

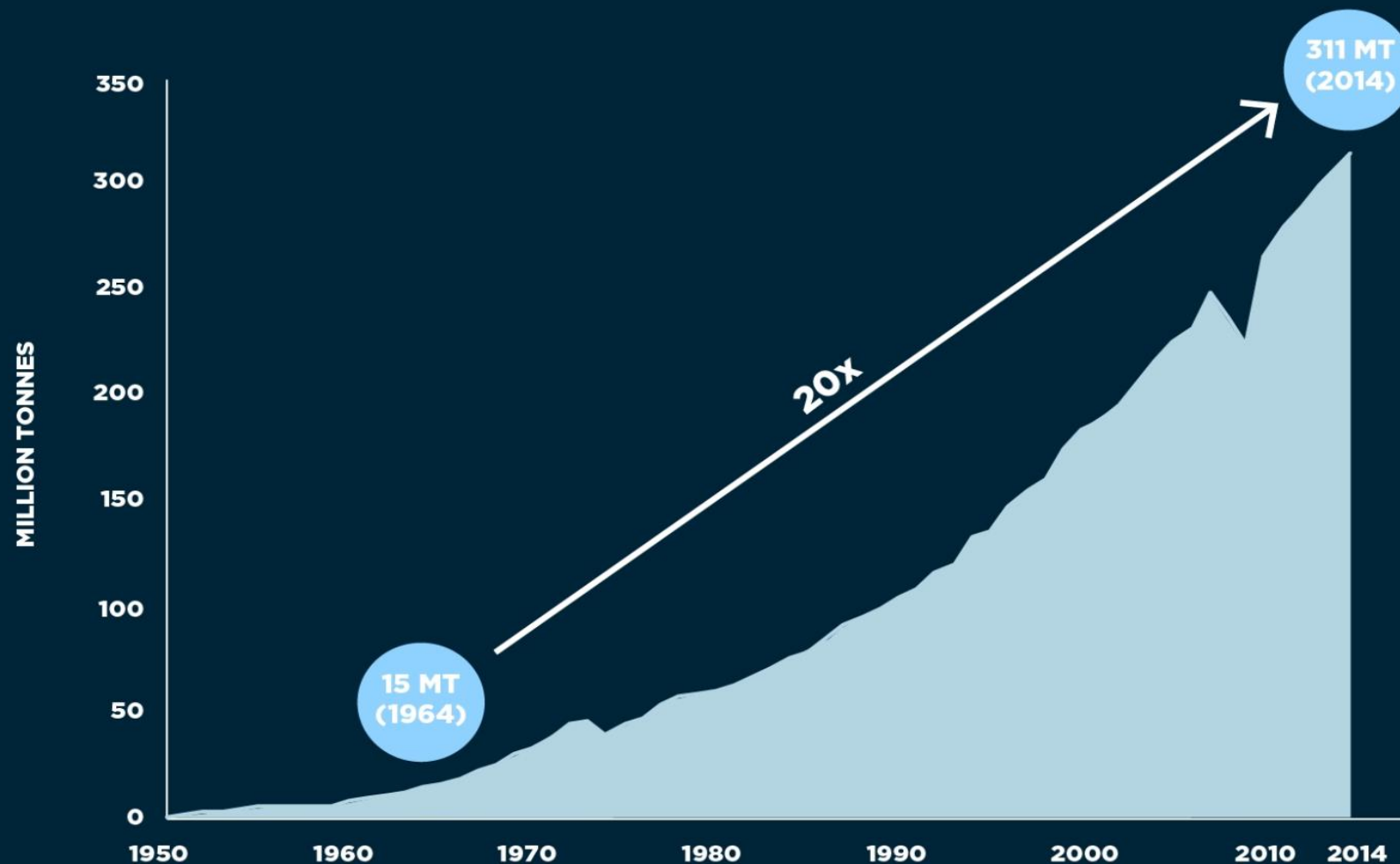
Welcome!

