

Chicano Studies Department

Sustainability & Climate Action Plan

Composed and Presented
By PACES

2018

Overview

- This presentation illustrates the findings from the assessment the PACES (Program for the Assessment and Certification for the Environment and Sustainability) Program completed and includes recommendations for future action.



Transportation

Areas of Leadership

- **40%** of survey respondents commute using an alternative to single-occupancy vehicles
- **25%** of employees that attend conferences opt for video call to reduce long distance travelling
- **100%** of building staff are knowledgeable about **TAP** and **50%** of building staff participate in the program

Transportation

Areas of Improvement

- Increase the number of employees that opt for alternative transportation
 - Bike
 - Bus
 - **Carpool**
 - **Goleta Commuter Rail**
- Engage faculty in events like CycleMAYnia

Transportation

Areas of Improvement

- Register a team for CycycleMAYnia!
 - Visit www.cyclemaynia.ning.com
 - Register and request membership at www.lovetoride.net
 - Up to 8 team members



UCSB CYCLEMAYNIA

Get ready for this year's
Bike to Work Challenge!

Find team members
Register for the competition
Learn more about our events

www.facebook.com/ucsbcyclemania



MAY 2

KICK-OFF
POTLUCK

MAY 9

BIKE TO
UCSB DAY

MAY 31

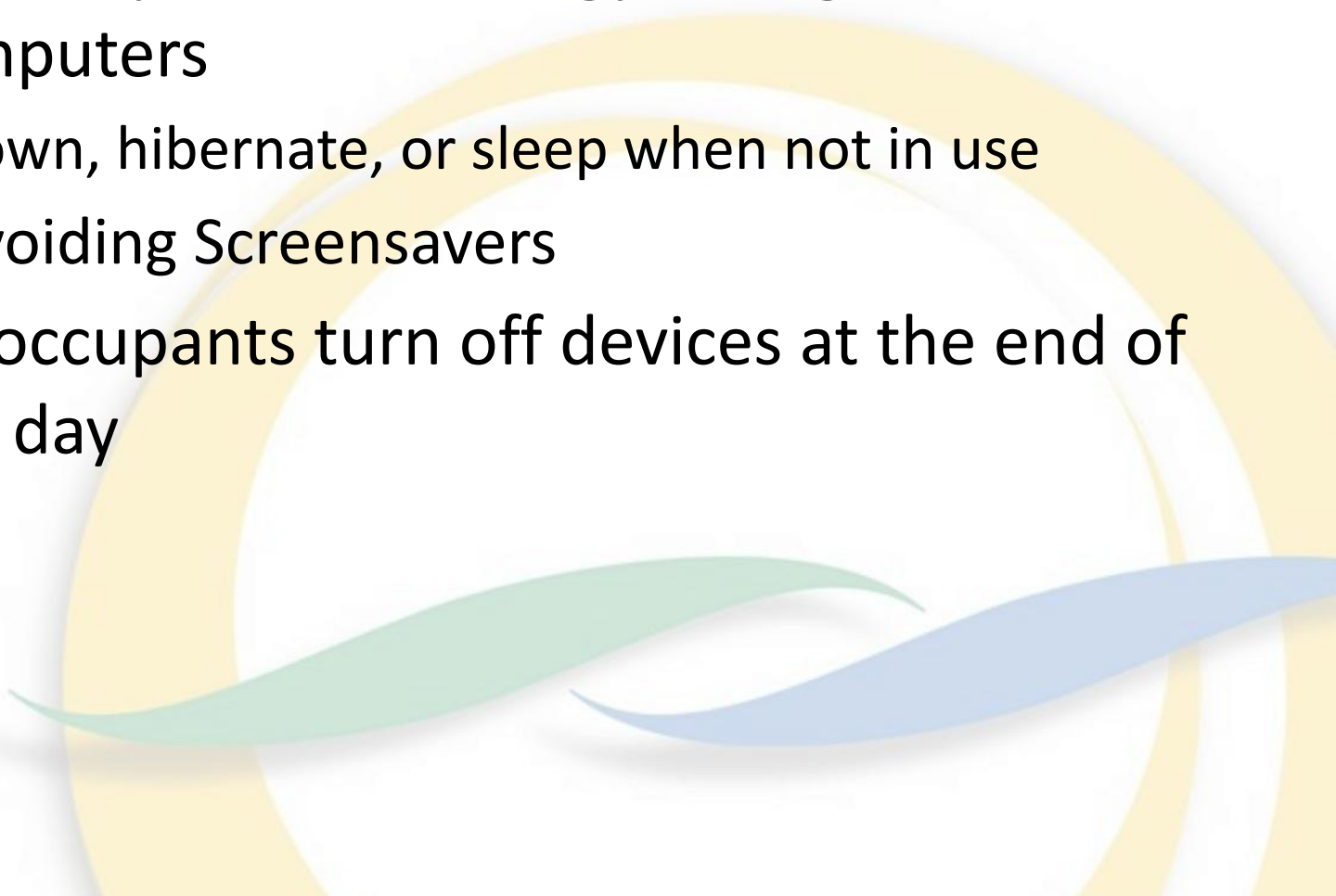
GOLETA
BEACH BBQ



Fund for the
Associated
Students
Finance &
Business
Committee
ucsb.asfc.edu

Energy and Atmosphere

Areas of Leadership

- **100%** of occupants use energy saving features for their computers
 - Shut down, hibernate, or sleep when not in use
 - **91%** avoiding Screensavers
 - **100%** of occupants turn off devices at the end of the work day
- 

Energy and Atmosphere

Areas of Improvement

- Set your computers to more *efficient* energy saving features
 - Set computer to hibernate, not sleep
 - Enable “Energy Savings Mode”
 - **50%** of the department does not reduce brightness on screens



Energy and Atmosphere

Areas of Improvement

- **43%** of employees report **never** unplugging devices while away from desks
