



You herd right - free water!

healthy
UC DAVIS

UNIVERSITY
OF
CALIFORNIA

Healthy Campus
Network

UNIVERSITY
OF
CALIFORNIA

Systemwide
Wellbeing

water





shell-ect free filtered water

healthy
UC DAVIS



Healthy Campus
Network

Systemwide
Wellbeing

water





You otter drink water

healthy
UC DAVIS



Healthy Campus
Network



Systemwide
Wellbeing

water





STOP!



**Food waste and other compost make up the largest stream in our landfills.
What do you want to do?**

Compost

Landfill



UC DAVIS

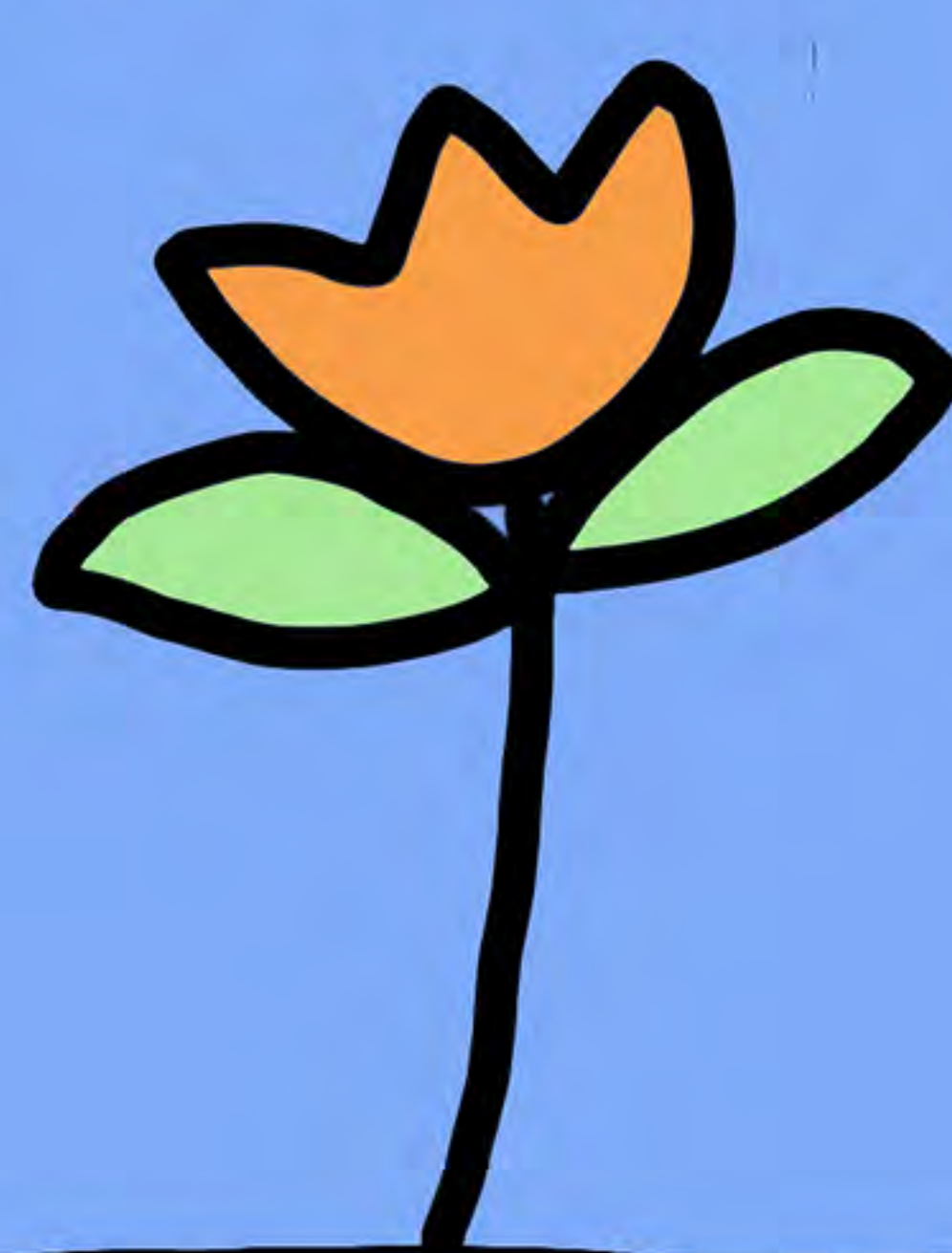
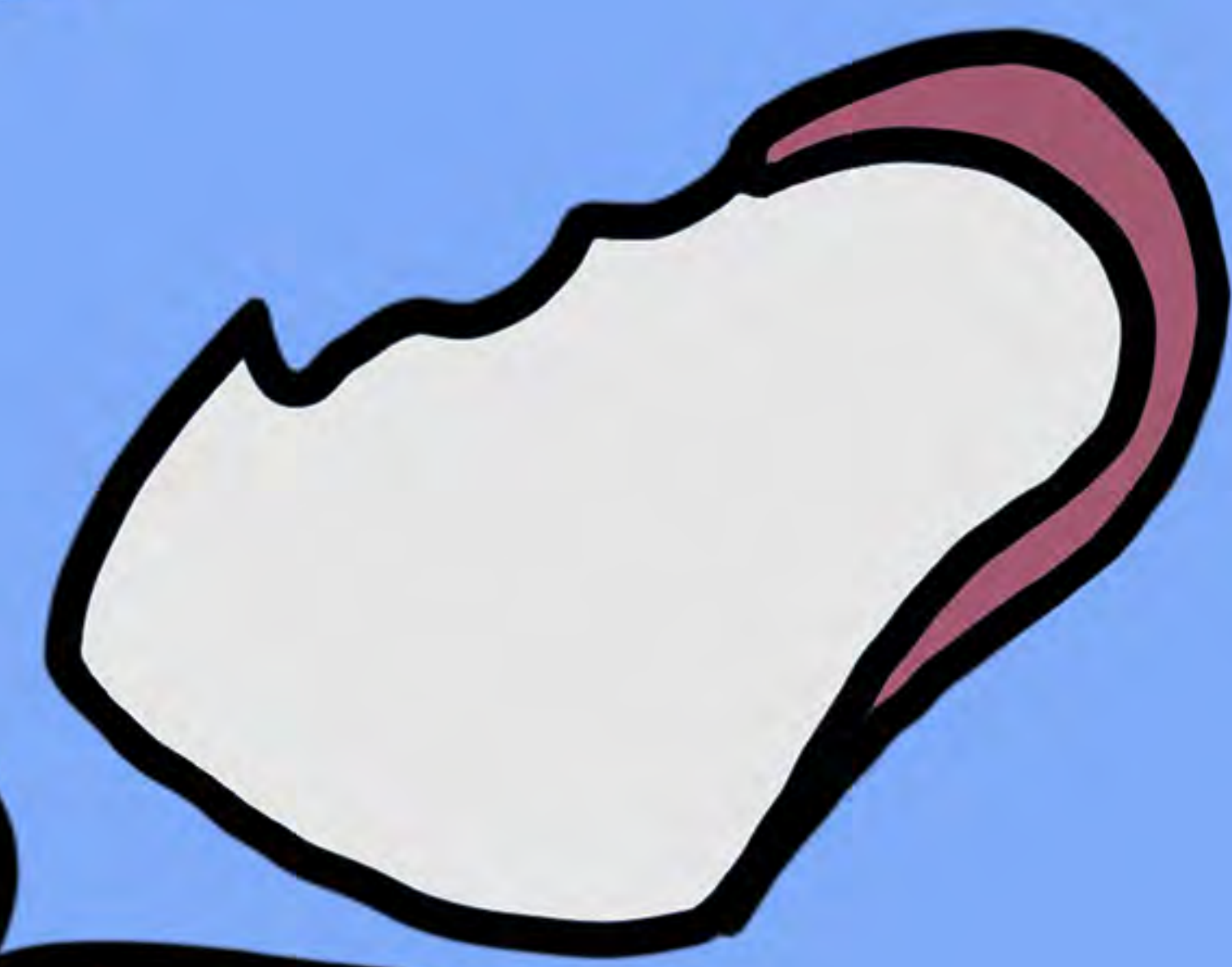
#DavisCompostCrew

13,100 tons of organic waste diverted 2018-19'

LET'S KEEP IT GOING!



feed me!



