DIY Zero Waste Workshop

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Presentation Timeline

Coastal Communities: A Special Case

What is Zero Waste?

Recycling Training

Zero Waste and YOU
What is Marine Debris?

“Any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or Great Lakes”

- National Oceanic and Atmospheric Administration (NOAA)

50% - Land-based sources
18% - Ocean-based sources
32% - Either source
What is Marine Debris?

Any inorganic material can become marine debris... but the focus is on:
What is Marine Debris?

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PLASTIC
What is Marine Debris?
Any inorganic material can become marine debris… but the focus is on:

**PLASTIC**

80-90% of marine debris is plastic

Plastic is:
- Cheap
- Light
- Durable
- Strong
- Flexible
- Non-biodegradable

Prevalent Plastics
- Bags
- Boxes (including expanded polystyrene – Styrofoam)
- Bottles
- Microbeads
- Cigarette butts
What is Marine Debris?

Causes of marine debris:

- Natural disasters
- Commercial and recreational fishing
- High coastal population density
- Littering and improper waste disposal
Coastal Communities: A Special Case

How many pounds of plastic enter the world’s oceans every year from coastal communities?
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It’s difficult to quantify but...

About 18,000,000,000 pounds
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Hotspots: “Garbage Patches” or … “Plastic Soup”

“A single plastic microbead can be 1 million times more toxic than the water around it”
- 5 Gyres
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What is Zero Waste?

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Zero Waste and YOU
What is Zero Waste?

Our current system:

Linear System

Zero Waste strives for:

Circular System

storyofstuff.org
What is Zero Waste?

Zero waste includes recycling, minimizes waste, reduces consumption and ensures that products are made to be reused, repaired or recycled back into nature or the marketplace.

- Challenges poorly designed business systems
- Redesigns the current industrial system into a circular system
- Helps to achieve local economic sustainability and self-sufficiency
- Aims to eliminate waste, not just manage
What is Zero Waste?

Zero Waste is NOT business as usual
Presentation Timeline

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What is Zero Waste?

Recycling Training

Zero Waste and YOU
Is This Recyclable?

Yard Debris
Is This Recyclable?

Yard Debris

NO
Is This Recyclable?

Tuna Can
Is This Recyclable?

Tuna Can

YES
Is This Recyclable?

Styrofoam Egg Carton
Is This Recyclable?

Styrofoam Egg Carton

NO
Is This Recyclable?

Cardboard Egg Carton
Is This Recyclable?

Cardboard Egg Carton

YES
Is This Recyclable?

Plastic Bags
Is This Recyclable?

Plastic Bags

NO, but...
Hallandale Beach Recycling Guide

**PAPER**
- All Clean Paper
- All Clean Cardboard and Cartons

**PLASTIC**
- All Rinse Bottles
- All Rinse Containers
- All Rinse Jugs

**GLASS**
- All Rinse Bottles
- All Rinse Jars

**METAL**
- All Clean Steel and Aluminum Cans
- Clean Aluminum Foil, Pans and Trays

Recycle your Electronic Materials at Public Works (630 NW 2nd Street) Saturdays from 8am-3pm

**NO:**
- Flexible Plastics (Bags, Film, Sheets)
- Foam
- Hazardous Materials
- Home, Yard and Construction Waste
- Electronic Materials

FOR MORE INFORMATION: Call 954-457-1612
cohb.org/recycling
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Zero Waste and YOU
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Policies should focus on…

Achieving Source Reduction and Behavior Change

But how?

• Plastic bag bans and fees
• Bottle deposits
• Bans on certain types of material in certain areas – Ex: Styrofoam and microbeads
• Smoking restrictions in certain areas
• Incentivizing recycling over traditional disposal methods
• Changing the language of issue framing – solid waste management vs sustainable materials management
Zero Waste and YOU

Reusable Bags
Zero Waste and YOU

Microbeads
Polyethylene (PE)
Polypropylene (PP)
Polymethyl methacrylate (PMMA)
Polyethylene terephthalate (PET)
Nylon
Zero Waste and YOU

Rethink Restaurants
Zero Waste and YOU

Reusable Water Bottles
Zero Waste and YOU

Be Creative with Art
Zero Waste and YOU

Get Creative!!!

Make your own:

Nut Milk

Deodorant

Broth

Change your habits:

Bulk food

Go Veg!

Don't be afraid to change up your routine!
Lead by Example and don’t be Shy!
QUESTIONS?
Images Cited

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