 - **39%** report “Always” or “Sometimes”
 - Plug devices into a central power strip to easily power off devices
 - Utilize Smart power strips
 - PACES can provide signage to put around light switches and appliances to remind staff to power off and/or unplug lights and electronic appliances when not in use to avoid “vampire” plugs

Energy and Atmosphere

Areas of Improvement

- **50%** of employees indicated that they frequently use natural daylight from windows rather than overhead lights
 - Add reminder signs/signage for rooms without automatic light controls
 - Use as much natural lighting as possible, if not contact Julie McAbee for task lamps



**Every Watt Matters
Please Turn Off
When Not In Use**



Energy and Atmosphere

Areas of Improvement

- Eliminate personal appliances
 - Mini Fridges, personal coffee makers, personal heaters, and fans
 - Regularly communicate temperature needs to Building Operations and/or Facilities
 - If the building is not performing adequately, use Energy Star rated fans, heaters, and air purifiers





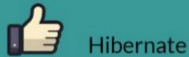
POWER MANAGEMENT GUIDE

Set computer to hibernate, not sleep



Sleep

When a computer is set to sleep, it does not shut off completely and actually continues using power.



Hibernate

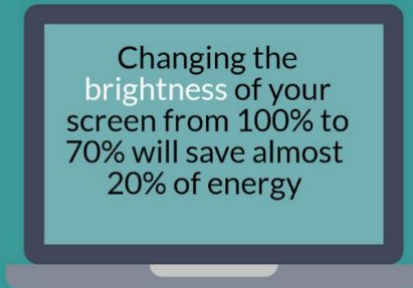
When a computer is set to hibernate, it saves documents to a temporary disk and completely shuts down. This option is best for temporarily leaving your computer during the work day. Configure your PC to hibernate after 15-30 minutes of inactivity.



Shut Down

When a computer is shut down, it closes all applications and completely turns off. Shutting down your computer at the end of the day is recommended.

Decrease brightness of your computer screen



Disable Screen-Savers

Instead, configure your PC to turn off the screen after 5 minutes of inactivity. This saves around \$25 to \$75 every year.



Enable Power-Savings Mode

Power-Savings mode will take automatic steps to significantly decrease energy usage. There are many options within power-savings mode, make sure to check all of them.