COMPOST

= LESS

LANDFILL WASTE



GALPST



lower carbon
footprint

divert from landfill

retain soil moisture

DON'T WAIT, COMPOST YOUR WASTE

prevent
erosion

lower greenhouse
gas emissions

protect plants

Roots on Campus Tree Planting Series

Project Goals

The Roots on Campus tree planting event began in 2019 and aims to connect the UC Davis community to alternative, natural methods that help contribute to a more sustainable environment. Planting relied on the stewardship of volunteers. As the trees grow over time, students, staff and faculty will start to make connections to the long-term benefits that trees can provide to the overall quality of urban life.



UC Carbon Neutrality Initiative

This project helps provide solutions to the UC Carbon Neutrality Initiative (CNI). The CNI carbon sequestration efforts on campus to achieve net zero greenhouse gas emissions by 2025.

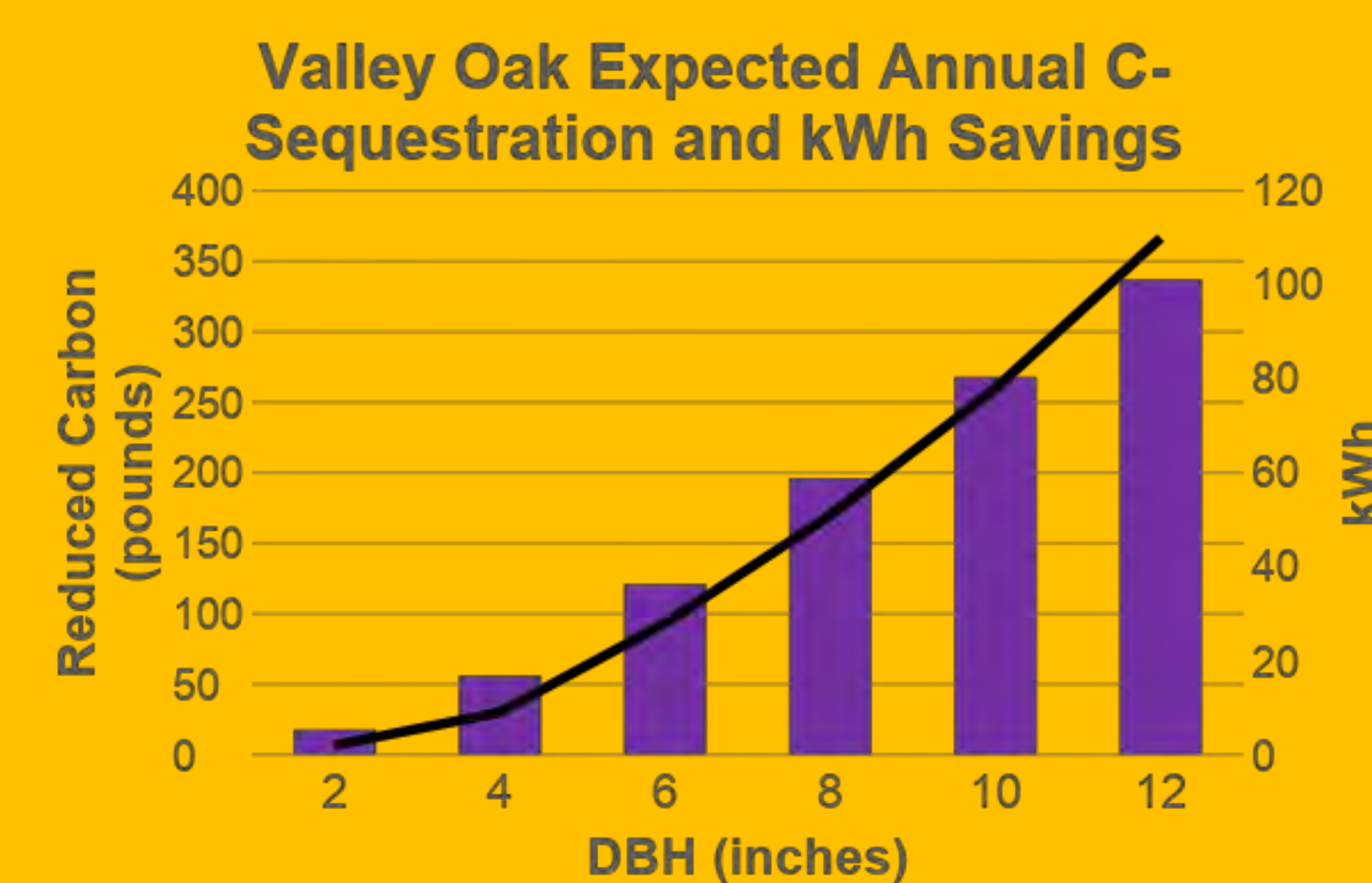
