

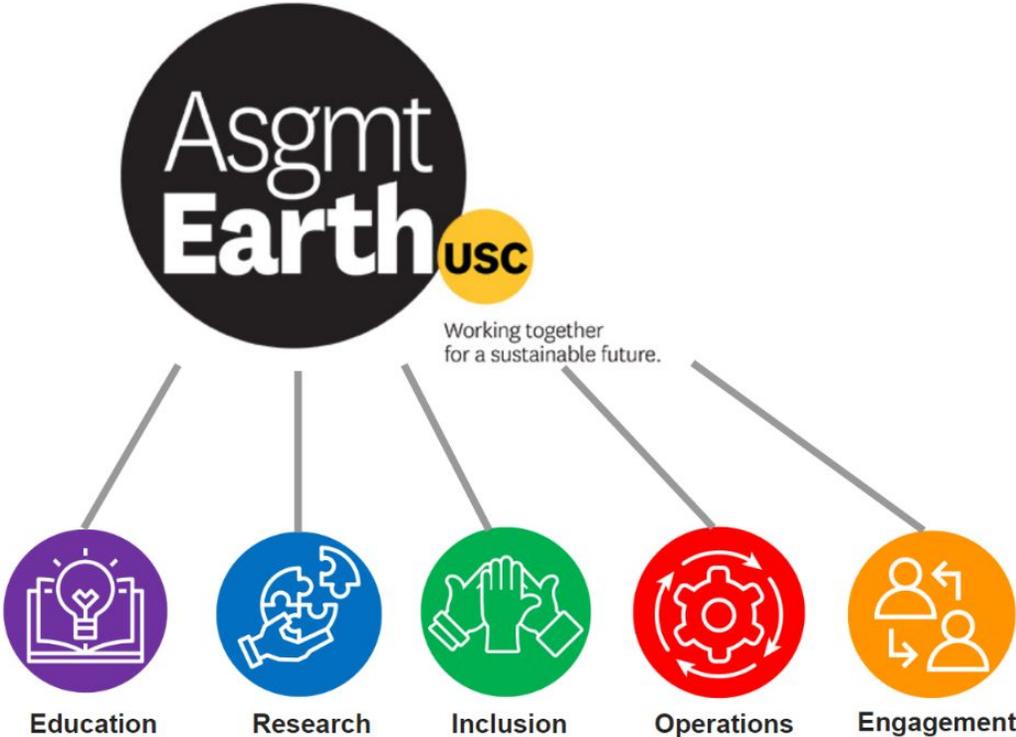
*Staff Assembly Presents:*  
**How to be a Sustainable Trojan**

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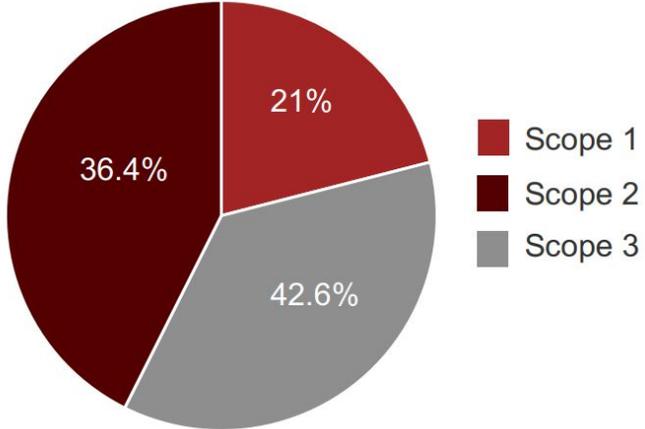
USC Office of Sustainability  
Brad Haydel  
April 19, 2023

# ASSIGNMENT: EARTH - KEY GOALS

- Increase **sustainability courses** by 10 each year, as well as new majors, minors, certificates
- Double **sustainability research** by 2028
- **Climate neutrality** by 2025
- **Zero waste** by 2028
- **20% water reduction** by 2028



