns charged with running a Zero Waste Research Center and Plastic Disclosure Project to address the issues surrounding upstream waste that currently prevent UC Berkeley from attaining its zero waste goal. The purpose of the project is to create a strategic long-term plan to reduce unnecessary plastic use, encourage more efficient plastic use, and build strategic partnerships on campus.
Project Statuses as of June 30, 2012

36 Completed Projects (see chart below)
- 2011 Grant Awards- eight projects
- 2010 Grant Awards- eleven projects
- 2009 Grant Awards- six projects
- 2008 Grant Awards- eleven projects

35 Projects Continuing Projects
- 2012 Grant Awards - twenty-two projects
- 2011 Grant Awards - seven projects
- 2010 Grant Awards – three projects
- 2009 Grant Awards - two projects
- 2008 Grant Awards - one project

3 Discontinued projects
- 2009 Grant Awards - two projects
- 2008 Grant Awards - one project

Completed Projects as of June 30, 2012, Listed by Year of Completion

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<tr>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
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<tr>
<td>Building Sustainability at Cal</td>
<td>2010 Bike to Work Day Regional Sponsorship</td>
<td>Berkeley Student Food Collective Storefront</td>
<td>Campus Bicycle Initiative-BicyCAL portion</td>
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<tr>
<td>Earth Week 2009</td>
<td>CLAS Carbon Smart and LEED-EB Certification Project</td>
<td>BicyCAL</td>
<td>Compost Alliance: Phase I</td>
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<td>Healthy You for a Healthy Universe</td>
<td>Earth Week 2010</td>
<td>Custodial Staff Outreach</td>
<td>Earth Week 2012</td>
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<td>Lower Sproul Plaza Redevelopment Eco-Charette</td>
<td>No More Down the Drain</td>
<td>Earth Week 2011</td>
<td>End the Cycle</td>
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<tr>
<td>Student Internships for Jump-Starting the Office of Sustainability</td>
<td>Anthony Hall Window Replacement and LEED-EB Certification</td>
<td>Hydration Station Installation and Design Guidelines for Existing Buildings</td>
<td>Fight the Flow</td>
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<tr>
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<td>Discontinued</td>
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<tr>
<td></td>
<td>Wurster Hall Composting Project</td>
<td>I Heart Tap Water</td>
<td>Green Cup Competition- will run a 2nd round Fall 2012 with remaining funds</td>
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<tr>
<td></td>
<td>Discontinued</td>
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1 Although we count Earth Week as one project funded in 2008, we consider it as five separate projects for the sake of “Completed Projects” and “Continuing Projects”. Earth Weeks 2009, 2010, 2011, and 2012 are completed and Earth Week 2013 is continuing.
Projects Completed during 2011-2012

**BicyCAL (part of Campus Bicycle Initiative below)**

**Project Leads:** Austin Andrews & Chris McDermut  
**Sponsors:** Campus Bicycle Committee & BicyCAL  
**TGIF Grant:** $27,825 ($10,900 to BicyCAL and $16,925 to Campus Bicycle Committee)

**Project Theme:** Transportation  
**Project Description:** Campus Bicycle Initiative will support the expansion of BicyCAL’s mechanical and educational services.

**2011-2012 Accomplishments**

- Expanded open shops days from 3 days a week to 5 days a week, M-F, fifteen hours/wk.  
- Helped 288 bike riders with bicycle repairs.  
- Completed the following services for customers: trued wheels, adjusted brakes, raised seats, indexed derailleurs, tightened loose bottom brackets, and helped a customer build an entire bike from scratch.  
- Received donations from Clif Bar Foundation’s 2-Mile Challenge in the form of a new pump, a new tool set, a truing stand, polylube, and Clif Bar seat covers to keep cyclist’s seats dry when it rains, a donation value of about $1200.  
- Collaborated with the East Bay Bicycle Coalition, the Campus Bicycle Initiative, Bike to Work Day, Clif Bar.  
- Held free bicycle repair presentations and workshops twice a month on a Wednesday evening at the shop.

*2012 Project Poster*  
*Project Photos*
**Spring 2012 Metrics**

**Final Report**

**Next Steps:** BicyCAL will be facilitating a bicycle repair DeCAL in fall 2012 and plan to continue its workshop series in 2012-2013. BicyCAL will also be working with the Lower Sproul Redevelopment plans on evaluating the future of the BicyCAL shop in Lower Sproul.

**Campus Bicycle Initiative** *(BicyCAL portion completed; CBI will use its remaining funds to continue in 2012-2013.)*

**Project Leads:** Ginger Jui & Stacy Jackson

**Sponsors:** Campus Bicycle Committee & BicyCAL

**TGIF Grant:** $27,825 ($10,900 to BicyCAL and $16,925 to Campus Bicycle Committee)

**Project Theme:** Transportation

**Project Description:** Campus Bicycle Initiative will promote bicycling as a sustainable mode of transportation and educate the campus about safe bicycling habits through campus events and bicycling workshops.

**2011-2012 Accomplishments**

- CBI held the first ever Campus Bike Day at UC Berkeley on September 9, 2011. The event included morning Bike to Work Day style Energizer Stations placed at 3 locations around campus, a free raffle, and an afternoon celebration on Lower Sproul Plaza. An estimated 500 people participated in Campus Bike Day.
- CBI effectively recruited a large roster of volunteers for Campus Bike Day and hired an Education and Outreach intern.
- A 400+ member Campus Bike Initiative mailing list was created as a result of the raffle tickets and mailing list signups on Campus Bike Day.
- CBI gave a much-needed new bicycle to raffle winner Georgia Dong, a Doe library staff member.
- CBI held a series of 6 cycling workshops (Cycling for Parents, Cycling in the Rain, Women on the Move, Road Skills Part II, Tips for your Bike Commute, Team Bike Challenge – Meet-up) throughout the fall and spring semesters. The cumulative workshop attendance was 20 individuals.
- The major sustainability impact of this project was motivating and supporting existing campus cyclists such as workshop participant Heidi, who increased the number of days cycled to 3-4 times a week. If CBI assumes that all 20 cycling workshop attendees were equally motivated to add just 1 extra cycling day to their weekly commute (assuming average 5 mile roundtrip and 22.6 mpg vehicle efficiency) for 1 year, this translates into a gasoline savings of 212.4 gallons, and a reduction of 1852 kg of CO2 emissions, according to 2011 CalCAP metrics. If CBI assume that all 400 members of the Campus Bicycle Initiative biked a single extra day a month to campus as a result of our efforts, just under 10,000 kg of CO2 emissions have been avoided.
- CBI worked with Little Green Book to include cycling education within LGB’s materials for first years.
Budget Summary

Year-End Report

Next Steps: The Campus Bike Initiative is currently working to recruit project leaders for the 2012-2013 academic year to organize the 2nd Annual Campus Bike Day and has created the Campus Bike Day Event Planning Guide to assist the future CBI Leaders. CBI also plans to continue the cycling workshop series.

Compost Alliance
Project Leads: Claire Evans & Annie Gorden
Sponsor: Compost Alliance
TGIF Grant: $32,000
Project Theme: Waste Reduction
Project Description: The Compost Alliance will design and implement a campus building composting system in collaboration with Physical Plant-Campus Services, which oversees both Custodial Services and Campus Recycling & Refuse Services. This system will be piloted in 10 campus buildings and include service, set-up, equipment, and educational outreach.

2011-2012 Accomplishments
- Facilitated and participated in Berkeley Composters meetings, held twice per semester. Installed composting and promoted waste reduction, recycling, and composting education in the following campus buildings:
  - A&E, Barrows, Boalt, California Hall, Eshleman, Goldman School of Public Policy, Haas, Li Ka Shing, McLaughlin, Mulford, Richmond Field Station, Sproul, Stanley, University Hall, Wurster.
- Served as an educational resource for Cory, Durant, Sutardja Dai Halls, and International House (all buildings where composting was already well established).
- Collaborated with interns from Campus Recycling & Refuse Services on education and outreach efforts, including the design of standardized campus signage.
- Estimated that more than 18 tons of waste has been diverted from disposal in the landfills, and that 2,336 kilograms (kg) of CO₂E have been diverted from releasing into the atmosphere.
- Compost Alliance received a 2012 TGIF grant to continue its efforts of institutionalizing compost within UC Berkeley campus buildings.

Project Photos and Standardized Signage
2012 Project Poster
2011-2012 Year-End Report

Earth Week 2012
Project Leads: Monica Barin, Meredith Jacobson, & STeam
Sponsor: ASUC Sustainability Team
TGIF Grant: $10,000; $2,000 each year for 5 years
Project Theme: Education & Behavior Change
Project Description: Earth Week will be held each year at UC Berkeley during the week of Earth Day, April 22nd. STeam will plan a week to unite faculty, staff, students, Bay Area organizations,
and other environmentally conscious groups and individuals in environmental education, inspiring activism, encouraging changes in habits, and promoting environmentalism.

2011-2012 Accomplishments

- Created a **week-long schedule of events**, including an Earth Week Kick-Off concert featuring **Big Tree**, the "Do One Thing" Pledge, a Strawberry Creek Restoration event, a screening of Bananas, and an Environmental Major panel.
- Created a [YouTube Video](#).
- Created a [Facebook page](#) that reached over 9,000 people at its peak.
- Created an Earth Week [website](#).
- Partnered with 13 different on-campus and off-campus groups during the week's events.
- Received sponsorship in the form of funding and sustainable prizes from 19 different sponsors.
- Gave away over 50 Klean Kanteens as part of a Take Back the Tap educational campaign.

2012 Earth Week photos

2012 Final Report

**Next Steps:** The 2012 Coordinators created a [helpful planning guide](#) for future Cal Earth Week Coordinators. Earth Week's 2008 TGIF grant will also cover Earth Week 2013.

**End the Cycle- Sustainable Laundry Campaign**

**Project Leads:** Kimberly Lam & Morwenna Rowe  
**Sponsors:** PowerSave Green Campus & Residential Student Services Program (RSSP)  
**TGIF Grant:** $3,100  
**Project Theme:** Water Conservation & Tap Water  
**Project Description:** PowerSave Green Campus, a student-run internship program that works to increase campus sustainability by bridging the gap between students and institutional energy costs, will create an educational sustainable laundry campaign for students living in UC Berkeley residence halls and Family Student Housing. The Laundry Campaign will educate students about how they can reduce their carbon and water footprints by altering their laundry habits.