Earth Day 2019 Zero Waste Living

Sponsored by:
Monterey Regional
Waste Management District
and
Monterey Bay Aquarium



PLASTICS PRODUCTION INCREASED TWENTY-FOLD OVER THE LAST 50 YEARS

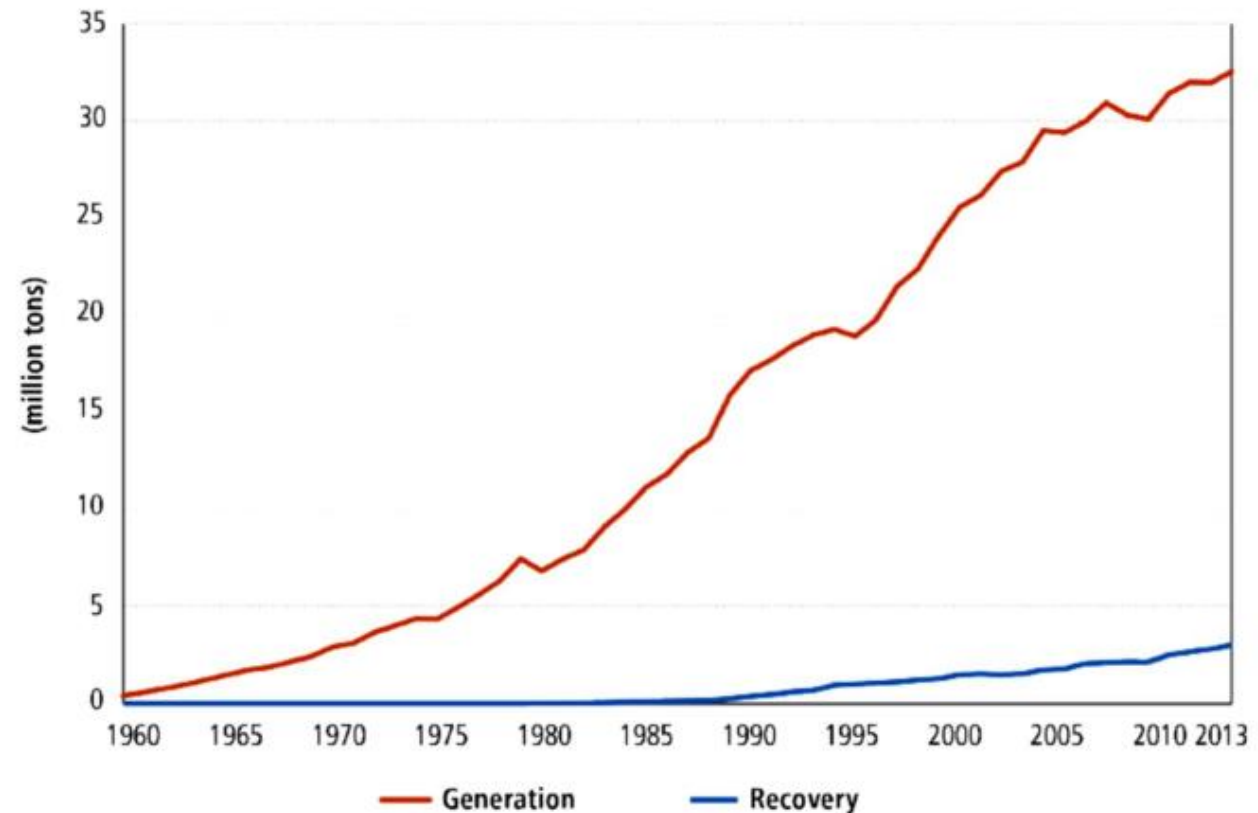


WORLD ECONOMIC FORUM, ELLEN MACARTHUR FOUNDATION, MCKINSEY & COMPANY,
A NEW PLASTICS ECONOMY: RETHINKING THE FUTURE OF PLASTICS (2016)
WWW.ELLENMACARTHURFOUNDATION.ORG/PUBLICATIONS

NOTE: Production from virgin petroleum-based feedstock only (does not include bio-based, greenhouse gas-based or recycled feedstock)
SOURCE: PlasticsEurope, Plastics - the Facts 2013 (2013); PlasticsEurope, Plastics - the Facts 2015 (2015).

