



The PowerSave Campus Program presents

GREEN 101

What is the PowerSave Campus Program?



PowerSave Campus Background

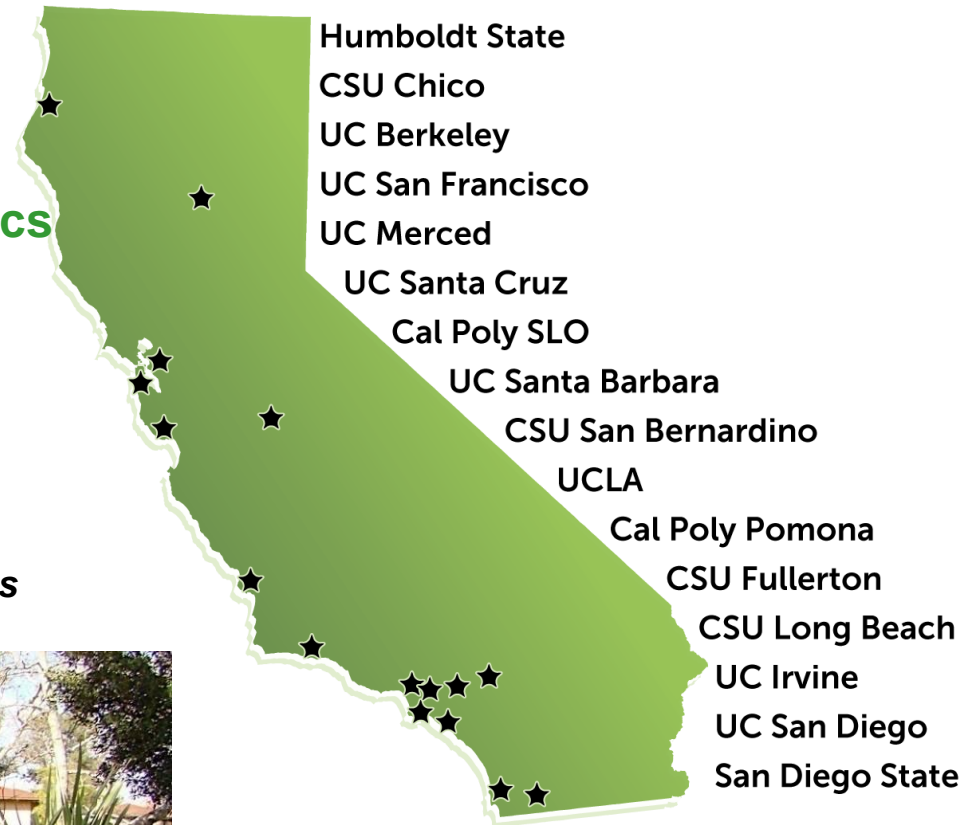
"PowerSave Campus is a Signature Alliance to Save Energy Education Program"

Objectives & Goals

- Builds Pathways to **Green Careers**
- Infuses Energy Efficiency into **Academics**
- Realizes Measurable **Energy Savings**
- Promotes Energy Efficiency through **Outreach**

HOW do we accomplish all of this?

A Statewide Implementation Team of Student Interns



ALLIANCE TO
SAVE ENERGY

Creating an Energy-Efficient World

CPP Power Campus

Cal Poly Pomona Power Campus

- Established January 2007
- 4 student intern project coordinators
- George Lwin, Energy Services Manager serves as advisor

This Program is funded by the ratepayers of California under the auspices of Southern California Edison, SDG&E, Southern California Gas Company, Sempra Energy, and PG&E.





GREEN

What is Sustainability all about?

“Going Green” Trend

There are a lot of ideas about going green...But which one is right?



Defining Sustainability and “Going Green”

Sustainability is a new way of thinking about an age-old concern: ensuring that our children and grandchildren inherit a tomorrow that is at least as good as today, preferably better. We want to make sure that the way we live our lives is sustainable - that it can continue and keep improving for a long, long time.

-Sustainable Seattle



What's the Big Deal with Energy?

Energy production and use account for nearly 80 percent of air pollution, more than 83 percent of greenhouse gas emissions, and more environmental damage than any other human activity.

