



ZERO WASTE LIVING

MONTEREY
REGIONAL WASTE
MANAGEMENT
DISTRICT

MARCH 2, 2019



Monterey Regional Waste Management District



Turning Waste into Resources

- 67 Year History (formed in 1951)
- Publicly Owned/Operated
- \$34 Million Operating Budget
- Regional Recycling, Processing & Disposal Facility (470-acre site)
- Landfill: 100+ year capacity
- 140 Employees
- 9 Appointed Board Members
- Serving Central Coast Region (Monterey, Santa Cruz, & San Benito Counties)



MRWMD's Integrated Resource Recovery Facilities



Take A Virtual Tour
www.mrwmd.org



Yard Trimmings Composting



Organics to Energy



Landfill Gas to Energy



Hazardous Waste Collection



Last Chance Mercantile





Waste Disposal on the Monterey Peninsula, Early 1900s



Later... Burning by the Beach



How Much Waste Do We Make?

	Annual Per Capita Disposal Rate 2015	Annual Per Capita Disposal Rate 2016	Annual Per Capita Disposal Rate 2017
Carmel-by-the-Sea	7.8	8.5	10.2
Del Rey Oaks	4.4	4.5	5.3
Marina	3.8	5.3	6.3
Monterey	6.0	6.9	7.5
Monterey County	6.6	7.3	7.7
Pacific Grove	3.7	3.9	4.1
Sand City	8.5	7.6	8.9
Seaside	3.5	4	4.3



What Is



- An Idea
- A Goal
- A Way of Thinking
- A Plan
- A Diversion Level
- A Different Way of Shopping
- Recycling More
- ?

Zero Waste Defined

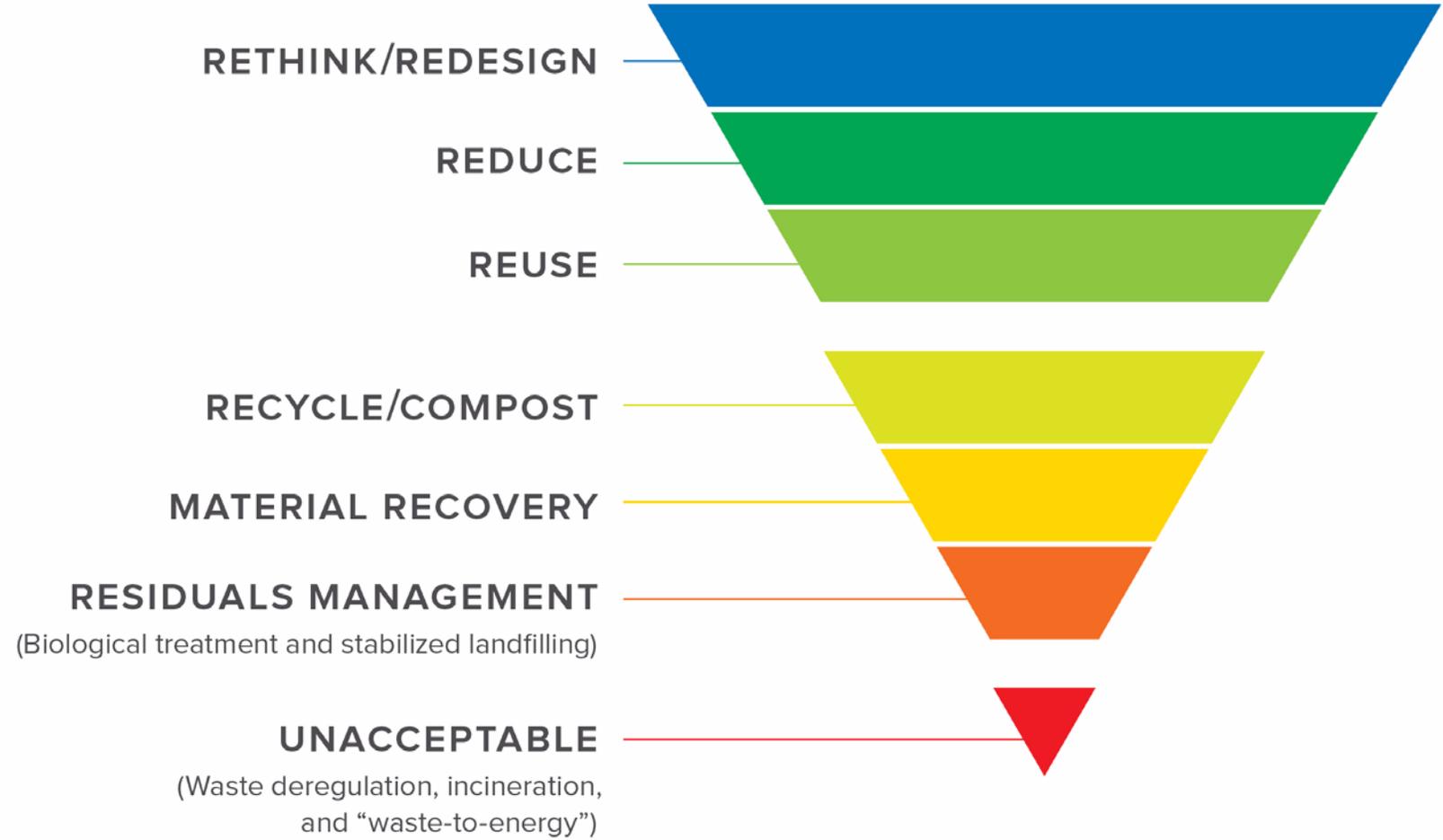
The conservation of all resources by means of responsible production, consumption, reuse, and recovery of all products, packaging, and materials, without burning them, and without discharges to land, water, or air that threaten the environment or human health.