Plastic production is outpacing our ability to deal with it sustainably

In 2015, 9.1% of generated plastic in the U.S. by weight was recycled



Plastics Generation & Recovery in the U.S. 1960-2015

Source: EPA Advancing Sustainable Materials Management: 2015 Fact Sheet



U.S. consumers generate
270 pounds of plastic waste
per year

Jambeck et al, 2015

Foodservice and takeout items are among the most common pollutants found on global beaches

Dirty Beaches: 24 Hours Of Trash

Trash cleaned up on beaches worldwide in a special 24-hour cleanup event*



* The International Coastal Cleanup began over 30 years ago when communities rallied together with the goal of collecting and documenting coastal trash

Source: Ocean Conservatory

The background of the slide is a high-angle, close-up photograph of a vast quantity of plastic waste. The debris is densely packed and includes a wide variety of items: small white and clear plastic fragments, larger pieces of white foam, colorful plastic bottle caps, and thin, translucent plastic shards. The colors are muted and somewhat desaturated, giving the image a somber and overwhelming appearance. The text is overlaid on this background, with the main title in a large, bold, blue font and the subtitle in a smaller, black font.

Nearly 9 million tons of plastic enters the ocean each year

If nothing changes, plastic input into the ocean is expected to double by 2025

Over 90% of
seabirds will
ingest plastic
by 2050





Over 50% of
all marine
mammals
have been
impacted

Every species
of sea turtle
has been
affected



The Problem of Microplastic

- Plastic fragments less than 5 mm
- Small size enables to enter food chain at lowest trophic levels
- May leach chemicals into the tissues of organisms
- Microfibers from clothing easily escape into rivers, lakes, and coastal ocean



Aquarium Strategy to Reduce Ocean Plastic Pollution

1. Consumer Strategy



Increase awareness of and demand for alternatives.

2. Market Strategy



Work with business partners to model change.

3. Policy Strategy



Promote science-based policies to accelerate change.

Consider the 5 R's

Rethink your consumption habits and their effects on the ocean.

Refuse single-use plastic you can do without.

Reuse bags, bottles and other products.

Repair things before you replace them.

Recycle what you can, and buy recycled products.



Companies with public-facing commitments to reduce single-use plastic



Switch to paper straws ASAP.
Move to renewable and recycled
guest packaging by 2025.



Eliminate plastic straws and
stirrers by end of 2019.



Remove plastic straws and
stirrers by 2019; replace
shampoo bottles with
dispensers.



Switch to recyclable sippy
lid by 2020. Straws only
upon request.



Switch from plastic to bamboo
stirrers by Nov 2018.



Switch from plastic to bamboo
stirrers beginning Sept 2018



Significantly reduce single-use
disposable plastic by 2022.



Straws only upon
request by Dec 1.



Eliminate plastic straws and
stirrers by mid-2019



Phase out plastic straws by
2020 and only provide on
request



Eliminate plastic straws on ships
by end of 2018



Phase out single use plastics
in stores by 2020.



Launched #NoStraws
campaign in 2016



Eliminate plastic
straws by end of 2018.



Switched from plastic to
bamboo stirrers in Sept 2018

Raise Your Voice



Urge decision-makers to help stem the flow

Ask your representatives to support plastic legislation and speak up for bans on single-use plastics

Drive the market

Buy products with non-plastic packaging, support restaurants that offer biodegradable containers and utensils, request your drink without a plastic straw, tell your friends about ocean-healthy businesses

BYO

Pick up the habit of toting your own to-go container, coffee cup, reusable straw and shopping bag

Encourage waste reduction in your community

Start a "blue team" to reduce single-use plastic at work, share your zero-waste tips on social media, organize a clean-up. Think creatively—the possibilities are endless!

Thank you!

To the **Cities of Carmel and Monterey** for passing new ordinances to eliminate single use plastics in restaurants and food service.





Monterey Regional Waste Management District

Since 1951, Your Public Agency Serving the Monterey Peninsula in
“Turning Waste into Resources” with Infrastructure that Supports Zero Waste





The First Peninsula Curbside Recycling Program: Carmel 1982





Materials Recovery Facility 2.0





What to Recycle in Monterey County







THIS IS THE LAST STRAW.



Or it should be.

Single-use plastic straws end up in the landfill, the streets, or the ocean. They hurt wildlife, and take 500 years to break down.

How to stop all that? Don't use them. Or choose to re-use, with a steel straw or a "sippy" cup.