Source: Harvard University



Energy has the largest impact on our planet!



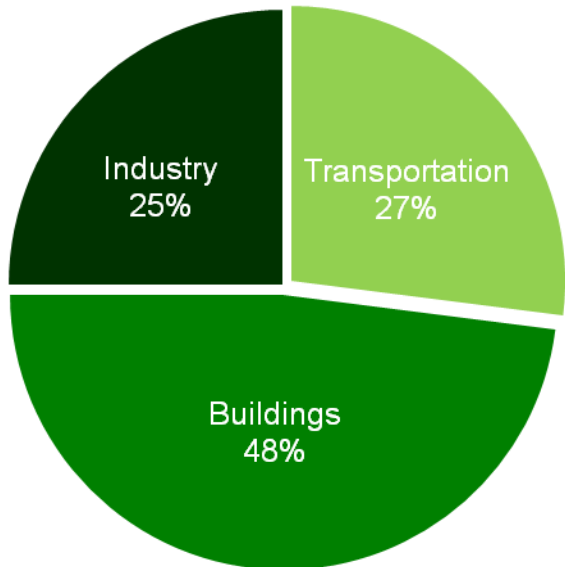
Imagine if there was NOT ENOUGH ENERGY!



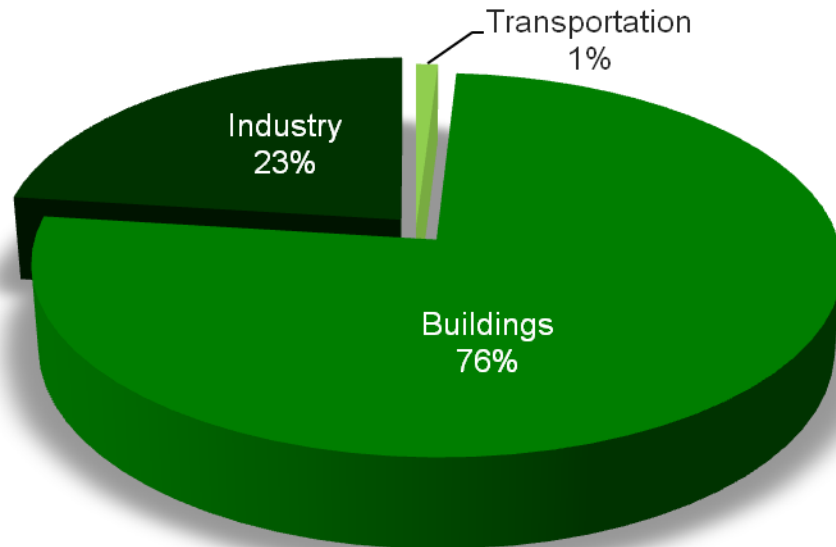
- . . . there would be no light to turn on when it got dark
- . . . there would not be any hot water for the shower
- . . . no air conditioning in the scorching hot summer
- . . . no heating in the cold winter
- . . . no gas or oil to drive the car

How does Energy in Buildings relate to us?

United States
CO2 Emissions



United States Plant
Generated Electricity



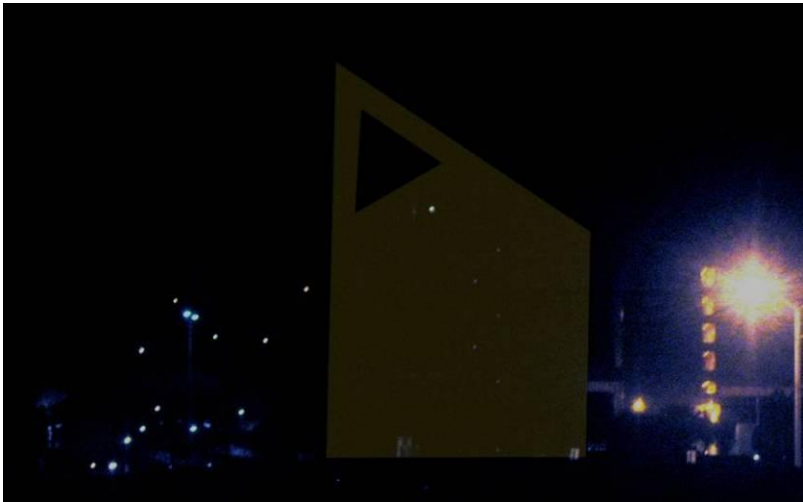
Buildings use
76% of all plant
generated
Electricity!

