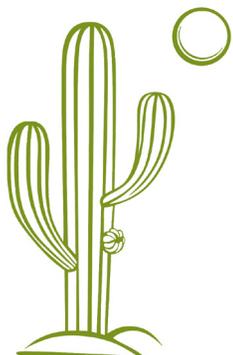
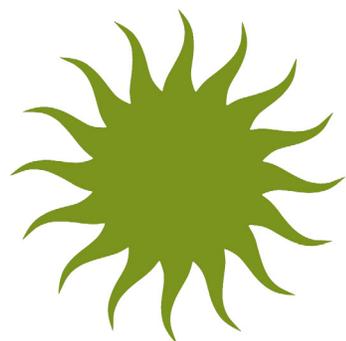




THE GREEN GUIDE

A RESOURCE FOR SUSTAINABILITY
AT PITZER COLLEGE



Since its founding in 1963, Pitzer College has been committed to sustainability. Its environmental studies program began in the 1970s and the College has been practicing what it teaches ever since. One of the colleges named in the Princeton Review's 2014 Guide to 332 Green Colleges, Pitzer strives to protect what Environmental Analysis Professor Paul Faulstich calls this "marvelous gem of a planet."

PITZER COLLEGE SUSTAINABILITY GUIDE

The Sustainability Office



Sustainability Manager:
Warren Biggins
Phone: 909.607.0278
Email: sustainability@pitzer.edu

The Sustainability Office is located in
the Gold Student Center, Room 201.

Table of Contents

Sustainability Office	1
Pitzer College Sustainability Efforts	2
Reduce. Reuse. Recycle.	5
In Your Room	6
The Bathroom	7
Laundry	8
Computing & Printing	9
Dining & Eating	10
Planning Events & Around Campus	12
Getting Around	13
When Shopping	14
Academics	15
Campus Resources & Getting Involved	19

Pitzer College Sustainability Efforts

Pitzer College's campus-wide initiatives—ranging from innovative LEED-certified residential halls to low-water landscaping—reflect the College's commitment to making sustainability an integrated part of the way students live and learn at Pitzer.



Green Buildings

The Phase I & II residence halls were constructed with materials made from recycled content. More than 20 percent of building materials were manufactured within 500 miles of campus.

Bathrooms feature low-flow shower heads, faucets and toilets. Through these and other measures, Pitzer has decreased water usage since 2002 by nearly 50 percent.

The buildings are heated and cooled with high-efficiency chillers, boilers and pumps. Along with the use of energy-efficient lighting, insulation and windows that allow for natural ventilation, this heating and cooling system keeps energy consumption about 30 percent lower than LEED baseline standards, translating into a cost savings of approximately \$35,000 a year.

What is LEED?

LEED stands for Leadership in Energy & Environmental Design, which is a green building certification program through the U.S. Green Building Council (USGBC) that recognizes best-in-class building strategies and practices. To receive LEED certification, building projects satisfy prerequisites and earn points to achieve different levels of certification.



Pitzer Atherton Sanborn (PAS)

- LEED Gold Certification.
- Solar panels provide about 28,000 kilowatt hours of renewable energy annually.
- 1,200 square feet of green roof helps filter the air and provides habitat for animals.
- Permeable concrete and storm-water retention basins help capture rain runoff, allowing it to percolate into the aquifer.

West & East Halls (WE)

- LEED Platinum Certification, USGBC's highest endorsement.
- Solar panels generate 118,000 kilowatt hours of electricity, reducing CO2 emissions by more than 300,000 pounds per year.
- A 5,000-square-foot green roof and a living wall reduce the amount of rainwater runoff and the "heat-island effect"—the increased temperatures in urban areas caused by buildings with dark, non-reflective surfaces and asphalt.
- A gray-water system collects and treats water from showers and sinks, providing all the irrigation for Phase II landscaping, up to 90,000 gallons per month.

Water Conservation

In response to California’s historic drought Governor Jerry Brown issued an Executive Order mandating a 25% statewide reduction in water use compared to the amount used in 2013. Locally, the City of Claremont must reduce its water consumption by 32%. In response, Pitzer has implemented a number of conservation measures:

- Removal of 0.7 acres of the College’s 3.5 acres of turf.
- Pitzer reduced its irrigation from up to six days a week to only two days a week.
- Installation of additional waterless urinals now totaling 26 across campus. Each waterless urinal is estimated to save a gallon of water per use.

75% of Pitzer campus is landscaped with drought-tolerant native plants.



On-Campus Initiatives

PowerDown:

PowerDown is an annual, three-week energy reduction competition across all 5C campuses. We also compete in a larger competition with universities across the country. This past year, Pitzer took 2nd place in the competition with an energy reduction of 6.4%.



ReSource:

ReSource is a no-cost drying rack and compost bucket checkout program available to students, staff and faculty. Check them out for the semester or year! Contact sustainability@pitzer.edu.

- Compost Bins
- Drying Racks
- Greenware (reusable plates, bowls, and cups for events)



ReRoom

ReRoom is a student-led initiative that aims to promote a culture of sustainability on campus through the collection and reuse of used items donated by students, staff, and faculty at the end of each semester. These items are resold to incoming and returning students at the beginning of the fall, reducing the necessity for students to buy new products from the store. All proceeds from ReRoom sales go toward supporting student sustainability initiatives.



Sustainability Orientation:

During new student orientation, the sustainability manager gives an informational orientation to sustainability at Pitzer.

TRIP Program:

Administered by HR, the trip reduction incentive program (TRIP) is a ride-share program for eligible faculty and staff designed to encourage employees to use alternative modes of transportation.

Pitzer College Climate Action Plan

On April 12, 2014, President Laura Skandera Trombley, Trustees Robert Redford and Donald Gould, Professor of Environmental Analysis Brinda Sarathy, and Divestment Student Leader Jess Grady-Benson '14 (pictured below) announced the Pitzer College Climate Action Plan



The Movement

The College's commitment to divest its endowment from fossil fuels grew out of a student movement called the Claremont Colleges Divestment Campaign that began in November 2012. Students met with President Laura Skandera Trombley and Treasurer Yuet Lee in January 2013 which secured a first meeting with Pitzer's Board of Trustees. This meeting followed the passing of a Student Senate resolution in support of divestment from fossil fuels. Students gathered outside the trustee meetings in April and October, calling on the board to act. The Climate Change Working Group was formed out of the October 2013 board meeting as an

Pitzer College's new integrated Fossil Fuel Divestment-Climate Action Model:

1. Divests virtually all College endowment investments in fossil fuel stocks by December 31, 2014
2. Develops an environmental, social and governance policy to guide endowment investment decisions
3. Creates the Pitzer Sustainability Fund within the endowment to make environmentally responsible investments
4. Targets a 25 percent reduction of the College's carbon footprint from current levels by the end of 2016
5. Establishes a Campus Sustainability Taskforce to bolster on-campus measures to promote sustainability

advisory group composed of trustees, students, faculty, and staff as a response to student pressure. In February 2014, about 100 students staged a human oil spill outside the trustee meeting (shown in photo). The Climate Change Working Group presented the Climate Action Model which was unanimously approved by the Pitzer College Board of Trustees in April 2014.