Definition adopted by Zero Waste International Alliance





THE ZERO WASTE HIERARCHY

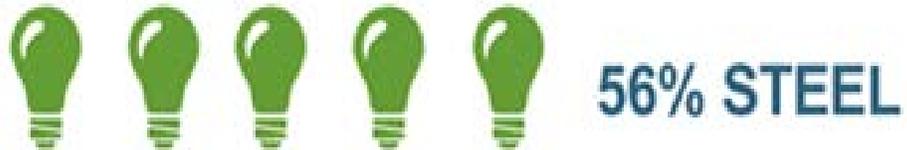
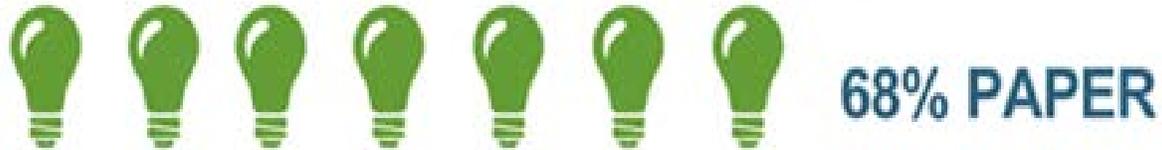


Why Zero Waste?

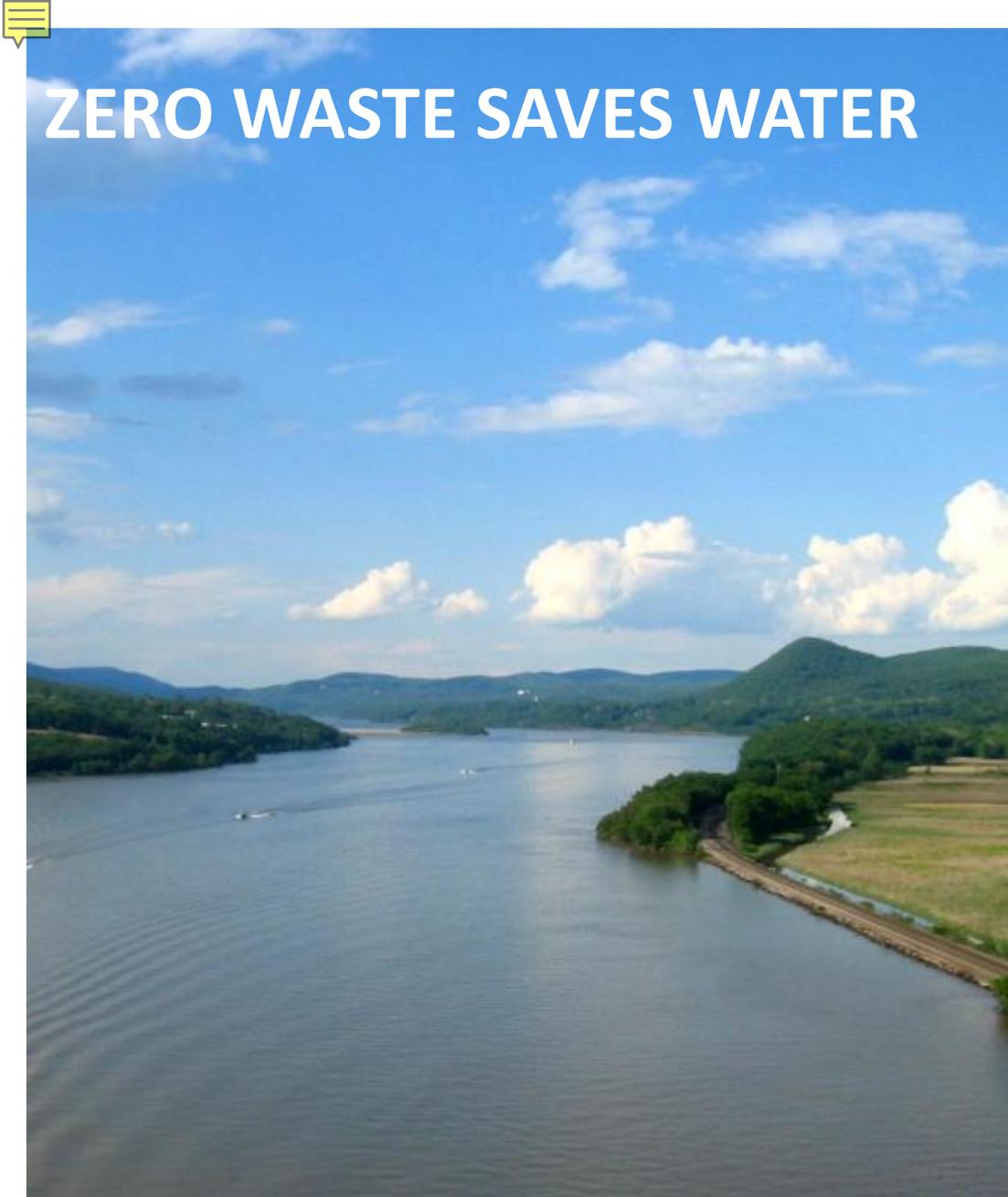


Energy Saved

Recycled vs Virgin Material



ZERO WASTE
SAVES ENERGY



ZERO WASTE SAVES WATER

25% of our freshwater supplies are used to grow the food.

Virgin pulp and paper mills are the largest industrial users of water per ton. Recycled paper reduces wastewater generation by more than 50%. Recycling one ton of paper saves 7,000 gallons of water.

Applying compost: conserves water, reduces irrigation demands, and helps protect crops against drought and erosion.



Zero Waste Reduces Pollution & Supports Healthy EcoSystems



Policies



(AB939)- 1989

Help Cities & County meet State 50% waste reduction law

(AB341) -2012

Mandatory Recycling for Businesses and Multifamily Residences & 75% Reduction Goal