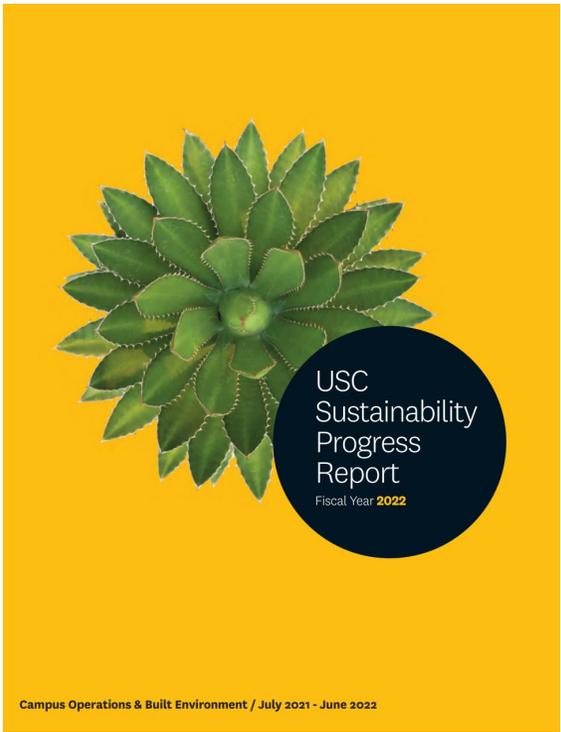
# Sustainability Progress Reports



Scope	MTCDE	% of Total
1	34,682	21%
2	60,117	36.4%
3	70,286	42.6%
<b>TOTAL</b>	<b>165,085</b>	<b>100%</b>

In FY22, USC’s total academic facilities GHG emissions are **165,085 metric tons carbon dioxide equivalent (MTCDE)**.

**Scopes 1 & 2** GHG emissions are **94,799 MTCDE** (31.6% lower than the FY14 baseline), and **Scopes 3** GHG emissions are **70,286 MTCDE** (48.9% lower than the FY14 baseline).



# Sustainability Map



The screenshot displays the USC Sustainability Map interface. At the top, there are tabs for "University Park Campus" and "Health Sciences Campus". A search bar is present with the text "Search USC Map" and a "Search" button. Below the search bar is a photo of a fountain with the labels "Locations" and "Tours". A filter menu is open, showing a list of sustainability features with checkboxes:

- Sort: Default (CLEAR)
- Back Sustainability at USC
- Battery Recycling Receptacles
- Bicycle Racks
- Electric Vehicle Chargers
- Green Projects
- LEED Certified Buildings
- Multistream Waste Bins
- Native Plant Beds
- Water Bottle Refill Stations

The map shows a grid of streets including W 27th St, W 28th St, W 29th St, W 30th St, W 31st St, W 32nd St, W 33rd St, W 34th St, W 35th St, W 36th St, W 37th St, W 38th St, W 39th St, W 40th St, W 41st St, W 42nd St, W 43rd St, W 44th St, W 45th St, W 46th St, W 47th St, W 48th St, W 49th St, W 50th St, W 51st St, W 52nd St, W 53rd St, W 54th St, W 55th St, W 56th St, W 57th St, W 58th St, W 59th St, W 60th St, W 61st St, W 62nd St, W 63rd St, W 64th St, W 65th St, W 66th St, W 67th St, W 68th St, W 69th St, W 70th St, W 71st St, W 72nd St, W 73rd St, W 74th St, W 75th St, W 76th St, W 77th St, W 78th St, W 79th St, W 80th St, W 81st St, W 82nd St, W 83rd St, W 84th St, W 85th St, W 86th St, W 87th St, W 88th St, W 89th St, W 90th St, W 91st St, W 92nd St, W 93rd St, W 94th St, W 95th St, W 96th St, W 97th St, W 98th St, W 99th St, W 100th St. The map is populated with various icons representing sustainability features such as water bottle refill stations, bicycle racks, and green projects.