Sustainability reporting

Pitzer College reports greenhouse gas emissions and sustainability efforts to multiple organizations in order to track our progress. To see these reports, visit: pitweb.pitzer.edu/sustainability/climate-commitment-technical-reports/

American College and University Presidents' Climate Commitment (ACUPCC): In 2007, Pitzer signed an agreement with the ACUPCC to reduce greenhouse gas emissions. The agreement calls for participating institutions to develop and implement plans to become climate neutral by 2050.

In 2014, GHG emissions totaled 5,717 metric tons, equaling about 5.8 metric tons of CO₂ per student.

Sustainability Tracking, Assessment & Rating System (STARS): A transparent, self-reporting framework for colleges and universities to measure their sustainability performance.



The College received a Gold ranking on the 2015 STARS submission, the second highest ranking.

Reduce. Reuse. Recycle.



Recycling

The City of Claremont has commingled, single-stream recycling. This means everything goes into the same bin. It just needs to be CLEAN.

- **ALL Plastics #1-7** including cups and film, plastic packaging, lids, six-pack rings and plastic bags—almost all plastic items!
- Aluminum, steel and tin cans, Styrofoam and foil (clean!)
- Glass (all colors)
- Paper and cardboard including newspaper, magazines, envelopes with plastic windows or bubble lining, egg cartons, and paper bags.

For more specifics, visit www.ci.claremont.ca.us/home/showdocument?id=610

e-waste?

Bins are located in the mail room and dead batteries, burnt-out light bulbs, Brita filters, and small electronics are accepted for recycling. Contact sustainability@pitzer.edu for recycling larger electronics such as microwaves or fridges.



Do MORE than recycle!

Recycling is not a solution to our waste. It uses a lot of energy, and most plastics and papers can only be recycled a few times before they become too brittle to use. It is important to focus on reducing consumption and reusing products to reduce our waste to begin with!

Reduce then Reuse then Recycle!

The Free Room!

Looking for clothes? Dorm appliances? Check out the Free Room during the school year. Located in 4th floor Q study room in West Hall, the Free Room functions as a place to trade items. For more information contact jrenick@students.pitzer.edu!

The Green Bike Program

The Green Bike Program collects donated or abandoned bikes at the end of each semester, fixes them up, and then loans them out to students at the beginning of each semester. See page 21 for more info.

ReRoom/ReBook/ReSource

Reusing dorm furniture, appliances, and books keeps our used materials from going to the landfill as well as reducing our overall consumption. Check out page 4 to find out more!

Composting!

97% of food waste ends up in landfills

In the dining hall, discard your food waste in the designated bins next to the dish conveyor for composting.

Compost bins and other food waste can be emptied into the appropriate bin next to the compost pile in the northeast corner of the Pitzer Garden.

Check out a compost bin from the Sustainability Office for individual use! Contact sustainability@pitzer.edu

Do Compost

- Produce scraps (vegetable and fruit scraps, peels, rinds, seeds, etc.)
- Vegan food scraps (all food, bread—no meat/dairy)
- Thin paper (Kleenex, napkins, paper towels, etc.)
- Green waste (flowers, leaves, twigs, etc.), coffee grounds, tea bags

Don't Compost

- Non-vegan food scraps (meat, cheese, yogurt, butter, etc.)
- Biodegradable/compostable plastic items (e.g. spudware)

These require preprocessing that Pitzer's compost cannot handle.

In Your Room

How do I control the AC/Heat?

Mead: Flip your AC/Heat switch to OFF. It is located by the bathroom.

PAS & WE: Crack your window and the AC/Heat will automatically turn off.

Rechargeable Batteries: Save money and reduce resource consumption and hazardous waste. FMI: www.stopwaste.org/docs/rechargeable_batteries.pdf

Energy Star Appliances: ENERGY STAR certification is an EPA certification program for products that save energy without sacrificing features or functionality. www.energystar.gov/productfinder/

Buy used appliances and dorm supplies from ReRoom at the start of the year. Check out a thrift store such as Goodwill or American Way in the area before heading to Target.



Power Down Your Energy Use

- Turn off the lights! Easy to do, and to forget.
- Use daylight whenever possible. Open your hatch or prop your door in PAS & WE Halls. Natural lighting from windows and doors is more pleasant and can eliminate the need for artificial lighting during the day!
- Use more efficient light bulbs. Fluorescent, compact fluorescent (CFL), LED, and other efficient bulbs use much less energy than traditional incandescents. CFLs are the best choice in most instances.
- Talk to your roommates ahead of time about sharing fridges. Also look at used fridges at ReRoom before buying a new one.
- Almost everything electronic, especially chargers, uses “standby” power as long as it’s plugged in, even when turned off! Unplug items when not in use, or plug them into a power strip and turn the strip off. You can purchase a power strip at the bookstore or CUC’s Connection.
- Stand-by power—“phantom load”—is responsible for an estimated 5-10% of US residential energy use. Eliminating “phantom load” would be the equivalent of shutting down 17 coal-fired power plants!

Lawrence Berkeley National Laboratory. (2009). Scheyder, Ernest. (April 10, 2009). “Phantom Load: Save Some Cash, Get Unplugged.”

Cleaning Tips & Tricks

- Buy non-toxic and green cleaning supplies OR make your own with vinegar and water!
- Reduce waste by using a washable cloth rag to clean.
- Baking soda works well as a natural deodorizer and scrub for the sink and shower.
- Unclog your drain by pouring 1 part baking soda followed by 2 parts vinegar down the drain to break up blockages.
- Borax mixed with warm water is a natural disinfectant!

The Bathroom

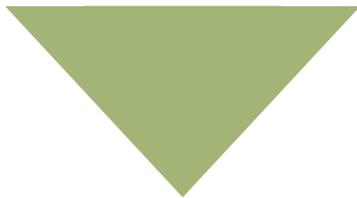
Shower Tip

Most showers have a little switch behind the shower head that allows you to stop water flow while maintaining temperature when sudsing up!



Lights!

Bathroom lights are easily left on as they are out of sight. Remember to flip the switch!



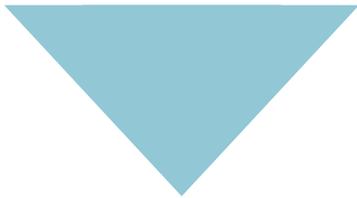
Water Saving Tips

- Take shorter showers! Use a shower timer or a song to help you keep track of time.
 - Talk to your suitemates about a If it's yellow let it mellow, if it's brown flush it down rule
- If the toilet is dual flush, use it appropriately!
- Turn off your faucet when you are brushing your teeth or soaping your hands.