- ✓ Put hard disks to sleep when possible
- ✓ Slightly dim the display while on battery power
- ✓ Enable Power Nap while on battery power



POWER MANAGEMENT GUIDE

Run Windows Power Troubleshooter

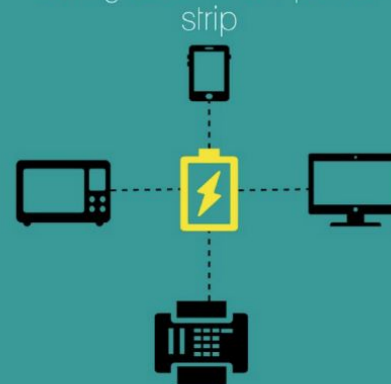
The power Troubleshooter will look for any power-draining processes and fix them. To do this, go to Control Panel and search for "troubleshooter". Then click "view all" on the left-hand side and select "power". Go through the steps and the troubleshooter will run.



Work on a laptop instead of a desktop computer



Plug electronics into an easily accessible power strip



Eliminate Vampire Power



Some Electronics still consume electricity when they are plugged in.

Unplug electronics when they are not in use to reduce energy waste.

Material and Resources

Areas of Leadership

- **98%** of office supply purchases are completed electronically through Gateway
- Use of 30% and 100% post-consumer recycled-content multiuse paper
- **50%** of employees use Eco-Clam shells



Material and Resources

Areas of Improvement

- **50%** of occupants that purchase materials do not request ENERGY STAR rated appliances
- **50%** use disposable cutlery and dishes in the kitchen
- Purchase certified green cleaning products (offered free from UCSB custodial services)

