



Upcoming Changes to the Waste System

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Zero Waste Systems Manager

Agenda

- Why we are making changes
- What is changing
- How individuals participate
- Feedback



Reason for Changes

1. Stanford University set a goal of Zero Waste by 2030

- In 2020, our diversion rate was 67%
- In 2030, we want to be at a 90% diversion rate

2. Realignment of Contracted Services

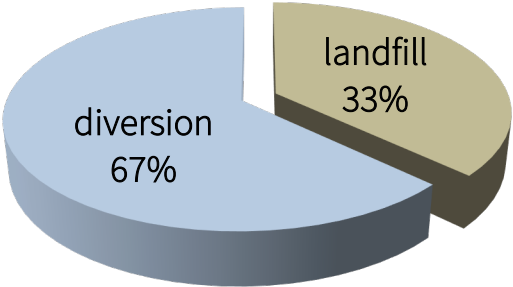
- Custodians will remove recyclables, compostables, and landfill waste from buildings

3. California State Laws

- Require more compostable material diverted
- Require more recyclables diverted
- Require less contamination

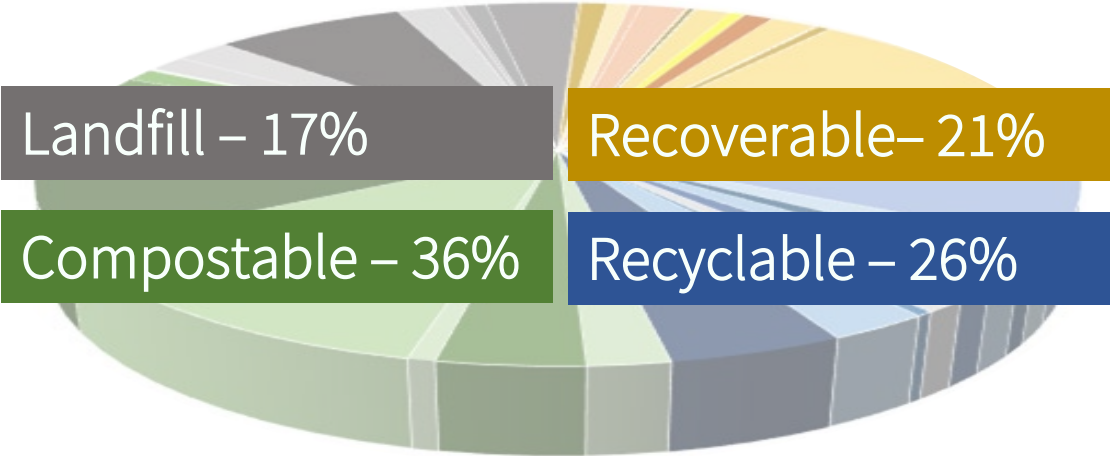
Stanford's Waste Composition

**Waste Generation:
26,380 tons**



Current Diversion: 67%
Diversion Goal: 90% by 2030

Future landfill could be as low as **6%**.