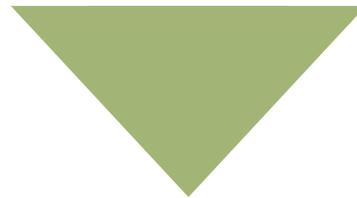
Eco-Periods

Feminine hygiene products create a huge amount of waste—nearly 2.5 million tampons, 1.4 million pads, and 700k pantyliners each year! Fortunately, there are options such as reusable medical-grade silicone menstrual cups like the Keeper and DivaCup (available at the Coop Store and Motley).



Remember to recycle!

Toilet paper cores, paper towels and empty plastic bottles from shampoo and other bathroom products should be recycled.



Did You Know?

CA AB-1699 passed in 2014, banning the sale and manufacture of microbeads—microscopic plastic beads used in many face and body washes.

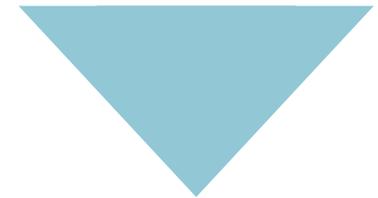
Shower Energy

Every five minutes you spend in the shower uses around 1.2 kWh of electricity to heat the water—the amount of energy needed to burn ten 100-watt bulbs for one hour.



Cosmetics

Check the ingredients of cosmetics and care items. These aren't FDA-regulated, and can have hazardous chemicals. Check out the Environmental Working Group's Skin Deep database for more info! www.ewg.org/skindeep/



Laundry

Washing

- Only do laundry when you have a full load, BUT don't overfill the washer.

Machines use the same amount of energy no matter how many clothes you put in.

- Need clothes, but don't have a full load? Ask your suitemates or friends if they want to toss anything in!

- Purchase environmentally friendly laundry products. Look for products that are 2x or 3x concentrated and have natural ingredients. Explore www.betterworldshopper.com for good brands.

- Wash using cold water.

About 90% of the energy used by the machine goes to heating the water. Advances in detergent mean that hot water is no longer necessary to get clothes clean.

- Use ½ the recommended amount of detergent. Since Pitzer has efficient front-loading washing machines, half or less of the recommended amount of detergent will still get your clothes clean.

- Wear clothes more than once before you wash them. Jeans, shirts, sweaters, and pants can be worn multiple times before washing.



Drying

- Air dry your clothes. Air drying reduces energy use and lengthens the life of your clothes. Use the clotheslines in WE and PAS or check out drying racks from the Sustainability Office contact sustainability@pitzer.edu

- Clean out the lint screen before using a dryer. Dirty lint screens cause dryers to use up to 30% more energy.

- Nix the fabric softener and drying sheets. Fewer chemicals mean a healthier you and a healthier environment.

Saving Energy Can Save You \$\$\$

Cost of Washing: \$1.25

Cost of Drying: \$1.00

Average of 5 loads of laundry per month = 20 loads per semester

COSTS \$45 each semester doing laundry, a total of \$360 for 4 years.

Air drying 1/2 of their laundry...

SAVE \$10 a semester.

Air drying all of their laundry...

SAVE \$20 a semester and \$160 throughout college.

Air drying all of their laundry AND reducing laundry by 2 loads per semester by washing only full loads and washing only dirty clothes...

SAVE an additional \$40, saving a total of \$200 on laundry .

~~\$360~~



\$160 = Save \$200!

Computing & Printing

Laptop & Desktop Energy Saving Tips



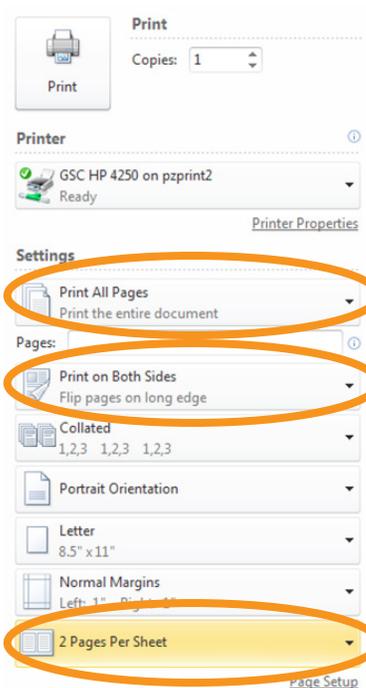
- Turn off your computer completely when not in use.
- Lower your screen's brightness to a level that is still comfortable.
- Make sure to use energy-saving settings.
- Set your screen to go into sleep mode after five minutes of inactivity and your computer to go to sleep after 15 minutes of inactivity.
- Don't use screen savers. Screen savers were originally used to prevent monitor-damaging phosphor burn. However, today's monitors are not susceptible to such damage. Screen savers can actually use up to twice as much energy as a computer in use.
- Do not fully discharge your battery every time. Unlike nickel-metal hydride batteries, lithium ion batteries (the kind used in most laptops today) perform better when they are not fully discharged each cycle. Instead, it is better to discharge only partially before recharging. A full discharge is needed about every 30 charges.

Duplicating Services

Duplicating Services is located next to the Pit Stop in Bernard Hall. They provide printing services for the College. Duplicating sources most of its paper from Forest Stewardship Council (FSC)-certified sources and is working towards becoming a FSC-certified print shop.

They offer:

- Free notepads made from recycled paper available for everyone.
- A half-price discount when you print on paper that has been printed on one side.



Select pages to print

Print on both sides

Multiple pages per sheet

Work on the Computer

- SAVE PAPER by reading and annotating PDFs and Word documents on your computer rather than printing them out.
- If you want to digitally annotate or highlight a PDF, use Adobe Acrobat Professional (installed on all lab and college-owned computers) allows you to digitally annotate and highlight PDF files.
- In Word, use Track Changes to make edits and comments on a paper.

Printing Tips to Save Paper

- Always double check that the settings are set to print DOUBLE-SIDED.
- Print two pages on each side of each sheet (4 pages per sheet) to reduce the amount of paper needed.
- Reduce font size and margins to limit the amount of pages you need to print.
- Exclude the citation pages and the title page by selecting a page range instead of printing all pages.
- Print posters on half-sheets, two to a page, to get more posters for less paper and less money.
- Always check with your professor if they want a hard copy of your assignment. Professors often prefer to receive assignments via email or Sakai in order to save paper.

Dining & Eating

30-40% of the US food supply is wasted, equaling more than 20 pounds of food per person per month.

United Nations Environment Programme. (2015) "Food Waste: The Facts."

Reducing Waste

Take only what you can eat. You can always go back for more!

If you have leftovers, save them in your greenbox to eat later.



In the US, organic waste is the second highest component of landfills, which are the largest source of methane emissions.

United Nations Environment Programme. (2015) "Food Waste: The Facts."

