



# STRATEGIC PLAN TO REDUCE WASTE

## Public Stakeholder Meetings

May 23

Fallbrook

May 25

Ramona

May 26

Bonita



Managing Tomorrow's Resources Today



# BACKGROUND

**AB 939**

1989

50%  
diversion by  
2000

**AB 341**

2011

Goal of 75%  
diversion by  
2020

**AB 1826**

2014

Mandatory  
Organics  
Recycling

**2015**

62%

Overall Diversion

Sector Rates

Residential 44%

Commercial 7%

Industrial 27%

# BOARD OF SUPERVISORS' DIRECTION

Identify what it will take to achieve  
**75% diversion by 2020**

and

**Zero Waste (90% diversion) by 2040**

for **County operations** and our  
**unincorporated communities**



# GOALS OF STAKEHOLDER ENGAGEMENT

- Receive input on menu of programs & policies
- Leverage stakeholder interests & capacity to play a long-term role in reducing waste
- Contribute to the creation of a financially viable & operationally efficient Plan

# “ZERO WASTE”: A WORLDWIDE RESPONSE

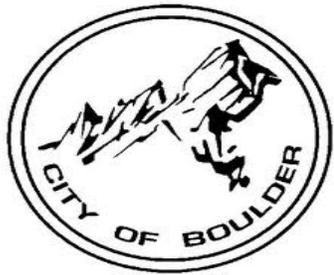
“Zero Waste” is a design principle that focuses on reducing waste, reusing products and then recycling and composting them at the end of their life cycle.

Worldwide governmental and non-governmental organizations have recognized that the prevention and management of discarded materials is essential to achieving an economically, environmentally, and socially sustainable future.