Source: ARCHITECTURE 2030 U.S.
Energy Information Administration
statistics. Graphic reproduction
based on Metropolis US CO2
Emissions Magazine, October 2003
Issue.

If we change our habits in the way we use our buildings, homes, and offices we can make a huge difference!



One Building can make a Difference!



In 2007, the PowerSave Campus Program collaborated with the University President to turn off the lights for the CLA building during Earth Hour.

Incentives & Benefits

How can going green help me personally?

- ☐ Monetary Savings
- ☐ Conserve Resources
- ☐ Better Environment
- ☐ Healthier Lifestyle
- ☐ Future Generations



How can we start taking advantage of these benefits?



Look at what Cal Poly
Pomona Broncos are doing
to go green!



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Sustainability Assessment + Certification





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Sustainability in the Office



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Sustainability Assessment + Certification



What is Green Space?

The user-friendly sustainability assessment and certification program for departments and offices

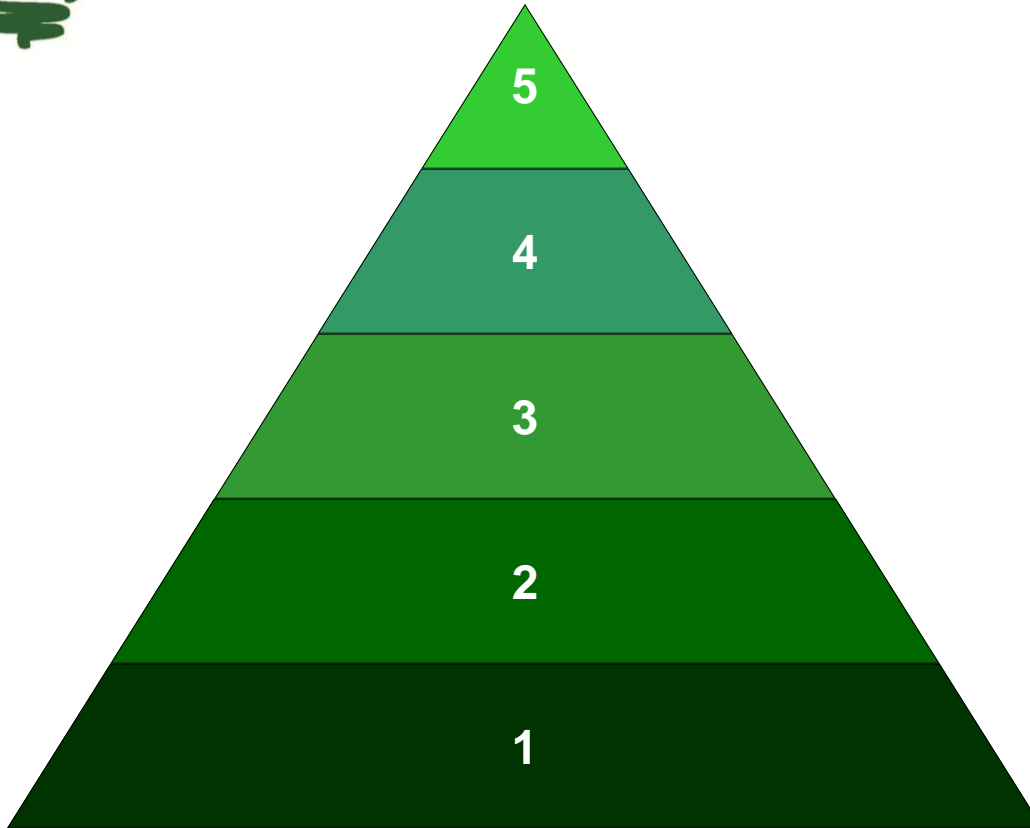
- *The overarching goal is to **MOTIVATE**, **EDUCATE**, and **REWARD** entities on the Cal Poly Pomona campus for outstanding efforts to lower their environmental impact*





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Sustainability Assessment + Certification

There are 5 easy steps to becoming a green office!