Food Choices

- Eating lower on the food chain reduces the amount of energy and resources that go into your diet.
- Reduce consumption of animal products (meat, eggs, dairy). Try cutting meat out of your diet for just 1-2 days a week to start!
- Pay attention to where foods are produced. Eating more local foods reduces the energy required for transportation.



Defining Food Terms

Vegetarian = No meat.

Vegan = No animal products. Includes meat, dairy, eggs, etc.

Pescatarian = No land meat. Only fish.

You don't have to fit into these categories to eat sustainably. Simply be conscious of the food you are eating and you can reduce your impact!



Greenbox & Greencup

Check out a greenbox or a greencup at the dining hall to reduce waste from take-out containers. It costs \$1 to check out a box or cup, though that charge is refunded when the item is returned at the end of the semester. Not only does it reduce waste, but it saves you time because you can exchange your dirty box/cup for a clean one.



Food waste has contributed 3.3 billion tonnes of GHGs to the atmosphere.

United Nations Environment Programme. (2015) "Food Waste: The Facts."

Sustainability in McConnell Dining Hall and Bon Appétit

- Bon Appétit aims to spend at least 20 cents of every dollar with their network of over a thousand Farm-to-Fork suppliers sourced within 150 miles of the College.
- McConnell participates in food recovery initiatives to buy misshapen or bruised fruits and veggies that would normally be thrown away.
- Bon Appétit offers cage-free eggs, humanely raised antibiotic-free ground beef, rBGH-free milk and seafood that meets “Seafood Watch” sustainability guidelines for commercial buyers.
- Both pre-consumer and post-consumer food waste is collected for composting.
- McConnell Dining Hall recently switched to Groundwork Coffee, which is a local roaster that runs its site on solar power.
- McConnell recently replaced the dishwasher with a new, energy- and water-efficient model. When the dishwasher does break down, disposable utensils and plates (made from plants, not oil) are used.



The Shakedown is a student-run restaurant at Pitzer College, with a commitment to using locally grown, seasonal, and organic ingredients. The Shakedown is a gathering place for students to eat, study, hang out, or enjoy a variety of events (open mic nights, movie screenings, live music, etc.) It is located in the Gold Student Center at Pitzer College, on the second floor by the pool. Work-Study & Volunteer positions are available.

Email: theshakedowncafe@gmail.com
 Website: pitweb.pitzer.edu/shakedown/

PitStop Café

The Pit-Stop Café is located in Bernard Hall facing the Scott Courtyard, and serves coffee, espresso drinks, gourmet sandwiches, wraps, salads, fruit cups, juice and freshly baked pastries. Free refills are offered if you bring in the same cup you used earlier that day. Bring your own mug or thermos to eliminate the need for a disposable cup.

The Grove House

The Grove House is a craftsman-style home that currently serves as a restaurant and student center. The kitchen serves as much local and organic food as possible. Other food is sourced from the Pitzer Garden and sprouts come from student growers.

Students can find work-study positions in the kitchen at the Grove House.

Fruit & Edible Plants of Campus

There are plenty of fruits, herbs, and vegetables growing in our own backyard. The grove behind the Grove House boasts oranges, limes, grapefruit, figs, avocados, and lemons. The Pitzer Garden grows produce for students and the Grove House. There are also plenty of medicinal plants, dye-producing plants, herbs, etc. that can be found all over campus.

Check out this map created by students in a class with Spurse Art Collective to locate and identify some of these plants: pitweb.pitzer.edu/forage/

Planning Events & Around Campus

Are you hosting a meeting or event on campus with food?

Don't waste money on dishware that will end up in the landfill! Check out our reusable dishware made from 100% recycled materials instead! Cups, small and large plates, and cutlery are available for use.

Please contact sustainability@pitzer.edu to request.



Advertise Online

Use no flyers by advertising online. There are multiple ways you can advertise online, including social media and email. Check out these useful listservs for reaching students!

- Student Talk at Pitzer (sends to all Pitzer students) student-talk@pitzer.edu
- EA Students at the 5Cs eastudents@listserv.pomona.edu
- Sustainability listserv at the 5Cs ccsustainability@listserv.pomona.edu

Sending a package?

Reuse boxes for sending packages! Boxes can sometimes be found on the shelf in the mail-room.

Serving food? Check out these tips to reduce your waste!

- B.Y.O.B (Bring your own bowl)—Have attendees bring their own reusable dishware to get food at an event. Snackie Snack does this every week!
- Compostable disposables—If you choose to have dishware, choose compostable disposable as opposed to Styrofoam, plastic, or wax-coated paper.
- Bulk—Buying in bulk reduced the amount of packaging.
- Get trash and recycling bins from facilities.
- Compost! Check out Pitzer's compost in the garden. See page 19 for more information.

Water Maintenance

Leaky Sprinklers? Report leaky sprinklers or ones watering the sidewalk to facilities at [909.607.2226](tel:909.607.2226)

Leaky faucets or shower? Submit a work request to facilities online.

Use a reusable water bottle instead of plastic!

Brita Hydration Stations are located across campus.

- West Hall: Demo Kitchen, Living Room
- Atherton: 1st floor (tucked behind the mailroom)
- East Sanborn: 1st floor near the living room
- Bernard Hall: 1st floor (by the elevator)
- Scott Hall: 1st floor near Career Services and Dean of Faculty's Office
- McConnell: 3rd floor outside of Financial Aid and Human Resources offices
- Gold Student Center: 1st floor (lobby area) and 2nd floor across from the Multipurpose Room



Getting Around

Getting around without a car is easier than you think and can both save money and limit your carbon footprint. Check out these tips on how to get around without your own car!

Ride your bike! If you need one, contact the Green Bike Program (see page 21) about the semester bike raffle or trade in volunteer hours for some sweet wheels.

Cars and trucks account for nearly 1/5 of all emissions, emitting around 24 pounds of carbon dioxide and other global-warming gases for every gallon of gas.

Union of Concerned Scientists, 2015 "Vehicles, Air Pollution, and Human Health"



Flying? Arrange to share a cab or SuperShuttle to Ontario Airport or LAX with other 5C students with 5C RideShare. Check out the website: 5crideshare.com

Nearly one half of all Americans—an estimated 150 million—live in areas that don't meet federal air quality standards. Passenger cars and trucks are the main sources of pollution, which includes ozone, particulate matter, and other smog-forming emissions.

Union of Concerned Scientists, 2015, "Vehicles, Air Pollution, and Human Health"

Have a car? Check out these driving tips to use your car more sustainably and increase your fuel efficiency!

- Carpool with friends.
- Make sure your tires are properly inflated. This increases your gas mileage, saving you money and decreasing emissions.
- Check your engine air filter. A clean filter allows your engine to burn fuel more efficiently.
- Roll down your windows instead of cranking the A/C. Running your A/C and heat uses more gas.
- Use cruise control when possible
- Avoid idling. Turn off your engine in drive-thrus and while waiting for trains.

