commit to going

Zero Waste



"THERE IS NO SUCH THING AS



WHEN WE THROW ANYTHING AWAY IT MUST GO SOMEWHERE"

-ANNIE LEONARD



Overview

understanding waste

the 6 Rs

zero waste



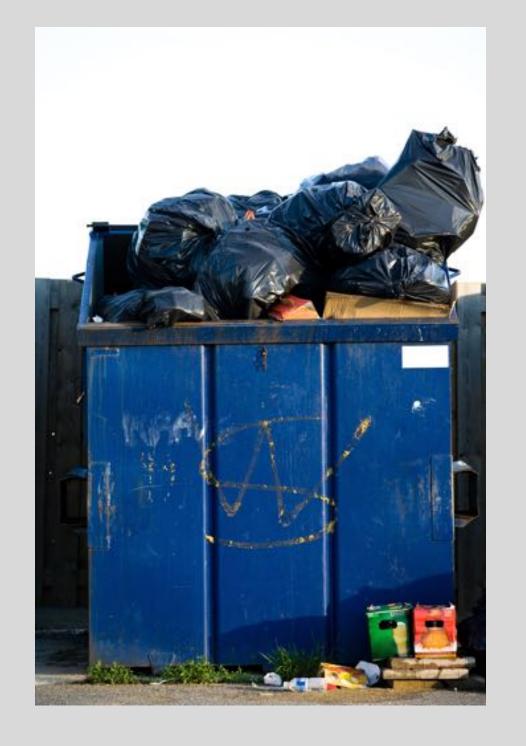
UNDERSTANDING WASTE

01 the waste cycle02 waste auditing

understanding waste

global waste is forcasted to increase by

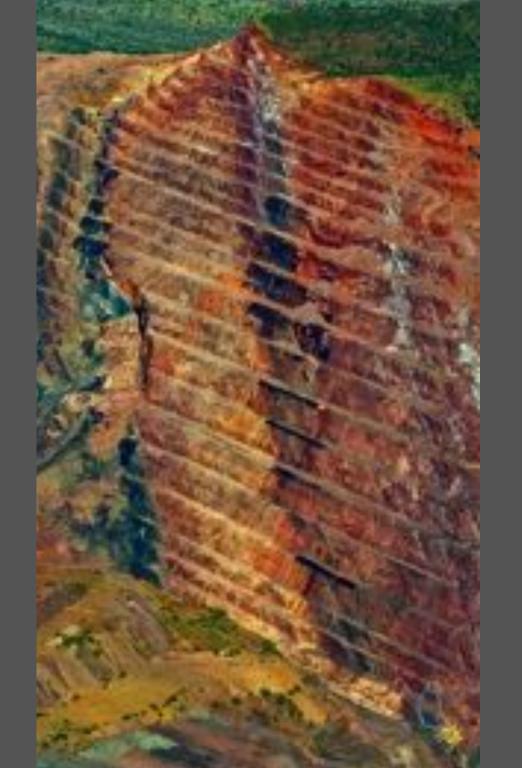
70% by year 2050



WASTE LIFECYCLE

the object being discarded is not the only thing that goes to waste, it includes all the energy and





Extraction

Raw materials are extracted from Earth's natural resources.

This is often invasive and destructive to the natural systems of the area

Manufacturing

Raw materials are transformed into finished goods via special processes.



Distributing

Finished goods are distributed to retail shops and consumers via different modes of transport.



Usage

Finished goods are utilized for intended purpose.

This is the focus step of waste management.
Finding the best ways to prolong this stage for its maximum life.



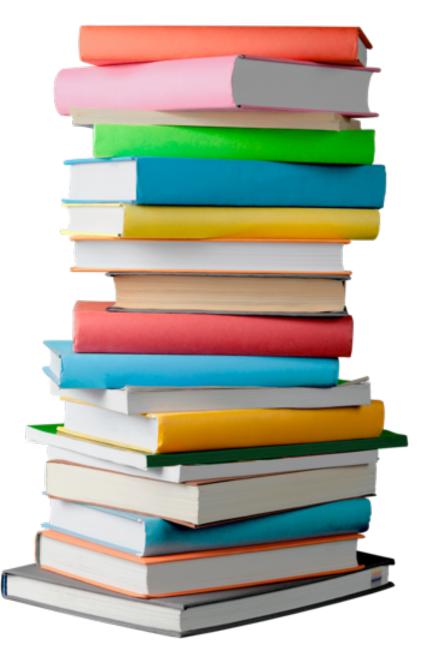
End-of-life

Waste is collected, disposed or treated using different waste management approaches.



() 2 waste auditing

How are you wasting



Team

- nominate or volunteer employees that represent all independent departments
- educate employees

Research

- conduct relevant background information on waste generating activities and appliances
- research waste options in your community

Measuring

- collect and sort the trash around your facility
- record what type of waste your producing and the weight of each type
- take note of how each was disposed and if they could have been disposed of differently



analyzing information

CREATE GOALS AND SOLUTIONS

- decide the improvements you want to make
- make specific
 programs or actions
 that will help you
 achieve your goals

EVALUATE

- find a reoccuring time to evaluate the goals that you have made
- identify if you need to revise goals, solutions, or execution



roughly

of the items buried in landfills could be recycled.