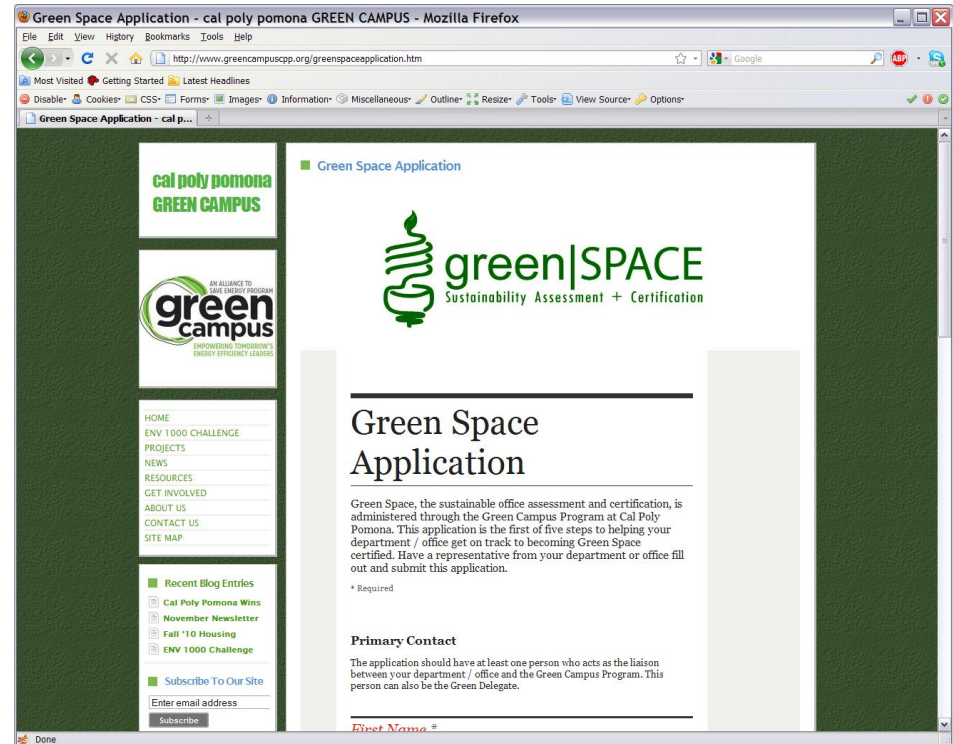


- 1. Application**
- 2. Prerequisites**
- 3. Assessment + Checklist**
- 4. Verification**
- 5. Certification**



Application

- The easiest way to get started is to have a representative from your department or office fill out and submit the Green Space application.
- This can be done online through our website on the “Green Space” webpage under “Resources.”