Rent a Zipcar! Zipcar provides cars to students over 18 with good driving records. The cars are located on campus and can be rented by the hour or for the day. Gas and insurance are included! For more detailed information or to join Zipcar visit zipcar.com/universities/pitzer-college

Public Transportation

Take Foothill Transit to get around in the immediate area. Check out schedules at foothilltransit.org

The Metrolink Station on First Street in Claremont will take you to Union Station in LA in about 45 minutes, which is often faster than driving.

Find the schedule here: metrolinktrains.com/schedules



When Shopping

By shopping smart we can reduce our consumption and consume more sustainably. We can choose to consume less and, by being more conscious, can consume from better sources. As consumers we have the ability to vote with our dollars and support sustainability values in products we buy.

Buy Local!

The transportation sector of the US economy accounts for 27% of the country's emissions. By buying locally produced products, you are keeping transportation emissions to a minimum and supporting your local community.

Bring Your Own Bag!

Reusable bags reduce waste from plastic and paper bags and are generally made out of recycled materials. Most stores give you a discount for bringing your own bag (Target, CVS, Trader Joes, Sprouts, Vons, etc.).



Go Thrifting!

Buy lightly used clothes and appliances from local thrift stores such as Goodwill and American Way to reduce waste, save money, and support good causes.

Just be Conscious

Pay attention to ingredient labels and where a product was manufactured. When you can, try to buy certified organic, Fair Trade, and other labeled goods that ensure sustainable and ethically produced products.

Back to School Shopping: Textbooks & Dorm Supplies

- **ReRoom/ReBook**

Buy used furniture and dorm supplies from ReRoom!
Books for your classes can be found used at ReBook!
See page 4.



- **Buy locally** from the Huntley Bookstore. This reduces the impact of additional shipping supplies across the country.

- If books are unavailable or too expensive locally, consider buying textbooks from one dealer instead of many. This way all your books are shipped in one box, often saving you a lot on shipping costs.



Academics

Environmental Analysis Major

Environmental Analysis is an interdisciplinary major focusing on the interaction between human and non-human components of the biosphere. The major applies approaches in the social sciences, arts and humanities, and natural sciences to understanding and solving environmental problems. Find out more at: pitweb.pitzer.edu/academics/majors/environmental-analysis/

The Environmental Analysis major offers four tracks:

- Environmental Science
- Environmental Policy
- Environment & Society
- Sustainability and the Built Environment.

5C Environmental Analysis Program

The 5C Environmental Analysis Program combines the strengths of the five Claremont Colleges to provide robust interdisciplinary training for students interested in environmental issues. Resources for field research, community-based research internships, and service learning include the Robert Redford Conservancy for Southern California Sustainability, the Pitzer in Costa Rica Program and the Firestone Center for Restoration Ecology, the Pitzer in Ontario Program, the John R. Rodman Arboretum, the Robert J. Bernard Biological Field Station, and numerous local partnerships.

5C EA Coordinator: Professor Char Miller (PO)

Email: Char.Miller@pomona.edu

Office: Edmunds 127

5C EA Program Website: <http://ea.pomona.edu/>

Meet Pitzer's EA Field Group & Advisers



Paul Faulstich
Professor of Environmental
Analysis
Office: Broad Center 214



Susan Phillips
Associate Professor of
Environmental Analysis
Office: Scott Hall 232



Katie Purvis-Roberts
Professor of Environmental
Science & Professor of Chemistry
Office: Scott Hall 124



Lance Neckar
Professor of Environmental
Analysis
Office: Bernard 219



Brinda Sarathy
Associate Professor of
Environmental Analysis
Office: Fletcher 221



Colin Robins
Assistant Professor of
Environmental Science
Office: Keck Science 238



Melinda Herrold-Menzies
Associate Professor of
Environmental Analysis
Office: Avery 208



Donald McFarlane
Professor of Environmental
Science & Professor of Biology
Office: Keck Science 43



Branwen Williams
Assistant Professor of
Environmental Science
Office: Keck Science 227

Firestone Center for Restoration Ecology

The Firestone Center for Restoration Ecology reserve and field station is a 150 acre property located on the southwest coast of Costa Rica, adjacent to the well-known Hacienda Baru Reserve, near the town of Dominical. Pitzer in Costa Rica: Culture, Environment, and Ecology semester study abroad program spends two months studying at the Firestone Center. The Center also supports student summer research.



Check out the following pages for more information!

Website: pitzer.edu/offices/firestone_center

John R. Rodman Arboretum

The Arboretum began in 1984 as a movement to save surviving indigenous vegetation from demolition by well-meaning academic developers. It was led by Dr. John R. Rodman, professor of environmental studies, and other faculty, staff and students.



The 16 Arboretum gardens, spread over about 10 acres, communicate that drought-tolerant and native landscaping can produce not only a

beautiful and welcoming, but environmentally responsible setting for a college located in the San Gabriel alluvial scrub country of Southern California. It includes the 3-acre Pitzer Outback Preserve located North of WE Halls. The Preserve is home to one of the rarest ecosystems in the world: Alluvial Sage Scrub. In the Preserve, you will discover many plants indigenous to Southern California, native wildlife and restorative solitude.

For more info see:
pitweb.pitzer.edu/arboretum/

Pitzer in Ontario

Pitzer in Ontario (PIO) is a justice-oriented, interdisciplinary program in urban studies and community-based research. With theoretical foundations in the social sciences and a strong emphasis on experiential education, the program allows students to understand regional impacts of globalization and to engage in local social change efforts.

PIO students enroll in all three core courses (4 credits), which include field trips as a central component. These courses expand on course themes of environmental racism, housing/homelessness, immigration and education.