THE 6 R'S

THE 6 RS

01 refuse02 reduce03 reuse04 repurpose05 recycle06 rot

1 refuse

refuse

verb.

to show nonacceptance towards something





waste not

refuse



keep it simple. say no to things that are not truly necessary



you have power as a consumer, reduce demand, and purchase the appropriate amounts. support products that are sustainable



avoid purchasing things that are harmful to your company or environment

reduce

reduce

verb. to make smaller or lesser amount

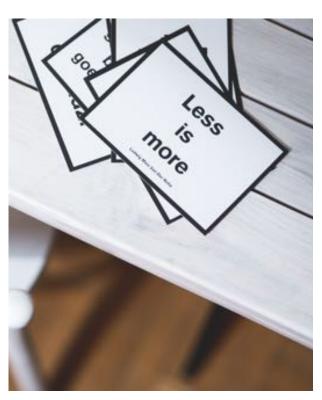


You can not waste what you do not have.

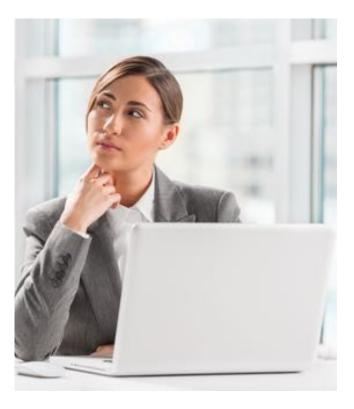
reduce



maximize the life and use of the things you do have before looking to consume more



be efficient. always ask,
"Could the job be done
with less?"



know your options. be creative. there is more than one way to solve waste problems

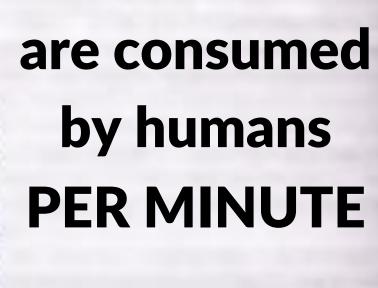
reuse

reuse

verb. to use repeatedly

get rid of single use items, purchase those with a longer life span to reap benefits for years

1,000,000
plastic bottles



what is worse?



recycling or throwing away an item to waste using water resources to wash reusable items

a convenience comparison

WASTING

- 1. waste collection and transportation to recycling facility or dump
- 2. if dump, extraction of natural resources
- 3. transportation of natural resources or recycled material to processing
- 4. byproduct waste of processing
- 5. transportation of final product to retail

WASHING

- 1. extraction of water resources opportunity for
- 2. repurpose of water

04 repurpose

repurpose

verb. to use one item in multiple ways



repurposing is a great opportunity to bring your creative side out and see objects with an open mind

think



landscaping



decoration



practicality

use it up wear it out make do without it

105 recycle

recycle

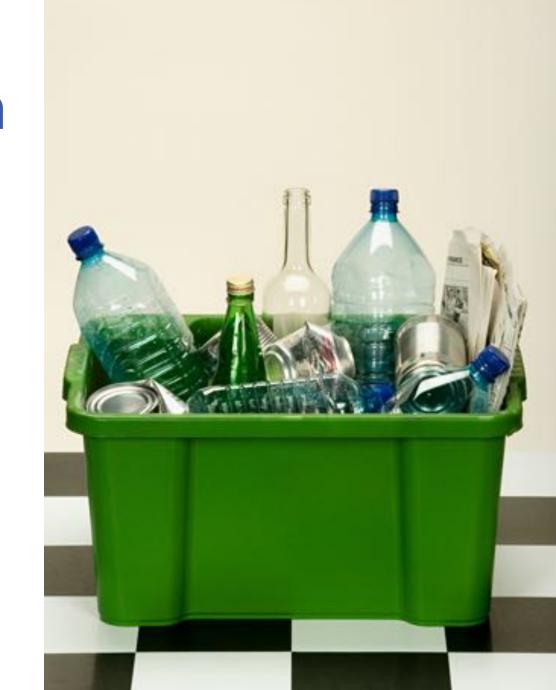
verb. breaking waste into pure materials to be used again