Make this the last straw, and a first step to a better world.

Recycling is changing. Find out what goes where with the What Goes Where app for Android or iOS, or go to [WhatGoesWhere.info](https://www.whatgoeswhere.info)





YOU CAN LEAVE YOUR CAP ON.

Do you know the best way to recycle a plastic beverage bottle? **Empty it, crush it, and leave the cap on.**

You know what's even better? Don't buy plastic bottles in the first place — get a metal bottle and re-use it. You'll save money, too.

Recycling is changing. Find out what goes where with the What Goes Where app for Android or iOS, or go to [WhatGoesWhere.info](https://www.whatgoeswhere.info).







THERE'S GOOD NEWS AND THERE'S BAG NEWS.



The good news is, more and more of us are recycling more and more stuff.

The bag news is, plastic bags don't go in the recycling bin any more.

That's because most U.S. recycling goes to processors in China, and they're raising the standards for what they'll accept.

But there's more good news: you can drop your clean bags at grocery stores and other locations. They end up being converted into decking and other useful products.

Recycling is changing. Find out what goes where with the What Goes Where app for Android or iOS, or go to [WhatGoesWhere.info](https://www.whatgoeswhere.info)







Recyclable?

Paper Towels:
Nope.

Paper Napkins:
Nope.



Even if they're clean?

Sorry. Even if a paper towel or napkin is clean, we can't recycle it. The fibers are too short for that to work.

But here's what you *can* do:

Choose to reuse: towels, rags, and handkerchiefs — they worked in the good old days, and they work now.

When you must use paper, choose recycled.

MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT
14201 DEL MONTE BLVD • MONTEREY COUNTY, CA
MRWMD.ORG • WhatGoesWhere.info

RECYCLING IS CHANGING.

Get your recycling resource for Monterey County with the What Goes Where app, or go to WhatGoesWhere.info.







Recyclable?



Pizza Box?

Yep.

Box liner or crusts?

Nope.

Pizza boxes are recyclable: just take out the liner, plastic insert, and any leftovers. (Thanks, but we're not really up for seconds!)

Liners and plastic inserts are garbage—sorry, they can't be recycled.

RECYCLING IS CHANGING.

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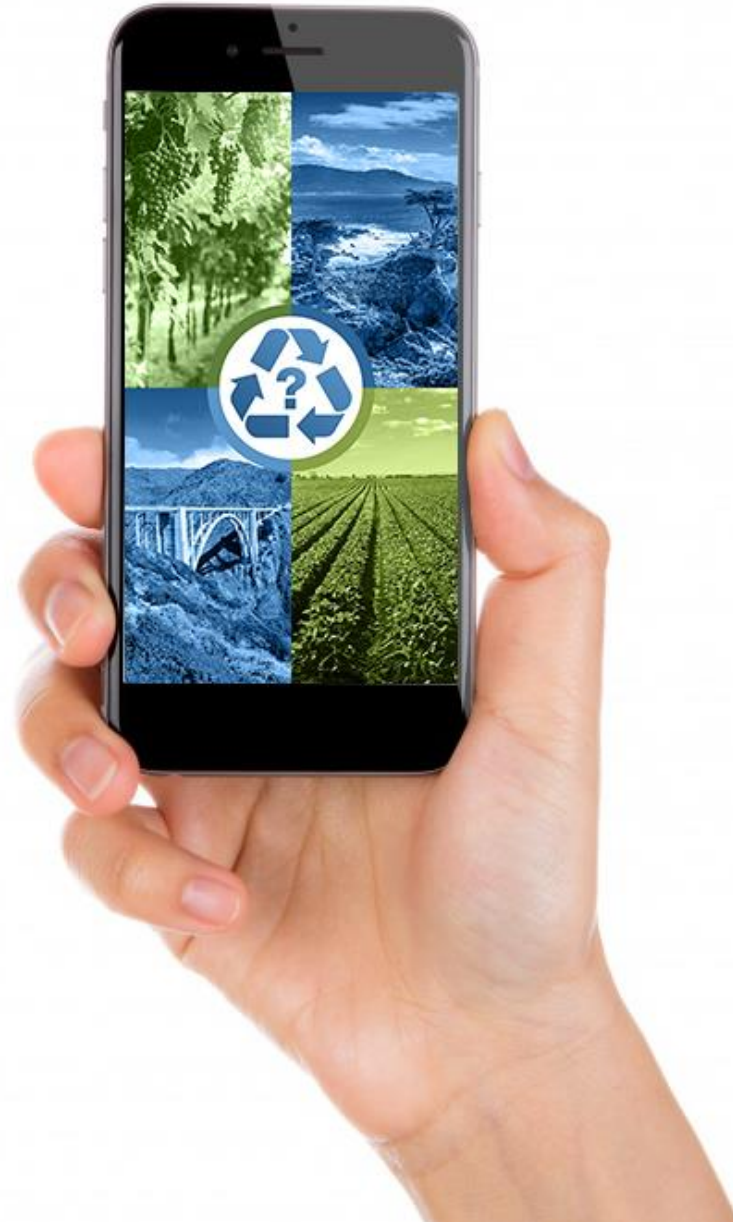