**2011-2012 Accomplishments**

- Installation of Laundry Tip Stickers and Posters

<table>
<thead>
<tr>
<th>Completed</th>
<th>Posters</th>
<th>Stickers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 1</td>
<td>14</td>
<td>36</td>
</tr>
<tr>
<td>Unit 2</td>
<td>14</td>
<td>36</td>
</tr>
<tr>
<td>Unit 3</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td>Foothill, Stern, Bowles</td>
<td>6</td>
<td>30</td>
</tr>
<tr>
<td>Clark Kerr</td>
<td>8</td>
<td>23</td>
</tr>
</tbody>
</table>
University Village | 28 | 139
Smyth-Fernwald | 4 | 13
Other Graduate Housing | 7 | 23
International House | 3 | 10
Sororities & Fraternities | 12 | 24
TOTAL | 101 | 352

- PowerSave Green Campus intern Felicia Tan designed the new static-cling stickers and laundry tips posters. The static-cling stickers were produced by Maverick Labels under-budget, and the 18x24" laminated Laundry Tips posters were printed and bike-delivered by the local and green printing company Inkworks.
- WASH Laundry generously donated raffle prizes for pre- and post-implementation survey participants at University Village, including four $25 laundry credit gift cards and an iPod Nano.
- Vaska, an environmentally-sound laundry detergent company based in Berkeley, donated over 300 cold-water detergent samples and 10 full-size laundry and household cleaning products, which helped entice more survey participants.
- PSGC interns tabled in the dining halls and in the residence halls during Blackout Battles.
- Having already translated the online surveys into Spanish in 2010, the project leaders worked with a small team of residents in University Village to translate the surveys into Chinese and Korean.
- PSGC interns collected 813 completed surveys before and after the project implementation for calculating project metrics.
- Based on pre- and post-implementation surveys, most residents in the traditional residence halls, as well as in the graduate and family housing, were aware of the Sustainable Laundry Tips posters and washing machine static-cling stickers. An average of 66% of respondents considered changing their laundry habits after seeing the Sustainable Laundry Campaign (See Final Report for survey data).
- The following savings are based on data and calculations that can be found in the Final Report:

<table>
<thead>
<tr>
<th>Annual Projected Savings</th>
<th>Residence Halls</th>
<th>Family Housing</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therm</td>
<td>540</td>
<td>425.8</td>
<td>965.8</td>
</tr>
<tr>
<td>kWh</td>
<td>768.76</td>
<td>1,216.13</td>
<td>1,984.89</td>
</tr>
<tr>
<td>$ Saved</td>
<td>624</td>
<td>558.35</td>
<td>$1,182</td>
</tr>
<tr>
<td>CO2 (lbs) Avoided</td>
<td>7,672.74</td>
<td>5,361.80</td>
<td>13,034.54</td>
</tr>
</tbody>
</table>

2012 Project Photos
2012 Project Poster
Final Report
Next Steps: End the Cycle will transfer the remaining funds to Nature Village: Sustainable Family Living in order to pilot a drying rack program for Village residents. If the drying racks are donated, the funds will be transferred to Fight the Flow for the installation of UZLOW shower valves in University Village residences.

**Fight the Flow**

Project Leads: Maia Kapur & Morwenna Rowe  
Sponsor: PowerSave Green Campus  
TGIF Grant: $3,696  
Project Theme: Water Conservation & Tap Water  
Project Description: Fight the Flow will install **UZLOW shower valves** and educational signage in Unit 3’s bathrooms to reduce the consumption of water. Give-aways of organic shampoos & soaps, and shower timers will also occur.

**2011-2012 Accomplishments**

- Project leader Maia Kapur won a $500 2011 PLAYgreen grant for FTF and was interviewed for a PLAYgreen video.
- Location of shower valve installation was changed from Unit 3 to Unit 1 halls Christian and Slottman. Valves were successfully installed.
- FTF team created **educational posters** for the halls and bathrooms. The posters the potential savings of using the UZLOW valve, how they work, and water conservation tips.
- FTF team conducted a pre-survey in the buildings to establish a baseline of current shower habits. Two survey-takers won Amazon gift-cards for their participation.
- About 180 students responded to the survey. It is assumed the educational posters reached about 120 additional residents.
- According to our post-implementation survey, 100% of students in the target residence halls (Christian and Slottman – about 550 residents) had valves installed in their suite showers (112 valves in all). Of those, 82% (about 455 Residents) used the valves at least 20% of the time, even though not every resident saw the educational poster.

The calculations below are made with the assumptions that residents used the valve for 60% of shower time and apply only to a 3 month period of valve use.

<table>
<thead>
<tr>
<th>% of people that use the valve</th>
<th>Number of people</th>
<th>Gallons Saved/Shower</th>
<th>Gallons Saved/Day</th>
<th>Total Gallons Saved over 3 mos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>82%</td>
<td>455</td>
<td>5.9</td>
<td>2684.5</td>
<td>135,298</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Therms Avoided</th>
<th>Lbs. CO2 Avoided</th>
<th>$ Savings from Therms Avoided</th>
<th>$ Savings from Gallons Saved</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>7,279</td>
<td>$541</td>
<td>$541.19</td>
</tr>
</tbody>
</table>

2012 Project Poster

Final Report

Next Steps: Fight the Flow will use the remaining funds to install UZLOW shower valves in Unit 2, University Village, and Ida Louise Jackson Graduate Housing.
**Green Cup Competition**

**Project Leads:** Charles Dhong, Anton Walker, Sara Seacat, Manon von Kaenel, Kelley Doyle, Patrick Smith

**Sponsor:** PowerSave Green Campus and Greening the Greeks

**TGIF Grant:** $8,740

**Project Theme:** Energy Conservation & Efficiency

**Project Description:** Implement an energy competition between Greek Houses within the Cal Greek Community as a way to complete small scale retrofits and reinforce & promote sustainable behaviors within the Greek system.

**2011-2012 Accomplishments**

- 18 fraternities and sororities competed in the Green Cup competition. Green Campus and Greening the Greeks educated sustainability chairs in each house on energy saving procedures. Chairs then motivated members of their houses to save energy and compete with fellow fraternities and sororities.
- Houses were offered $200 sustainability retrofit budgets. 4 houses took advantage of these retrofits.
- Green Cup leaders created baseline calculations for energy consumption based on the house’s previous energy bills for the same two months.
- 29,221.17 kWh of electricity and 667.33 Therms of natural gas were saved.
- The winning house was Fiji fraternity which saved 63.47% energy over their original baseline, followed by KA fraternity which received an honorable mention for 61.52% energy savings.
- Green Cup presented at the [2012 Green Campus Energy Efficiency Summit](#).
- Green Cup was awarded "Best Student Energy Efficiency Program" at the California Higher Education Sustainability Conference (CHESC). View Green Cup’s Best Practices presentation [here](#).

**2012 Project Poster**

**2012 Year-End Report**

**Next Steps:** The Green Cup Team managed to save $4,932 from the TGIF grant, allowing the team to run a second competition in Fall 2012. The Green Cup Team will continue to collaborate with Greening the Greeks and be more proactive in assisting houses with their sustainability retrofits so that more Houses will take advantage of the available retrofit budgets.

**Greening Kroeber Art Studios & Bathrooms**

**Project Leads:** Joanna Young & Robert Lewis

**Sponsor:** Practice of Art Department, Kroeber Hall

**TGIF Grant:** $5,000

**Project Theme:** Education & Behavior Change

**Project Description:** This project will design a marketing and education campaign to help occupants of Kroeber Hall, home to the Practice of Art Department, develop sustainability behaviors. The campaign will include the design and posting of monthly educational signage on various sustainability topics, as well as permanent signage reminding occupants to turn out the lights when leaving rooms.
lights and not put toxic art materials down the drains. Posters and signage will target Kroeber's art studios and bathrooms.

2011-2012 Accomplishments

- Greening Kroeber designed and printed posters and postcards for the following sustainability themes:
  1. Campus Sustainability
  2. Energy
  3. Water
  4. Waste
  5. Purchasing Art supplies
  6. Purchasing & Reusing
- Project leaders collaborated with art professors and surveyed art classes within Kroeber Hall about sustainable art practices and behaviors related to energy, water, and waste
- All original files of the posters and postcard are available on the website.
- Six posters were posted in Kroeber Hall throughout the school year.
  - Four of the posters were posted in all Cal Dining residence dining facilities beginning Earth Week till the end of the school year.
- UC Berkeley student group PowerSave Green Campus plans to utilize both the energy and water poster for future outreach materials.
- Postcards attached with miniature chocolates were passed out at the end of the fall semester during finals week and during Valentine's Day of the spring semester
- All photographs are available on the Facebook page.
- Eight permanent signs were placed in various art studios and on the Mezzanine level to raise awareness about toxics in art and down sinks.

Greening Kroeber Sustainable Posters
Greening Kroeber Marketing & Outreach
2012 Project Poster
Final Report

Next Steps: The out-going project leader will create a one-page guide to sustainability in Kroeber Hall (a consolidated version of all the sustainability board updates) and simple sticker signage for leaky faucets and toilets, which was shown to be a significant issue in the survey results.

I Heart Tap Water Campaign
Project Leads: Cathy Kodoma, Trish Ratto, Kim LaPean, Mariah Gonzalez
Sponsor: University Health Services
TGIF Grant: $4,500
Project Theme: Water Conservation & Tap Water
Project Description: The I Heart Tap Water Campaign will promote the drinking of tap water by building awareness with a public information campaign, supporting and increasing the accessibility to tap water on campus, and distributing reusable water bottles. It will collaborate with the TGIF sponsored Hydration Station Installation projects.
2011-2012 Accomplishments
The I Heart Tap Water Campaign was awarded an additional $2,000 for an intern to continue the campaign. Please read the following reports for detailed accomplishments:

- 2011-2012 Mid-Year Report
- 2011-2012 Final Report

Installation of Hydration Stations
Project Lead: Trish Ratto
Sponsor: University Health Services
TGIF Grant: $27,000
Project Theme: Water Conservation & Tap Water
Project Description: Install 4-5 hydration stations on campus per the Hydration Station Design Guidelines. Locations identified include Evans, Stanley, Boalt and University Hall.

2011-2012 Accomplishments
- Hydration Stations were installed in Evans, Stanley, Boalt, University, and Barrows Halls.
- The I Heart Tap Water Google Map was updated with the new hydration station locations and descriptions.
- Nutritional Sciences 166 class surveyed about 800 students about tap water, the use of refillable containers, knowledge about the campus hydration stations, and use of the stations. View a summary of the survey results. NST 166 also surveyed campus water fountains to determine where hydration stations and retrofits could be installed. As a result of the surveys, students in NST 166 created a presentation of their findings and recommendations.
- New filters were purchased for the Elkay hydration station models.

Mercury Vapor Detection Equipment
Project Lead: Brandon DeFrancisci
Sponsor: Environment, Health & Safety
TGIF Grant: $4,497
Project Theme: Waste Reduction
Project Description: Purchase the MVI Mercury Detector which will provide more accuracy than the current technology for mercury vapor detection post mercury spill. It will also be used to take readings of mercury levels in air during construction related demolition work in laboratory buildings. EH&S is covering half the cost of the equipment.