Reliable Certifications



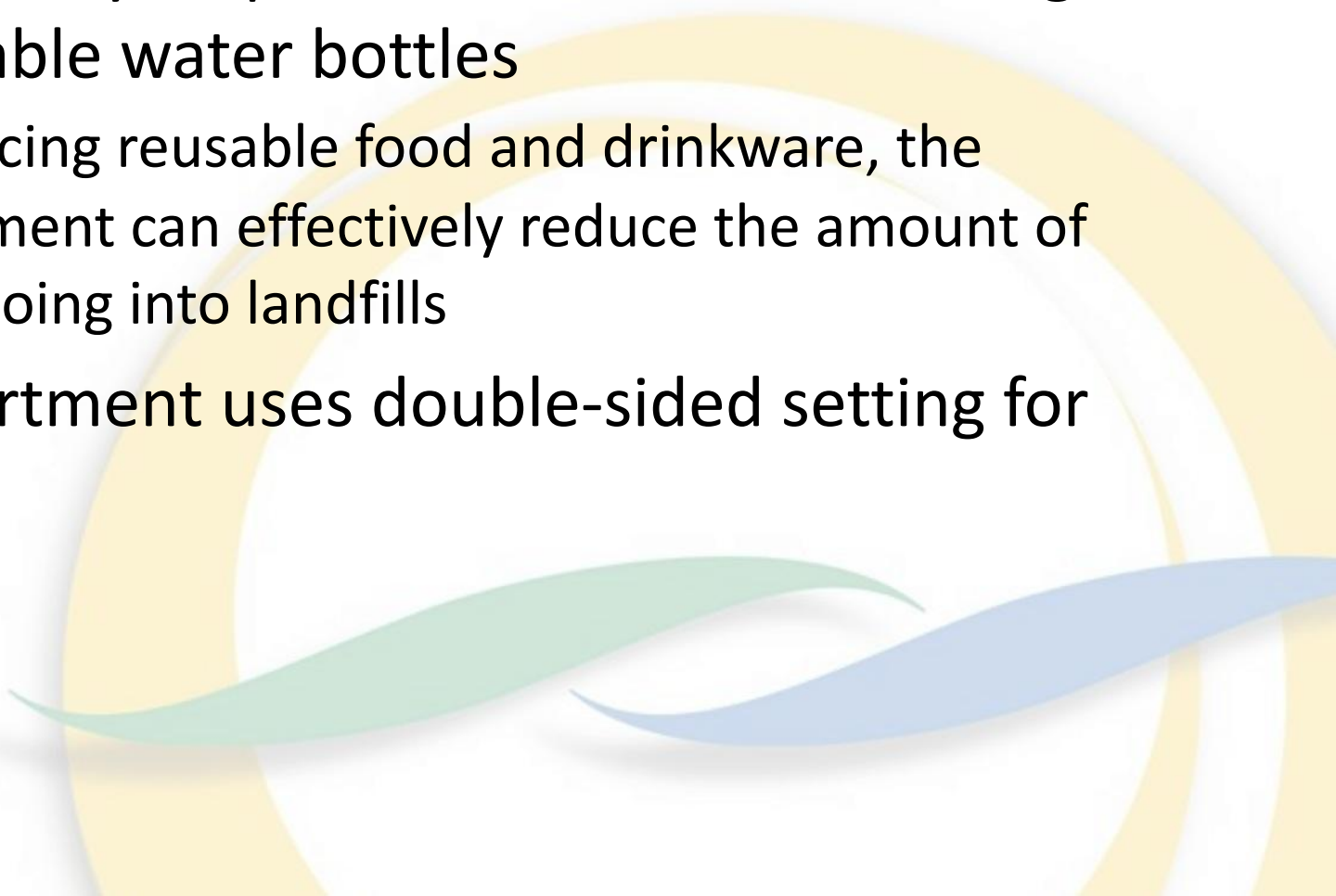
epa.gov/saferchoice



ASTM D 6400
USA

Solid Waste Management

Areas of Leadership

- **50%** of survey respondents use reusable mugs and reusable water bottles
 - By sourcing reusable food and drinkware, the department can effectively reduce the amount of waste going into landfills
 - The department uses double-sided setting for print jobs
- 

Solid Waste Management

Areas of Improvement

- Monitor the number of prints
- **Pair** all trash and recycling bins
- **42%** of employees desire clarification on e-waste
 - Sort waste properly by increasing signage
- Introduce new solid waste management programs
 - Stationary recycling (Terracycle)
 - Composting (Building and Events)

Starting your

Pen, Pencils, and Markers Zero Waste Box

Terracycle offers a recycling program for stationary products. This guide outlines the steps to recycling your department's pens, pencils and markers. The collected waste is mechanically and manually separated into metals, fibers, and plastics. Help divert your office's waste and purchase a collection box with Terracycle that can last all year!

These are the steps:



#1 Purchase a collection bin

Purchase a collection bin directly from Terracycle. You can also purchase a collection bin directly from Staples and save 15% off.

<https://tinyurl.com/ycyt1qff>

<https://tinyurl.com/yan5ve7t>



#2 Market program

Place the bin in a central area of the office so that employees can conveniently place items when its time for disposal. Print out informative posters next to the collection bin to introduce the TerraCycle recycling program to staff.



#3 Collect items

A collection bin helps engage your department and keeps your collection clean and organized. It is important that the department clearly communicates which waste can be placed into the collection bin. Below is a list of items that are accepted by the program:

- Discarded pens
- Pen caps
- Mechanical pencils
- Markers
- Marker caps
- Permanent markers
- Permanent marker caps



#4 Ship to Terracycle

Once full, bring your box to any UPS location to ship your items back to TerraCycle using the pre-paid UPS shipping label which is already affixed to your box. Ship your shipment box through UPS. The nearest UPS location is 3.8 miles away from UCSB.

5662 Calle Real,
Goleta, CA 93117
(805)-967-2933

M-F 8AM-6PM
Sat 9AM-5PM
Sun Closed

Waste and Recycling Guide



Electronic Waste Disposal



In California, it is illegal to throw away some electronics such as batteries and cell phones because of the toxic chemicals they contain. Because of this, AS Recycling has created over 40 e-waste bins on campus where you can safely throw away your electronics. For an interactive map of e-waste bin locations, check out the UCSB Interactive Map. Click the the "Layers" tab then select the "Waste Infrastructure" option. The yellow dots indicate e-waste bin locations.

