



RECYCLING AND  
COMPOSTING  
STARTS WITH  
YOU!



# The 4 R's

## Reduce

To make smaller in amount, number, or size

## Reuse

To use again

## Recycle

A way to **make old, used** materials into new things!

## Rot

The natural process that changes organic materials back into soil

# What are They Made Out of?

## Paper?

- Trees

## Glass?

- Sand

## Plastic?

- Oil

## Metal?

- Minerals from the ground



# What is a Landfill?

- Huge piles of garbage are placed into a hole and buried
- Paper takes up 40% of landfill space – but it could be recycled!
- Diversion
- Problems...



# A little bit about your trash

- Cigarette filters, paper, food wrappers, and napkins/tissues top the list
- We take your trash to **Guadalupe Landfill** 15999 Guadalupe Mines Rd, San Jose, CA 95120

Grand Total Tons:		
MSW Resi	1,831.79	436.12
MSW Comm	2,425.86	684.66
MSW RO	<u>1,046.26</u>	<u>159.76</u>
<b>MSW Totals</b>	<b>5,303.91</b>	<b>1,280.54</b>
YardWaste Resi	2,223.39	475.75
YardWaste RO	149.93	25.15
Compost Comm	195.85	61.51
Concrete	54.69	25.28
Soil	78.53	21.43
Diverted Sort Matl	131.42	35.26
WoodWaste	-	-
<b>Total Tons:</b>	<b>8,137.72</b>	<b>1,924.92</b>



# How Long Does Trash Last?



- Banana
- Paper Bag
- Tin Can



- 3-4 Weeks



- 1 month



- Plastic Bottle

- 50 years

- Glass Bottle



- 200-500 years

- Styrofoam Cup

- 1-2 million years

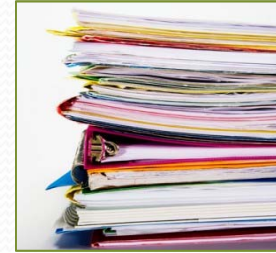


- Forever

# Recyclables



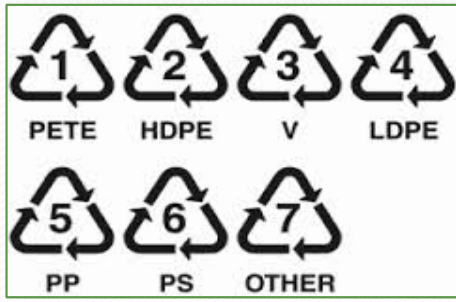
Paper



Glass



Plastic



Scrap Metal





**RECYCLE OFTEN.  
RECYCLE RIGHT.™**

## KEEP THE DIRTY DOZEN OUT OF YOUR RECYCLING CART.

You have heard the saying, "one bad apple can spoil the bunch." The same goes for recycling. We need your help to keep the dirty dozen out of the recycling cart.



Food



Plastic Bags



Food-Soiled Paper



Snack Bags & Wrappers



Cords/Wires



Garden Hose



Clothing



Diapers



Broken Cups & Dishes



Electronics & Batteries



Household Hazardous Waste



Needles

Go to [RecycleOftenRecycleRight.com](http://RecycleOftenRecycleRight.com) to learn more.

2017



## RECYCLING RULES

**1. RECYCLE ALL BOTTLES, CANS AND PAPER**

**2. KEEP ITEMS CLEAN AND DRY**

**3. NO PLASTIC BAGS**

### Always recycle:



#### Plastic Bottles & Containers

Plastic bottles, jars, jugs and tubs



#### Food & Beverage Cans

Tin, aluminum, steel food and beverage cans



#### Paper

Cardboard, paper, newspaper, paperboard, magazines



#### Flattened Cardboard & Paperboard

Flatten all boxes (do not bundle/tie up)



# Tricky Items

- **Plastic straws *can technically be recycled*.** The problem is that plastic straws are small, thin, and bend easily. This is a problem because they easily fall into the cracks and crevices of recycling machinery.