# Sustainability Stuff You Don't See at USC

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USC Sustainability

# Plan Your Trips with Traveler



HOME

LOGIN HERE

REGISTER

CONTACT US

FAQS

## Welcome to Traveler

The best way to travel around campus

A Start

B Destination

GET TRAVELING



## Commuter Cost Calculator

Miles from your home to USC

Average number of days you drive to work per week

Average miles per gallon for your vehicle

Average price you pay per gallon of gas

Average monthly parking permit cost

Choose your nearest train station (optional)

Calculate



USC Sustainability

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# Carpooling Program

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## Benefits to You and the Environment:

- Reduces local air pollution
- Shortens average commute by 20 minutes
- Increases bike/pedestrian safety by taking cars off the road
- Allows more time for relaxation
- Saves you money on gasoline, parking costs, vehicle maintenance, and insurance
- Prolongs the life of your current vehicle

**UPC Carpool Form**  
**HSC Carpool Form**



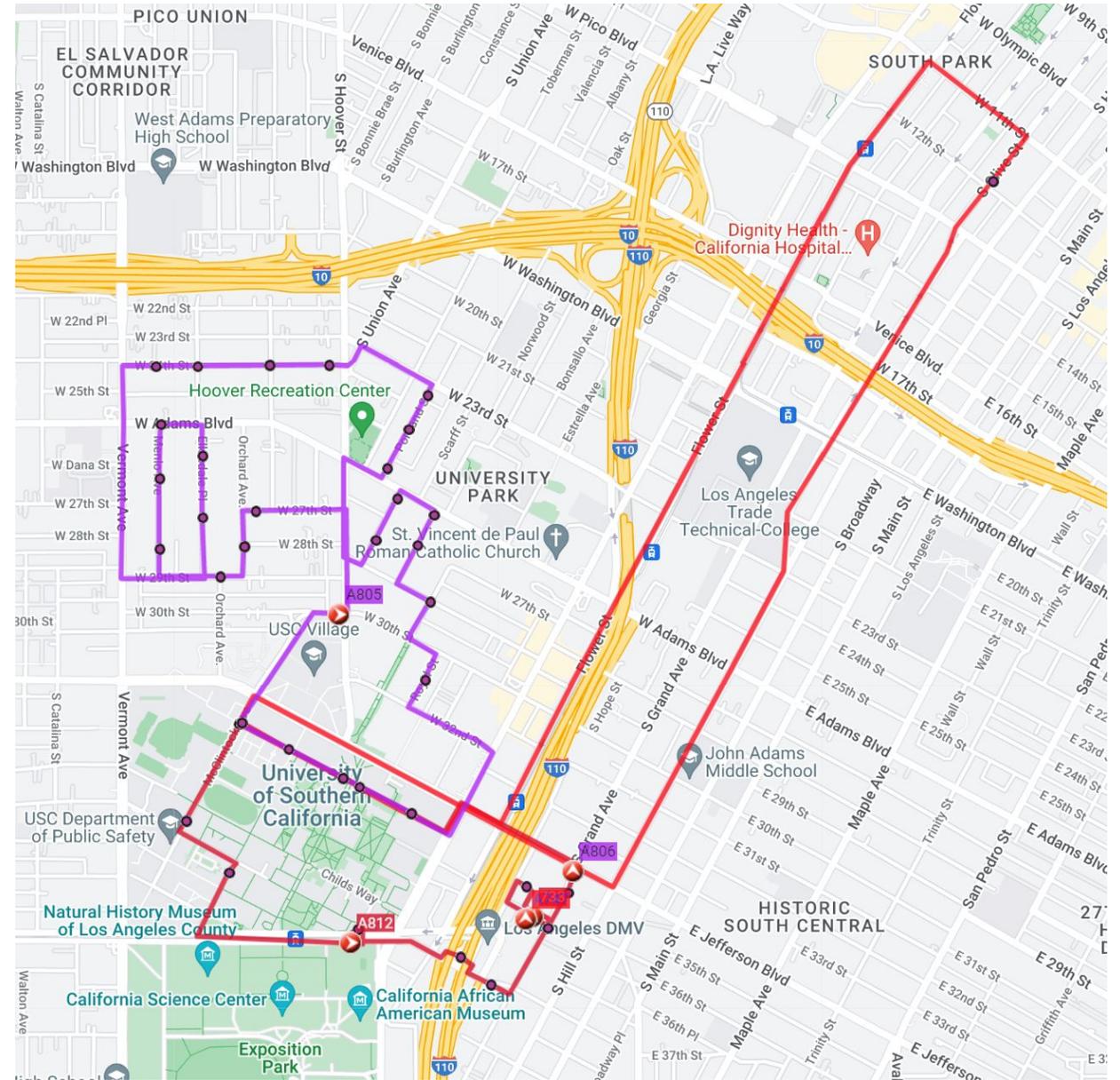
**USC** Sustainability

# USC Buses

Extensive network of free buses throughout the year

- USC's main campus
- North University Park neighborhood
- USC Parking Center
- USC Health Sciences Campus
- Marina Del Rey ISI/ICT locations
- Keck USC of Alhambra
- Union Station

Keep up to date with schedules or even track a bus while you wait! <https://www.uscbuses.com/>



# Faculty & Staff Transit Subsidy



Transit Mode	Monthly Fare	USC Subsidized Fare
LA Metro E-Pass	\$80	\$40
EZ Transit Pass	\$110	\$55
Commuter Express 30-day Pass (Base Fare)	\$57	\$28.50