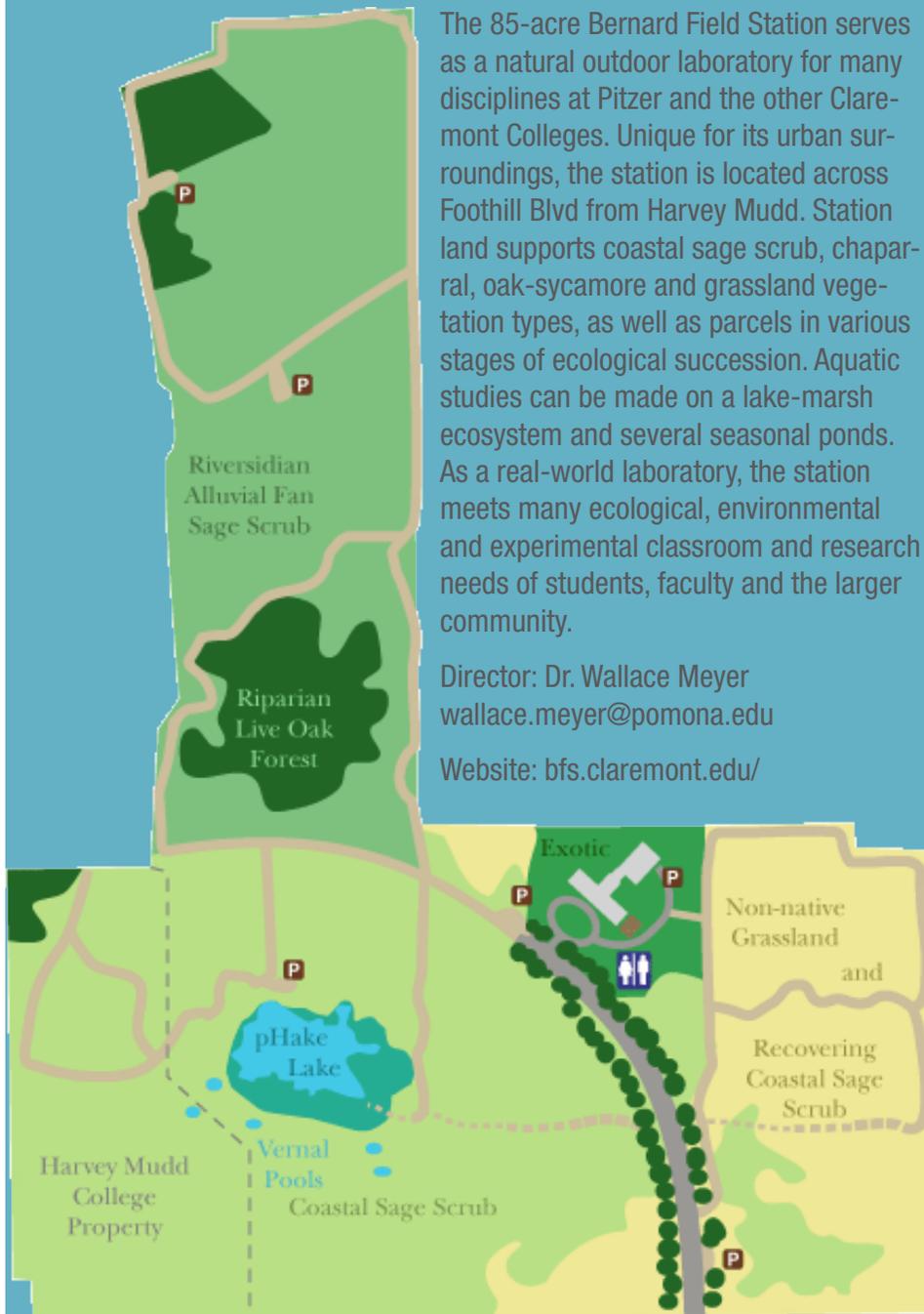


Students also engage in an internship. One internship possibility, the Wheelhouse, is a bicycle cooperative founded in 2010 at the Pitzer in Ontario House.

Doors are open to the public three days per week for free instruction and bike maintenance, with specialized programs taking place outside of regular Wheelhouse hours. PIO interns for the Wheelhouse assist Urban Fellow Erin Gurley (Wheelhouse Coordinator) to staff Wheelhouse shifts, and to conduct outreach at several locations, including the Department of Parks and Rec for a youth build-a-bike program, the Pomona Economic Opportunity Center, and the STRIVE center for holistic healing. Students conduct safety or maintenance workshops, create promotional materials for the Wheelhouse, and coordinate events. Interns attend meetings with regional bike advocacy groups and coalitions.

For more information check out: pitweb.pitzer.edu/pio/

Robert J. Bernard Biological Field Station



The 85-acre Bernard Field Station serves as a natural outdoor laboratory for many disciplines at Pitzer and the other Claremont Colleges. Unique for its urban surroundings, the station is located across Foothill Blvd from Harvey Mudd. Station land supports coastal sage scrub, chaparral, oak-sycamore and grassland vegetation types, as well as parcels in various stages of ecological succession. Aquatic studies can be made on a lake-marsh ecosystem and several seasonal ponds. As a real-world laboratory, the station meets many ecological, environmental and experimental classroom and research needs of students, faculty and the larger community.

Director: Dr. Wallace Meyer
wallace.meyer@pomona.edu

Website: bfs.claremont.edu/

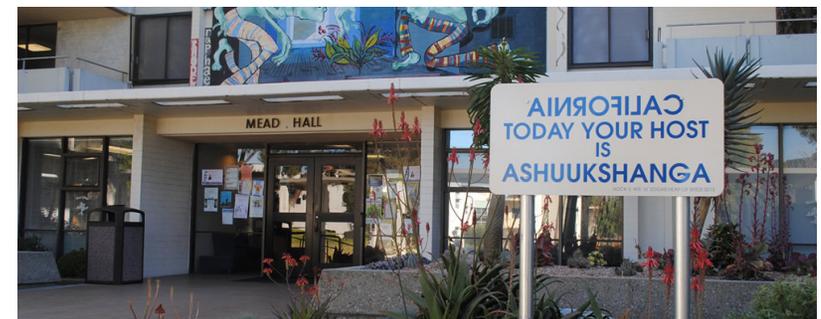
art + environment

Pitzer's Art+Environment program explores the intersection of the arts and the environment and is funded by a four-year, \$600,000 grant from The Andrew W. Mellon Foundation. The project evolved from Pitzer's twin beliefs in the importance of environmental stewardship and the role of art as not only a means for personal expression, but as an impetus for interdisciplinary inquiry and critical thinking. One of the objectives of the Art+Environment program is to think expansively about how humans interact with non-human nature, and how art can help us imagine other possible relationships with our environments.

The art+environment program:

- Develops experimental interdisciplinary courses
- Engages faculty and students in research and creative projects
- Creates an annual artist-in-residence program
- Mounts exhibitions and lectures on wide ranging topics
- Convenes a capstone exhibition and speaker series

Visit pitweb.pitzer.edu/artenvironment/ for more information.



Pitzer College's Art+Environment program kicked off its inaugural year with a public art installation by Edgar Heap of Birds, the program's first artist-in-residence and an internationally recognized contemporary artist. The installation, Native Hosts honors the Tongva, indigenous people whose ancestral homelands lie in the Los Angeles area. Created with local Tongva elders, Native Hosts feature signs displaying the names of traditional villages and sacred sites. Four signs remain on campus that have been purchased by the College and donated by the artist.

Robert Redford CONSERVANCY

for Southern California Sustainability

PITZER COLLEGE

Academically driven by the liberal arts, and guided by Pitzer College's core values of social responsibility and environmental sustainability, the Robert Redford Conservancy for Southern California Sustainability engages interdisciplinary and collaborative approaches to environmental problem solving. The Redford Conservancy will promote both the longevity of Southern California's natural environment, and the wellbeing of its peoples.

