

Be a Better Recycler

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State of the Cape

- Latex Paint Collection - Year 2
- PGA (Processed Glass Aggregate)
- Food Waste Drop Off Programs
- Yarmouth Anaerobic Digester
- Looking Ahead

‘National Sword’ and the Challenges facing the World’s Recycling Markets



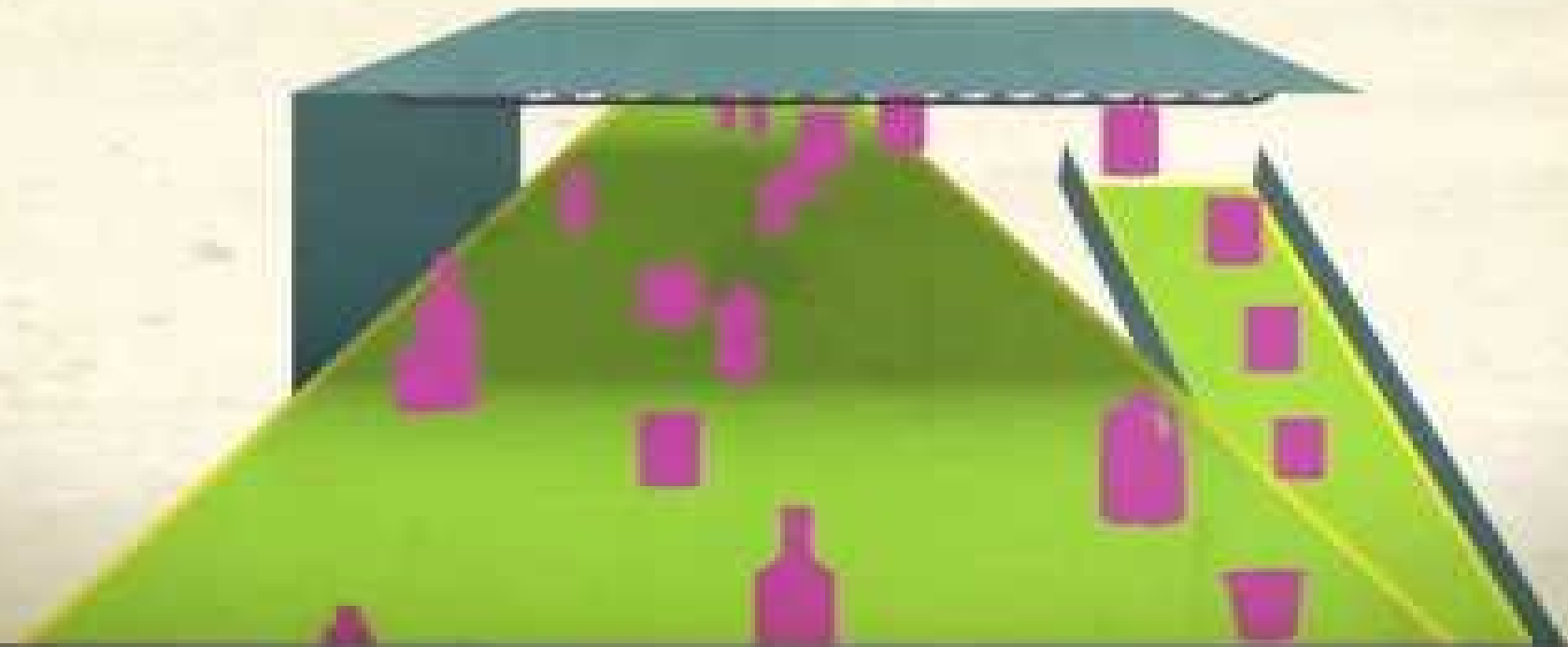
What's a MRF?