MetroLink	Dependent on origin	50% of fare



# Make Your Event More Sustainable



To reduce your carbon foot print, reduce the amount of meat you serve and/or consider serving a vegetarian menu.



Stop waste before it starts. Consider not giving away swag.



A day or two before your event, connect with local organizations such as [St. Francis](#) or the [Trojan Food Pantry](#) to set up leftover food donations.



COMPOST

Provide composting bins and contact FPM a day prior to the event to schedule compost pickup post-event. Assign volunteers to help guests recycle and compost properly.



RECYCLE

FPM can provide waste bins with “landfill” and “recycling” signage. Check out [RecycLA.com](#) for more waste sorting instructions and signage.



## Single-Use Plastics



## What You Can Do

- Use a refillable water bottle, and fill up at one of the [205 hydration stations across campuses](#).
- Take the [sustainability pledge](#) and get 10% off on a reusable water bottle from the USC Bookstore.
- Book your campus events with [USC Hospitality Private Events and Conferences](#) and request caterers and materials that prioritize waste reduction.
- Avoid single-use items for events and everyday living. Prioritize reuse, and products that can be safely used multiple times.

## What USC is doing

- Providing more access to compost and recycling waste streams. USC has installed 98 new exterior multi-stream waste bins across HSC, UPC, and USC Village.
- USC Hospitality has transitioned their dining operations away from single-use plastics to sustainable alternatives.
- USC's ban on single-use plastic beverage bottles has [kept over a million bottles out of landfills](#).



