



Using Campus Efficiency
Projects to Engage
Students:











A Green Campus Program Perspective

## What is the

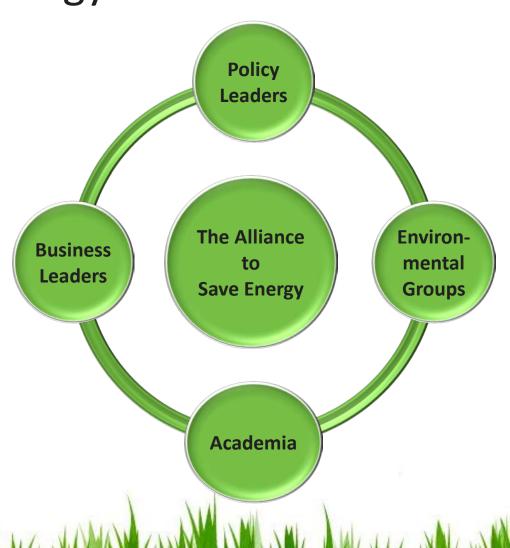
## Alliance to Save Energy?

#### Mission:

To promote energy efficiency worldwide to achieve a healthier economy, a cleaner environment, and greater energy security.

#### **Organization:**

- Staffed by 80+ professionals
- 33 years of experience
- \$12 million annual budget
- Recognized as the premier energy efficiency organization in the world



## Green Campus Overview

- ■16 campuses
- Student driven workforce education and training program
- Paid student internships
- Funded by CA IOU's
- **LACCD** (2009-2010)
  - West Los Angeles
  - ■East Los Angeles
  - Los Angeles Southwest













## **Energy Efficiency?**

#### What is it?:

 Defined as "using less energy to provide the same service". Also tied to energy conservation which is "reducing or going without a service to save energy." (LBNL)

#### Why energy efficiency?:

- Less energy=less energy generation= less environmental impact (GHG)
- Low hanging fruit
- Quick, fast, cheap
- Saves \$\$\$!!
- Also good way to engage students in something that leads to cost savings on campus!

# Program Pillars

**Green Careers** 

Academic Integration

**Educational Outreach** 

Measurable Energy Savings



## Green Career Panels

Wednesday Mid-Day Lecture/Training Seminar

The LASC Green Campus interns invites you to one of its lecture/training seminar with three of the major local sustainable companies. This Wednesdays Mid-day Lecture/Training Seminar will explore a wide-range, as well as apply a few interdisciplinary ideas about sustainability, energy efficiency, urban design and planning, as well allowing you to get a hands-on experience using the equipment that these professional use on a daily bases.

2010

#### May 19 12:00 pm SSC 223A

Solar City





regulatory process, along with financing options, if needed, remove the



#### General Electric

GE has a strong set of global businesses in infrastructure, finance and media aligned to meet today's needs, including the demand for global infrastructure; growing and changing demographics that need access to healthcare, finance, and information and entertainment; and environmental technologies.



\*\*\*Get up-to-speed on cutting-edge technologies and learn some ways to become more energy efficient by attending this free brown bag lecture/training seminar over the lunch hour!

- This seminar is FREE for all and you do not need to register for them.
  This seminar is hands-on and there will be lots of time for questions and interaction with the speaker









## **Tabling Events- LACCD**

Energy awareness activities and flyers to educate and engage students, faculty, and staff.





Take the Stairs Day
Earth Day Pledges
Trivia Games/Prizes
Educational Flyers

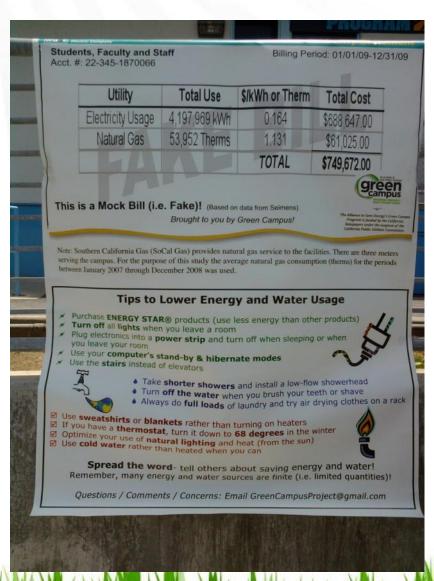
**Student-Student Interactions!** 

### **Educational Materials-LACCD**

First ever Best Practice Award for Student Energy Efficiency in the CC category (West Los Angeles College-2010)







## Energy and/or Lighting Assessments

1.Survey lighting or office occupants

2. Identify low or no cost upgrades

3. Submit report and follow up





WLAC Thermal Imaging:

29,000 kWh/year; \$3,770, 20,000 lbs CO2 ELAC Parking Garage Lighting:

31,500 kWh/year; \$4,100, 21,000 lbs CO2

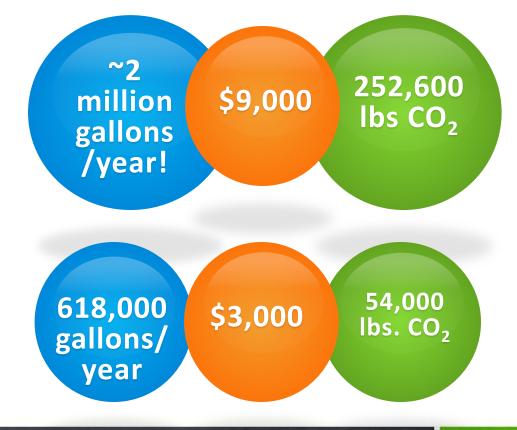
# **Estimated Annual Potential Savings**

150 aerator installations (\$2-4 each)

- •0.5gpm fixture retrofit
- •ELAC

66 Flow Control Valves (\$5-10 each)

- Controls sink faucet flow
- •LASC



# Thank you!



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