(AB1826)- 2014

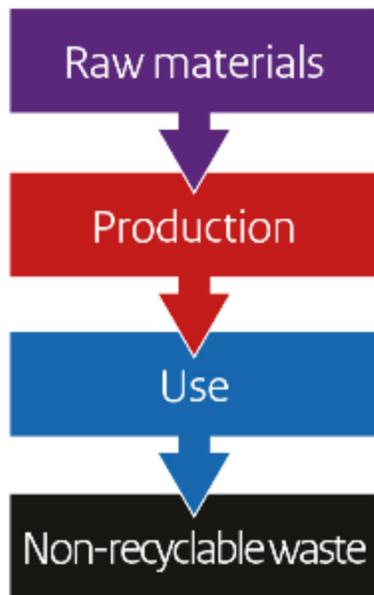
Mandatory Commercial Organics Recycling

CalGreen Building Code- 2016

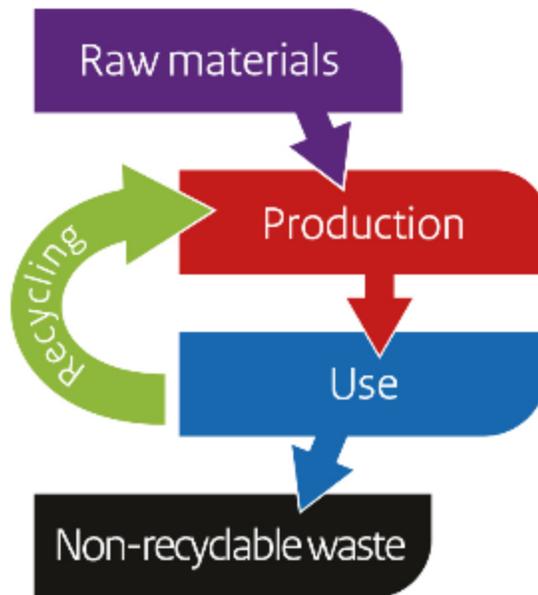
Requires 65% Diversion

From a linear to a circular economy

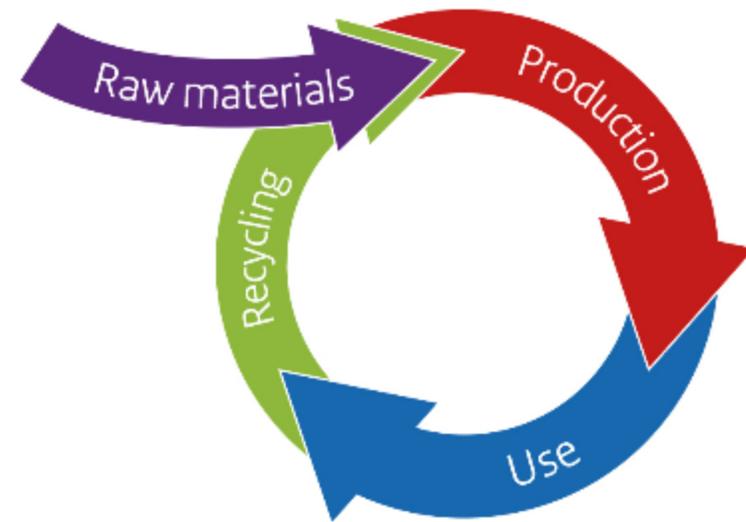
Linear economy



Reuse economy



Circular economy



45 US Communities have Zero Waste Plans & Goals