2011-2012 Accomplishments
- The grant award from this project allowed EH&S to purchase an improved, more sensitive mercury detector with real-time reading capabilities.
- The detector allowed EH&S to measure levels with greater sensitivity than its other instruments and provides more accurate exposure levels to the staff and medical professionals assessing exposure concerns.
• UC Berkeley School of Public Health interns were able to use the equipment in their work and the faculty member who runs the Industrial Hygiene Laboratory class was notified of the instrument’s availability for all students.
• The 2011-12 EH&S-School of Public Health intern became very well versed in proper use of the instrument after taking several hundred readings during the aforementioned exposure assessment. The intern then provided instrument training to EH&S staff.

2012 Project Poster
Final Report

Strawberry Creek Native Plant Nursery & Garden
Project Leads: Sintana Vergara, Ben Runkle, Tim Pine, & Karl Hans
Sponsors: Engineers for a Sustainable World-Berkeley and Office of Environment, Health & Safety
Project Theme: Habitat Restoration
Project Description: The project team will design and construct a native plant nursery and garden between Giannini Hall and Wellman Court in order to support the restoration of Strawberry Creek. The project plans will include an outdoor nursery of seedlings, a demonstration garden of native plants, and signage illustrating plant species and nursery education for community members.

2011-2012 Accomplishments
The nursery construction was completed in Spring 2011, and plant production/out-planting has been quite successful since the nursery opening. The demonstration garden has also been installed as an educational and recreational spot next to the nursery.
• Accomplished and on-going goals include: maintaining a seed stock for restoring the creek’s riparian zone with native plants, preserving species endemic to Strawberry Creek, whose existence are threatened by the spreading of invasive species, providing ecosystem services to the campus landscape, and serving as an effective site for environmental education.
• Cal Student Restoration Leaders taught a DeCAL and hosted many classes, clubs and day camps such as Berkeley High School classes and Kids for the Bay summer camp sessions at the nursery. An estimated 100 students per semester utilized the nursery and garden as a classroom.
Next Steps: The Nursery is presently being used by ESPM graduate and undergrad students as part of the 2012 TGIF Grant Strawberry Creek Planting: Filling the Weed-Shaped Hole, studying the characteristics of native and non-native vegetation and the suitability of these plants for use in local habitat restoration. This year’s production of 600 seedlings was saved for the 2012-2013 rainy season due to the extremely dry December & January 2011-2012.
Sustainability Map Project

Project Leads: Brooks Dougherty, Brendan Cronshaw, Al Vera
Sponsor: Building Sustainability at Cal and Capital Projects
TGIF Grant: $3,000
Project Theme: Education & Behavior Change
Project Description: The Sustainability Map project will create an interactive web-based campus sustainability map for UC Berkeley.

2011-2012 Accomplishments
- Map goes live: Click here to view the UC Berkeley Sustainability Map! Click on and off the different layers to see features such as bike racks, composting, and green buildings.
- Intern Brendan Cronshaw acquired work space in Al Vestra's office in order to streamline the collaborative working process and avoid having to pay for lab access in Wurster Hall.
- The project leaders worked with Building Sustainability @ Cal, TGIF, and the Office of Sustainability to promote and market the map to students.
- The project leaders also worked with contracted company Vestra on simplifying map data, updating map features, and troubleshooting.

2012 Project Poster

Next Steps: Continue to develop, edit, refine, and market the map and hire a new intern from the Landscape Architecture or Geography departments to continue the project with Al Vera of Capital Projects. The end goal is to create an interactive map, similar in look to Google Maps.

UC Berkeley 2011 Energy Symposium

Project Leads: Martin Kemeny, Andrew Hamilton, Darren Woulfe, Alex Luce
Sponsor: Berkeley Energy and Resources Collaborative (BERC)
TGIF Grant: $5,000
Project Theme: Education & Behavior Change
Project Description: This project will provide funding for green event assistance for the 2011 BERC Energy Symposium, to be held October 21, 2011 at UC Berkeley's MLK Jr. Student Union Building. The symposium brings together students, faculty, staff, and off-campus professional to discuss energy and sustainability related issues.

2011-2012 Accomplishments
- BERC used part of the grant to purchase two badge printers for saving paper and ink by only printing badges for those who showed-up at the event. These two printers will allow BERC to print badges as needed at future events rather than order nametags. BERC hosts over 30 events per year and presumably the printers will have sustainability and cost benefits in the coming years.
The Symposium itself was as close as possible to carbon neutral – catering used reusable dishware, programs were printed on recycled cardstock, compost bins and recycling bin were provided, and all food material was composted or brought to a shelter.

The two-day Symposium and Expo was sold out, with 800 attendees, including an estimated 250 VIP and Media attendees.

Over 80 projects presented posters during the poster session.

BERC made an estimated $14,000 in profit to be used for future BERC events and programs, including the 2012 Energy Symposium and Innovation Expo.

**Event Photos from BERC**

**Project Photos**

**2012 Project Poster**

**Outreach Summary**

**Final Report**

**UC Campus Dashboard**

**Project Leads:** Sam Borgeson & Omar Khan

**Sponsor:** Berkeley Institute of the Environment

**TGIF Grant:** $76,750

**Project Theme:** Energy Conservation & Efficiency

**Project Description:** This project will develop a centralized database and website that aggregates a common and consistent set of resource consumption data (i.e. electricity, water, steam) for the UC Berkeley campus that will be easily accessible for those interested in using or viewing the data. This data can be used to make recommendations for improving efficiency of the campus consumption of these resources. The data will be updated and hosted through a web-based building dashboard.

**2011-2012 Accomplishments**

- 15 minute interval building electricity, water, and steam data with daily updates for 40+ campus building along with several types of visualization and display for each building have been available through the Dashboard website since late 2008. This system has been now been followed by the Berkeley Campus Energy Portal and the official myPower website.

- The project leaders installed a real time electricity and water touch screen kiosk and custom information display in the lobby of Wurster Hall deployed with the collaboration and blessing of the dean of the College of Environmental Design.

- Project leaders also installed a real time sub-metered visualization of energy use in the FSM café based on current readings of 24 circuits in the main circuit panel for the café. This display takes the form of a multi-colored string of LED lights and is an example of an architecturally integrated ambient display of energy data.

- An educational video game with a power consumption quiz and real metered energy generation was installed in the Banatao Institute Museum.

**2012 Project Poster**

**Final Report**
University Hall: Going Green! LEED Certification

Project Leads: Rebecca Anderson & Ian Baldridge
Sponsor: Environment, Health & Safety
TGIF Grant: $10,000
Project Theme: Education & Behavior Change

Project Description: Occupants of University Hall will undertake a series of sustainability initiatives with gaining LEED EB certification as the end goal. This project will apply for points in "Energy & Atmosphere: optimize energy performance", "Materials & Resources: solid waste management", "Indoor Environmental Quality: entryway systems", and "Innovation in Operations: communication, education". The project will replace inefficient appliances, implement a composting system, install window film, and host sustainable coffee hours for staff and students in University Hall.

2011-2012 Accomplishments

- A student intern was hired to coordinate sustainability education for University Hall. The intern was able to produce monthly newsletters, FAQ sheets, and posters for the building.
- Window film installation was completed by GO! Team. A total of 12 offices had window film installed on the 3rd floor, thereby completing the project.
- TGIF has approved transfer of the remaining funds to the in-progress BYOM project.
- Created Promotional and Educational Materials
  - Spring 2011 Newsletter
  - Green Coffee Hour Invitation
  - Green Coffee Hour Flyer
  - Task Lighting Informational Guide
  - Task Lighting Poster
  - Window Film Installation Flyer
- This project is expected to save money annually due to the replacement of energy-intensive appliances with energy efficient models and the reduction in use of overhead lighting through providing task lighting to occupants. Overhead lighting in University Hall offices use an estimated 0.24 kw/hr per office (estimate made prior to the lighting retrofit project completion). Using only task lighting results in an energy usage of 0.028 kw/hr per office (assuming two task lights per office). It is estimated that there are a total of 304 offices in University Hall. This means that in University Hall, relying on overhead lighting for all offices would use 72.96 kwh; switching to task lighting reducing the energy consumption to 8.512 kwh, saving a total of 64.448 kwh.

Project Photos
Final Report
**Waste Reduction in the Cal Greek Community**

**Project Leads:** Kelley Doyle, Becca Mason, & Morgan Fabian  
**Sponsor:** Greening the Greeks  
**TGIF Grant:** $15,345  
**Project Theme:** Waste Reduction  
**Project Description:** Greening the Greeks will implement new and expand existing composting, recycling, and ReUSE programs throughout the Cal Greek houses.

**2011-2012 Accomplishments**

- Conducted pre- and post-implementation waste audits.
  - Waste Audit Results from Greek Houses, Fall 2011
- Each participating chapter was surveyed to assess types (compost, bottle & can, mixed paper) and amounts of bins needed for House installations.
- After purchasing all lids and bins, Greening the Greeks officers organized a "pick-up" day when all chapter sustainability chairs were required to pick up their bins and educational materials from a designated location within the Greek community.
- Over 300 bins were distributed to 16 fraternities within one afternoon. 12 sororities also received bins.
- Greening the Greeks further supported campus waste reduction initiatives by purchasing universal signage from Campus Refuse and Recycling Services (CRRS).
- Greening the Greeks officers conducted waste audits at all participating chapters with sustainability chairs. During these audits, officers consulted chapters about bin set-up and education strategies. Officers were able to provide specific feedback and answer any questions.
- Greening the Greeks invited representatives from various campus sustainability groups such as ReUSE, Little Green Book, STeam, and Green Campus to give educational presentations and train sustainability chairs. The waste reduction committee created educational "411" fact sheets that explained Berkeley's recycling procedures and provided contact information to facilitate setting up recycling and/or compost systems in chapters. The committee also created a PowerPoint presentation and hosted a mandatory meeting for all participating sustainability chairs.
  - Waste Reduction Tips  
  - Compost Tips  
  - ReUSE Tips  
  - Waste Reduction Education Presentation
- Reusable shopping bags and re-use and free-pile stations were bought and distributed to the houses.
**Water Metering Projects**

**Project Leads:** Lindsay Miller & Elliot Nahman  
**Sponsor:** Berkeley Institute of the Environment  
**TGIF Grant:** $56,000  
**Project Theme:** Water Conservation & Tap Water  
**Project Description:** This project aims to monitor water use in campus buildings, target and report the most wasteful facilities, and bring quantifiable savings to UC Berkeley while promoting campus sustainability and water conservation. These plans will be accomplished through installation and reading of water sub-meters in campus buildings. (See also Miller & Nahman's 2010 Project [Water Metering and Conservation](#))

**2011-2012 Accomplishments**

The project leaders met with PP-CS in May and the latest figure was that 67 water meters have been installed or upgraded as a result of the collaborative project efforts between student leaders and PP-CS. All of these meters will be connected with the Obvius system, if not already connected to the system. These meters will be provide water-use metrics that can be used to by student groups or campus departments for implementation of water conservation and reduction strategies.