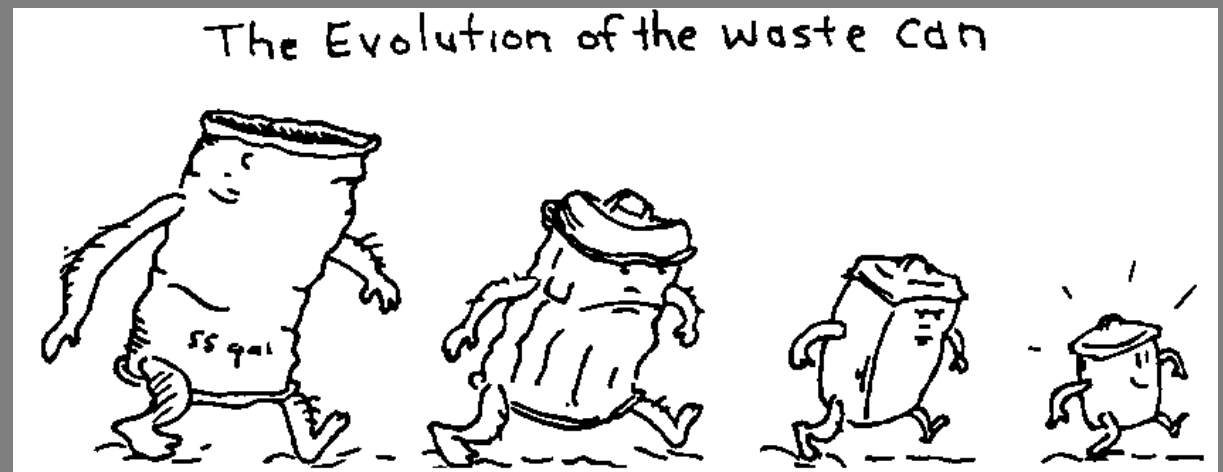
Zero Waste Pathway

- Zero Waste Plan identifies over 45 programs to reduce waste that together will allow us to reach 90% and higher reduction.

Grouped Reduction Options	Cumulative Percent Diverted	Estimated Completion Year
Enhanced reuse programs	65%	2022
Improved recycling & composting in Stanford cafes	71%	2023
Convert to single stream recycling	73%	2025
Expanded recycling infrastructure & programs	76%	2026
Athletics event recycling & composting	77%	2027
Food rescue and donation programs	78%	2028
Procurement programs	82%	2029
Expanded composting programs	86%	2030
Expand common area waste stations in offices	90%	2030
Lab recycling & composting programs	91%	2030
Expanded R&DE infrastructure & programs	93%	2030

Change Can Be Challenging

But we have created an easy and systematic waste system....



Overview of Changes for Buildings

- Indoor Changes

- Use of centralized waste and recycling bins and elimination of deskside trash and recycling custodial service in offices. Daily service to labs, kitchens, conference rooms, and commons spaces will not change.
- Custodians will remove all recyclables, compostables and landfill waste from common spaces in building, daily, 5x/week, in addition to higher levels of cleaning and sanitization.
- Removal of all wheeled carts (high touch), replaced with Rubbermaid Slim Jims (low touch)
- Switch to Single Stream Recycling (combined paper with plastics, metal, and glass)
- Add centralized collection of flattened corrugated cardboard in or next to recycling bins.
- Add compostable collection in breakrooms and kitchens
- Add paper towels collected as compostables from restrooms. Trash will have its own small bin in restrooms

- Outdoor Changes

- Dumpster capacity and service levels will be right sized.
- Cardboard dumpster will become single stream recycling dumpster
- Compost dumpsters will be added



Centralized Collection Points



New Waste Collection

- New Waste Streams

RECYCLE



SUSTAINABLE STANFORD
zerowaste.stanford.edu

Paper 	Cardboard 	
Glass 	Plastic Containers 	Metals 

NO

 Food or Food Soiled Items	 Styrofoam or Plastic Bags
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STOP. THINK. SORT.

COMPOST



SUSTAINABLE STANFORD
zerowaste.stanford.edu

All Food 	Paper Towels, Napkins, Soiled Paper 
Compostable Materials 	

NO

 Human or Animal Waste	 Bathroom or Facial Tissues
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STOP. THINK. SORT.

LANDFILL



SUSTAINABLE STANFORD
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Styrofoam and Plastic Packaging 	Human or Animal Waste 
Ceramics or Non-Recyclable Glass 	

NO

 Recyclable or Compostable Material	 Electronics, Batteries, Lightbulbs
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STOP. THINK. SORT.