A Materials Recovery Facility, materials reclamation facility, materials recycling facility or Multi re-use facility (**MRF**, pronounced "murf") is a specialized plant that receives, separates and prepares recyclable materials for marketing to end-user manufacturers.





magnetic attraction



Your Recycling >> The End Product



**Baled
Newspaper**



Baled Plastics
1.4 million tons of scrap plastics is
exported to China from the U.S.
annually



**Source Separated
Glass Pile**

Changes to the Market - China's Ban on Recycling Imports

- China: largest importer of recyclable materials
- According to UN Comtrade - data for 2012, China is the top importer and exporter of the global recycling market
 - 73.1% import
 - 26.9% export

Solid Waste Master Plan



MassDEP

Commonwealth of Massachusetts
Department of Environmental Protection

Waste Bans: What are they?

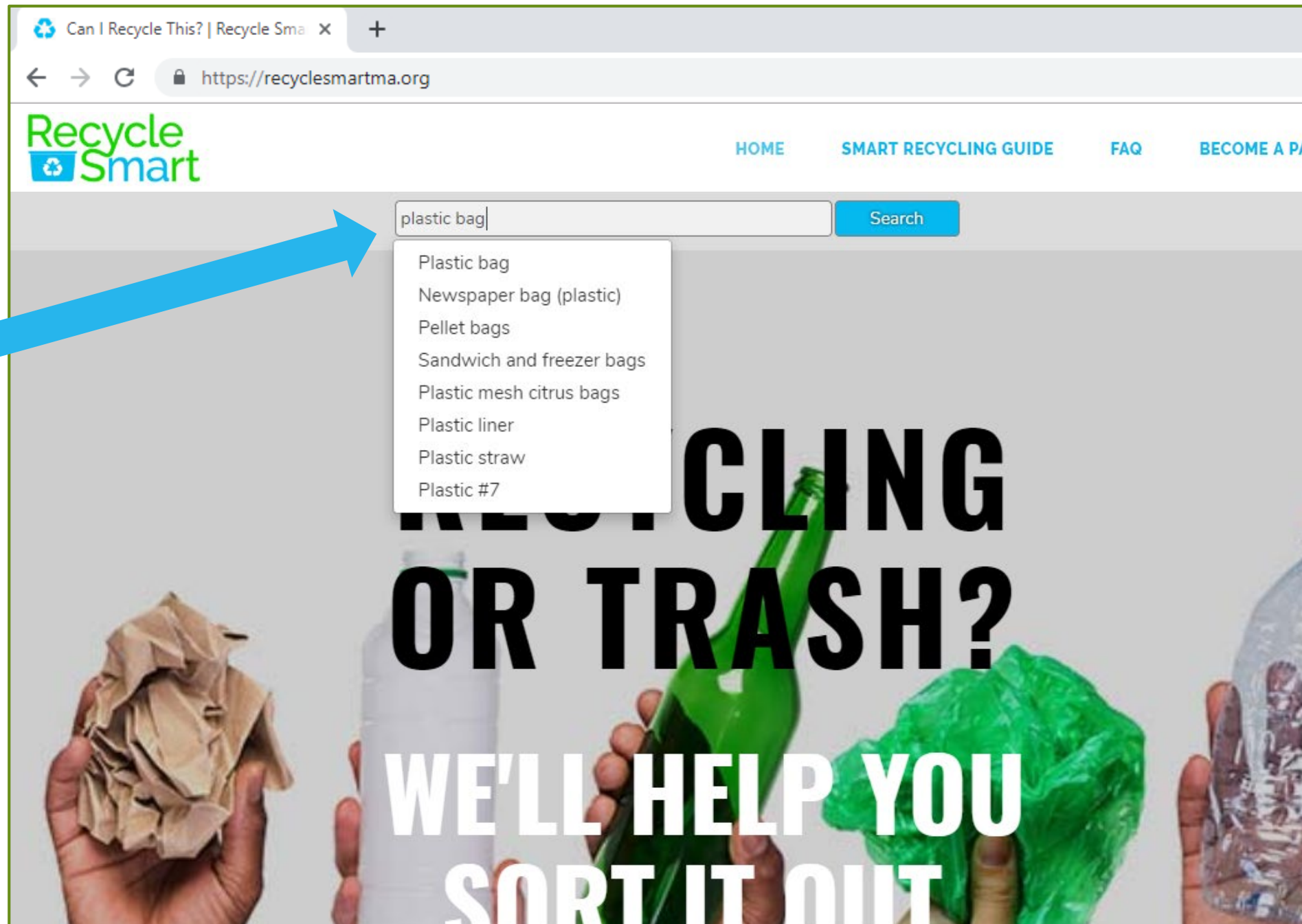
- Waste bans help to increase recycling and support the recycling economy
- Goals of MA Waste Bans:
 1. Reduce disposal of banned materials
 2. Capture valuable resources
 3. Reduce greenhouse gas emissions
 4. Save energy
 5. Reduce need for landfills & incinerators
- Banned items: recyclable material, yard waste, large appliances, tires, vehicle batteries, construction debris, TV's & computer monitors
- Disposal of food waste from businesses that generate more than 1 Ton per week