**Wurster Hall Electrical Sub-metering**

**Project Leads:** Eliahu Perszyk  
**Sponsor:** College of Environmental Design  
**TGIF Grant:** $56,000  
**Project Theme:** Energy Conservation & Efficiency  
**Project Description:** This project will install sub-metering systems within Wurster Hall so that data from different spaces systems (electricity, water, steam) can be separated out from the whole building data on the UC Berkeley Campus Dashboard. Sub-metering Wurster's systems will also enable further research into proposing stop/start schedules for equipment, as had already been done successfully with the fans.

**2011-2012 Accomplishments**

The sub-meter data is readily available for viewing on Obvius. The data will be especially useful for students interested in using it for research projects or sustainability groups looking to conduct energy conservation competitions. The data can be also used for education and outreach efforts geared towards Wurster occupants. The other purpose of the sub-meters is to enable tracking of efficiency savings, for example once the ventilation fan speeds are changed the project team will have access to pre- and post-implementation data. The meters can also help Facilities Services understand if equipment is deviating from its operating schedule.
2011-2012 Accomplishments from Continuing Projects

2009 Funded Projects

**Lawns to Meadows Plan & Implementation**

**Project Leads:** Jim Horner & Theron Klos  
**Sponsor:** Facilities Services & Capital Projects  
**TGIF Grant:** $40,000  
**Project Theme:** Habitat Restoration  
**Project Description:** This project will prepare a master plan that includes locations, methodology, and plant palettes for converting selected grass lawns to regionally appropriate plants and promotes more efficient use of water and fossil fuel resources while respecting how open space is used.

- Student intern Kathy Tong was hired with the additional $1000 TGIF grant. Her completed tasks included conducting a water audit, designing and producing signage for the converted lawns, preparing base plans, and creating a project PowerPoint for presentation to Facilities staff and project posters.
- Contract documents, which included water meters, an irrigation system design, a planting design, were created for the test sites.
- Trial conversions were tested and signage installed at 5 conversion sites (see example in front of the Graduate Assembly at Anthony Hall).

**Lawns to Meadows Presentation at May CACS Meeting**  
**Project Photos**  
**2012 Project Poster**  
**Next Steps:** Compare water, fuel, and labor use to baseline data, and observe other changes to flora and fauna at conversion sites. Project leader Jim Horner received TGIF permission to postpone the Anthony Hall lawn conversion as Fall/Winter 2012 construction at Anthony Hall will have be impacting the lawn. Conversion of the Anthony Hall lawn will commence upon completion of construction activities. The work on Anthony Hall is part of the Student Community Center improvements and will help the Graduate Assembly to get a LEED certification on Anthony Hall.

**Recycling at Cal**

**Project Leads:** Michal Shuldman & Theron Klos  
**Sponsor:** Campus Recycling and Refuse Services  
**TGIF Grant:** $55,000  
**Project Description:** This project will design, label, and install receptacles for collection and recycling of beverage containers, mixed paper, and landfill waste in multiple strategic outdoor campus locations.

- RFP was sent out and the manufacturer of the bins was selected  
- Bin order was placed  
- Manufacturer delivered two round of prototypes with adjustments  
- Initial waste audit was performed
The waste audit performed in Upper Sproul determined the amount of waste and contamination in three streams: landfill, paper, and bottles and cans. The audit determined that 60% of the waste on Upper Sproul was compost, which strongly supports that Upper Sproul would be a good location in initiate a campus composting program.

The data also showed that the bottles and cans bins are 94% contaminated by waste that should be in other bins, and the paper recycling is 48% contaminated. The new bins should help deal with some of this contamination because the new design includes:

- labels that can be seen clearly from the side and from far away
- color-coding for different streams of recycling
- different shaped apertures for different streams

**Year-End Report**

**Next Steps**

- Potentially send out another RFP and select a new manufacturer. This would entail going through another round of prototypes.
- Purchase and install bins.
- Complete an additional waste audit to compare diversion rates with new bins.
- Use any leftover funds for educational purposes regarding recycling on campus.

**2010 Funded Projects**

**Cal Habitat Student Restoration Leadership Program**

**Project Leads:** Tim Pine & Karl Hans  
**Sponsor:** Environment, Health & Safety  
**TGIF Grant:** $17,000  
**Project Theme:** Habitat Restoration  
**Project Description:** This project will continue and expand a highly successful 2009 CACS Grant funded pilot program to train a corps of Cal students to lead habitat restoration activities on University owned-space. The project will expand efforts occurring in the Strawberry Creek and Claremont Creek watersheds, University Village, the Codornices Watershed, and the Richmond Field Station.

- Purchased a tool storage box for the upper canyon area to assist with restoration work.
- Three new students were hired as Cal Student Restoration Leaders.
- Cal Student Restoration Leaders taught a DeCAL and hosted many classes, clubs and day camps such as Berkeley High School classes and Kids for the Bay summer camp sessions at the nursery.
  - The DeCAL classes (Introductory and Advanced) enrolled a combined 50 students with 44 of them taking the introductory class and six taking the more independent advanced class. Students in both courses performed volunteer hours at the Creek, managing invasive species and planting native species.
  - One team from the advanced course “adopted” a portion of the Creek and successfully restored an area directly adjacent to the north side of the Faculty Club at the South Fork confluence of the “Big” and “Little Inch” channels.
• A conservative estimate of the number of students utilizing the nursery and garden as a classroom would be about 100 students per semester.
• Cal Student Restoration Leaders taught topics such as techniques in propagating native plants, discussion of the issues around invasive species vs. native biodiversity, and plant identification instruction.
• CHSRL Team held more than twenty individual volunteer events.
  o More than 400 individual volunteers put in approximately 800 hours of restoration work in Fall 2011. A highlight of their efforts was the newly cleared section of the South Fork directly between Hildebrand and the Women’s Faculty Club (also known as the Eastern Goodspeed Natural Area), with more than 40 cubic yards of ivy and other invasive species removed.

Next Steps: Cal Habitat Student Restoration Leadership Program received a 2012 TGIF Grant under the name Strawberry Creek Student Restoration Leadership Program, Phase II, which will expand upon the 2010 grant.

Human Powered Gym
Project Leads: Maha Haji & Kimberly Lau
Sponsor: Community Assessment of Renewable Energy and Sustainability (CARES)
TGIF Grant: $15,000
Project Theme: Energy Conservation & Efficiency
Project Description: The Human Power Generation in Fitness Facilities research project will create a human power generation center at the UC Berkeley Recreational Sports Facilities, which averages over 2,800 patrons per day, with a goal of developing new technologies and methods for energy conservation and power generation using fitness equipment.
  • Created a team of 15 undergraduates who received course credit for their research work and documentation of meeting minutes, design review presentations, and final reports.
  • Recruited a new student intern to head the creation of an energy education campaign for the RSF.
  • Converted a stationary recumbent bicycle into a pedal powered laptop station- the team had some technical difficulties in its original design and had to make many modifications. The team also decided to purchase a discounted iPad rather than use a laptop to create a more interactive experience for an educational kiosk.
  • The team began working in spring 2012 to convert a donated elliptical machine into a working prototype of an energy harnessing system; the team hopes to have the model completed by the end of fall semester 2012.

Next Steps: The Human Powered Gym Team is looking to recruit more education interns to create an interdisciplinary education and outreach team once all the prototyping and engineering is completed. The team will continue to offer course credit to undergraduate interns working on the project and also plans to use some of the TGIF grant to offer stipends to some of the student researchers. Once the prototyping of the elliptical is completed, the team plans to retrofit 14 RSF elliptical machines, install the educational kiosk (pedal powered iPad), and install other energy education materials, such as posters, energy consumption data of each
Teaching, Learning, & Change

Project Leads: Kira Stoll & Lisa McNeilly
Sponsor: Office of Sustainability
TGIF Grant: $16,650
Project Theme: Education & Behavior Change

Project Description: TLC will host a series of training and mentoring experiences for students and staff on a wide variety of sustainability topics, with the intention of building a campus culture of sustainability through career training and development opportunities. These will include job shadowing for student and staff, a student multi-media communications project, staff sustainability training, and three paid student internships within the Office of Sustainability.

- The UC Bee Sustainable YouTube Video reached 564 views as of July 18, 2012.
- TLC Interns created a new YouTube Video entitled "How Do You Get Around Berkeley?", which has 237 views as of July 18, 2012.
- Interns Michelle Lowe and Jessica Schoefer created the UCB sustainable fashion blog and photo display, entitled LoopCycle, which was launched in January 2012.
- Intern Taylor Zhou provided analysis for campus energy savings on printing equipment for an OE initiative and continued a building GHG assessment as part of the CalCAP program; Taylor also provided assistance on Renewable Energy Certificate recommendations.
- Intern Joanna Young continued to produce the Bright Green News, coordinated the recruitment process and trainings for the Next Generation of communications associates, and updated the Office of Sustainability's green event certification materials.
- Intern Kaya Allan Sugerman researched and completed the 2011 Sustainability Report, serving as its primary author. Kaya also spearheaded the WORKbright green Staff Sustainability Training, by designing the training, developing the curriculum, marketing the training, securing 19 participants, and successfully running the trainings through November and December.
  - WORKbright green Staff Sustainability Training, a three-part training for all UC Berkeley staff, began November 15, 2011. Visit the WORKbright green website for more details about the training and how to register for future trainings.

2012 Project Poster for Educational Videos
2012 Project Poster for Staff Sustainability Training

Year-End Report

Next Steps: The Office of Sustainability has received TGIF approval to extend the project through December 2012 in order to offer a fall 2012 Staff Sustainability Training coordinated by a student intern and provide students with the opportunity to work on new CalCAP related projects, including a new coalition effort with the City of Berkeley and multiple non-profits interested in advancing energy efficiency in the community. It is anticipated that the extension of the project and use of the funds for fall staff training will offer another 20 to 25 campus staff
the opportunity to learn about campus sustainability programs. There will be an effort made to attract participants to the training that are new to sustainability, thus helping to expand the environmental community. Additionally, CalCAP will be very active in the upcoming year and these funds will help to further expand student input and involvement in these important activities, while offering the students valuable work experience.

2011 Funded Projects

**Air Handling Unit Transmitters**

**Sponsor:** Physical Plant-Campus Services  
**TGIF Grant:** $21,400  
**Project Theme:** Energy Conservation & Efficiency  
**Project Description:** Install MS Magnesense Differential Pressure Transmitters on air handling units in eight campus buildings. These switches will notify PP-CS’s Energy Management System when filters are reaching the end of their life cycles and need to be replaced. Using the switches will end the current method of relying on scheduled replacement dates and human observation, which are often incorrect and lead to the replacement of filters that still have lifecycle remaining.