What Goes Where



**RECYCLING IS CHANGING
IN MONTEREY COUNTY**

WhatGoesWhere.info





WHAT GOES WHERE?

DOWNLOAD THE "WHAT GOES WHERE" APP FOR A CHANCE TO BE ENTERED INTO A DRAWING FOR A \$100 VISA GIFT CARD OR OTHER GREAT PRIZES!





Barn Owls Provide Natural Rodent Control at MRWMD





See Our Live Barn Owl Webcam at www.mrwmd.org





Last Chance Mercantile has been the Monterey Peninsula's reuse store since 1991. Annually, over 700 tons of material destined for the landfill are given a "last chance" when they are salvaged and sold.





Organizations Aiming for Zero Waste



Communities for
Sustainable
Monterey County

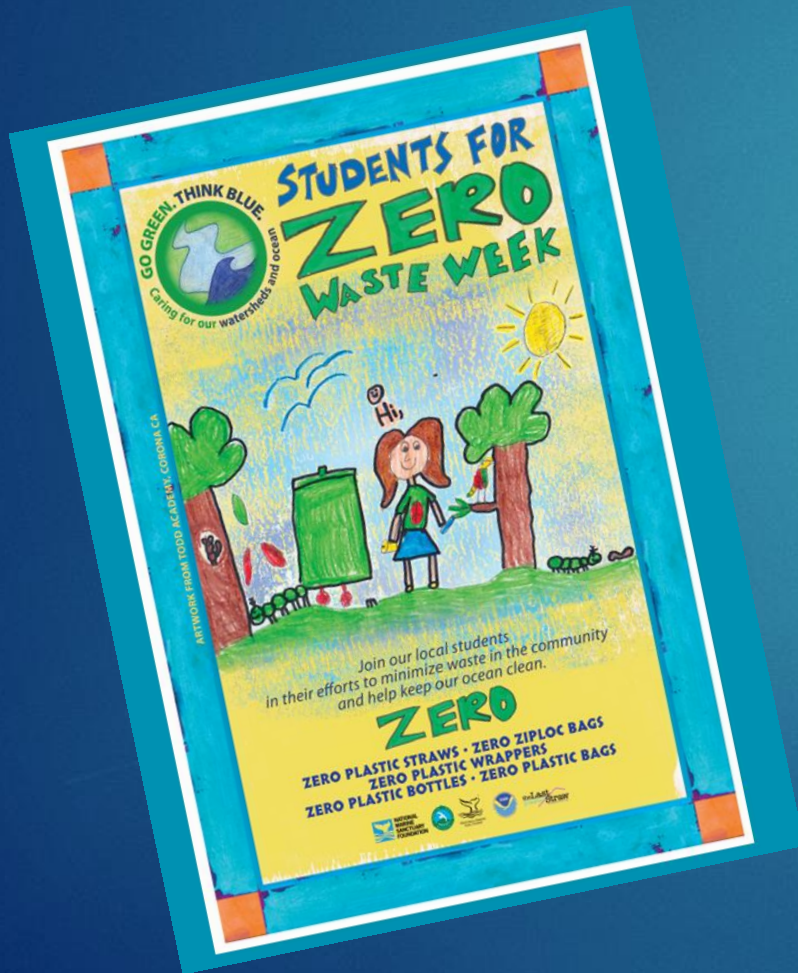




Students for Zero Waste Week

is a school-driven campaign to reduce waste
at school, in your community, and at home

March 18 – April 26h





Household Hazardous Waste Collection Event



Monterey Peninsula College
Saturday June 29, 2019

Engaging Visitors

Over half of visitors see plastic pollution as the largest threat to the ocean.

