

Green Campus 101: Harnessing ENERGY for Change

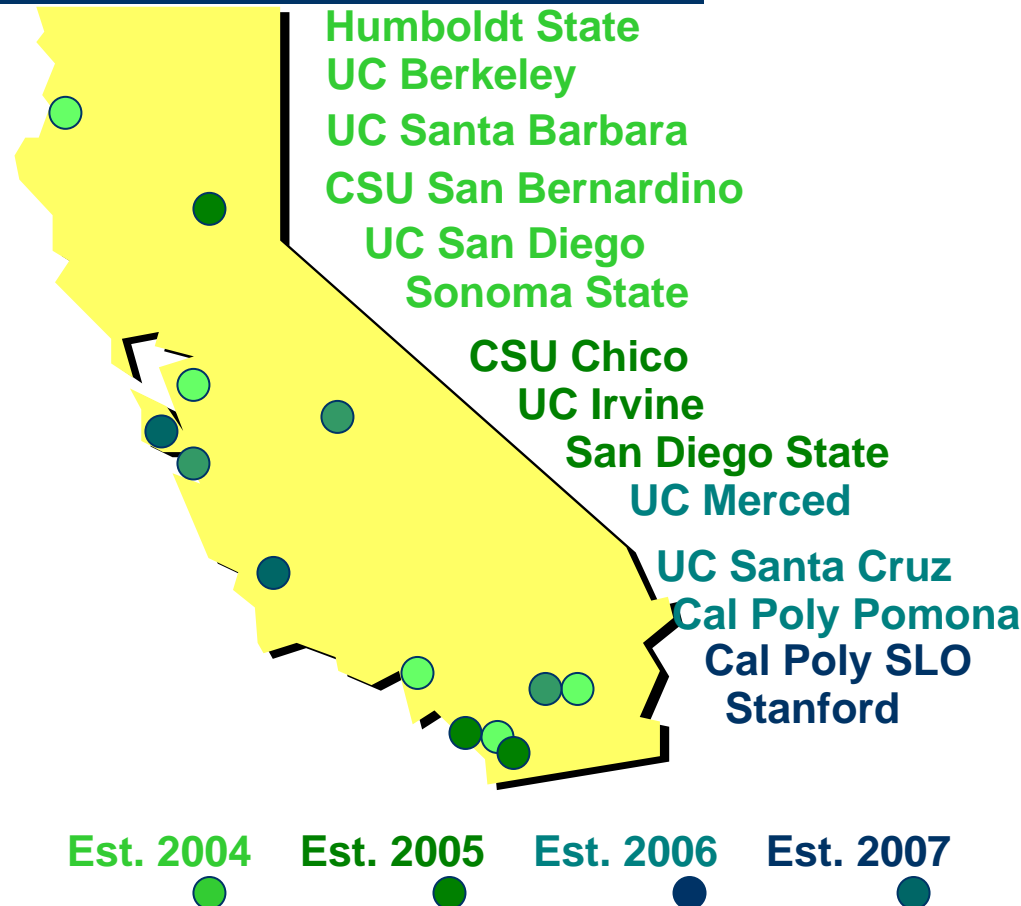
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Program Overview

- Signature Alliance to Save Energy Education Program
- Student Internship Program
- State-wide implementation team





Funders

- One of SCE's Integrated School-Based Programs
- Support from the UC/CSU/IOU/EE Partnership, including the following IOUs:
 - PG&E
 - SCE
 - SDG&E
 - SoCal Gas
- California State University, Office of the Chancellor





Goals



- Measurable energy savings
- Lasting and effective student staff partnerships
- Foster campus awareness
- Energy education curriculum
- Workforce development (!)



Structure & Network



Chico Green Campus Team

- Intra-campus
 - Monthly newsletters
 - Quarterly stakeholder meetings
- Inter-campus
 - Shared database
 - Regional trainings
 - Biannual convergences
- Alumni network



Campus Projects: Overview

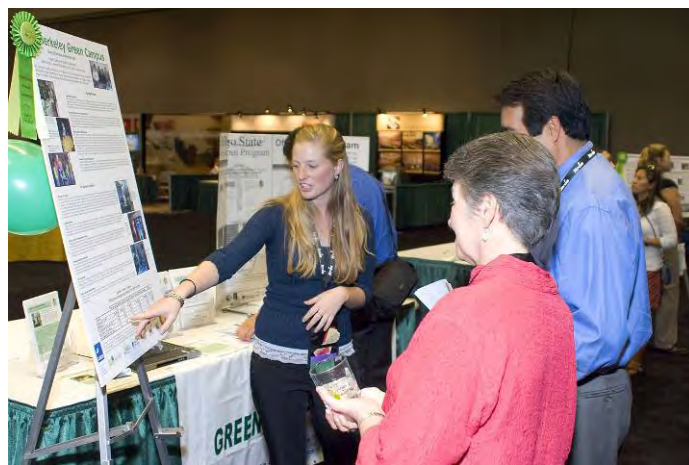
- CFL Exchanges
- Energy Competitions
 - Residence Halls
 - Laboratories (Fume hoods)
- Referendums/Resolutions
- Academic Courses and Assignments
- Office Energy Assessments
- Network Based Power Management
- Emerging Technology Pilots