ZERO WASTE STANFORD

WASTE REDUCTION, RECYCLING AND COMPOSTING GUIDELINES

**STOP.
THINK.
SORT.**

RECYCLE paper, cardboard, plastics, metals, and glass all go in the same bin

YES



Paper that Tears



Cardboard Packaging



Milk and Juice Cartons



Rigid Plastic Containers



Metal Cans, Foil, and Scraps



Glass Jars and Bottles

NO



Contact with Food or Liquid



Napkins, Facial Tissue, Toilet Paper



Packaging Filler Material



Styrofoam or Plastic Bags



Plastic Utensils



Other Types of Glass

COMPOST food, soiled paper, and yard trimmings

YES



All Food



Paper Towels, Napkins, Soiled Paper



Compostable Materials

NO



Human or Animal Waste



Bathroom or Facial Tissue



Lab Gloves

LANDFILL ONLY if all else fails

YES



Styrofoam and Plastic Packaging



Human or Animal Waste



Ceramics or Non-Recyclable Glass

NO



Recyclable Materials



Compostable Materials



Electronics, Lightbulbs, Batteries

Learn more at sustainable.stanford.edu/waste

How to Participate

1. Educate yourself on the new system
 - Not all single stream recycling programs accept the same items.
2. Put recyclables in new single stream recycling bin (no food).
3. Flatten cardboard and put in or next to recycling bin.
4. Put compostables (food and plant material, food soiled paper, and compostable plastics) in compost bin.
5. Put paper towels (only) in the compost bin in the restroom.
6. Put items that don't go in the recycling or compost bin, in the centralized landfill trash bins.
7. If you use them, empty your deskside trash and recycling bins into centralized bins.
8. Don't contaminate the bins!
 - If in doubt, find out!
 - We will be auditing the waste bins to check on contamination levels and providing feedback.
9. Use reusable coffee cups, water bottles and utensils. BYO!
 - Compostables alternatives are great in a pinch, but are not better than reusables.

What Not to Do



Please be sure to sort materials into their proper categories and breakdown cardboard boxes.

What Not to Do



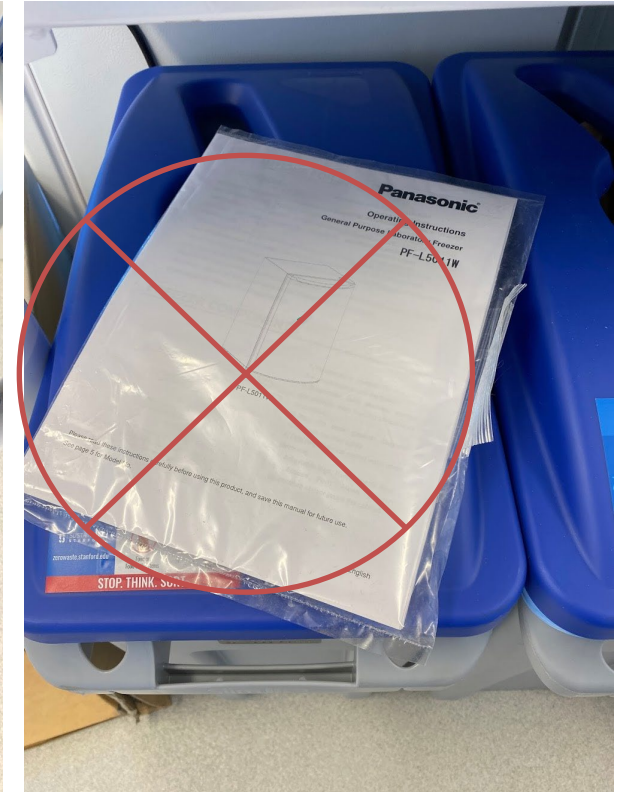
Empty and sort your personal deskside bins into centralized bins.



Be sure not to landfill plastic bottles.



Be sure not to landfill paper products.



Remove exterior plastic wrap, put plastic wrap in trash and paper in recycling bin.

Green Labs Programs

- [Cardinal Green Labs Sustainability Training module](#): designed to educate lab users on how to exercise sustainable behavior around lab supply purchasing, chemical use, energy efficiency, proper waste disposal, water consumption, and more. The web-based course can also be found in STARS under course number SST-7000.
- The [Cardinal Green Labs Sustainable Product Catalog](#) was recently launched to help labs purchase “green” supplies. Take a look at the list to see if there’s anything you can switch to a more sustainable option next time you buy!
- [Other Cardinal Green Lab Programs](#): Lab Share Event, Lab Glove Recycling...
- [Surplus Chemical Program](#) EH&S maintains an inventory of surplus chemicals that are available to the Stanford research community, free of charge.
- [Empty Container Decision Tree](#)