- Project was delayed due to difficulty hiring a student intern and the project received TGIF approval for a timeline adjustment.
- Purchased the project equipment Differential Pressure Switches Data Loggers Filters and Conduit for the project
- Hired a student intern

**2012 Project Poster**

**Next Steps:** A new student intern will be hired for 2012-2013 to continue the project in line with the timeline adjustment. The intern will assist the project leader with installations at LeConte, Cory, California, and Bechtel Halls, as well as the on-going monitoring of the equipment results.

**ASUC Green Certification**

**Project Leads:** Elliot Goldstein & Vanessa Fernandez  
**Sponsor:** Associated Students of the University of California (ASUC)  
**TGIF Grant:** $33,100 for two years  
**Project Theme:** Education & Behavior Change  
**Project Description:** Encourage and educate student groups about ways to reduce their environmental footprints through their groups’ activities and behaviors. Groups will apply for Green Certification by demonstrating sustainable behaviors listed on the ASUC Green Certification checklist. Once a group has received Green Certification, they will be eligible for
additional funding to be used for sustainable purchases listed in the ASUC Green Purchasing and Resource Guide, environmental-themed events, and greening events.

- Interviewed and selected a Finance Director, a GreenCAT (Certification Auditing Team) Director, and GreenCAT Members.
- Held Green Certification Workshops for student groups applying to the ASUC Green Certification Program.
- Solicited applications and selected five student groups for the Spring 2011 ASUC Green Certification Pilot Program.
- **2011-2012 Pilot Program Metrics**
- Solicited applications and selected six student groups for the Fall 211 ASUC Green Certification Program.
- Required all accepted groups to appoint a Sustainability Director.
- Institutionalized the Green Certification Program within the ASUC by amending the ASUC By-laws to create a new Title that specifies funding mechanism for the program.
- Secured additional funding from the ASUC ($1,000 annually) and the Cal Student Bookstore ($500/year for 3 years).
- Co-Sponsored the Year-End ASUC Banquet and recognized the ASUC Green Certified Groups.

**2012 Project Poster**
**2011-2012 Year-End Report**
**2011-2012 Year-End Financials**

**Next Steps:** The ASUC Green Certification Program project leaders will create a more inclusive website that will allow the groups to login and access central database of information on their groups, as well as a storage area for receipts, photos, and other documentation pertinent to the groups. A new website may also help GreenCAT stay in better contact with their groups. Project leaders will also be reviewing the role of GreenCAT Members.

**BYOM- Bring Your Own Mug**
**Project Lead:** Rebecca Anderson
**BYOM Intern:** Morgan Fabian
**Sponsor:** Environment, Health & Safety
**TGIF Grant:** $10,000
**Project Theme:** Waste Reduction

**Project Description:** This project will develop a campus wide monetary incentive program for bringing your own mug, will educate and reach the campus community through events and social media, and have sales and give-aways of tested, purchased BYOM mugs. The purpose of the BYOM will be to reduce the purchase and disposal of single-use coffee cups on campus through a campaign entitled “Bring Your Own Mug”, brought to you by the Campus Environmental Management System Oversight Committee.
- Presented to the Chancellor's Advisory Committee on Sustainability.
- Selected Klean Kanteen for the mug and designed a BYOM logo.
- Established a partnership with Cal Dining, who will assist with purchasing and selling of BYOM's.
- Partnered with Berkeley Student Food Collective to sell BYOM's at the BSFC store at 2440 Bancroft Way.
- Tabled and sold BYOM's at the 2011 CACS Sustainability Summit.
- Hired an education and outreach intern, Morgan Fabian.
- Created a BYOM Pledge and Facebook Page

2012 Project Poster

Next Steps: Continue to give away and sell BYOM's and partner with on-campus dining halls and cafe's to provide discounts. Create a map that pinpoints local cafés and their mug discounts. Create education and outreach to encourage campus members to BYOM.

Custodial Communications Project

Project Leads: Alison Amberg, Joanna Martinez, & Jimmy Figueroa
Sponsor: Physical Plant-Campus Services, Custodial Services
TGIF Grant: $11,500
Project Theme: Education & Behavior Change
Project Description: Bridge the communication gap between custodial staff and building inhabitants in order to promote sustainability efforts, increase mutual respect & communication, and improve the morale of both custodians and buildings inhabitants. This project will take place in six buildings: University, Wurster, Kroeber, Cory, Stanley, and Sproul
- Students Interns Joanna Martinez and Jimmy Figueroa were hired by PP-CS to serve as Communications Interns to lead the education and outreach efforts of the project.
- CCP interns have met with and interviewed the Custodial staff in Barrows, Evans, and University Halls.
  - Interview results Information will be included (with custodians' permission) in the "Meet Your Custodial Staff" posters for the buildings. The information will be geared towards improving the visibility of the custodial staff in their respective buildings and throughout campus.

Next Steps: CCP interns will educate building residents about their custodial staff members through newsletters and staff profile posters, with a goal of acknowledging and celebrating the sustainable efforts of custodians. Interns will collect qualitative data regarding the newsletters and outreach through pre- and post-implementation surveys of the residents. Interns will work with Custodial Services to increase and report the use of “green cleaning” products within the buildings, with a goal of gaining green-cleaning credits under Materials & Resources and Indoor Air Quality for LEED EB: O&M.

Low Water Irrigation

Project Leads: Gary Imazumi & Matthew Wolter
Sponsor: Physical Plant-Campus Services
TGIF Grant: $38,072
Project Theme: Water Conservation & Tap Water
Project Description: Low Water Irrigation will install electronic metering and a weather station to provide more accurate and real-time management of campus irrigation systems. With the installation of the metering, campus can switch from time-base to flow-base watering.

- Four hydrometers, three smart controllers, and a weather station have been installed.
- Alarms from the controllers have already been triggered and alerted Ground Services of needed irrigation repairs, proving the project to be successful.
- The project was completed under-budget, allowing project leader Gary Imazumi to use the extra funds for Water Wise products, to accommodate future expansion of the landscape with water smart controllers.
- With the installation of the 4 ARAD Hydrometers, the flow rate is being monitored and measured remotely. Water usage is being recorded after irrigating the landscape to determine a baseline usage. With on-going monitoring of the water usage, maximum and minimum set points can be established and programmed; conditional programming features of the software will trigger alerts when flow rates exceed maximums and will trigger the hydrometers to shut off; eliminating wasting of thousands of gallons of water.
  - Once the base line is established, the software will provide information to pinpoint field problems. Performance efficiencies will be enhanced, sending the irrigation plumbers to the right valve and location, and expediting the repair.
- With the installation of an ET (evapotranspiration) weather station and a Smart Controller (IRRInet-Ace) near the West Front, local (microclimate) data is being collected and sent to the irrigation server to calculate real-time program adjustments to water schedules and upload those changes to other field controllers. The system is also automatically and remotely deactivating all campus connected controllers when sufficient rainfall is detected to prevent water waste.

Year-End Report
Next Steps: The project leader will hire student interns to gather past water usage records, record the flow rates for the base line, and determine what percentage of water was saved over the course of the project. The students will interact and work with staff from other departments to develop ideas to help conserve water, labor, and campus funds related to irrigation and sustainable landscapes.
Talking About Sustainability- Next Generation

Project Lead: Kira Stoll
Interns: Rachel Balmy, Nik Crain, Zara Fernandez
Sponsor: Office of Sustainability
TGIF Grant: $6,500
Project Theme: Education & Behavior Change

Project Description: The Office of Sustainability is granted funds for five communication internships over the next two years. The current student communications team will mentor and train the next generation of outreach coordinators, who will take full reign in year two. This project will continue the efforts begun by the 2009 TGIF Grant Talking Louder About Campus Sustainability.

- The Office of Sustainability hired three Next Generation interns: Nik Crain, Zara Fernandez, and Rachel Balmy
  - The interns received training from Communications intern Joanna Wong.
- The Next Generation interns organized and ran the Fall 2011 and Spring 2012 Sustainability Forums.
- The team made new connections with the resident hall sustainability coordinators and the Greening the Greeks members.
- The interns assisted the Office of Sustainability with bright green news and signed up over 200 new readers to the newsletter listserv. Be sure to read the monthly issues!
- The NG interns also assisted OS with green department certifications and green event certifications.
- The Next Generation team tabled at various events including PLAYgreen, the Green Jobs Fair for high school students held at MLK, and at the 2012 Earth Week events.
- Check out the sustainable fashion blog created by Next Generation Interns.
- Be sure to watch the latest video/photo montage from Next Generation Interns, entitled "Students in Action- UCB Campus-wide Sustainability 2012".

Next Steps: The Next Generation interns will continue to work with the Office of Sustainability’s Talking Louder About Sustainability campaign during the 2012-2013 academic year, contributing to the monthly issues of bright green news, tabling at campus events, and planning the fall and spring sustainability forums.
Over the last year, TGIF has continued to expand its campus and national brand through its education and outreach efforts. Such efforts have included publishing newsletters and articles, presenting at regional and national conferences, tabling at campus events, creating a recognized and user-friendly web presence, and providing green fund consultation in support of green fund establishment at fellow colleges and universities.

**Conferences, Events, & Presentations**

**Association for the Advancement of Sustainability in Higher Education (AASHE), October 2011**
- TGIF Coordinator Katherine Walsh facilitated a green fund networking session and open floor discussion entitled “Campus Green Funds: Best Practices & Lessons Learned”, which was attended by 90+ conference participants.
- Walsh also presented three TGIF project posters during the conference poster session.

**Association for College Unions International (ACUI), March 2012**
- Walsh presented *How Campus Green Funds Promote Student Leadership*.

**Calapalooza 2011 and Cal Day 2012**
- TGIF collaborated with Grounds and Campus Recycling & Refuse Services to provide landfill, recycling, and composting bins and waste reduction education & bin service.

**California Higher Education Sustainability Conference, July 2011, CSU Long Beach**
- TGIF project leaders presented five posters—*Sustainability Map, End the Cycle, Compost Tea at UC Botanical Garden, I Heart Tap Water,* and *Installation of Hydration Stations*.

**California Higher Education Sustainability Conference, June 2012, UC Davis**
- Walsh facilitated a Green Fund World Café session along with Elissa Martinez (UCSC), John J. Griffin (CSU, Channel Islands), TallChief Comet (Humboldt), and Alyssa Hall and Erica Aguilera (UCSB). Each facilitator gave a short presentation then led small discussion groups based on a variety of green fund topics.
- 2011 TGIF Grant Award *Waste Reduction in the Cal Greek Community* presented during the Student Convergence.
- 2011 TGIF Grant Award *Green Cup Competition* (formerly known as Greeks Energy Competition) was selected as the 2012 “Best Student Energy Efficiency Program” from the UC and CSU systems.
- Project leaders from PowerSave Green Campus presented their TGIF-funded projects (“End the Cycle” Sustainable Laundry Project, *Fight the Flow* and *Green Cup Competition*) during the poster session. Green Cup Competition also presented an educational session.