John D. Sullivan Memorial Fund

Inspired by the late Professor of Political Studies John D. Sullivan's commitment to water issues, this fund will facilitate public engagement and education around water in California and beyond and serve as a resource to students at The Claremont Colleges through:

- Public lectures on water issues
- Student research and internships related to water and public policy
- Water-related workshops and field trips for faculty and students

Meet the Student Fellows

The Conservancy Fellows are a group of students from a variety of academic backgrounds that engage the community with the Robert Redford Conservancy through programming, information distribution and engagement in the planning process of the Conservancy's future site. Rising sophomores and juniors are eligible to apply each spring.



RRC Director: Professor Brinda Sarathy

Contact: rrc@pitzer.edu

Website: pitweb.pitzer.edu/redfordconservancy/

Engaged in Liberal Arts

The Conservancy is committed to a vision that connects undergraduate students with faculty, alumni, scientists, policy-makers, artists, and other members of our local and regional community, to engage in interdisciplinary and team-based ventures for the wellbeing of our natural and social world. The Conservancy is currently working on developing student internships with environmental organizations, fostering faculty-student collaborations, reaching out to community groups, and infusing the broader college curriculum with an orientation towards environmental sustainability.

Rooted in Southern California

In order to more deeply understand and address contemporary environmental problems, the Conservancy begins with a focus on the Inland region of Southern California, which is at the center of an expanding goods movement industry that originates from the ports of Los Angeles and Long Beach and stretches eastwards to the inland regions.

Making a Difference

The Conservancy seeks to foster alliances, projects, movements and policies for a more sustainable and more just future. It engages students, faculty, and other members of our extended community to collaboratively envision the creation of a space that is conducive to the incubation and cultivation of environmental sustainability and social change.

Campus Resources & Getting Involved

The College offers many ways to get involved with sustainability and engage with environmental issues, including student-run clubs, research & volunteer positions, jobs and mentoring/teaching. As part of the Claremont College Consortium, Pitzer students also have access to some 5C resources and positions.

Student Groups

Ecology Center (EcoCenter)

EcoCenter is Pitzer College's longest standing environmental club. The center seeks to increase awareness and engagement on campus around environmental issues and sustainable initiatives. EcoCenter hosts speakers, workshops, film screenings, and other events in order to engage the Pitzer and 5C community in conversations to lead towards changes in thought and practice in order to reduce environmental impact and increase social responsibility. In addition, EcoCenter supports and initiates projects that have a tangible effect on issues surrounding the environment, including environmental education initiatives and energy reduction challenges.

Meeting Time: Wednesdays at 8 p.m.

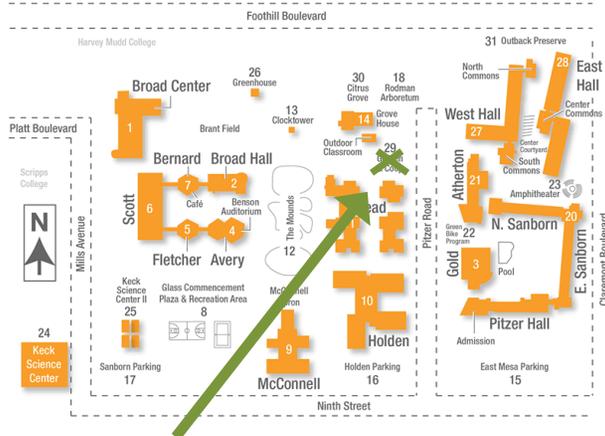
Location: Grove House (upstairs)

Contact: lmccord@students.pitzer.edu or
amchang@students.pitzer.edu

Website: www.facebook.com/PitzerEcoCenter/



PITZER COLLEGE CAMPUS MAP



Garden Club

The Pitzer Garden is located north of Mead, between the service road and the GroveHouse. The Garden maintains vegetable beds and the chicken coop. Bring your compost bin or food waste to the compost pile in the northeast corner of the garden!

Meeting Time: Fridays at 3 p.m.

Location: The Garden!

Contact: garden@pitzer.edu

Website: <https://pzgarden.wordpress.com/>

A Cleaner Tomorrow

A Cleaner Tomorrow (ACT) is a club dedicated to environmental education. ACT works with elementary school students in Claremont and Ontario to encourage environmental preservation, promote healthy ecological practices, and engage youth to take action.

Meeting Time: Wednesdays at 6 p.m.

Location: Pitzer Hall Living Room

Contact: info@acleanertomorrow.org

Website: www.acleanertomorrow.org/



TerraCycle Club

TerraCycle club's mission is to rethink waste by taking in products that are not normally recycled to be recycled or up-cycled into new products such as energy bar wrappers and cereal bag liners. The club ships collected items to TerraCycle in exchange for points that can be converted into monetary donations. To date, the club has reduced over 337 lbs of waste on campus and donated \$140.

Meeting Time: Thursdays at 7 p.m.

Location: WE Hall Living Room

Contact: kquevedo@students.pitzer.edu

Website: [www.facebook.com/](http://www.facebook.com/groups/260117447499224/?_rdr=p)

[groups/260117447499224/?_rdr=p](http://www.facebook.com/groups/260117447499224/?_rdr=p)



Food Not Bombs

The mission of Food Not Bombs is to recover and share free vegan or vegetarian food with the public without restriction to protest war, poverty and the destruction of the environment. Food Not Bombs is also dedicated to taking nonviolent direct action to change society so no one is forced to stand in line to eat at a soup kitchen, expressing a commitment to the fact that food is a right and not a privilege. Food Not Bombs asks: "with over a billion people going hungry each day how can we spend another dollar on war?"

Website: [www.facebook.com/](http://www.facebook.com/groups/726869344051371/?fref=nf)

[groups/726869344051371/?fref=nf](http://www.facebook.com/groups/726869344051371/?fref=nf)



Claremont Climate Justice

Claremont Climate Justice (CCJ) grew out of the 5C Fossil Fuel Divestment Club after winning divestment at Pitzer. CCJ's mission is to change the discourse on climate change and expand awareness of the intersectionality of social injustice and environmental destruction. Through fossil fuel divestment, reinvestment, political education, nonviolent action, and coalition building, CCJ organizes to build a movement for climate justice at The Claremont Colleges. The group states: "We strive to leverage our positions as students at wealthy institutions to shift power towards the grassroots and actualize our vision of a just transition to a non-extractive economy."

Meeting Time: Mondays at 6 p.m.

Location: Walker Lounge at Pomona

Contact: aleopold@students.pitzer.edu

Website: <http://claremontclimateju.wix.com/claremontclimate#!page3/cee5>

Claremont Market Shares

The Claremont Market Shares is a student-run food distribution program that connects Claremont students, staff and faculty with affordable weekly shares of local, sustainable produce with a goal of creating a more transparent, just and local market for farmers and consumers. Most members will pay approximately \$260 at the beginning of the season, \$20 a week for 13 weeks of produce.