The best way to keep plastic straws out of landfills is not to use them - whether you're at home or in a restaurant.

- If you'd like to use a straw, there are paper and other nonplastic alternatives. Try reusable straws made of bamboo, metal and glass.

<https://get-green-now.com/recycle-plastic-straws/>



<https://greentumble.com/10-reasons-why-plastic-bags-should-be-banned/>



# The importance of Recycling



This sperm whale was found washed up on the Italian island of Sardinia. **(CNN)**The carcass had 22 kilograms (49 pounds) of plastic in its stomach

Proper Recycling decreases the chance that waste will end up into our streams and oceans. It also helps reduce the impact that our waste has on animals.

"We've used the 'comfort' of disposable objects in a lighthearted way in the past years and now we are paying the consequences. Indeed the animals, above all, are the ones paying them," Sergio Costa, Italy's environment minister.



Green team of San Jose



sierraclub



1,781 likes

**sierraclub** We need to stop plastic at its source -- with the corporations that produce it. The world's largest food company, Nestlé, produced 1.7 million tons of plastic last year alone!

Act now and tell Nestlé's CEO to stop producing single-use plastic and immediately start shifting toward refillable and reusable products before it's too late --> [sc.org/nestlé](https://sc.org/nestlé)

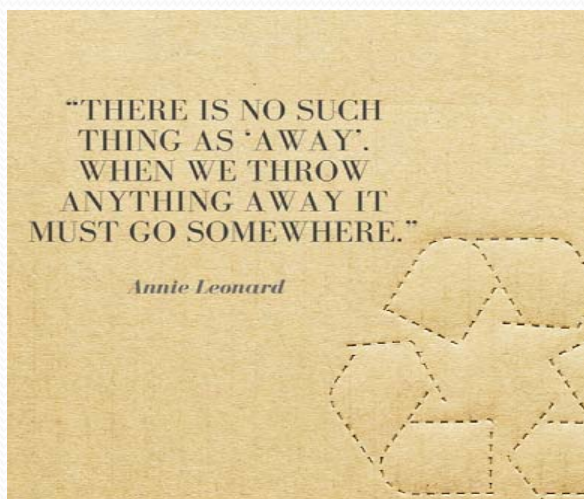


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GreenTeam of San Jose

# Why should we recycle?



KEEP AMERICA  
**BEAUTIFUL**

1. Conserves natural resources
2. Saves a large amount of water and energy during a production process
3. Diminishes greenhouse gases
4. Extends landfill life
5. Protects land and waterways
6. Saves the lives of marine animals



# How do we keep waste out of the landfill?

Just put your recyclables and compost in the correct carts!  
We'll take care of the rest.

Compost

Garbage

Recycling



 WEST VALLEY  
COLLECTION & RECYCLING, LLC



West Valley Collection & Recycling

# Where Do Recyclables Go Next? The Recycling Center!



- Recyclables are placed on a fast moving conveyor belt.
- Each worker is assigned a type of material to look out for.

Machines help sort the items with magnets, air pumps and different sized blades







**After all the items are sorted and broken down, they are ready to be made into new things**



West Valley Collection & Recycling



GreenTeam of San Jose

**Market/Store**

**Product Maker**

**House**

**Landfill**

**Processing  
Center**

**Recycling  
Collection**

**Recycling Center**



# Product Maker



# Recycling Contamination





**Cambodia to send back  
1,600 tons of plastic waste  
to the US and Canada**



# YES PLEASE



Paper, newspapers, magazines and junk mail



Cardboard, clean food packaging, boxes and cards



Plastic bottles and tops  
**(WASH, SQUASH AND PUT THE TOP BACK ON)**



Plastic pots, tubs and food trays



Steel and aluminium cans



Aluminium foil  
**(ROLL YOUR FOIL INTO A TENNIS BALL SIZE)**



Metal pots, pans and trays



Cartons e.g. Tetra Pak

**CLEAN, DRY AND LOOSE PLEASE!**  
NO BAGGED ITEMS



Books, paperback and hardback



EMPTY aerosols  
(no paint, fertilizer or weed killer)