**CACS Sustainability Summit, April 19, 2012, Sutardja Dai Hall**
- TGIF Coordinator served as a lead planner and co-host/emcee of the Summit.
- 22 TGIF Project posters were presented at the poster session by TGIF project leaders.

**Stay Day, May 23, 2012, Clark Kerr Campus**
- Five TGIF projects presented posters: *ASUC Green Certification, Teaching, Learning, & Change (TLC), Compost Alliance, End the Cycle.*
**TGIF Program Presentations**
- Presented to the Office of Sustainability Next Generation Associates.
- Presented at the Fall 2011 and Spring 2012 Sustainability Forums.
- Tabled at the 3rd Annual Green Corridor Career Exploration Fair, held in Pauley Ballroom for Bay Area high school students.
- Presented to visiting staff from Chung-Ang University, South Korea.
- Presented to visiting staff from University of Gothenburg, Sweden and University of Oslo, Norway.
- Gave an EcoLunch Presentation to UC Berkeley students, faculty, staff.
- Tabled on behalf of TGIF and the ASUC Auxiliary during CalSO 2012 lunch sessions.
- Recorded a fall radio piece for KALX.

**TGIF Application Workshops & Trainings**
- Held optional “How to Apply to TGIF” workshops in November and December 2011.
- Held optional Abstract Submission workshops in January and February 2012.
- Held optional Final Application workshops in March 2012.
- Held mandatory TGIF Grant Winner Trainings in May 2012.

**Committees & Partnerships**

**Chancellor’s Advisory Committee on Sustainability**
- TGIF Coordinator Katherine Walsh was selected to serve as the 2012 CACS Co-Chair.
- Walsh also sat on the CACS Executive Committee, Summit Planning Committee, and Awards Committee.
- Walsh successfully lobbied for TGIF Coordinator to become an official ex-officio seat on CACS beginning August 2012.

**WORKbright Green**
- The TGIF Coordinator completed the WORKbright green Staff Sustainability Training and presented on behalf of TGIF during one of the three training days.

**ECO- Environmental Clubs and Organizations**
- 2012 Committee member Kailin Lu represented TGIF at the monthly ECO forums.

**Beverage Alliance Sustainability Grant**
As part of the recently signed campus beverage contract with Pepsi, the Beverage Alliance negotiated a $15,000/annum grant from Pepsi for campus sustainability. The Beverage Alliance has named TGIF as a partner on this grant. It will be the duty of TGIF to call together an annual Beverage Alliance Sustainability Committee to write a proposal for the use of the $15,000. The TGIF Coordinator will then present the proposal to the Beverage Alliance and Pepsi for approval. The TGIF Coordinator will track the use of the grant funds and report the results to the Beverage Alliance. The grant proposals for 2011–2013 requested the purchase of 13 max-R four waste-stream bins and have been approved by the Beverage Alliance.

**Bay Area Green Tours (BAGT)**
TGIF served as the UC Berkeley sponsor for Bay Area Green Tours’ [2011 Grant from the Chancellor’s Community Partnership Fund](#) (listed as “Berkeley Unzipped”). BAGT received a $5,000 Chancellor’s grant to offer create a free walking tour for students so that they can visit...
some of the leading green businesses in downtown Berkeley. BAGT offered a number of these tours, called "Green Pioneers Tours," during the 2011-2012 academic year with over 30 Cal students participating, and is planning the grant-funded tours with student environmental groups for September 2012.

**Green Fund Networking & Consultation**

TGIF has included green fund networking and consultation as part of its education and outreach efforts for two main purposes: 1) To support fellow universities and colleges with the establishment or growth of their own green funds and 2) To improve and expand the TGIF program through the sharing of ideas. By providing green fund consultation or giving green fund presentations at conferences, TGIF is furthering its mission of improving campus sustainability by expanding it beyond the physical campus. TGIF Coordinator Walsh was interviewed this year by [CoFED](http://cofed.org) and [NYU](http://www.nyu.edu) for green fund publications and provided consultation for schools such as Clark University, Santa Clara University, CSU Channel Islands, CSU Long Beach, University of Mississippi, and Western Washington University. In addition, through the sharing ideas with fellow green funds, TGIF can learn new ways of running its program and better serve the UC Berkeley campus. For example, TGIF interviewed UCLA’s TGIF Coordinator Patty Zimmerman for ideas on starting the mini-grant program because UCLA has already been running a mini-grant program.

**Publications & Web Presence**

Publication of the [Fall 2011 and Spring 2012 Newsletters](http://tgif.berkeley.edu/newsletters)

Webpage additions at [http://tgif.berkeley.edu](http://tgif.berkeley.edu):

- **Develop Your Project**
- **Green Fund Resources**
- **Project Updates**
- **Projects by Theme**
- **How to Get Involved**
- **Project Posters**
- **2012 Project Pages**

The original TGIF Blog was discontinued because the hosting site, Changents.org, shut down. A [new TGIF blog](http://tgif.berkeley.edu) was created and all past blog posts from the Changents blog were archived on the new blog.

TGIF was interviewed for [Comparative Analysis of Campus Greening Grant Programs at U.S. Post-Secondary Institutions: Non-thesis Undergraduate Student Research, David Seaward, NYU](http://www.berkeley.edu/tgif), and [Green Fee Research: CoFED Summer Internship, Delo Freitas](http://cofed.org).
TGIF in the News

Spring Semester 2012

- Read the Daily Cal article on the TGIF-funded Zero Waste Research Center and Plastic Disclosure Project.
- UC Berkeley awarded at the 2012 California Higher Education Sustainability Conference.
- Read the Mercury News article on the TGIF-funded Zero Waste Research Center and Plastic Disclosure Project.
- Congratulations to 2009-2010 TGIF Committee Member and UC Berkeley student Annie Davis for being selected as a 2012 Bergeron Scholar. The Berkeley Bergeron Scholars Program provides scholarships, program support and mentorships to five undergraduate women each year pursuing careers in science, technology, engineering and mathematics.
- A must-read from UC Berkeley News Center reporter Carol Ness: A worldwide first: Berkeley steps up to the plastic-waste challenge.
- Read the latest news on in-progress and new TGIF projects led by PowerSave Green Campus interns in the June issue of UCB PowerSave Chronicles. Congratulations to seniors Kimberly Lam, Morwenna Rowe, and Felicia Tan on their graduations from UC Berkeley. Your efforts to campus sustainability and your leadership will be greatly missed!
- TGIF has announced the 2012 TGIF Grant Winners. Twenty-two projects received grant awards, with a total of $308,630 awarded. Fifty-six paid student internships have also been created as a result of the 2012 grant awards.
- Read the May newsletter from UC Berkeley Green Campus, featuring Green Cup, Fight the Flow, and End the Cycle, all TGIF sponsored projects.
- Article from UC Berkeley News Center on the 9th Annual CACS Sustainability Summit.
- Article from the Daily Cal covering the 9th Annual CACS Sustainability Summit.
- Article from the Daily Cal covering TGIF-sponsored Earth Week.
- Be sure to read the special Earth Week edition of bright green news from the Office of Sustainability.
- Congratulations to Berkeley Green Campus and Greening the Greeks for winning "Best Student Energy Efficiency Program" for the Green Cup Competition! This award is part of the 8th annual Energy Efficiency and Sustainability Best Practice Awards, which will be given out at the 2012 California Higher Education Sustainability Conference this June at UC Davis.
- Check out the March issue of bright green news from the Office of Sustainability.
- Read the article by Greening the Greeks President Kelley Doyle on the Green Cup Competition, co-sponsored by Greening the Greeks, Green Campus, and TGIF.
- Check out the February issue of bright green news from the Office of Sustainability.
- Check out an article on Saturday's Zero Waste Basketball Game, with volunteers from Compost Alliance and Campus Recycling & Refuse Services.
• Be sure to read the Spring 2012 TGIF newsletter, featuring:
  o Campus Bicycle Initiative
  o Cal Student Store
  o Greening the Greeks
  o Water Refill Stations
  o Eco Internships, Events, & Opportunities
• Read about TGIF-funded Loop-Cycle and how to apply for a 2012 TGIF grant in the January issue of bright green news.

Fall Semester 2011
• Read about TGIF-funded Berkeley Student Food Collective and Greeks Energy Competition in the December issue of bright green news.
• Check out the article from UC Berkeley NewsCenter on 2011 TGIF Winner Campus Bicycle Initiative’s Cycling for Parents Workshop.
• Be sure to read about 2011 TGIF Winner Fight the Flow in the November issue of the UC Berkeley Green Campus Chronicles.
• Read the article on 2010 TGIF Grant Winner BERC Energy Symposium from the Berkeley News Center.
• Check out the new Talking Louder video and Strawberry Creek article in the October issue of bright green news from the Office of Sustainability.
• Be sure to read the 2011 Campus Sustainability Report from the Office of Sustainability. Read how TGIF plays a role in bolstering campus sustainability efforts.
• Be sure to read the Fall 2011 TGIF Newsletter.
• Greek Energy Competition, a 2011 TGIF Grant Winner, highlighted in the September Chronicles from UC Berkeley Green Campus.
• 2010 TGIF Grant Winner BERC Symposium and 2011 Winner Campus Bicycle Initiative featured in the September issue of bright green news from the Office of Sustainability.
• TGIF unveils a YouTube video of Campus Bike Day activities.
• Article from the Berkeley News Center on Campus Bike Day 9/9/11.
• Check out the August issue of bright green news from the Office of Sustainability, mentioning Campus Bike Day and Talking Louder, Next Generation, two 2011 TGIF Grant Winners.
• Check out the latest newsletter from UC Berkeley’s Green Campus.
• Article on the new TGIF website featured in the July issue of bright green news from the Office of Sustainability.
• Check out UC Botanical Garden and TGIF’s winning entry in Care2 and Changents’ "Gardening for Change" photo contest.
TGIF receives a $5.50/student/semester fee per the 2007 referendum. This fee will be raised to $6.00/student/semester for 2013-2017, starting Fall 2013. TGIF received $321,531 in student fees for Fiscal Year 2012 (FY12).

Line Items of Note (in comparison to the FY11 budget):

Wages Increase in FY12
- For FY11, the TGIF Coordinator was hired September 7, 2010, so no wages were paid July 1-September 6, 2010. Also, CUE staff received slight pay increases and therefore there was an average increase in monthly wages of an estimated $200.

Supplies & Expenses Increase in FY12
- TGIF Project Posters were significantly more expensive in FY12 due to the ASUC Auxiliary large printer being out-of-order when it was time to print the posters for the summit.
- TGIF purchased a laptop to be used for all future trainings, application sessions, committee and campus meetings, and conference travel.