Contact: claremontmarketshares@gmail.com

Website: www.facebook.com/claremontmarketshares

The Green Bike Program

The Green Bike Program (GBP) is a student-run organization created to promote cycling, bike safety and sustainability at Pitzer College and the surrounding community. Founded by Pitzer College students in 2001, the Green Bike Program provides Pitzer students with free loaner bikes, encouraging eco-friendly transportation around The Claremont Colleges. At the end of each semester, Campus Safety confiscates abandoned bikes left on racks around campus. Usually, these bikes end up in a landfill, but thanks to the GBP, these bikes are refurbished and raffled off each semester at no charge. All students, staff and faculty from the 5Cs—not just GBP bike recipients—can bring their bikes to the shop for repairs. The GBP also organizes cycling events such as races and repair lessons. Work-study jobs or volunteer hours available!

Open Monday-Friday, 10 a.m.-5 p.m.
Located East of the GroveHouse at the top of the Service Road

Meeting: Sundays at 9 p.m.
Location: GBP Garage
Contact: gpb@pitzer.edu
Website: pitweb.pitzer.edu/student-life/gpb/



Pitzer Food Collective

Living on campus shouldn't stop students from eating locally and sustainably! This mantra brought together the 12 students who now make up the Pitzer College Food Collective. The collective strives to combat industrial food systems by strengthening the agency and reliance between members of local communities. The group sources local and sustainable food from trusted farms, cooks family meals, and shares responsibilities/payments. The collective aims to serve as an example for the rest of Pitzer College, greater Claremont community, and whoever else is interested in sustainable, autonomous living!

Meeting: Sundays at 11am
Location: Mead Courtyard
Contact: mmattson@students.pitzer.edu
Website: www.pitzerfoodcollective.com/

The Shakedown Cafe

The Shakedown is a student-run restaurant at Pitzer College, with a commitment to using locally grown, seasonal, and organic ingredients. They hire work-study and volunteers. Check out page 11 for more information.

Meeting: Wednesdays at 8:30pm
Location: The Shakedown
Contact: theshakedowncafe@gmail.com
Website: pitweb.pitzer.edu/shakedown/

Other Campus Resources

Student Senate

Pitzer College Student Senate is the central governing body for the students. The primary goal of the Student Senate is to promote and enhance student engagement and campus life. Senate is the official body for protecting student rights and interests, facilitating student participation in College policy-making, increasing the quality of students' educational and academic experience, upholding the core values of the College in all areas of student life, facilitating communication between students and faculty, staff, and bureaucratic organizations, recognizing and funding student organizations, representing the student body in College Council meetings and all official college business, and striving to improve the welfare of students.



Environmental Senator
Taylor Novick-Finder '17
tfinder@students.pitzer.edu

Meeting: Sundays at 7 p.m.
Location: GSC Multipurpose Room
Contact: sensec@students.pitzer.edu
Website: www.pitzer.edu/student-senate/

WWOOF Book Access

WWOOFing (World Wide Opportunities on Organic Farms) is a way to learn practical farming skills, be part of the organic agriculture movement, and experience the heart of American agrarian culture. Thanks to EcoCenter, students are able to access the U.S. online directory. Contact sustainability@pitzer.edu for the username and password.

Visit wwoofusa.org/ for more info



Community Engagement Center

The Community Engagement Center has opportunities for work-study or volunteering at a local community garden, Huerta del Valle, and a gardening and cooking class at a women's rehabilitation center, Prototypes. Other opportunities include working at Adam's Acres, Amy's Farm, The California Wilderness Coalition, Center for Community Action and Environmental Justice, From Lot to Spot, Lideres Campesinas, Uncommon Good, and Urban Farm Therapy.

Contact: cec@pitzer.edu
Website: pitweb.pitzer.edu/cec/

Pitzer Green Initiative Fund

In accordance with Pitzer College's core values, the Pitzer Green Initiative Fund (PGIF) seeks to engage students in social responsibility and environmental sustainability by encouraging innovative and creative solutions to environmental problems. The PGIF aims to foster a collaborative and interdisciplinary learning process and will enable students to take ownership of their community by constructing a sustainable vision for the future of Pitzer College.



The PGIF Grant Committee, comprised of student voting members and faculty/staff advisers, provides one-time grants to students for sustainable initiatives on campus.

Do you have an idea for an on campus sustainability initiative or project? Apply to the PGIF to turn your idea into reality!

Contact: PGIF@pitzer.edu
Website: pgif84.wix.com/theppgif



5C & Community Resources

Pomona Farm

The Pomona Farm is a 1.2 acre working farm in the southeast corner of the Pomona College campus with fruit trees, vegetables, herbs, chickens, bee hives and the Earth Dome. Volunteer for produce or buy produce at the weekly Farm Stand.

Website: <http://farm.pomona.edu/>
Contact: farm@pomona.edu



The Hixon Center

The Hixon Center for Sustainable Environmental Design at Harvey Mudd College was created in 2015 to initiate, support and coordinate college-wide programs and activities related to sustainability research, teaching and practice.

Website: www.hmc.edu/hcsed/
Contact: hcsed@hmc.edu

Roberts Environmental Center

The principal goal of the Roberts Environmental Center is to involve students in real-world environmental issues and to train them to analyze the issues from as broad a perspective as possible, taking science, economics, and policy into consideration. Based out of Claremont McKenna College, the center is geared to cultivate environmental leadership within its student body. Accepts applicants from all 5C's.

Website: <http://roberts-environmental-center.cmc.edu/>

Claremont Energy Challenge

Claremont is competing against 50 cities across the United States for a \$5 million prize as a part of the Georgetown University Energy Prize competition. The goal is to reduce and rethink energy use over the next two years by developing an innovative, community-wide plan. Claremont Energy Challenge offers internship and volunteer opportunities in an effort to reduce the energy consumption of Claremont.

Website: <http://claremontenergychallenge.net/>

Sustainable Claremont

Sustainable Claremont is a non-profit in Claremont that hosts volunteer and internship opportunities for students.

Website: <http://sustainableclaremont.org/>

Sustainability Integration Office

The Sustainability Integration Office develops, coordinates and assesses sustainability efforts throughout Pomona College. The office is located in the basement of Harwood Court, with the entrance facing the east walkway between Harwood Court and Mudd Residence Hall. Contact sustainability@pomona.edu for more info.

Website: www.pomona.edu/administration/sustainability

Huerta del Valle

Huerta del Valle is a community garden in Ontario, CA, that grows organic food for local residents. The garden hosts volunteer and internship opportunities for students. Contact Pitzer's Community Engagement Center or Arthur Levine arthur_levine@pitzer.edu to get involved.

Website: <http://hdv-huertadelvalle.blogspot.com/>



Local Government

Take action by communicating or interning with local government.

Claremont City Council
www.ci.claremont.ca.us/government/city-council

LA County
www.lacounty.gov/

State of California
www.ca.gov/



Pitzer College Sustainability Office
Gold Student Center 201
<http://pitweb.pitzer.edu/sustainability/>
sustainability@pitzer.edu
909.607.0278