<https://sustainable.stanford.edu/cardinal-green>

Reuse Website and Surplus Property

<https://reuse.stanford.edu> or <https://sparc.stanford.edu>

ReUse Request

Post Ads

Post and manage ads for your unwanted items

View Ads

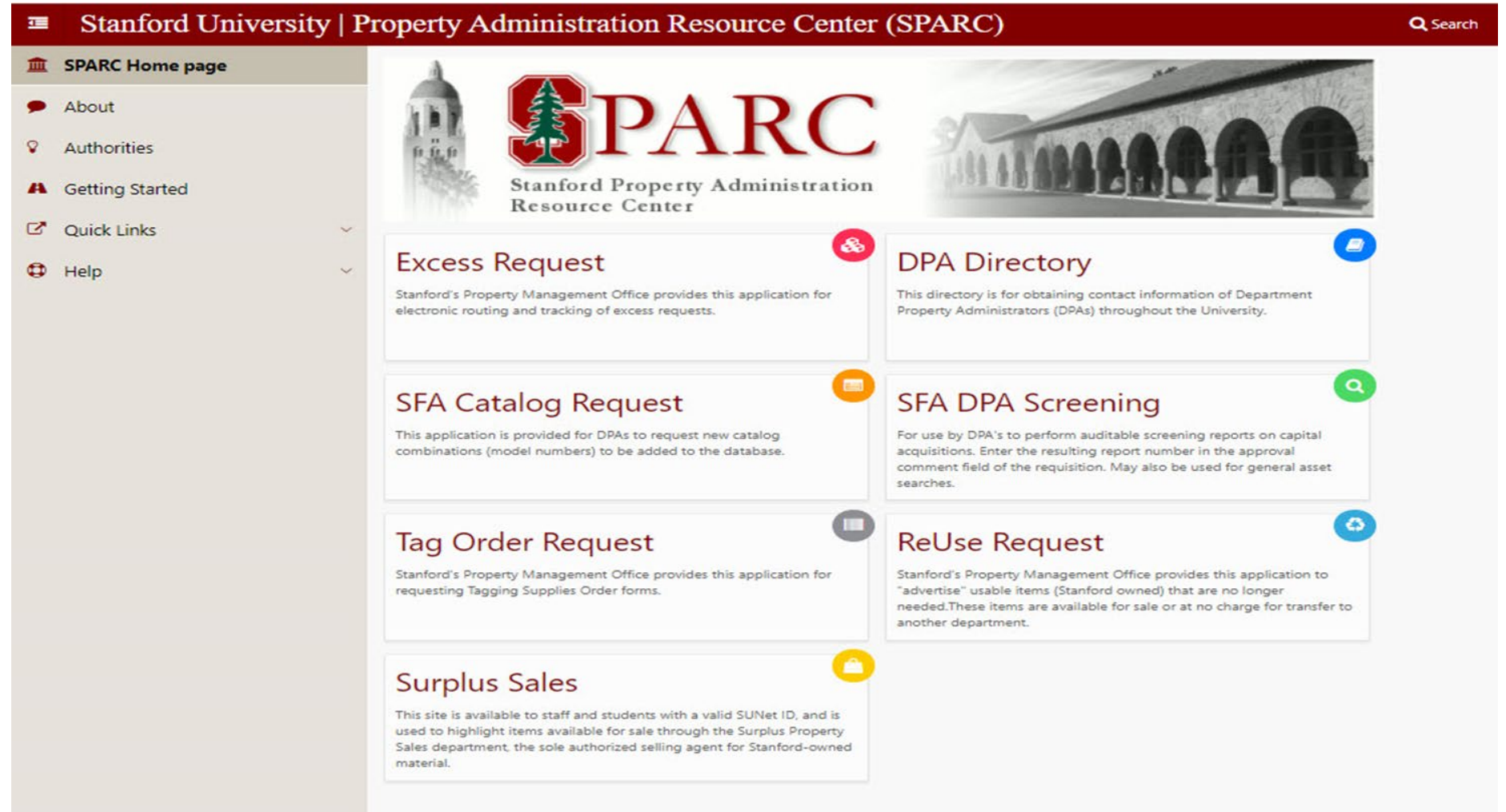
See ads posted from departments throughout the campus.