# Zero Waste Event Planning



Zero Waste ( <i>Services to Review for Zero Waste Events</i> )	Post Event Clean up must be requested in section <u>FPM Services 3</u>
Service	
1) Event Boxes (# of compost, recycle & trash) <ul style="list-style-type: none"> <li>a) Every 50 people you need 3 compost, 1 recycle &amp; 1 landfill</li> <li>b) <b>If catered, you need 1 additional set of compost, recycle and landfill boxes. To be used by caterers only (back of house).</b></li> </ul>	___ Compost ___ Recycle ___ Landfill
2) Number of Zero Waste Stations <ul style="list-style-type: none"> <li>a) These are <u>required centralized</u> locations for your event boxes</li> <li>b) Every 50 people you need 1 Zero Waste Station</li> <li>c) Dependent on the space you're using</li> </ul>	Number of stations ___
3) Sorters <ul style="list-style-type: none"> <li>a) Staff to direct attendees of proper disposal at the Zero waste Stations</li> <li>b) This is not required, but will eliminate potential contamination</li> </ul>	___ Sorters (Dependent upon availability)
4) Relining Boxes <ul style="list-style-type: none"> <li>a) Every 1 hours boxes will be serviced (if there are no sorters at the event)</li> </ul>	___ Length of Event
5) Plates, Cups, Utensils, Napkins, Etc. <ul style="list-style-type: none"> <li>a) Send physical samples or pictures to Zero Waste Team pre-event</li> </ul>	___ Sent Samples?
6) COMMERCIAL COMPOST DUMPSTERS (\$155.10 per bin and \$93.70 per disposal). Mandatory for Zero Waste events with over 50 guests <ul style="list-style-type: none"> <li>a) Rates are subject to change</li> </ul>	___ (# of temp compost bins)
7) Donations	Inform caterers of the expectation to donate leftover food from your event
*The Zero Waste Team will follow up with a call to discuss	



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# Energy Management

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## What USC is Doing:

- More solar projects
- LED lighting installations
- Energy efficiency projects
- Partnerships with local governments and utilities

## What You Can Do:

- Use fans instead of air conditioning
- Adjust thermostats to 78° in summer and 68° in winter
- Use natural lighting whenever possible
- Fully power down and unplug devices when not in use



# Springbrook 3 Solar Farm



## USC-LADWP agreement taps into offsite solar power for the university and its neighbors

The agreement will provide a quarter of USC’s electricity with power from a solar farm in Mojave. It also brings new opportunities for residents in nearby communities to gain access to affordable solar power.

The Los Angeles Department of Water and Power’s Springbok 3 Solar Farm in Mojave will virtually apply nearly 30% of its energy production to USC, resulting in offsetting one-quarter of the university’s annual electricity needs. (Photo/Courtesy of Arevon Energy Inc.)



# Water Conservation



## What USC is Doing:

- Installing low-flow, touchless faucets
- Installing water meters to provide real-time usage data
- Planting and maintaining native and drought-tolerant landscaping
- Deploying weather-based irrigation sensors

## What You Can Do:

- Take shorter showers
- Wash full cold-water loads of laundry
- Use dishwasher instead of handwashing
- Report leaky fixtures to [Facilities Planning & Management](#)