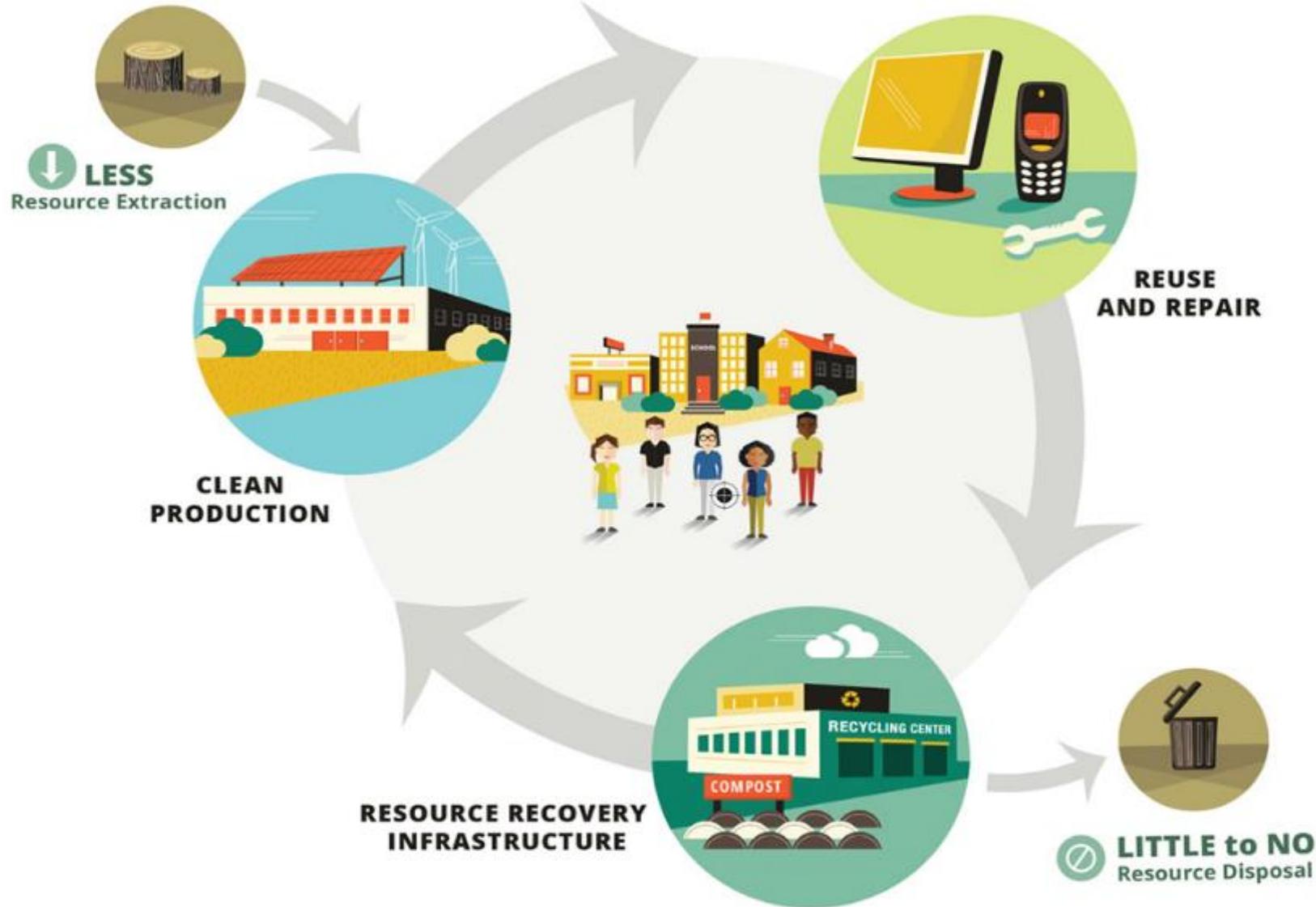
New York City has a goal to achieve zero waste by 2030.

Los Angeles aims to reach 90% diversion by 2025 and operated at a 76.4% diversion rate in 2014.

City of Oceanside in the community and schools. Campaign "Love Our Planet Not Plastic."

25 California Cities have Zero Waste Plans

Thriving Zero Waste Community



How Do We Get there?