Urban Forestry & Carbon Sequestration

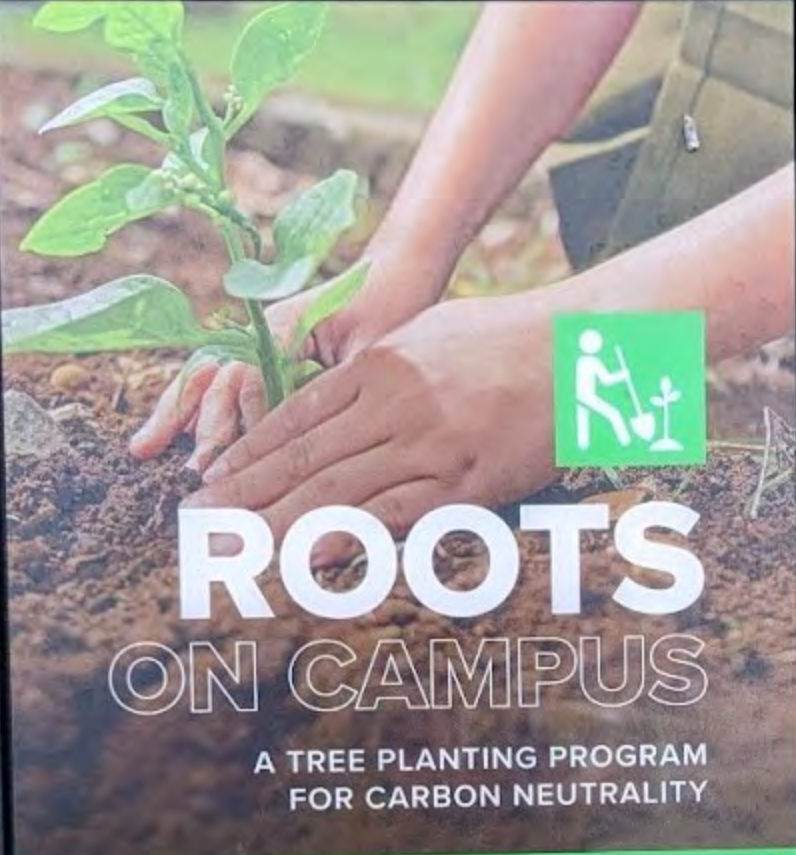
Urban forestry plays a significant role in reducing atmospheric CO₂. Trees act as sinks for CO₂ by fixing carbon during photosynthesis and storing excess carbon as biomass. Trees sequester and store carbon in their tissues at different rates and amounts based on varying factors such as size at maturity, life span, and growth rate. When trees die and decay, they release much of the stored carbon back into the atmosphere; carbon storage, therefore, is an indication of the amount of carbon that can be lost if trees die and decompose. Trees also indirectly reduce atmospheric carbon by lowering the demand for energy and reducing CO₂ emissions from the consumption of natural gas and the generation of electric power. Carbon avoided is measured by the amount of reduced energy use due to placement of shade trees near buildings.