Subscribe

Get notified when specific items are posted

My Wish List

Place ads for specific items



Stanford University | Property Administration Resource Center (SPARC)

SPARC Home page

- About
- Authorities
- Getting Started
- Quick Links
- Help

Excess Request
Stanford's Property Management Office provides this application for electronic routing and tracking of excess requests.

DPA Directory
This directory is for obtaining contact information of Department Property Administrators (DPAs) throughout the University.

SFA Catalog Request
This application is provided for DPAs to request new catalog combinations (model numbers) to be added to the database.

SFA DPA Screening
For use by DPAs to perform auditable screening reports on capital acquisitions. Enter the resulting report number in the approval comment field of the requisition. May also be used for general asset searches.

Tag Order Request
Stanford's Property Management Office provides this application for requesting Tagging Supplies Order forms.

ReUse Request
Stanford's Property Management Office provides this application to "advertise" usable items (Stanford owned) that are no longer needed. These items are available for sale or at no charge for transfer to another department.

Surplus Sales
This site is available to staff and students with a valid SUNet ID, and is used to highlight items available for sale through the Surplus Property Sales department, the sole authorized selling agent for Stanford-owned material.

This site is for the reutilization of material on the Stanford campus, and is not for personal use, including home office settings. Further, the site is restricted to permanent university staff only – students, affiliates, and temporary staff do not have access.

Responsible Purchasing Guidelines

- [Responsible Purchasing Guidelines](#) provide a framework for guiding and encouraging campus consumer to include social and environmental impacts in their purchasing decisions.
- [Ecomedes Lookup Tool](#) house only the products that meet the Responsible Purchasing Guidelines for specific spend categories.
- [Amazon Sustainable Products Lists](#) These shopping lists, housed in Stanford's Amazon for Business iProcurement platform, focus on office and breakroom supplies.
- [Cardinal Print](#) Stanford's simple, secure, environmentally-friendly, and cost-effective printing solution



Responsible Purchasing Guidelines

Responsible purchasing has a number of benefits. Beyond environmental considerations, responsible purchasing also considers human health and well-being, financial savings, and risk mitigation. Environmental factors that determine whether a product is environmentally preferable include:

- Environmental and financial costs over the product's life
- Energy or water consumed during production
- Use of recycled or recyclable materials
- Minimal packaging
- Environmental impact of product disposal
- Toxicity of materials or application
- Durability and product life
- Maintenance needs

<https://sustainable.stanford.edu/cardinal-green>

1. Take survey

2. Action dashboard

3. Complete actions and earn points

4. Receive a \$75 reward

As occupants of the Zero Waste Pilot Buildings, you can earn points by:

- Participate in a Zero Waste Pilot Building Training (10 points)
- Review the new Zero Waste Guidelines for pilot buildings (2 points)
- Manage your personal waste using the new centralized bins in your Zero Waste Pilot Building (10 points)
- Breakdown your cardboard and recycle properly in your Zero Waste Pilot Building (5 points)
- Join the Cardinal Green Slack Channel and chat about your Zero Waste questions in your pilot building (2 points)
- Send educational messages to your building occupants about participation in the Zero Waste Pilot (**building and department leads**) (5 points)

<https://sustainable.stanford.edu/cardinal-green>

Feedback

Provide feedback

- We will trouble shoot issues and work through special situations
- Join the Cardinal Green Slack channel by searching "Cardinal Green" on Slack. (The Office of Sustainability hosts a weekly Sustainability Hour on Wednesday at noon where we aim to have a conversation about a particular sustainability topic and share resources.)
- Email me: juliemuir@stanford.edu

Special Note:

- Events are very important to our Zero Waste Goals! When we have events again, ask us how to make them low or no waste!



Questions?

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on Slack too