Infrastructure & Programs that Support Zero Waste





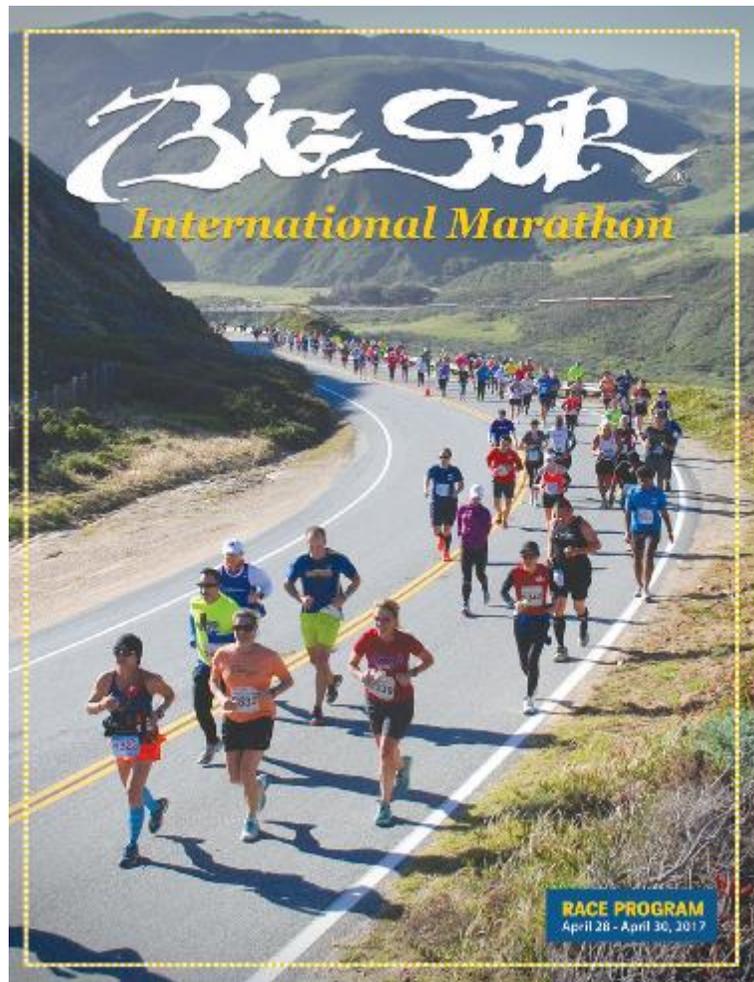
What Goes Where



**RECYCLING IS CHANGING
IN MONTEREY COUNTY**

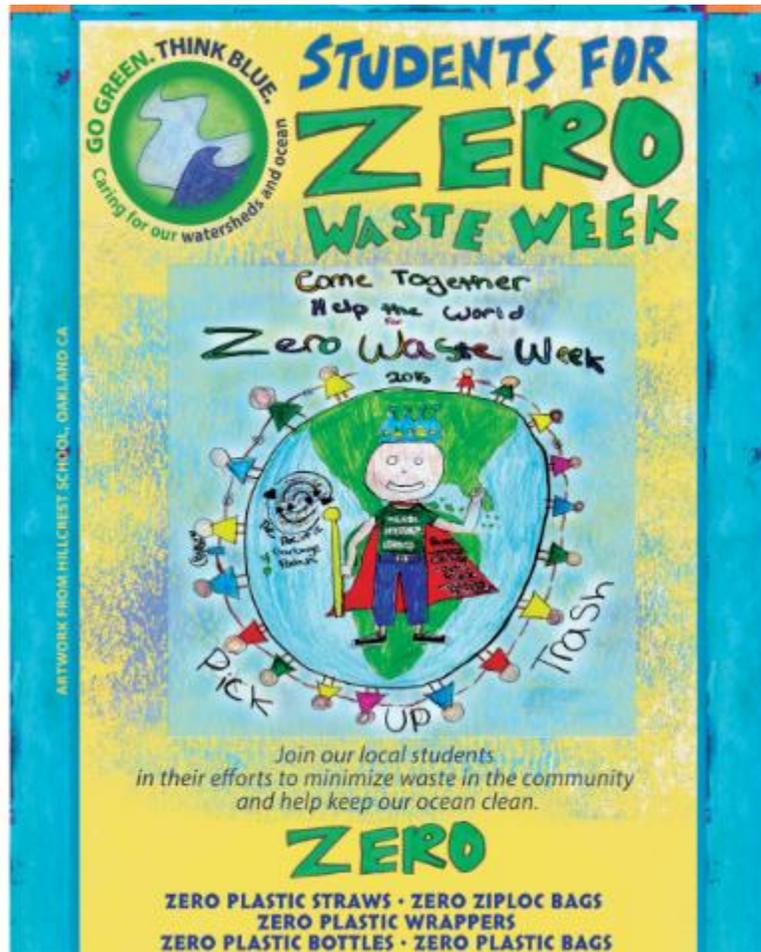
WhatGoesWhere.info

Organizations Aiming for Zero Waste



**Communities
for Sustainable
Monterey
County**





At School...Inspiring our students

Aiming for a Zero Waste Life



<https://www.youtube.com/watch?v=aMkRhhfr6zg>

Getting Started...