This project could not have been completed without the support of various campus departments and individuals. Maximum long-term impact required location planning and species selection.

Partners:

- Melanie Gentles, Campus Arborist
- UC Davis Arboretum and Public Garden
- Office of Sustainability
- TGIF (The Green Initiative Fund)





ROOTS ON CAMPUS

A TREE PLANTING PROGRAM
FOR CARBON NEUTRALITY

The **Roots on Campus tree planting program** began in 2019 and aims to engage the UC Davis community in shaping a more sustainable campus environment. Volunteers help plant these trees. As the trees grow over time, students, faculty, and staff can experience the long-term benefits that trees contribute to the overall quality of urban life.

UC CARBON NEUTRALITY INITIATIVE

The Roots on Campus program helps provide a carbon sequestration solution as part of the Carbon Neutrality Initiative (CNI). The CNI calls for the University of California to achieve net zero greenhouse gas emissions by 2025.



UC DAVIS | SUSTAINABILITY
sustainability.ucdavis.edu


ROOTS
ON CAMPUS
A TREE PLANTING PROGRAM
FOR CARBON NEUTRALITY

The Roots on Campus tree planting program began in 2015 and aims to engage the UC Davis community in shaping a more sustainable campus environment. Volunteers help plant these trees. As the trees grow over time, students, faculty, and staff can experience the long-term benefits that trees contribute to the overall quality of urban life.

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LANDFILL

Plastic Utensils,
Straws and Juice
Cartons



Plastic Bags,
Wrappers
and Gloves



Expanded
Polystyrene Foam
Cups and Containers





PAPER

Paperboard

(no plastic film and bags)



Mixed Paper



No bubble wrap mailers,
food containers, paper
cups, cardboard

(break down boxes and place
next to recycle bins)





COMPOST

Solid and Liquid
Food Waste



Food-Soiled or
Waxed Paper
and Cardboard



Compostable Plastic
and Wood Items





CONTAINERS

Metal Containers and Aluminum Foil

(no scrap metal)



Glass Containers

(no Pyrex)



Plastic Containers

(no bags, film, or bubble wrap)
#1 and #2 Plastics accepted.
Contact us or check our website below for other
plastics recycling information.



Sustainable Design

Providing Healthy and Wholesome Food from the Ground Up - Cuarto Dining Mission Statement



INNOVATION FACTS

- Locally grown food
- Sustainably grown food
- Nutritional labeling
- Organic waste diversion
- Education program
- Green cleaning



SUSTAINABLE SITES

- Community proximity
- Public transportation access
- Bicycle parking
- Reflective roofing material
- Solar thermal panels



WATER

- Low-flow toilets: 40%
- Self-cleaning faucets
- High-efficiency showers
- High-efficiency landscaping



ENERGY & ATMOSPHERE

- Increased natural light
- Increased lighting control
- Efficient HVAC equipment
- Optimize energy performance
- No CFC-based refrigerants



MATERIALS & RESOURCES

- Building interior reuse
- Recycled content materials
- Rapidly renewable resources
- FSC certified wood products
- Recycled content furniture
- Furniture reuse
- Construction waste management



INDOOR ENVIRONMENTAL QUALITY

- Low-emitting finishes
- Thermal comfort monitoring
- Outside air delivery monitoring
- Pollutant source control

What is LEED?

Leadership in Energy and Environmental Design, LEED, is an internationally recognized green building certification system, providing third-party verification that a building or community was designed and built using strategies aimed at improving performance across all metrics that matter most: energy savings, water efficiency, CO₂ emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts.