# NO THANKS



Food waste



Glass



Textiles and clothes  
**(WE CAN NO LONGER ACCEPT BAGGED OR LOOSE TEXTILES)**



Electricals and batteries



Nappies



Plastic bags and film



Polystyrene



Gas canisters



Crisp packets and food pouches



Small stuff e.g. loose bottle tops and shredded paper

4cm  
No ITEMS SMALLER THAN THIS

## WHY? PUTTING THE WRONG THING IN YOUR RECYCLING BIN CAN:

- spoil a whole lorry load of recycling
- be dangerous and unpleasant for the people who sort it
- waste taxpayers' money

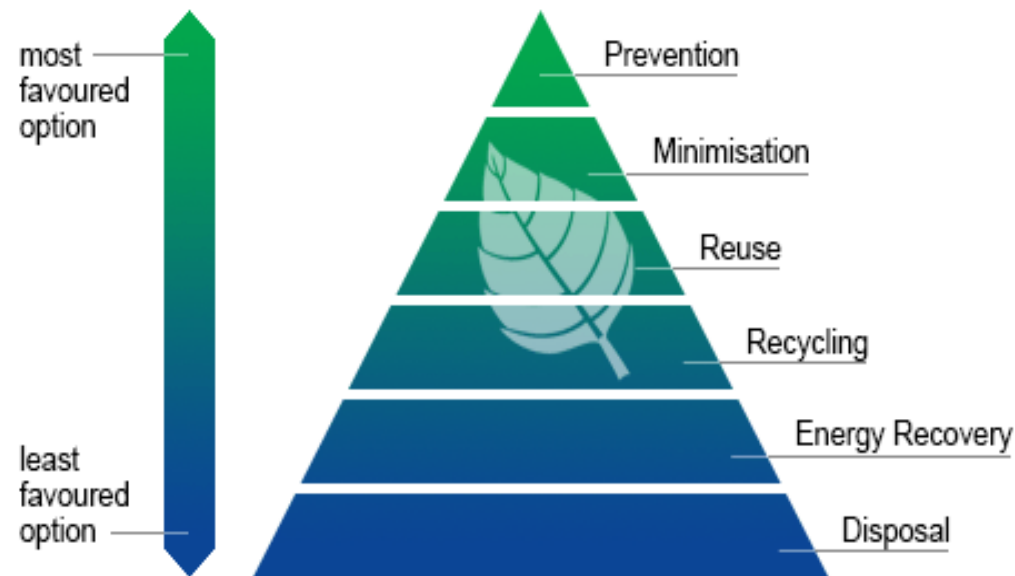


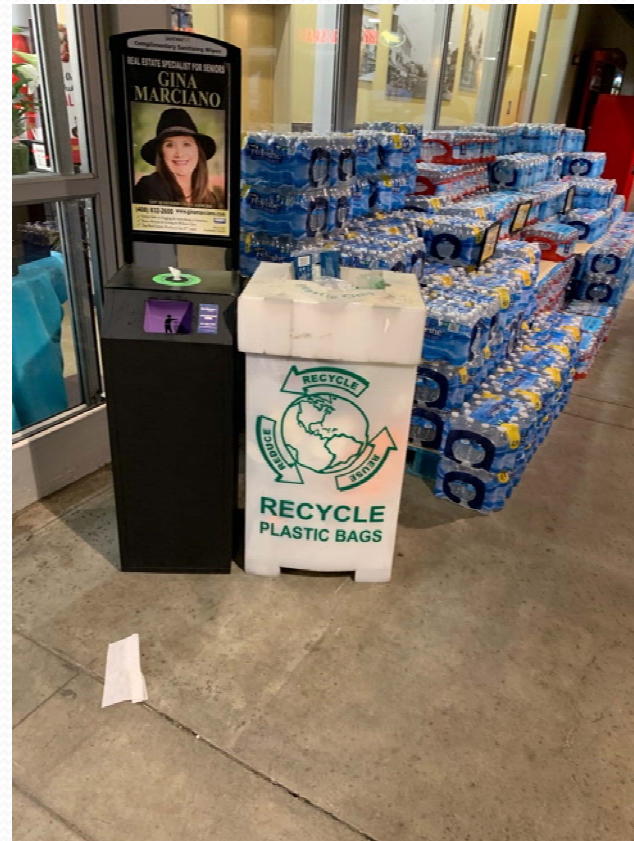
# Sustainability

“Sustainability has shifted from being a buzzword to becoming part of the corporate culture for many businesses.” (Mike Averill, Tulsa World Feb. 3, 2019)