Conference Expenses Increase
- The annual California Higher Education Sustainability Conference happened to occur twice in one fiscal year for FY12 because the 2011 conference took place in July 2011 and the 2012 conference took place in June 2012.
- The FY12 conference budget had been approved back in May 2011; in June 2011, the ASUC Auxiliary and TGIF were informed they would be moving from BAS to Student Affairs. Due to this transition to Student Affairs, TGIF attended and presented at the 2012 ACUI conference, adding to the normal annual conference expenses.

The total remaining balance is $290,911.
- $193,247 is already granted to in-progress TGIF projects, which have not yet transferred their grant awards to their project accounts as of July 1, 2012.
- $20,000 is allocated for the Fall 2012 Mini-Grant Program.
  - TGIF will launch its first ever “Mini-Grant Program” in Fall 2012, with funding cycles in October and December. Projects can apply for grants in the amount of $500-2,000 and the TGIF Committee hopes to award $20,000 in total across the two deadlines. The Mini-Grant Program will become an annual TGIF program, in addition to the well-established annual spring funding cycle.
- $50,000 is “unallocated-restricted” for the FY13 operating budget.
- $27,663 is “unallocated-unrestricted” (in theory, the actual “total remaining balance”).

Finance Goals for FY13
Although the ending Total Balance for FY12 is greater than that of FY11, TGIF awarded significantly more grant money in FY12 (over $60,000 more), accomplishing its FY12 Finance Goal of awarding between $300-350,000 in grants. TGIF will continue expanding its grant award goals by awarding fall mini-grants for the first time in program history. The TGIF hopes to award up to $20,000 in amounts of $500-2,000 in Fall 2012. FY13 will be the last fiscal year of
receiving fees of $5.50/student/semester. Beginning FY14, the fee will be raised to $6.00/student/semester through FY17.

A second financial accomplishment of FY12 was being able to reduce the TGIF “Unallocated-Unrestricted” funds (aka funds that TGIF is sitting on) from $94,173 in FY11 to $27,663 in FY12. TGIF does need to have some “Unallocated-Unrestricted Funds” for potential program improvements and project emergencies that are not budgeted in the Committee approved annual budget. If these situations do occur, any spending is always first approved by the TGIF Committee in accordance with the TGIF bylaws.

FY13 will bring the zeroing of the 2008 TGIF Grant Awards budget, as Earth Week will use its remaining $2,000 for Earth Week 2013. All 2008 TGIF Projects will be completed upon completion of Earth Week 2013. Based on the next steps of Recycling at Cal and the Custodial Communications Project, FY13 will also see the zeroing of the 2009 and 2011 TGIF Grant Awards budgets. If these budgets zero during FY13, TGIF has the potential to begin FY14 only holding funds for projects awarded in 2012 and 2013.

The TGIF Coordinator will continue to develop and propose new and creative uses for TGIF funds that fall within the guidelines of the TGIF bylaws. Examples include sending students and TGIF project leaders to related conferences, hiring additional student interns to work on TGIF funded projects, and working with CACS on a campus sustainability gap analysis from which TGIF can create a bank of ideas ready for potential applicants. Possible projects include a campus-wide tree inventory, solar panels on a campus building, and a sustainability project DeCAL. Pending evaluation of the 2012 TGIF Mini-Grant program, TGIF may decide to award a greater amount of mini-grant funding in Fall 2013.

The TGIF Committee has approved two changes to the TGIF operations budget. One is the percentage change of the TGIF Coordinator Position from a 70% TGIF/30% LEAD Center split to an 80% TGIF/20% LEAD Center split. The Committee approved this change due to the growing scope of duties under the TGIF Coordinator position. The Committee also approved funding to hire 1-2 TGIF program interns per fiscal year to be supervised by the TGIF Coordinator. Both these operational changes will take effect in FY13.
# The Green Initiative Fund

## Statement of Activity

**July 1, 2011 - June 30, 2012**

### Beginning Balance

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### Revenues

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### Expenses

#### Operating

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#### Grants

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**TOTAL EXPENSES** $286,197

### Net Revenues/(Expenses)

$35,334

### Beginning Balance for FY12

#### Allocated

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#### Unallocated

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**TOTAL BALANCE** $290,911
## Grants Activity FY08-FY12

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<th>FY10</th>
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2011 Grant Funds Remaining as of 6/30/XX

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<td>Water Waste Management</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>38,400</td>
</tr>
<tr>
<td>Zero Waste Research Center</td>
<td>19,100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19,100</td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td>313,561</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>313,561</td>
</tr>
</tbody>
</table>

2012 Grant Funds Remaining as of 6/30/XX

| Total Grant Expenses                            | 15,000  | 167,655| 284,600| 338,014| 235,914|
| Total Grant Award Carry Over                    | 153,615 | 273,200| 232,140| 115,601| 193,247|
| Total Grant Expenses                            | 15,000  | 167,655| 284,600| 338,014| 235,914|
| Total Grant Award Carry Over                    | 153,615 | 273,200| 232,140| 115,601| 193,247|
| Total Grant Expenses                            | 15,000  | 167,655| 284,600| 338,014| 235,914|
| Total Grant Award Carry Over                    | 153,615 | 273,200| 232,140| 115,601| 193,247|
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| Total Grant Expenses                            | 15,000  | 167,655| 284,600| 338,014| 235,914|
| Total Grant Award Carry Over                    | 153,615 | 273,200| 232,140| 115,601| 193,247|
When students voted in favor of establishing The Green Initiative Fund in 2007, they voted for the TGIF program to collect student fees over a ten-year period from 2007-2017. 2011-2012 marked the fifth year of collecting student fees and the fifth year of awarding grant awards. Having reached its mid-point, TGIF will devote time and efforts during 2012-2013 to evaluating the TGIF program and its place in UC Berkeley’s Campus Sustainability Plan in order to ensure its continued improvement, success, financial accountability over the next five years. TGIF will create webpages dedicated to TGIF program history and TGIF project metrics in preparation for potential re-approval in 2017.

The 2010-2011 Annual Report outlined FY12 education and outreach goals related to presenting at AASHE and greater involvement with CACS. Green Cup Competition project leaders Anton Walker and Patrick Smith, and TGIF Coordinator Katherine Walsh have been accepted to present at the 2012 AASHE Conference, to be held October 14-17, 2012 in Los Angeles. Walsh will represent TGIF on the “Green Funds 1.0: Getting a Fund Started” Panel Discussion and in the “Green Funds 2.0: The Nitty-Gritty of Campus Sustainability Fund Management from the Ground Up” Advanced Track Session.

Walsh will continue to serve as CACS Chair through December 2012 and then the TGIF Coordinator position will become a permanent ex-officio position on CACS. The TGIF Coordinator position will also become a member of the UC Berkeley Zero Waste Working Group and the City of Berkeley Climate Action Coalition beginning Fall 2012.

The TGIF Office will move from Eshleman Hall to Hearst Gym 102 as of August 2012 and be housed in the new LEAD Center, a unit within the ASUC Auxiliary. The TGIF Coordinator will no longer report to the Financial Services Manager but to the Director of the LEAD Center. TGIF will collaborate with LEAD Center Coordinators to reach a new student audience, with a goal of increasing the number of “first-time” applicants for the TGIF Mini-Grant and Spring Grant application cycles.

TGIF will hire 1-2 students as 2012-2013 TGIF Program interns to assist the TGIF Coordinator on Committee-approved tasks, such as creating TGIF project videos and developing project ideas to assist with outreach to potential applicants. TGIF will continue to attend campus events, collaborate with student groups and departments, and grow its online presence for the purpose of TGIF grant opportunities and project accomplishments. By continuing to explore opportunities for improving campus access to its funding and creating innovative ideas for improving UC Berkeley's campus sustainability, TGIF will honor and fulfill the responsibility set forth by the UC Berkeley student body to “provide funding for projects that reduce UC Berkeley's negative impact on the environment and make UC Berkeley more sustainable.”
### Appendix 1: 2012 Abstract Submissions