Nearly all visitors mentioned actions related to plastic pollution as ways to help the ocean.

A majority of California voters are concerned about ocean and coastal plastic pollution.



Walking our Talk

REFCON



Table Tent – 4.25 x 5.5"

Front

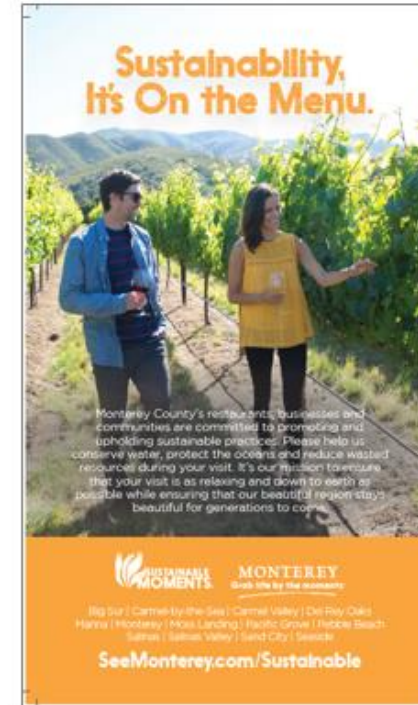


Back



Menu Insert – 4 x 6"

Front

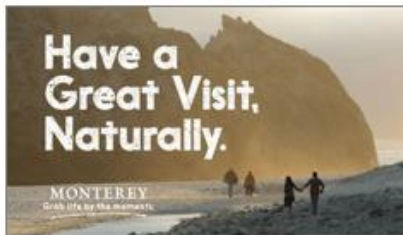


Back



Check-in packet insert (2.5 x 3")

Front



Back



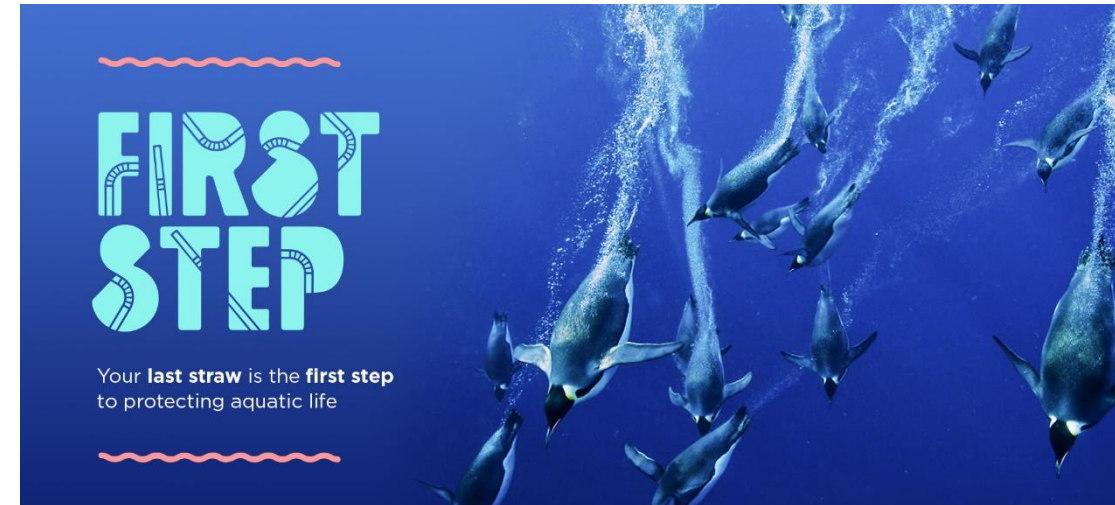
Double-sided Window Cling (4")



Enjoy Monterey County Responsibly
SeeMonterey.com/Sustainable

Leveraging Partners: Aquarium Conservation Partnership

- Formed in 2016; 22 U.S. aquariums.
- Pledged to remove single use plastic bags and straws; bottles by 2020.
- Support local, state and federal plastic pollution policies.