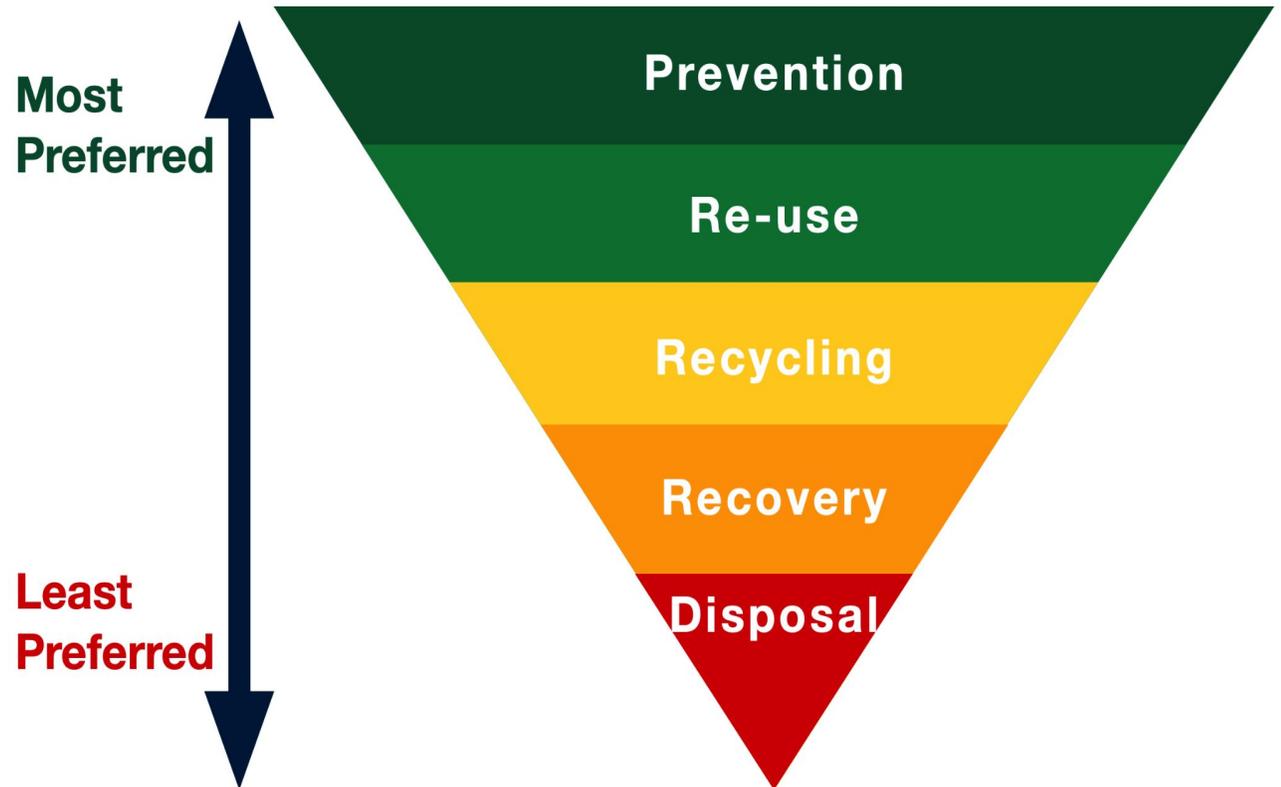
# Reducing Waste

## What USC is Doing:

- 95% of individually wrapped products eliminated from Residential Dining locations
- Water refill stations across UPC and HSC
- Green delivery methods from vendors like Office Depot reduce packaging materials

## What You Can Do:

- Use reusable food/beverage containers and utensils
- Use UPC + HSC water refill stations
- Buy food and products in bulk
- Donate unwanted items/electronics
- Donate leftover food



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# Sustainable Office Checklist

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**Capitalize on natural light**



**Avoid printing, or print double-sided if necessary**



**Use reusable food containers, utensils, and beverage containers**



**Power down and unplug devices at the end of your work day**



**Properly dispose of electronics at the end of their lifespan**



**Be a sustainability champion within your team by starting conversations!**





# USC University of Southern California



## SUSTAINABLE PROCUREMENT GUIDELINES

### PURPOSE

USC's Sustainable Procurement Guidelines lay out the sustainability requirements for products and services purchased by the university and identify those attributes that align with USC's goal to purchase sustainable goods and services that perform well and can be acquired at a reasonable cost.

It is critical that all campus constituents make best efforts to prioritize these guidelines when making purchasing decisions. The USC procurement department will seek to promote and contract with suppliers who prioritize sustainable practices in their product and service offerings, whenever practical.

To learn more about sustainable purchasing at USC, refer to the [Sustainable Purchasing](#) page on the USC Business Services website.



# USC Sustainability Website

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<https://sustainability.usc.edu/>



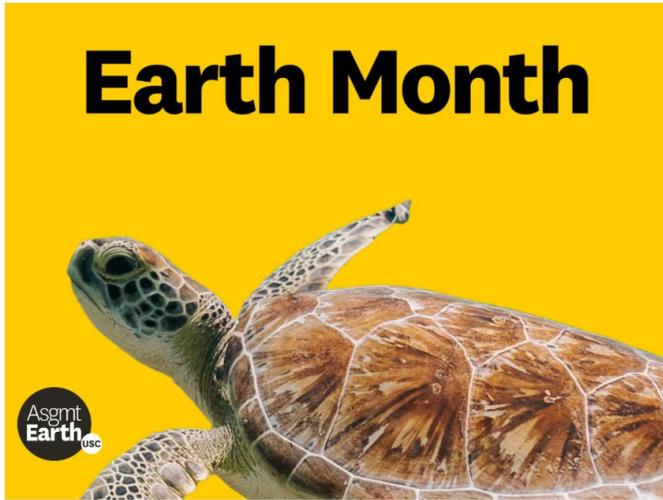
Assignment: Earth ▾ Take Action Making Progress Directory News ▾ Events ▾ Office of Sustainability ▾ Give Now