Local companies are saving dollars while reducing their environmental impact. Resulting in an overall improvement in financial savings, employee engagement, efficiency and waste reduction.

(Scor3card The Triple Bottom Line, <https://sustainabletulsainc.org/scor3card/>)





# Compost/Organics

Food Scraps



Food-Soiled Paper



Yard Waste



## AB 1826 Implementation Schedule

April 2016 – 8 Cubic Yards Organic Waste



Jan 2017 – 4 Cubic Yards Organic Waste



Jan 2019 – 4 Cubic Yards Solid Waste  
*(All AB 341 Businesses)*



> Jan 2020 – 2 Cubic Yards Solid Waste  
*(CalRecycle Determination)*





West Valley Collection & Recycling

# Green Waste Recovery

## Yard Waste MRF + Composting Process

Materials here are divided by size, with smaller materials sent to Z-Best to be transformed into an organic compost, while larger materials are ground up and sent to cogeneration plants for fuel. Over 99% of the material processed in this facility will be made into a new product.



# What happens to your compost?

Our Compost driver typically picks up your compost bins between 3:30AM-5:00AM every Tuesday for Apts., Wednesday and Friday morning for commercial properties.

After the route is complete, the driver proceeds to the processing facility/weigh station.

(ex. For the month of Jan 2019 WVCR logged in 208t, Dec 2018 141t)

The driver completes our service by dropping the organic waste at GreenWaste Recovery and reporting the weight.

GreenWaste Recovery shreds the compost and pulls out the garbage and recycle within it. <http://www.greenwaste.com>

GreenWaste Recovery then transfers it to Z-Best Composting facility in Gilroy.

Where they process the compost. <https://www.zankerrecycling.com/zbest/>



Organics "By Gosh"

100% grassroots organics recycling

# COMPOST FACTS



Organics "By Gosh" receives wasted food and yard trimmings from city residents and businesses.



Contamination is removed & the material is added to the compost pile.



Microbes digest the resources and produce heat as they work.



Compost cooks for up to 12 months, with the pile turned multiple times for aeration.

After it's finished cooking, you're left with black gold: **compost!**



Use the finished compost to grow healthy food and preserve water.

## CONTAMINATION



**Any non-compostable material**

These materials have to be manually removed.