Thank you!

To the **Cities of Carmel and Monterey** for passing new ordinances to eliminate single use plastics in restaurants and food service. *And thank our local businesses!*



Monterey Regional Waste Management District

Tim Flanagan, General Manager

Jeff Lindenthal, Director of Communications and
Sustainability

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.

*"Plastics aren't inherently
bad. It's what we do,
or don't do, with them
that counts."*

Beyond the Bag and Bottle

5 Best Practices for Zero Waste Living

Beyond the Bag and Bottle

5 Best Practices for Zero Waste Living

Zero Waste Dry Cleaning
Lorraine Yglesias

Beyond the Bag and Bottle

5 Best Practices for Zero Waste Living

Zero Waste Oral Hygiene
Andrea Satterfield

Zero Waste Oral Hygiene

Tooth Paste:

Half pint mason jar
2 tablespoons coconut oil
1 tablespoon baking soda
15-20 essential oils

Mouth Wash:

Glass bottle
Water
Pinch of baking soda
Essential oils

Floss:

From packagefreeshop.com
100% silk floss
Glass container
Metal lid
Refillable

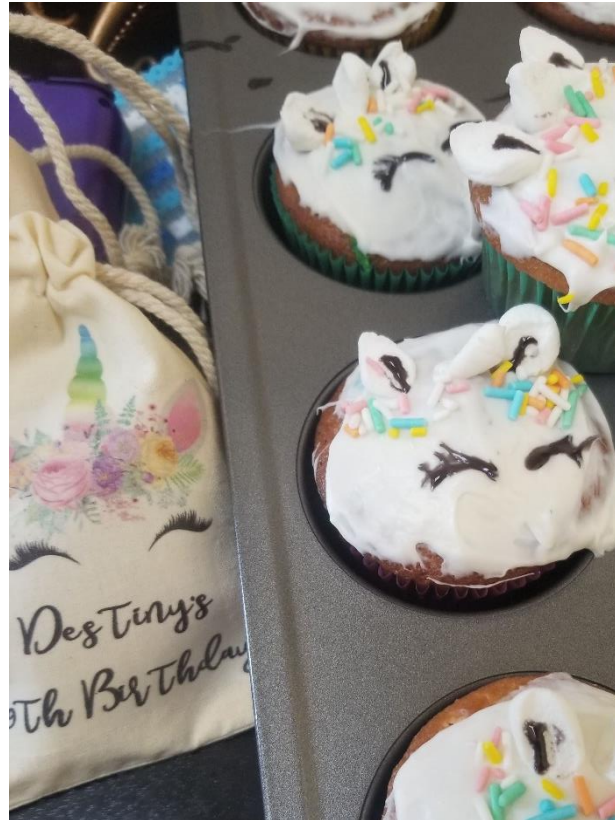


Beyond the Bag and Bottle

5 Best Practices for Zero Waste Living

Zero Waste for Kids
Mariana del Valle

Zero Waste for Kids



Beyond the Bag and Bottle

5 Best Practices for Zero Waste Living

Zero Waste Food To-Go
Lacey Raak

- Ask when you order
- Keep a to-go container in the car next to the cloth grocery bags



- Sushi by the Bay
- Baan Thai
- El Pollo Rey
- Harumi
- Reds Donuts





Just ask! Small actions make a big difference.

Resources:

Repair

www.ifixit.com

Online Consignment

www.Ebay.com

www.thredup.com

www.renttherunway.com

www.depop.com

www.swap.com

www.poshmark.com

www.therealreal.com

Textile upcycling

www.hm.com

www.eileenfisher.com

Rot

www.mrwmd.org

www.organicstoenergy.org

Zero Waste

www.goingzerowaste.com

www.trashisfortossers.com

www.litterless.com

www.calrecycle.ca.gov/zerowaste/resources

Recycling

www.whatgoeshwere.info

www.terracycle.com

Reuse

www.freecycle.org

www.cragislist.org

www.paperbackswap.com

meet.libbyapp.com

www.loopstore.com

www.rei.com