ARE YOU
SURE THAT'S
RECYCLABLE?



Can I recycle this? Learn more about what's recyclable at recyclesmartma.org

- ❑ recyclesmartma.org created by MassDEP to help consumers better understand recyclables and contamination
- ❑ Recyclopedia is a search tool which helps consumers find out if a specific item is recyclable



Top Contaminants in Single Stream

1. Plastic Bags
2. Food Waste
3. Loose Shredded Paper
4. Some Beverage Cartons
5. Wrong Plastics
6. Hazardous Waste
7. Frozen Food Containers
8. Un-rinsed Glass Containers



So... What *can* be recycled?

TOP 10 IN THE BIN

1. Cardboard
2. Paper
3. Food Boxes
4. Mail
5. Beverage Cans
6. Food Cans
7. Glass Bottles
8. Jars (glass & plastic)
9. Jugs
10. Plastic Bottles (caps attached)

RECYCLABLE BUT NOT IN YOUR BIN

1. Plastic bags and wraps
2. Electronics
3. Textiles





NAUSET DISPOSAL RECYCLE BEST PRACTICES



**NO PLASTIC WRAP, PLASTIC BAGS,
OR RECYCLING IN PLASTIC BAGS**



**PLEASE EMPTY & RINSE
ALL CONTAINERS**

EFFECTIVE MARCH 15, 2019, NAUSET DISPOSAL WILL NO LONGER ACCEPT CONTAMINANTS IN YOUR SINGLE-STREAM RECYCLING BIN.



Metal



**Food and Beverage
Cans**

EMPTY & RINSE!



Plastic



**Bottles, Jars, Jugs
and Tubs**

EMPTY, RINSE & REMOVE CAP!



Glass



Bottles and Jars

EMPTY & RINSE!



**Paper &
Cardboard**

**NO WAXED
CARDBOARD
OR FROZEN
FOOD BOXES**



**Mixed Paper, Newspaper,
Magazines, Boxes**

EMPTY & FLATTEN!

Biggest contaminants
we see in Single
Stream:

- Plastic Bags
- Garbage
- Food Waste
- Tanglers

Program aiming to
decrease residential
contamination rates

Implemented March
2019, already seeing
improvement

PLEASE DO NOT RECYCLE: ITEMS BELOW ARE NOT ALLOWED IN SINGLE STREAM RECYCLING



**Do Not Bag Recyclables
No Garbage**



**No Plastic Bags
or Plastic Wrap**
(return to retail)



No Food or Liquid
(empty all containers)



No Clothing or Linens
(use donation programs)



No Tanglers
(no hoses, wires,
chains or electronics)

Nope.

Don't try to recycle these items in your single stream bin.