Case Study: Academic Courses

- Locations: UC Berkeley, Humboldt State, Chico, San Diego State, Cal Poly SLO, UC Merced
- No. of students: 10-35
- Research-based and/or technical skills training





Case Study: Assignment- Phantom Hunter Video

- Location: Humboldt State
- Awards: Top 5 Grist List
- Screenings: academic courses, trainings, etc.

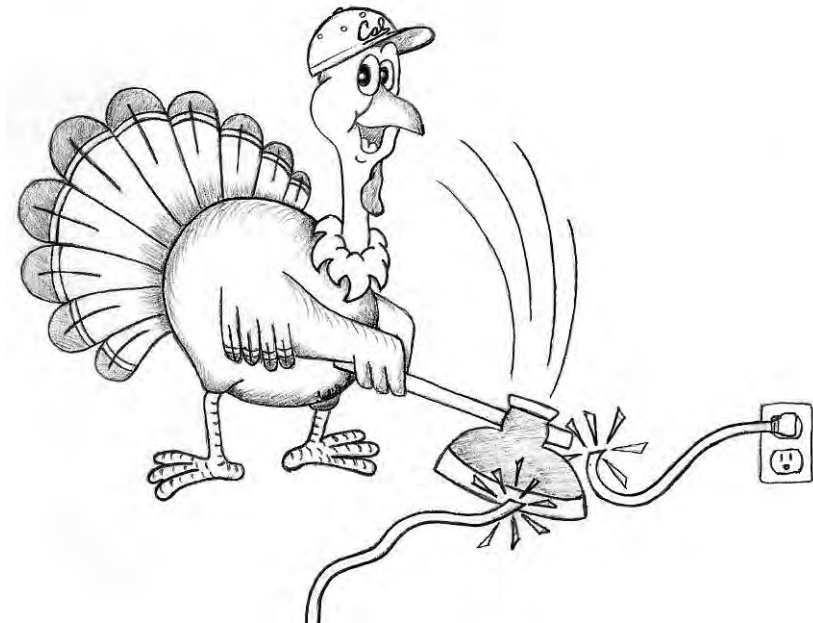
<http://www.humboldt.edu/~reslife/information/green-campus-presents-the-phantom-hunter/>





Case Study: Office Energy Assessments

- Locations: Humboldt State, CSU San Bernardino, San Diego State, UC San Diego
- Total Annual Savings: 244,841 kWh per campus
- Process:
 - Behavioral surveys
 - Walk through assessment
 - Recommendations





Case Study: Network Based Power Management

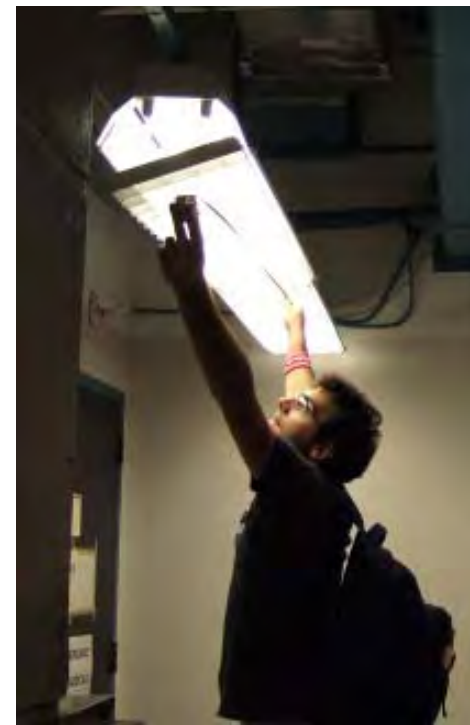
- Location: Chico State University (and others)
- Total Annual Savings: 270,000 kWh/campus
- Rebate collected: \$48,444





Case Study: Lighting Retrofits (Bi-level Lighting)

- Location: Stanford, SDSU, UCSD, UCI, UCSC, Berkeley, CSU Chico
- Total Annual Savings: 165,000 kWh per campus
- Process:
 - Assess feasibility
 - Make recommendations, including locations





Thank you!



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I consider our interns to be an extension of my position as campus energy manager.

- Dennis K. Elliot, Manager of Engineering and Utilities, Facility Services- Cal Poly SLO