What is Accepted

- Anything with a power cord or battery
- Handheld devices and small appliances
- All types of batteries
- Ink and toner cartridges
- Disk, tapes, and cassettes
- CFL light bulbs (ONLY in light bulb bins)

What is NOT Accepted

- Smoke detectors
- For items that cannot fit in e-waste bins, contact Central Stores at (805) 893-2732 for pickup
- For questions regarding service or large items and special pick-ups, please call A.S. Recycling at (805)-893-7765

Hazardous Waste Disposal



There are some items that contain dangerous chemicals that cannot be thrown in regular trash. These items are called hazardous waste. Environmental Health & Safety offers cost-effective option to get rid of dangerous chemicals and allows disposal of up to 125 lbs of hazardous waste for Santa Barbara/Goleta households for free. Here are some things that are considered hazardous waste. Remember, it is illegal and unsafe to put hazardous waste in the regular trash.

What is Accepted

- Paints
- Stains
- Paint Thinner
- Solvents
- Automotive Fluids and Filters
- Pesticides and Fertilizers
- Cleaners
- Batteries (these can be put in e-waste bins)
- Aerosols
- Glues
- Corrosives
- Pharmaceutical Waste

Water

Areas of Leadership

- **95%** of employees knew how to report a leak or water waste situation
- **83%** indicated that they report leaks when discovered
- Employees are advised to contact their department MSO to bring the leak to the attention of facilities management



Indoor Environmental Quality

Areas of Leadership

- Many of the office spaces have been ergonomically analyzed
- Launched campaign to eliminate tobacco smoke around building
- All potential pollutants and office equipment are kept away from food preparation and storage areas

Indoor Environmental Quality

Areas of Improvement

- About half of staff eat lunch at their desk more than 3 times a week
 - Refraining from this will decrease the chance of pests in the workplace and use of chemicals
- Purchase indoor plants for air filtration
- Use certified products when cleaning personal and public work stations

Human Health

Areas of Improvement

- Introduce opportunities to improve building occupant health:
 - UCSB Recreation
 - FitSQUAD
 - UC Walks
 - Take the Stairs Campaign

UC Walks Ginnie Thomas

This is a one-day event for all UC locations, held in May, encourages everyone who is able to get out & walk around our beautiful campus. Give-aways and prizes provided by Kaiser and other staff & faculty health plans.

Gthomas@housing.ucsb.edu

Cycle MAYnia Denley Rodriguez

Sign up your department to participate in Cycle MAYnia by forming teams to earn points at the many different events around SB. This year during May HCN will be planning a bike and bike safety event for staff appreciation week!

Denrod02@gmail.com

FitSQUAD Michelle Leachman

Yoga, stretching and light exercise tutorials three times daily on campus for staff faculty and students to get a 15 minute exercise break in their day.

Michelle.Leachman@recreation.ucsb.edu

Organize a Fidelity Workshop

Invite fidelity to offer a financial workshop for staff in your department tailored to the needs and interests of your colleagues.

Stacey.Eymann@sa.ucsb.edu

Take the Stairs! Taylor Yeerong

Encourage your department to check out each new mural creating by our Art department inside the stairwells of BREN, PSBN, HSSB, Webb Hall which will be finished in Spring.

YositaYeerong@umail.ucsb.edu

UCSB Labyrinth and Campus Lagoon

Organize a potluck lunch at the UCSB Lagoon lawn. From there you can walk to West depression a 1 acre coastal dune habitat area between Manzanita Village restoration site and Lagoon Island. Next head over to walk the UCSB Labyrinth and visit the tide pools at campus point. CCBER also hosts free walking tours here!

Davis@ccber.ucsb.edu

Office Fitness Tracker Kristyn Keylon

Set up a themed poster in your offices main lobby that can track your colleague's daily fitness. Staff may color in a square for every 30 minutes of activity they do daily! This is a visual representation that will help motivate staff to work as a team to progress the tracker!

Kristyn.Keylon@sa.ucsb.edu

Overall...