Do Not Bag Recyclables
No garbage



No Plastic Bags
or Plastic Wrap
*Return to retail store
collection bins*



No Food or Liquid
Empty all containers



No Clothing or Linens
Use donation programs



No tangles
*No hoses, wires, chains
or electronics*



Place items loose in
your recycling bin



Check your local grocery
store for recycling
options



Give composting a try!



Donate clothing & linens
to a local nonprofit



Try recycling your
e-waste instead

Not All Plastics Are Created Equal

RECYCLING DECODER

Not all plastics are recycled equally. Before you toss it, check the number on the bottom—it tells you the type of plastic, the key to recyclability.

● Recyclable through most curbside programs



- water/soda bottles
- peanut butter jars
- microwavable trays



- milk jugs
- detergent containers
- shampoo bottles



- yogurt tubs
- bottle caps
- ketchup bottles



● Recyclable through outside programs. Grocery stores will often accept these items.



- plastic bags



- dry cleaning bags
- newspaper bags
- shrink wrap



Tip: Keep plastic bags in your reusable shopping bags so you'll remember both on your trip to the store.



Always remember to rinse out your recyclables. Removing food residue will ensure everything you throw in the bin gets another life—and clean bottles keep your bin smelling fresh!

● Difficult to recycle



- deli meat packaging
- PVC pipes



- plastic cutlery
- plastic foam takeout boxes/cups



Other, including bio-plastics. Bioplastics are made from renewable materials, but many recycling systems are unable to process them at this time.

Note: Recycling systems vary by location. This guide is based on research and best practices—for specific recommendations, consult your local curbside program guidelines. Searching "[your city] + recycling" online should get you the information you need. Visit ocean.ly/recycleguide for more.

Household Hazardous Waste

Some household products are *too toxic to trash*

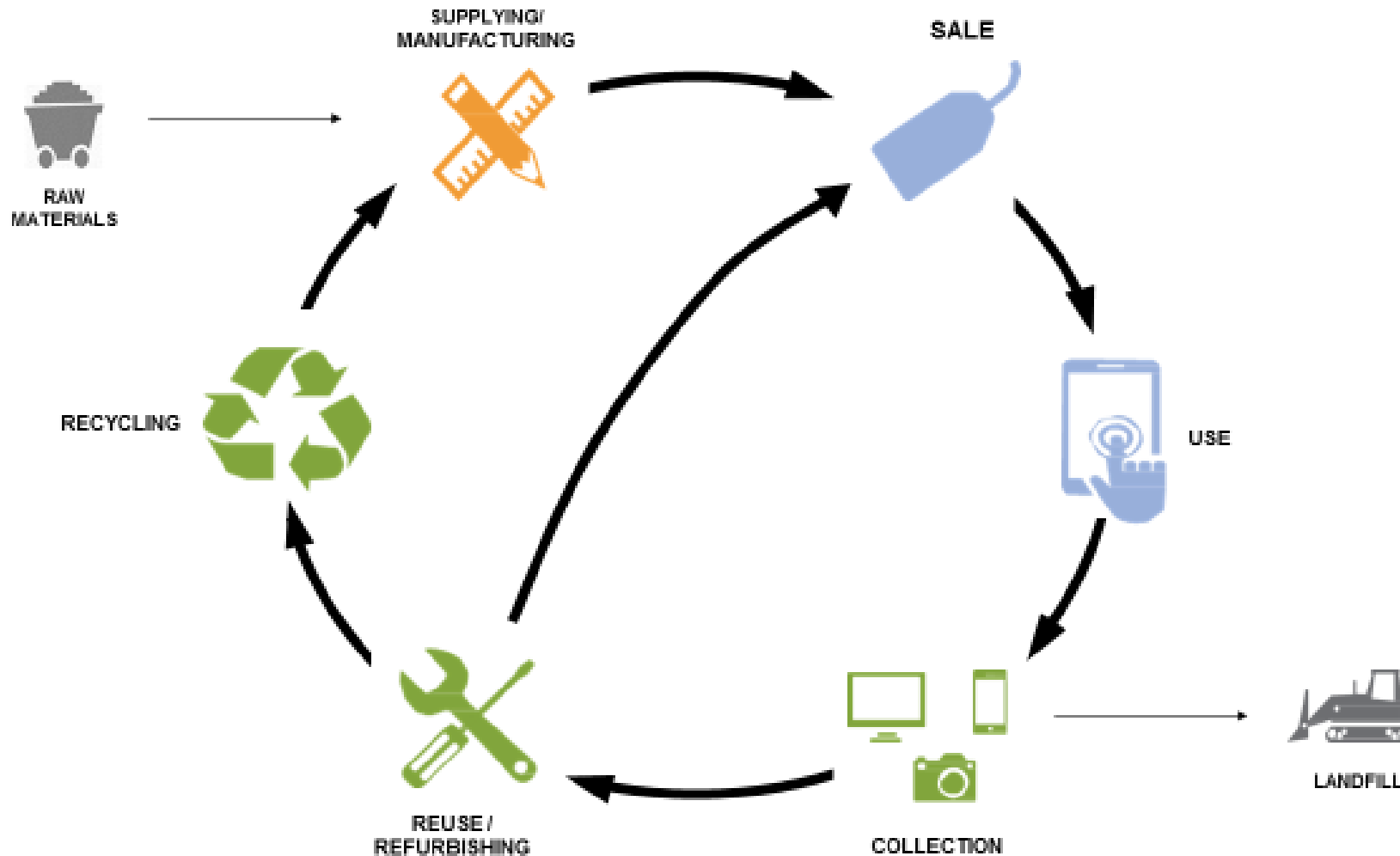
- *Pesticides & Lawn Chemicals*
- *Household Cleaners & Disinfectants*
- *Auto & Boat Fluids*
- *Pool Chemicals*
- *Paints, Polishes & Stains*