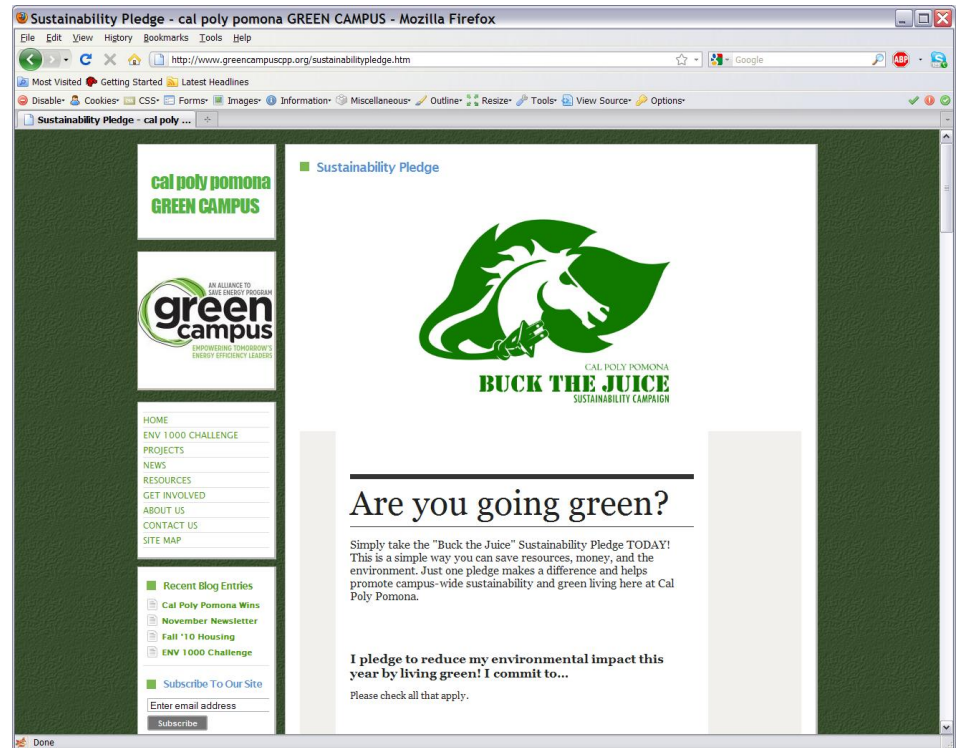


Prerequisites

- There are three important prerequisites that will get your office on the road to certification.
- These help **EDUCATE** and **MOTIVATE** those in the office!

Prerequisites

1. Appoint a Green Delegate to represent the office. Have a quarterly meeting to discuss green goals, certification, etc.
2. Have 75% of office staff view the “Green 101” presentation and take the online quiz
3. Have 75% of office staff participate in the online sustainability pledge




Assessment + Checklist

A user-friendly Assessment Checklist helps you go through your office to assess and document your current sustainable practices and how you can improve them

7 Sustainable Categories

- Energy
- Waste
- Transportation
- Purchasing
- Food + Dining
- Networking + Awareness
- Innovation





Cal Poly Pomona Green Space Assessment Checklist

Please use this checklist for your office's personal use only. The purpose of this printable version of the checklist is to assist you when conducting the assessment as well as filling out your final online Assessment Form submission. This can also be found on our website at: <http://www.greencampuspp.org/greenspace.htm#670137845>.

Prerequisites

☐ Department should have at least one Green Delegate (this could be you or the person submitting the application) that represents the department or office. The Green Delegate should meet at least quarterly with the department/office to inform, discuss green goals, certification progress, offer training, delegate tasks, etc.

Description/Documentation:

☐ At least 75% of the department or office must review or see the "Green 101" presentation and take the online quiz. Both can be accessed through our website at: <http://www.greencampuspp.org/greenspace.htm#670137845>.

Description/Documentation:

☐ At least 75% of the department or office must commit to go green by participating in the online Sustainability Pledge. This can also be accessed through our website at: <http://www.greencampuspp.org/sustainabilitypledge.htm>.

Description/Documentation:

Energy (20 points possible)

☐ There are no CRT monitors in use by the department or office. Please provide the total number of monitors. This includes CRT and LCD flat screen monitors (For a definition of CRT, see "Glossary," in Resource Guide). (1 point)

Description/Documentation:

☐ Department or office has conducted an appliance audit and eliminated any unnecessary personal refrigerators or other appliances AND/OR there are no refrigerators older than 7 years in use by the Department (Energy Star rated appliances are appropriate). (1 point)







Description/Documentation:

☐ Department or office shares information on building energy usage with all employees at least quarterly (Facilities Management & Planning can provide this information). (1 point)

Description/Documentation:

☐ Department or office utilizes power strips and organizes them for easy accessibility. These are turned off at night to prevent "phantom loads" (See "How to Organize Power Strips," in Resource Guide). Please note that programmed phones should be plugged into their own power strip or surge protector and not turned off at night, as many need to be reprogrammed. Phones are plugged into surge protectors strictly to keep them working after a power outage and power return. (1 point)

Description/Documentation:



Verification

- After submitting the online Assessment Form, a team of PowerSave Campus Program Coordinators will schedule a time to come to your office to verify your assessment and application
- A review meeting may be scheduled to address any questions and/or discuss minor modifications needed for certifications