Getting Started...



Inventory what you "got", what you use, what you need.

First question...
do we need it
or want it?

Good Design...
Durability
Repairability

Zero Waste Kitchen





“Waste Not, Want Not”

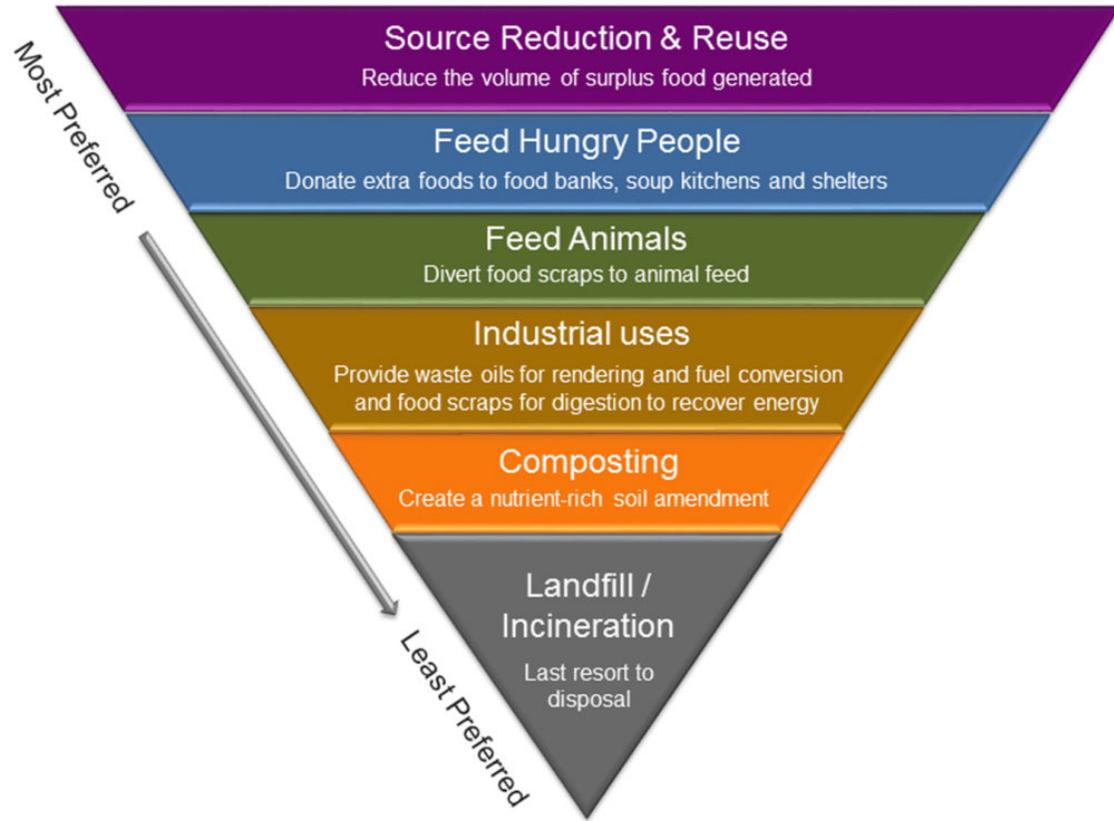
“I use it all but the oink and the squeal.”



Food Waste Reduction



Food Recovery Hierarchy



Shopping...

- Make A List
- Buy in Bulk
- Shop Local
- BYOB
- Get the Tare Weight #





Refuse: Single-use cleaning products

Reduce: Make Your Own Products

Reuse: Adopt reusable cleaning rags, and make repairs with a borrowed tool



Cleaning





A Plastic Free Bathroom





Plastic Version



- Shampoo
- Face Wash
- Shaving cream
- lotion
- tooth brush
- Costco toilet paper
- Floss
- Toilet brush
- loofah
- Toothpaste (traditional squeeze tube)

Plastic-Free Version



- Shampoo Bar
- Activated Charcoal face and body wash bar
- Shave bar
- Homemade lotion in canning jar
- bamboo tooth brush
- tree-free, zero plastic toilet paper
- silk floss
- bamboo toilet brush
- natural sponge / wash cloth
- Glass jar of toothpaste

Still Plastic



- contact solution/contacts
- "left over" body wash
- 10 year old razor (replace blade)
- "medical" items, (peroxide, band-aids, etc.)
- bath toys
- garbage bin (will replace when they break)
- hotel samples...