# Sustainability Newsletter



## USC Sustainability



### IN THIS ISSUE

- [Upcoming Events](#)
- [Campus Sustainability News](#)
- [Sustainability Superstar](#)
- [Hot Topics in Sustainability Beyond USC](#)
- [In Case You Missed It](#)
- [Green Job Opportunities](#)

- **April 20** - [An Evening with The Intersectional Environmentalist Leah Thomas](#)
- **April 21** - [Engineers for Earth Day: Wikipedia Editathon](#)
- **April 21** - [SC Garden Club Earth Day Bash](#)
- **April 21** - [Earth Day Shabbat](#)
- **April 22** - [LA Times Festival of Books: Sagas of Changing Climate - Panel 1102](#)
- **April 22** - [LA Times Festival of Books: Net Zero: California Climate Policy and The Future of Energy - Panel 1062](#)
- **April 22** - [LA Times Festival of Books: Climate Science: Love Your Mother \(Earth\) - Panel 1143](#)
- **April 22** - [LA Times Festival of Books: Middle Grade Fiction - Courageous Kids Protecting the Planet](#)
- **April 23** - [USC Fieser Research Group Earth Week Alamitos Beach Clean-Up](#)
- **April 24** - [Levan Institute for the Humanities Book Chats—Christina Dunbar-Hester, Oil Beach: How Toxic Infrastructure Threatens Life in the Ports of Los Angeles and Beyond](#)
- **April 28** - [SCEHSC Seminar Series: "Delivering a Net Zero Health Care System" with Nick Watts, MD](#)



# Stay Connected

## Connect With Us Online

 <https://www.instagram.com/green.usc/>

 <https://www.facebook.com/USCOfficeofSustainability>

 <https://twitter.com/GreenUSC>

 <https://www.tiktok.com/@green.usc?>

 <http://green.usc.edu/subscribe>

<https://uscsupdate.slack.com>



**USC Supdate** 

- Mentions & reactions
- Slack Connect
- More

Channels

- # classes 1
- # donations 1
- # eco-friendly-fun 1
- # green-events 1
- # jobs-and-intern... 1
- # research 1
- # student-orgs 2
- # sustainability-le... 2
- # general 4
- # scholarships-and-aw...

+ Add channels

Direct messag...

-  Sam Schongalla 2
-  Bradley Haydel you
- + Add coworkers

# general Welcome to the Supdate!

 1,265

1 Pinned + Add a bookmark



1 

Today

 **Lilian Ledesma** 10:06 AM  
Explore how USC is achieving its sustainability goals on campus and in the community, and how YOU can help by taking the **USC Student Sustainability Training!**

This Trojan Learn course will cover sustainability issues at both the global and university-level, USC's sustainability framework called Assignment: Earth, and the many ways for students to get involved.

Take the training today: <https://sustainability.usc.edu/student-sustainability-training/>

Student Sustainability Training\_1920x1080px.png



4  3 



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# Parting Thoughts

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- Transition to a plant-forward diet
- Use public and active transportation
- Take five-minute showers
- Use durable and reusable products
- Join the Supdate on Slack
- Energy efficiency upgrades
- Use your vote to shape policy
- Start conversations with friends and family



USC Hospitality

## Healthy Dining on Campus

A guide to healthy eating at USC

Brought to you by USC Hospitality in partnership with USC WorkWell Center



USC Sustainability

# Questions?

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Office of Sustainability

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[green.usc.edu](http://green.usc.edu)

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