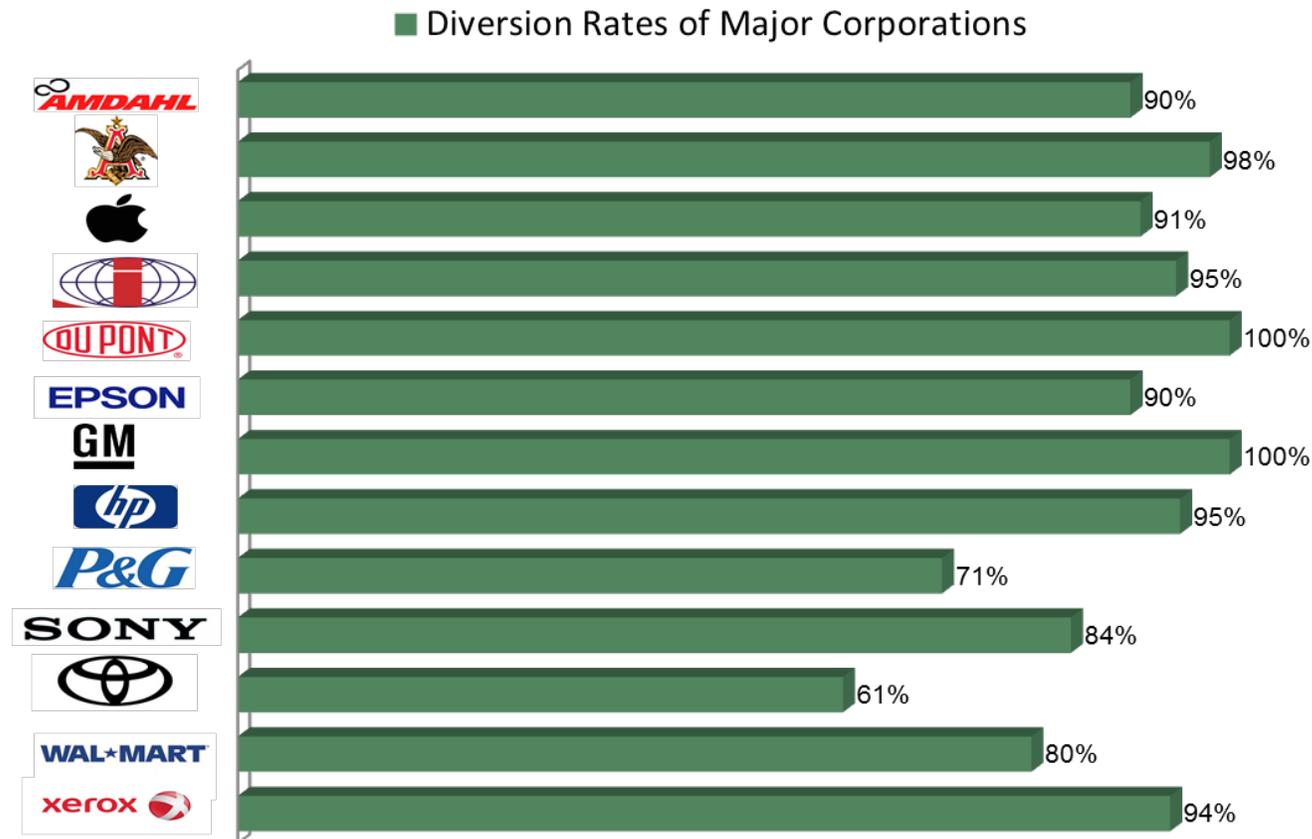
# A NATIONAL RESPONSE

Nationally, jurisdictions across the country are adopting “Zero Waste” policies and strategies to achieve their vision of a sustainable future for their communities.



# A CORPORATE RESPONSE

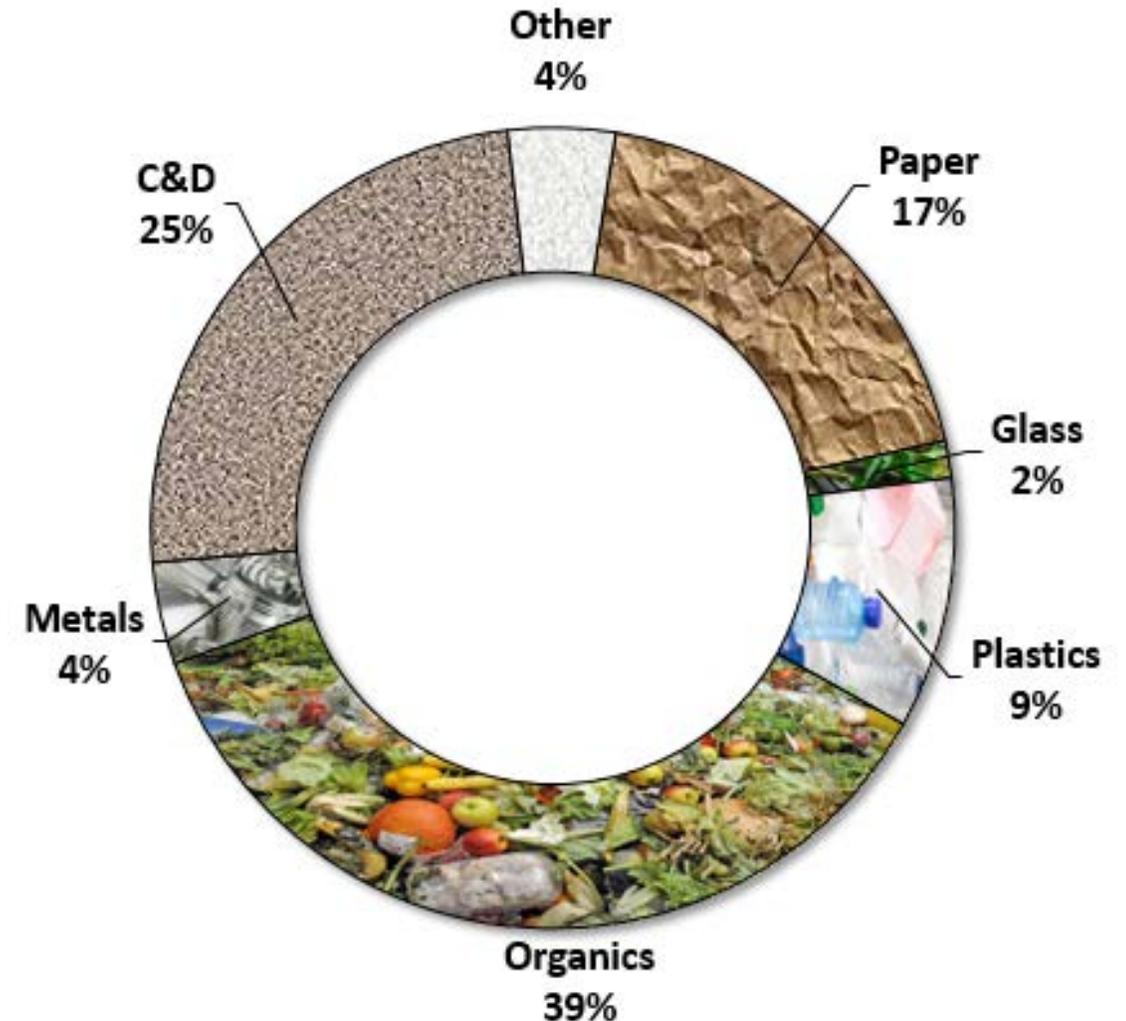
Corporations are adopting “Zero Waste” design principles to profitably conserve resources.