Plastic Version





Plastic Free Version

Shave bar, stand and brush

Face wash (activated charcoal and rosewater)

Face wash (activated charcoal and rosewater)



Tooth paste (amazon);
bamboo toothbrush with
activated charcoal bristles

Homemade lotion
(supplies from amazon)

Face wash (activated charcoal and rosewater)



Menstrual Products



DIY Body Care Products





The Problem of Single Use Plastics



06.2018

NATIONAL GEOGRAPHIC

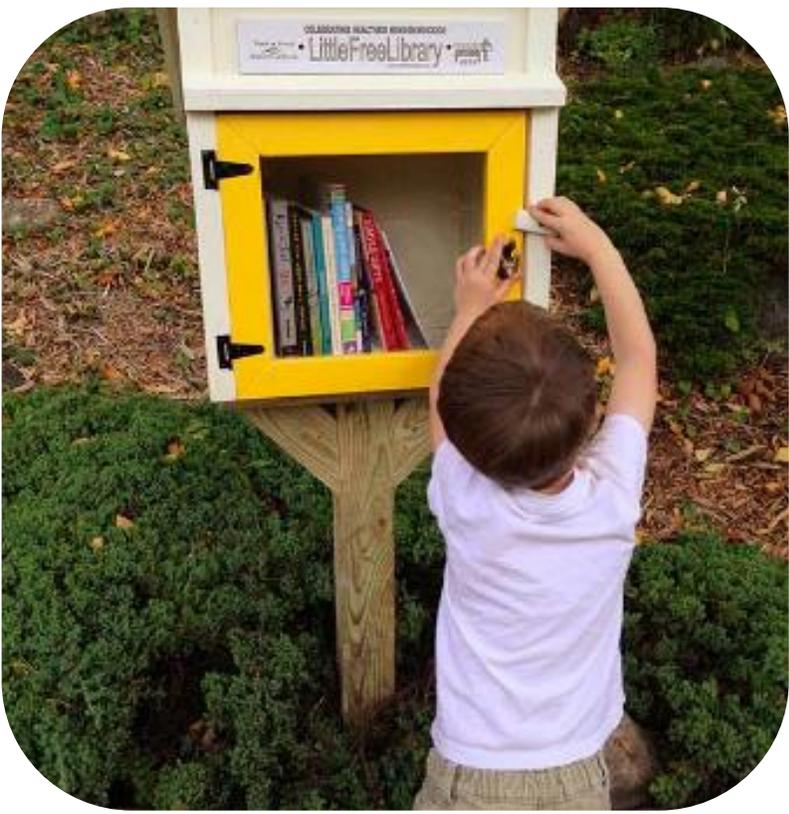
PLANET OR PLASTIC?

18 billion pounds of plastic ends up in the ocean each year. And that's just the tip of the iceberg.



What Are Your Zero Waste Practices ?