PACES Scorecard

PACES uses the PACES Scorecard as a point system to keep track of the department's practices and to gauge the overall environmentalism of the whole department.

- 8 sections:
 - Transportation
 - Energy and Atmosphere
 - Materials and Resources
 - Solid Waste Management
 - Food Systems
 - Water
 - Indoor Environmental Quality
 - Communication and Training
- Bronze **25%**
- Silver **50%**
- Gold **75%**
- Chicano Studies
35/89 (40%)

Congratulations!

The Theater and Dance department is

Bronze

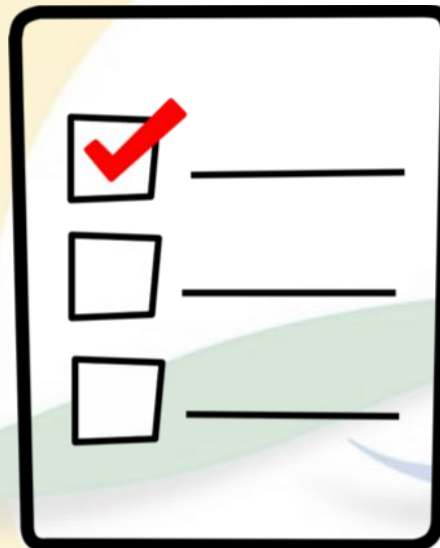
Certified



Next Steps...

The background features a large, light yellow arc that curves across the top and right sides of the frame. Below this arc, there are two wavy, ribbon-like shapes: a light green one on the left and a light blue one on the right, both curving upwards towards the center.

PACES Assessment Checklist



Transportation

- Prioritize the possibility of video conferences rather than meeting for conferences

Energy and Atmosphere

- Set at least 90% of departmental computers, monitors, and other devices to energy saving modes (Refer to power management guide)
- Have at least 30% of the department unplug devices on a semi-regular basis or turn off power strips
- Require the purchase of Energy Star certified equipment
- Use natural lighting or task lighting instead of overhead lighting
- Post reminder signs near light switches for spaces without occupancy sensors
- Eliminate miniature refrigerators

Materials and Resources

- Educate department on electronic, furniture, and hazardous waste management
- Replace 30% post consumer recycled paper (PCR) with 50-100% PCR
- Continue requesting ENERGY STAR appliances and products like computers, copiers, fax machines, printers, scanners, and water cooler
- Purchase task lamps to reduce the amount of overhead lighting
- Purchase biodegradable utensils
- Purchase products manufactured within 500 miles of UCSB
- Purchase products with green certification

Waste Management

- Implement pen recycling program and notify all departments within the UCSB Library
- Replace paper cups with reusable cups for public water dispensers
- Encourage department to use reusable water bottles
- Continue the reusable washcloths protocol
- Minimize the amount of waste from paper consumption by reducing print runs
- Make sure there is a paired recycling and trash bin in kitchen areas

Food

- Choose sustainable, local, fairtrade, and organic options when catering or purchasing food for small office events for at least 1 meal

Indoor Environmental Quality

- Limit the amount of times you eat at your desk in the week to increase worker productivity and control the presence of pests
- Use all-purpose green chemical provided by facilities for cleaning office space rather than lysol wipes (under materials and resources?) or other Green Seal certified cleaning products
- Encourage department to participate in exercise programs and activities

Communication and Training

- Provide sustainability resources and information through a bulletin board or electronic listserv
- Incorporate sustainability information into staff meetings

Earn Silver Certification!

The department can reach **Silver certification** by modifying their operations by:

- Enabling energy saving measures on more than 90% of departmental computers
- Having at least 50% of the department unplug devices on a semi-regular basis or turn off power strips
- Posting reminder signs in at least 60% of departmental managed space
- Making sure at least 75% of surface cleaners that are Green Seal certified
- Replace 30% post-consumer recycled content (PCRC) paper with 50% PCRC

Thank you

For questions, comments, or inquiries, please contact:

Andrew Lee

PACES Green Office Coordinator

andrewclee@umail.ucsb.edu