Certification

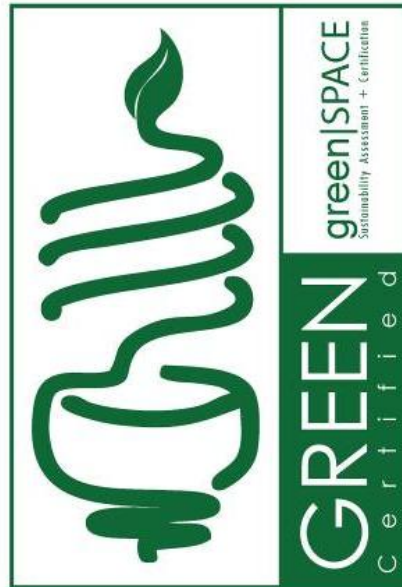
- The number of points your office achieves from the assessment checklist will determine the level of certification your office receive

Certification Levels

Green (40+ points)

Silver (35+ points)

Bronze (30+ points)



Recognition

Your department / office will be widely recognized across campus for achieving certification.

- Green Pastures monthly newsletter (circulation +3,700)
- PowerSave Campus website
- Certificate of Achievement

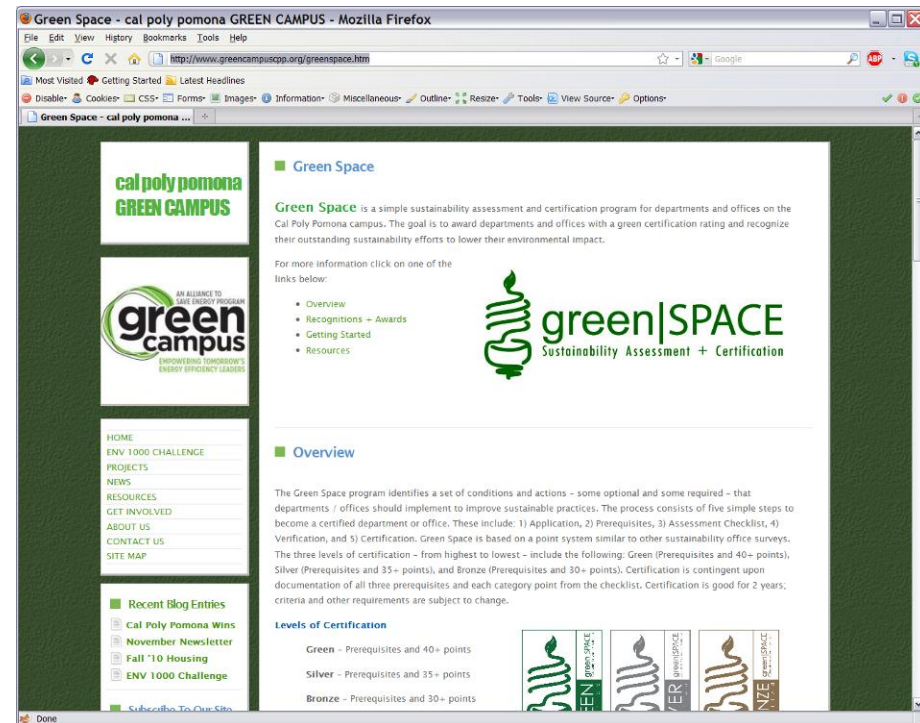


Tools for Success

To make your job easier, PowerSave Campus has provided you with all of the tools you will need on the Green Space webpage. Visit: <http://www.greencampuscpp.org/greenspace.htm>

Look for these great tools for success

- Resource Guide
- Printable Assessment Checklist
- Sustainability Pledge
- Educational Videos
- Green 101 Quiz
- Online Application
- And much, much more....





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Sustainability Assessment + Certification



"The nation behaves well if it treats the natural resources as assets which it must turn over to the next generation increased, and not impaired in value."

-Theodore Roosevelt, 1910





Thank You!

Don't forget to take the Green 101 Quiz...

Visit:

www.greencampuscpp.org/greenspace.htm

For Questions Contact:

GreenCampus.CPP@gmail.com