LEED at UC Davis

UC Davis celebrates a long-term commitment to environmental, economic and social sustainability. We use our strengths in teaching, research and public service to address society's most pressing problems. Ideas that start on campus - powered by faculty, students and staff - transform the world.



SUSTAINABLE SITES

- Previously developed site
- Community connectivity
- Public transportation access
- Bicycle parking
- No additional parking added
- Bioswales
- Pervious and reflective concrete
- Reflective roofing material



WATER EFFICIENCY

- High efficiency fixtures designed to reduce potable water use by 31%
- Irrigation controls designed to reduce potable water use for irrigation by 55%
- Indigenous landscaping



ENERGY & ATMOSPHERE

- Optimized energy performance / Energy cost savings of 31%
- Efficient HVAC equipment
- Efficient LED lighting



INNOVATION & DESIGN

- An active sustainability educational program



MATERIALS & RESOURCES

- Comprehensive waste diversion plan
- 97% of construction waste diverted from landfills.



INDOOR ENVIRONMENTAL QUALITY

- Implemented an Indoor Air Quality Plan during construction
- Implemented an Indoor Air Quality Plan prior to occupancy
- Products with little or no VOC's (Volatile Organic Compounds) to enhance the indoor air quality.
- Walk off mats at building entrances to limit pollutants coming inside.
- Residents have control over lighting, operable windows and thermostats with an energy efficient range setting. All occupied spaces provide a view to the outdoors.

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- Public transportation access
- Bicycle parking
- No additional parking added
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- Pervious and reflective concrete
- Reflective roofing material



WATER EFFICIENCY

- Water use reduction 34%
- High efficiency fixtures
- Indigenous landscaping



ENERGY & ATMOSPHERE

- Optimized energy performance / Energy Savings of 51%
- Efficient HVAC equipment
- Efficient lighting
- No CFC-based refrigerants



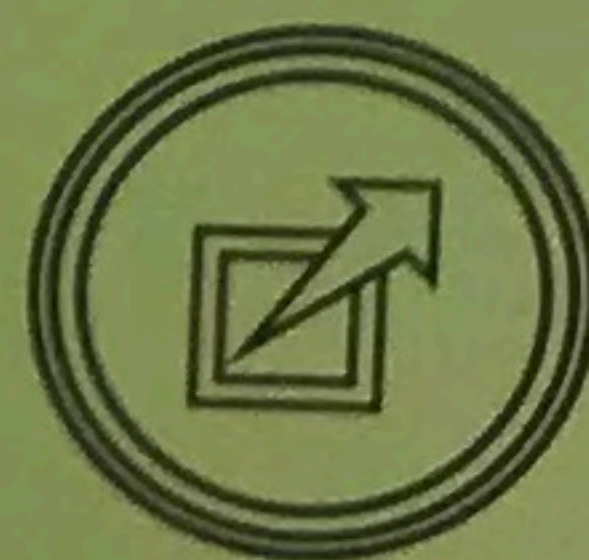
MATERIALS & RESOURCES

- Construction waste diverted from landfills: 95%
- Recycled content materials
- Regionally sourced materials



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- All occupied spaces provide a view to the outdoors



INNOVATION & DESIGN

- Implemented a green cleaning policy
- Task lighting provided at each resident's desk
- Furnishings that meet industry green standards
- Active sustainability educational program



**SAVE
WATER**



REPORT LEAKS TO
(530) 752-1655

UCDAVIS

Get Involved with Sustainability

Sign up for our newsletter

- Written by students, for students
- Updates on sustainability events, job & volunteer opportunities, and sustainable living tips

Volunteer at the Resident Garden @ Segundo

- Weekly open volunteer hours
- Adopt your own plot
- No experience necessary

Become a sustainability champion

- Promote sustainability in your Res Hall
- Meet new people
- Get a free T-shirt and other incentives for participating

Email sustainablehousing@ucdavis.edu to sign up or learn more

UC DAVIS
STUDENT HOUSING
AND DINING SERVICES