Share

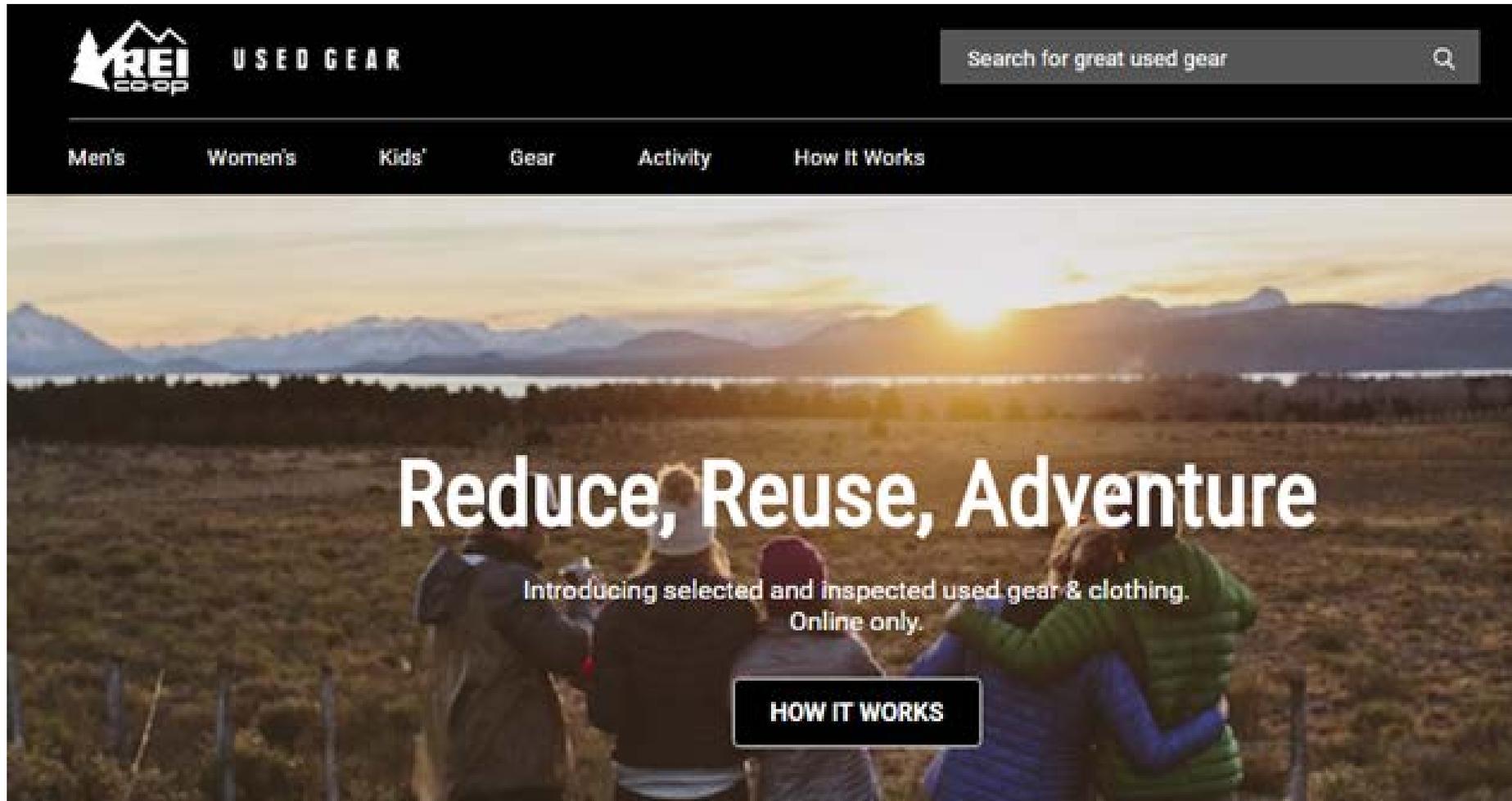


Reuse



Repair

Buying Used

The image shows a screenshot of the REI COOP website's 'USED GEAR' section. The top navigation bar is black with the REI COOP logo on the left, the text 'USED GEAR' in the center, and a search bar on the right containing the text 'Search for great used gear'. Below the navigation bar, there are links for 'Men's', 'Women's', 'Kids', 'Gear', 'Activity', and 'How It Works'. The main content area features a large background image of a group of people in outdoor gear standing in a field at sunset. Overlaid on this image is the text 'Reduce, Reuse, Adventure' in large white font, followed by 'Introducing selected and inspected used gear & clothing. Online only.' and a 'HOW IT WORKS' button.

REI COOP USED GEAR

Search for great used gear

Men's Women's Kids' Gear Activity How It Works

Reduce, Reuse, Adventure

Introducing selected and inspected used gear & clothing.
Online only.

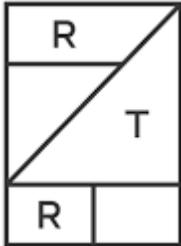
HOW IT WORKS

[Home](#) / Waste No More

We're taking our old clothes back—over 1 million pieces since 2009. It's just one of the ways we're building a better industry, one that takes responsibility what it makes and where it ends up. With your help, we can upend the conventional cycle of consumerism and design a future without waste.



Online Consignment



Rent the Runway



Secondhand Clothes. Firsthand Fun.®



Free Reuse Resources



craigslist[®]

 Nextdoor



Libby, by OverDrive 4+

Library ebooks and audiobooks
OverDrive, Inc.

#5 in Books

★★★★★ 4.8, 323.4K Ratings

Free

01.26.19 | WORLD CHANGING IDEAS

A coalition of giant brands is about to change how we shop forever, with a new zero-waste platform

Loop will send you name-brand products, like Tide detergent, Crest mouthwash, or Häagen Dazs ice cream. When you're done, you ship the empty container back, where it gets cleaned and reused for the next customer.

FASTCOMPANY

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[No thank you](#)



Terra Cycle Recycling Programs

DROP-OFF

FREE



Bausch + Lomb ONE by ONE Recycling Program

FREE



Beach Plastic Cleanup Program

FREE



Bear Naked® Recycling Program

NEW

FREE



Beech-Nut® Envelope Recycling Program

FREE



Brita® Recycling Program

FREE



Buddy Fruits Recycling Envelope Program

Reduce, Reuse, Recycle, REPAIR!

POLICY \ US & WORLD \ TECH \

California becomes the 18th state to in right to repair bill

But it'll be an uphill battle to get it passed into law

By Chaim Gartenberg | @cgartenberg | Mar 8, 2018, 3:00pm EST

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HOW TO HEM JEANS

[Read More](#)

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IF IT'S BROKE, FIX IT!