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Applicant</th>
<th>Description</th>
<th>Amount Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Breaks</td>
<td>Rica Garcia</td>
<td>The Alternative Breaks program is seeking support for our two environmental and sustainability trips, the &quot;Food Justice and Sustainability&quot; trip and the &quot;Environmental Justice&quot; trip, to further educate and spread awareness about the importance of sustainability on campus by engaging undergraduates of all academic backgrounds in environmental related social justice issues.</td>
<td>$5,060</td>
</tr>
<tr>
<td>Bare Abundance</td>
<td>Komal Ahmad</td>
<td>Funding requested to support existing food distribution programs and educating children living in these communities about food and nutrition at Oakland afterschool programs.</td>
<td>$18,218</td>
</tr>
<tr>
<td>Barrows Reuse Station</td>
<td>Kimberly Lam</td>
<td>Funding for a new ReUSE station at Barrows</td>
<td>$2,125</td>
</tr>
<tr>
<td>Bear-ly Used Drive and Bazaar</td>
<td>Adriana Haro</td>
<td>Funding for transportation, publicity, labor, and storage costs to run a collection and sale of items disposed of during move-in and move-out at UC Berkeley.</td>
<td>$7,684</td>
</tr>
<tr>
<td>BERC Symposium 2012</td>
<td>Sibel Leblebici</td>
<td>Funding for mobile app, compostables, and catering to &quot;green&quot; the 2012 BERC Symposium</td>
<td>$12,000</td>
</tr>
<tr>
<td>Berkeley Project</td>
<td>Ryan Sin</td>
<td>Funding to print the BSR on recycled-content paper, educate other publications to go green, and potentially switch to an East Bay area printer, cutting down on paper and carbon emissions from transport of the BSR.</td>
<td>$22,831</td>
</tr>
<tr>
<td>Berkeley Science Review</td>
<td>Sebastien Lounis</td>
<td>Funding requested to expand food production and offer ecologically sound, local, fair, and humane food options to the Berkeley community. Obtaining a fridge, freezer, and additional food prep tools will enable the BSFC to expand our in-house food prep as a part of our larger mission to increase sustainable food accessibility to the Berkeley campus and community.</td>
<td>$1,135</td>
</tr>
<tr>
<td>Berkeley Student Food Collective Food Prep Expansion</td>
<td>Ilana Nevins</td>
<td>Funding requested to expand food production and offer ecologically sound, local, fair, and humane food options to the Berkeley community. Obtaining a fridge, freezer, and additional food prep tools will enable the BSFC to expand our in-house food prep as a part of our larger mission to increase sustainable food accessibility to the Berkeley campus and community.</td>
<td>$8,812</td>
</tr>
<tr>
<td>Berkeley Student Food Collective Food Prep Expansion</td>
<td>Ilana Nevins</td>
<td>Funding requested to expand food production and offer ecologically sound, local, fair, and humane food options to the Berkeley community. Obtaining a fridge, freezer, and additional food prep tools will enable the BSFC to expand our in-house food prep as a part of our larger mission to increase sustainable food accessibility to the Berkeley campus and community.</td>
<td>$10,217</td>
</tr>
<tr>
<td>Bring Your Own Hand Towel</td>
<td>Kira Stoll</td>
<td>Purchase 1,000 re-usable hand towels for distribution to random and strategic members of the UC Berkeley Community. BYOHT will assist UC Berkeley in reaching its waste reduction goal by reducing waste from paper towels.</td>
<td>$7,250</td>
</tr>
<tr>
<td>Project Name</td>
<td>Coordinator</td>
<td>Description</td>
<td>Funding</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Cal Dining Sustainability Team Jenna Kingkade</td>
<td></td>
<td>Funding for three sustainability interns and one coordinator to complete the following: 1. Auditing Cal Dining’s operations for the consistent application of green standards. 2. Measuring the environmental impact of Cal Dining operations, identifying where benchmarks can be established, and developing and implementing programs to reach these objectives. 3. Increasing sustainability awareness among students and the UC Berkeley community.</td>
<td>$4,121</td>
</tr>
<tr>
<td>CITRIS Sustainability Champion Awards for Undergraduates Jason Trager</td>
<td></td>
<td>Funding requested to create a hybrid research experience and internship program for undergrads. The program will consist of up to ten undergraduate students going through fourteen weeks of sustainability education, research, and industry experience broken up into several subject blocks.</td>
<td>$20,000</td>
</tr>
<tr>
<td>Compost Alliance 2012: Institutionalizing In-House Composting Annie Gorden</td>
<td></td>
<td>Funding requested to continue the implementation of composting within UC Berkeley buildings in order to reach &quot;critical mass&quot; necessary for making composting an in-house operation.</td>
<td>$34,330</td>
</tr>
<tr>
<td>Cool Lifestyle at UC Village Lludmila Moran</td>
<td></td>
<td>Funding requested for supplies and labor to create waste, energy &amp; water, and education &amp; outreach programs at UC Village, to promote sustainability and resource conservation amongst the residents</td>
<td>$13,566</td>
</tr>
<tr>
<td>ECO Media Project Chris Ackman</td>
<td></td>
<td>Funding for online environmental social networking site, bringing together those involved with and interested in the environmental movement</td>
<td>$40,850</td>
</tr>
<tr>
<td>End Coal Campaign Brynn Cook</td>
<td></td>
<td>This campaign will raise awareness of the discrepancy between our sustainability goals and our unsustainable investments by creating a socially responsible investing advisory committee at UC Berkeley to allow for future social responsibility in our investments, specifically to divest from the fifteen most damaging coal companies and coal powered utilities. The committee and interns will raise campus awareness of UC Berkeley investment policies and educate students on the topic, specifically on the very tangible negative impacts of investing in coal.</td>
<td>$2,485</td>
</tr>
<tr>
<td>Environmental Documentary Nights Judy Li</td>
<td></td>
<td>The Environmental Documentary Nights will feature a different educational documentary on campus on a weekday night once a month that focuses on an issue related to the environment or sustainability.</td>
<td>$2,930</td>
</tr>
<tr>
<td>EthiCAL Apparel Carolyn Kao</td>
<td></td>
<td>Requesting funding to expand EthiCAL’s influence on student groups and offer EDUN Live t-shirts, designs, and opportunities for fundraising and ethical business practices.</td>
<td>$7,000</td>
</tr>
<tr>
<td>Food Day 2012 Kristen Rasmussen</td>
<td></td>
<td>Funding will cover the cost of hiring of a student intern for organizing Food Day events, event costs, and hiring the GO! Team so that compost and recycling can be offered and promoted at the picnic.</td>
<td>$1,988</td>
</tr>
<tr>
<td>Project Title</td>
<td>Requestor</td>
<td>Description</td>
<td>Budget</td>
</tr>
<tr>
<td>---------------------------------------------------------------</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Getting to Zero Waste: Waste Audits</td>
<td>Claire Evans</td>
<td>CRRS requests funding to standardize and perform week-long waste audits in collaboration with student interns to provide better metrics for UC Berkeley's zero waste plans.</td>
<td>$14,132</td>
</tr>
<tr>
<td>Green Garden Program Intern</td>
<td>Chris Carmichael</td>
<td>UCBG is requesting support from TGIF to fund a student intern who will take a lead in the Integrated Pest Management portion of the program, and who will work with horticultural staff and the compost tea intern to refine and define our organic fertility regimens.</td>
<td>$3,840</td>
</tr>
<tr>
<td>Greening the GA: Online Funding Application</td>
<td>Amanda Ridel</td>
<td>The GA requests funding to establish an online funding application system and prevent paper and ink waste from paper applications.</td>
<td>$41,000</td>
</tr>
<tr>
<td>Installation of Bottle Refill Stations</td>
<td>Trish Ratto</td>
<td>Funding requested for the installation of bottle refill stations which will support campus goals to reduce waste, improve tap water accessibility, and foster a sustainable culture.</td>
<td>$45,300</td>
</tr>
<tr>
<td>Learning and LEEDing at Cal</td>
<td>Tanya Vashchenko</td>
<td>Funding requested to expand the BS@C LEED Intern Program to offer project LEED certification services for campus renovation projects, presently below the threshold required by the campus Policy on Sustainable Practices.</td>
<td>$20,000</td>
</tr>
<tr>
<td>Making the Transition to Safer Cleaning Products at Cal</td>
<td>Mike Wilson</td>
<td>Funding requested to identify cleaning products purchased by the campus that contain asthmagens, endocrine disruptors, and other toxic substances and develop an ingredient disclosure protocol and preferential purchasing system for suppliers of safer cleaning products.</td>
<td>$5,000</td>
</tr>
<tr>
<td>Meatless Mondays</td>
<td>Chris Ackman</td>
<td>Supplies to promote Meatless Mondays</td>
<td>$1,000</td>
</tr>
<tr>
<td>Memorial Stadium Bike Valet</td>
<td>Candice Rankin</td>
<td>The goal of this project is to create a bike valet program for Cal Athletics in time for football season of 2012 to reduce greenhouse gas emissions that result from commuting to the stadium. This bike valet program will count towards point 4.2 of the Memorial Stadium LEED certification checklist and help the stadium become LEED Silver Certified.</td>
<td>$1,005</td>
</tr>
<tr>
<td>Minimizing Hazardous Waste Through Chemical Exchange</td>
<td>Kelley Etherington</td>
<td>This project will reduce the quantity of chemicals purchased by UC Berkeley, reduce the amount of hazardous materials in storage, and reduce hazardous waste disposal and associated costs.</td>
<td>$11,672</td>
</tr>
<tr>
<td>Out Moded</td>
<td>Billy Riggs</td>
<td>Funding requested for survey supplies and student interns for a transportation survey aimed at University Hall garage users with an end goal of helping commuters switch to alternate modes of transportation.</td>
<td>$7,875</td>
</tr>
<tr>
<td>Recycling on Campus Tennis Courts</td>
<td>Annie Goransson</td>
<td>Funding requested for indoor and outdoor recycling bins at the Hearst tennis courts, Channing tennis courts, and the Hellman tennis complex, and for recycling signage.</td>
<td>$1,700</td>
</tr>
<tr>
<td>RSF Hand Dryer</td>
<td>Patti Baba</td>
<td>Funding to pilot four Dyson Airblade Dryers in the RSF main bathrooms and locker rooms</td>
<td>$10,816</td>
</tr>
<tr>
<td>Solar for Greeks and Co-ops</td>
<td>Chris Ackman</td>
<td>Proposal to install PV solar panels on two student cooperatives and one Cal fraternity.</td>
<td>$56,405</td>
</tr>
</tbody>
</table>
### Spring Cleaning Before Eshleman Falls
- **Claire Porter**
- Funding requested for materials and student labor needed to provide education to the building occupants of Eshleman to move-out to instruct them on proper recycling, reuse, and waste disposal to maximize the efficacy of the Eshleman move-out waste diversion.
- $1,500

### Strawberry Creek Planting
- **Katherine Suding**
- Funding requested for supplies and student internships for identifying and planting native species that can resist re-invasion by ivy and still realize the other essential ecosystem services desired by the campus community.
- $9,800

### Strawberry Creek Student Restoration Leadership Program, Phase II
- **Tim Pine**
- Funding requested to expand the Strawberry Creek Student Restoration Leadership (SRL) Program (a component of the Strawberry Creek Restoration Program, SCRP), which will incorporate environmental education outreach, student/community member skill development, and water quality monitoring to prevent pollution of Berkeley’s unique creek while fostering environmental stewardship.
- $18,180

### Student Organic Gardeners to Harvest More Than Just Fruits N’ Veggies
- **Amy Winzer**
- The Student Organic Garden Association requests funding support to build a passive solar greenhouse and a teaching gazebo, both of which will include rainwater harvesting systems for irrigation and expand sustainable education and behavior change efforts amongst Cal students.
- $36,945

### Student Sustainability Resource Center
- **Nolan Pack, Mauricio Castillo, Noah Puni**
- Funding requested for the creation of a Student Sustainability Resource Center to provide unity and continuity amongst UC Berkeley’s environmental organizations, as well as access to resources and tools to facilitate the creation, funding, and execution of projects and policies.
- $65,050

### Waste Not, Want Not: Zero Waste Events
- **Lin King**
- Funding requested to increase campus efforts to hold zero waste events by providing support to Cal Dining, hiring a student intern, and funding medium-sized zero waste campus events.
- $6,475

### Water Conservation in the Greek Community
- **Patrick Smith**
- Greening the Greeks requests funding to establish a water conservation competition in the fraternities and sororities and install various water saving appliances while also educating residents about water waste and efficiency.
- $29,250

### Water Conservation in the Greek Community
- **Patrick Smith**
- Greening the Greeks requests funding to establish a water conservation competition in the fraternities and sororities and install various water saving appliances while also educating residents about water waste and efficiency.
- $29,150

### Wurster Waste Management
- **Eli Perszyk**
- Funding requested to implement a new waste container system in the public lobby spaces of Wurster Hall, home to the College of Environmental Design. These systems would be sets of four 24 gallon containers to handle Trash, Paper Recycling, Bottle and Can Recycling and Compost, assisting Cal reach its waste reduction goal.
- $16,000
<table>
<thead>
<tr>
<th>Project</th>
<th>Funding Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zero Waste Research Center</td>
<td>Kimberly Lam</td>
</tr>
<tr>
<td>Funding requested for a Coordinator and Student Interns to run a Zero Waste Research Center and Plastics Disclosure Project to address the issues surrounding upstream waste that currently prevents UC Berkeley from attaining its zero waste goal.</td>
<td>$26,100</td>
</tr>
<tr>
<td>LATE Project</td>
<td>$11,695</td>
</tr>
<tr>
<td>LATE Project</td>
<td>$57,590</td>
</tr>
<tr>
<td>LATE Project</td>
<td>$29,380</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$779,462</strong></td>
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</table>