Free collection for residents

More info >> www.loveyourlocalwater.org



E-Waste Recycling



Only 20% of all e-waste is recycled

Nearly 100% of electronics are recyclable in some manner

Recycling used electronics saves energy & helps to protect the environment

Going Green At Home & On the Go



6 TIPS FOR LIVING WITH LESS PLASTIC



1
Bring your own shopping bag



2
Carry a reusable water bottle



3
Bring your own mug



4
Pack lunch in reusable containers



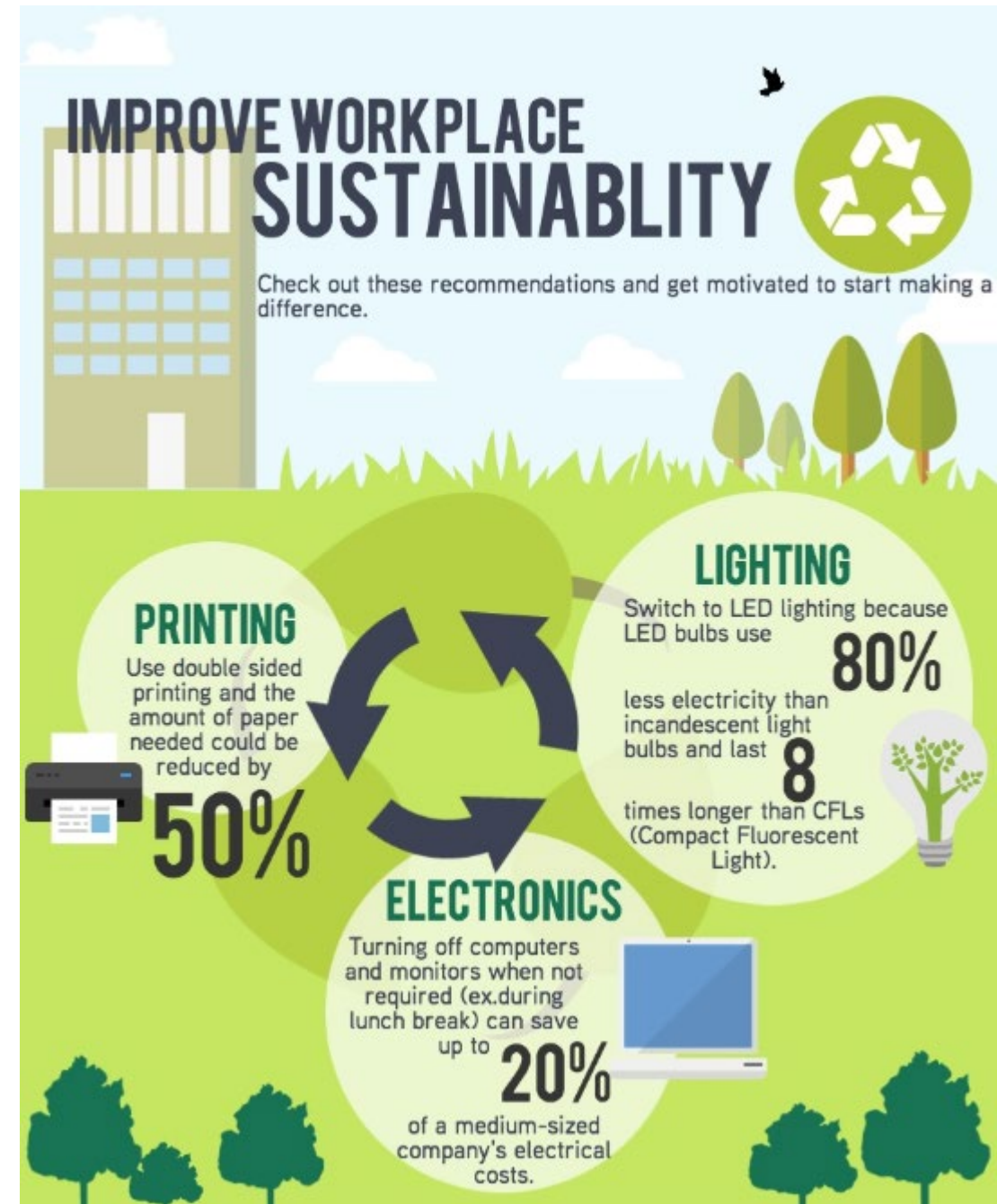
5
Refuse plastic cutlery and straws



6
Skip the plastic produce bags

Going Green At Work

- Appoint a Green Team Leader
- Provide recycling bins at every desk and educate employees on do's/don'ts
- Encourage use of reusable containers
- Invest in mugs, plates and silverware
- Reduce paper consumption
 - *Think before you print*
 - *Use both sides of paper*
 - *Consider paperless billing options*
- Track & reward staff



Composting

- Compost: Organic material that can be added to soil to help plants grow
- Food scraps + yard waste >>> 30% of what's thrown away
- Composting keeps these materials out of the waste stream



OK to Compost

Fruits
Vegetables
Grass clippings
Flowers
Coffee grounds
Paper towels
Eggshells
Shredded paper
Brown paper bags
Newspaper

Items to Avoid

Wheat products
Cooking oil
Meat products & fish
Dairy
Diseased plants
Disposable diapers
Plastics
Toxic chemicals
Sawdust
Large branches

Composting: Getting Started

- Mix of greens, browns and water
- Dry, shady spot near water source
- Bin or fenced off area approx. 3' x 3' x 3'
- Add brown and green material as collected
- Turn every 2-4 weeks and keep moist
- Mix grass clippings and green waste once established
- Process takes approximately 3 months to a year



Recapping Discussion:

- Eliminate recycling contamination
 - *No plastic bags, food waste, garbage, tanglers*
- Dispose of materials properly
 - *Hazardous waste, latex paint recycling, e-waste*
- Reduce reliance on single use plastics
 - *BYO: Cups, bags, containers*
- “Go Green” whenever you can
 - *More than just recycling*





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