**This extra step wastes time and money**

**ONE** piece of glass can ruin an entire pile



**1%**

of any contamination ruins

**100%**

of the compost's value

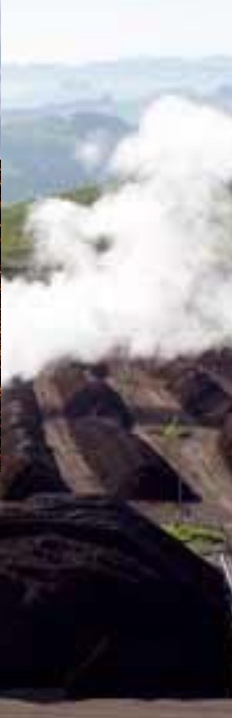
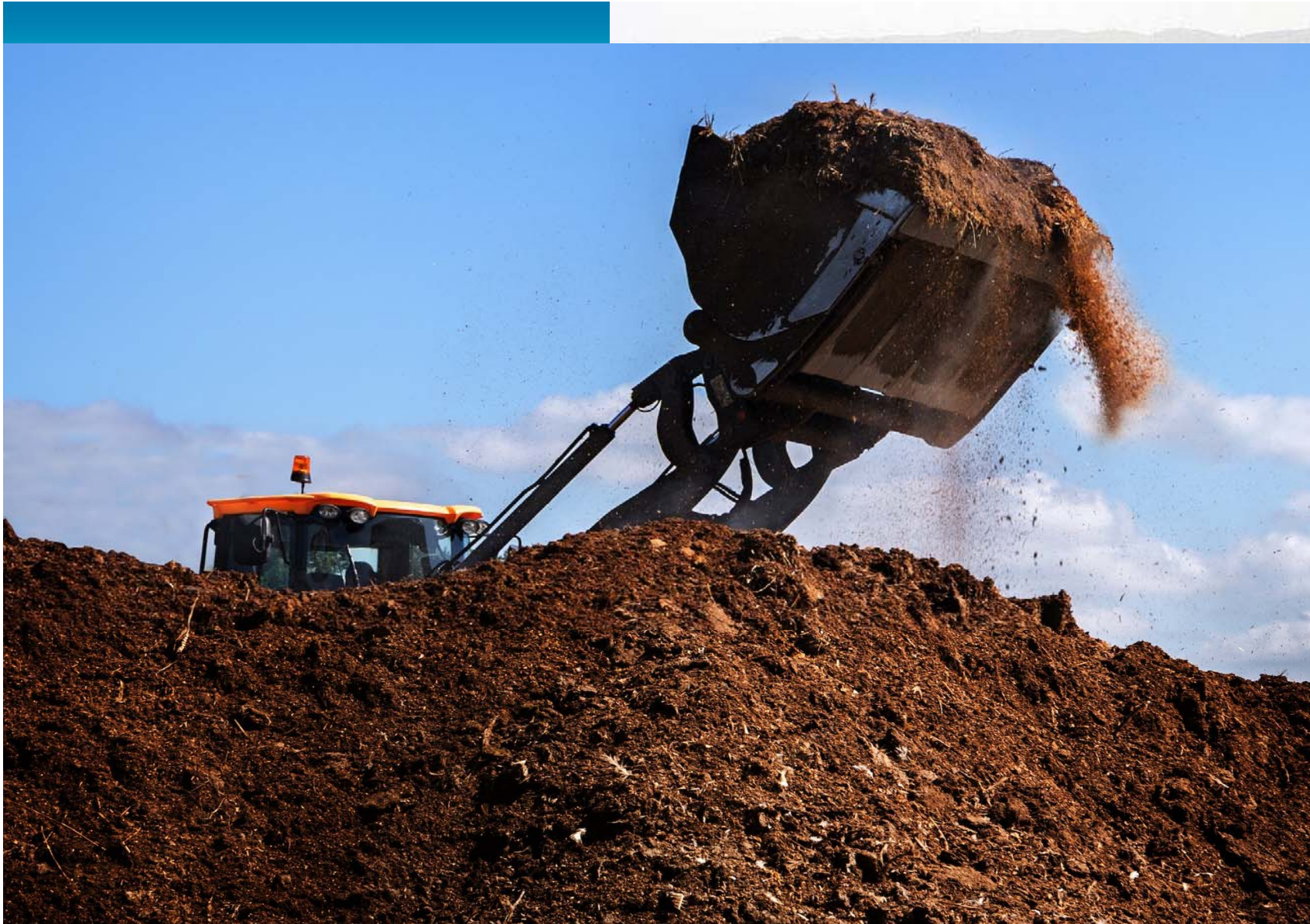
JOIN US IN STEWARDING THE ENVIRONMENT FOR FUTURE GENERATIONS, "BY GOSH"



# Where does the compost go?

At first, to the same place – the sorting center. Then, to the commercial composting facility