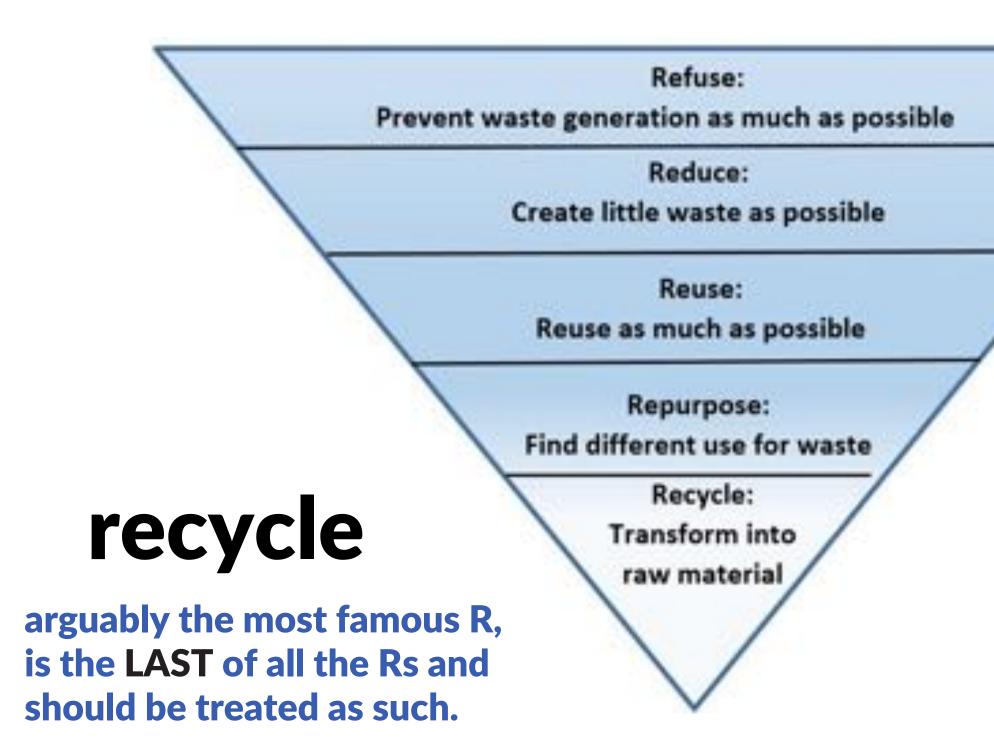


recycling has a

37%

success rate because it is not done enough and often done incorrectly!





recycling benefits

INCREASE

- money saved
- energy saved
- sources of employment
- environmental health

DECREASE

- rate at which natural resources are extracted
- amount of waste sent to landfill
- greenhouse gas emissions and pollution

CONTAMINATION

Can I just send my trash to the recycling plant and allow them to sort through it?

NO

Common Contaminants

- Plastic bags huge amount of extra removal work
- Food waste especially food holding containers including plastic ones!
- Shredded paper ruins recyclable long fibers of unshredded paper
- Brightly colored paper like a red sock in white laundry

WHY?

Throwing trash in with your recyclable greatly increases the risk of contamination.

It is important when recycling materials that they are pure.



For example pizza boxes, often covered in oils, can not be recycled because the oils are too difficult to separate from the cardboard to be recycled.



rot

(composting)

rot



verb.

The natural recycling of organic waste into nutrient dense soil that can be used in gardens or landscaping for fertilizer.

1/3 or 1.3 billion



tons of food production worldwide
IS LOST OR WASTED
before consumption.

composting benefits



besides initial equipment costs and very minimal labor, composting is free and can save you thousands on disposal costs and fertilizer!



landfill decomposition is anaerobic and produces half MH4 (methane) which has a heat holding capacity 25x that of CO2 produced in aerobic composting

case study

Vermont's Middlebury college composted 90% of their overall food waste. By reducing their disposal costs by 370 tons of food, they were able to save near \$100,000.



what to compost

YARD SCRAPS

- Grass clippings
- Leaves/Twigs
- Chipped brush
- Any vegetation
- Any flowering plants

PAPER

- Black and white news paper
- Printer paper
- Cardboard

FOOD SCRAPS

- Vegetable scraps
- Fruit scraps
- Roots
- Coffee grounds
- Egg shells

OTHER (dif. process)

- Meat
- Fat
- Dairy
- Non-vegetarian animal waste

how

HOT COMPOSTING

- 3 weeks -3 months
- Good for large amounts
- \$0-30 USD
- Mild maintenance

VERMICOMPOSTING

- Worm composting
- 1-3 months
- Small, indoor spaces
- \$15-80 USD
- Mild maintenance

COLD COMPOSTING

- 9-24 months
- Large and small amounts
- \$0-30 USD
- No maintenance

BOKASHI

- Aerobic composting
- 10-24 days
- Good for small areas
- \$10-75 USD+
- Mild maintenance



Zero Waste

01 understanding zero waste02 purchasing

zero waste

what is ZERO WASTE?



it is utilizing the 6 Rs to prevent any materials from going to the landfill.

one man's TRASH

is another man's

TREASURE



linear vs. circular

current economy

take resources from earth



needed economy

take resources from earth



resource recovery infrastructure

2 purchasing

purchasing

prioritize

- recycled
- sustainable
- renewable
- non-toxic products



my waste,



my responsibility.

Thank Mou

FOR BEING A PIONEER OF
CHANGE AND CREATING A
WORLD THAT IS KIND TO ITS
PEOPLE AND ITS HOME

Keep updated by following us on social media!







And use our hashtags!!