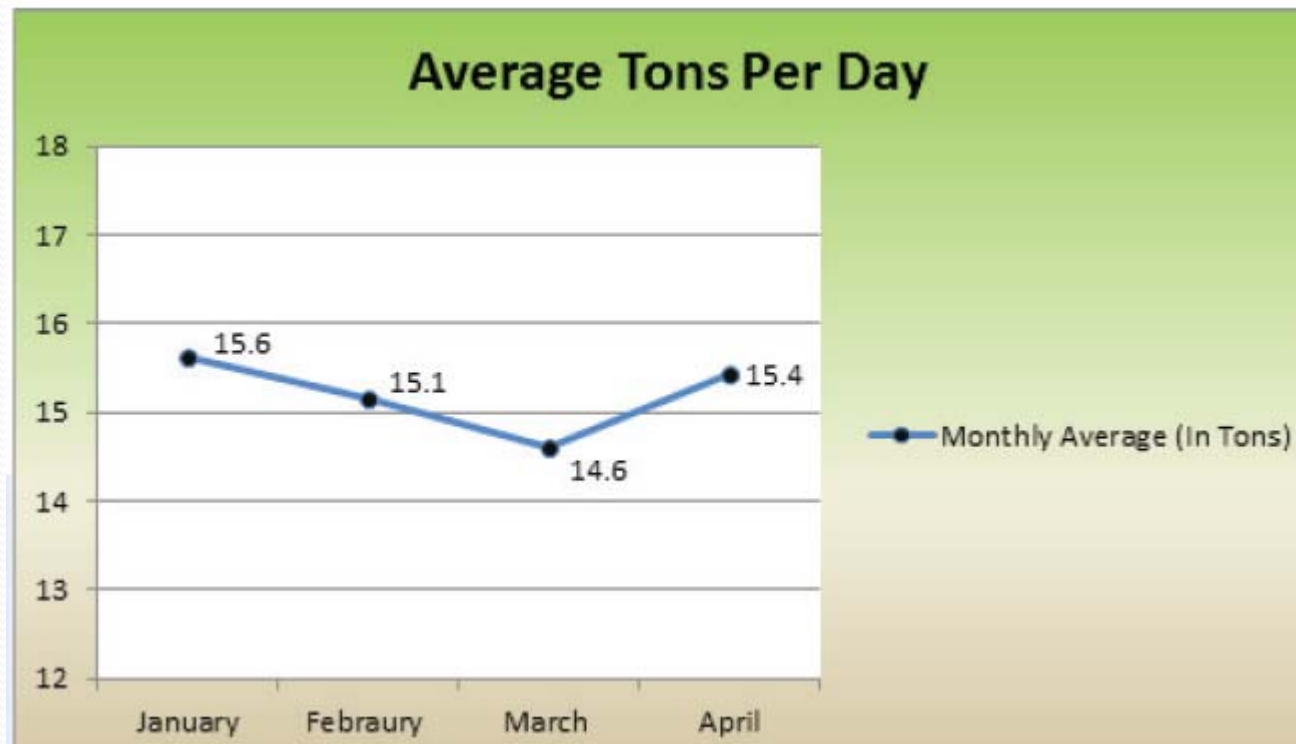


# What happens to the compost?



West Valley businesses have been adding Organics service at their properties to comply with AB 1826 and are using this new program effectively.

Table 1 details the total tons of organic material, (in tons), that was collected from our Commercial Customers from January-April of 2019. So far in 2019, West Valley businesses have diverted **768 Tons** of organic material from entering our local landfill. Great job, Thank you!



# Time to see how good of a recycler you are!

<u>Item</u>	<u>Recyclable</u>	<u>Trash</u>	<u>Compost</u>
Junk Mail	✓		
Phonebook	✓		
Envelope		✓ (Bubble Wrap)	
Paper Plate (Dirty)			✓
Cereal Box	✓ (Box)	✓ (Liner)	
Cheeseburger			✓
Paper Towels	✓(Cardboard)	✓(Dirty)	
Dirty Napkins(non-compostable)		✓	
Aluminum (clean)	✓		
Styrofoam		✓	
Vegetables			✓
Clothing		✓	
Metal hanger		✓	
Ice cream container	✓ (Clean)		
Flowers			✓
X-Box	✓		



# Recycling Video

- <https://www.youtube.com/watch?v=5K-ZvtgRz90>