- GM added \$1 billion in revenue annually from byproduct recycling and reuse.
- Amdahl saved \$300,000 in waste hauling costs over four years by switching to recycling.
- HP saved almost \$5.1 million a year through reuse and avoided waste disposal costs.
- San Diego Wild Animal Park saved over \$1 million annually in tipping and hauling fees.

# GOLDMINE GOING TO LANDFILL

- Annual disposal volume:  
**454,000 tons**
- Materials disposed that could be recycled: **76%**
- Value: ~ **\$20 million**
- Organics: **39%**
- Food Waste: **15%**



# JOB CREATION POTENTIAL

Businesses and jobs can be created and sustained by managing materials more resourcefully. Recycling of discarded materials can create 10 new green jobs, while reuse can generate up to 75 new green jobs for every 10,000 tons of material diverted.

**DISPOSAL**



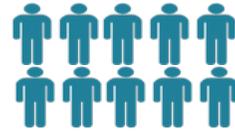
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**RECYCLING**



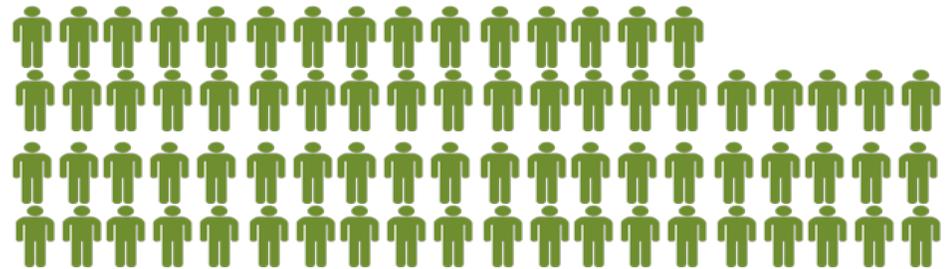
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**REUSE &  
REPAIR**



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Source: Analysis based on USEPA statistics on job creation per 10,000 tons per year of materials management. <http://www.epa.gov/region9/newsletter/feb2011/greenjobs.html>

# EMISSIONS IMPACTS

Recycling and composting San Diego County's 454,000 annual tons of material sent to landfill **conserves embodied energy** and **reduces the generation of...**

## 589,140 Metric Tons of Carbon Dioxide Equivalents



66,292,000 Gallons  
of Gas



Energy from 23,000 Homes



124,000  
Passenger Vehicles

Source: Analysis by HF&H using the EPA's Waste Reduction Model (WARM)

# RESIDENTIAL COLLECTION SERVICE

- 68% of households estimated to have service
- 4 haulers provide weekly service and bulky item collection



- 3 containers at many households
- 2 containers at all others

# SOLID WASTE ORDINANCE

Designated Materials are required to be recycled



## RECYCLE

Thank You for Recycling! • ¡Gracias por Reciclar!

<p>Metals, Cans &amp; Foil</p>  <p>Metales, Latas y Papel Aluminio</p>	<p>Mixed Paper &amp; Cardboard</p>  <p>Papel Mixto y Cartón</p>	<p>Rigid Plastics No plastic bags, wrap, packing peanuts or PVC pipe</p>  <p>Plástico Rígido</p>	<p>Bottles, Cartons &amp; Jars</p>  <p>Botellas, Envases de Cartón y Frascos</p>
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**NO Green Waste • NO Paint or Chemicals**  
**NO Propane Cylinders • NO Trash**

**NO Verduras • NO Pintura o Químicos**  
**NO Tanques del Propano • NO Basura**

Yard Waste



Appliances



# AB 341- MANDATORY RECYCLING



Businesses (including schools and public agencies) generating 4 yds<sup>3</sup> of trash or more per week

Multi-family complexes with four units or more

# AB 1826 - COMMERCIAL ORGANICS

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)*



# COMMERCIAL COLLECTION SERVICES

- 20+ franchise and non-franchise haulers
  - o 4 haulers provide cart and bin service
  - o 10+ haulers provide drop box service
  - o Materials collected
    - o Garbage
    - o Recyclables
    - o Yard trimmings
    - o Food scraps
    - o Construction and demolition debris

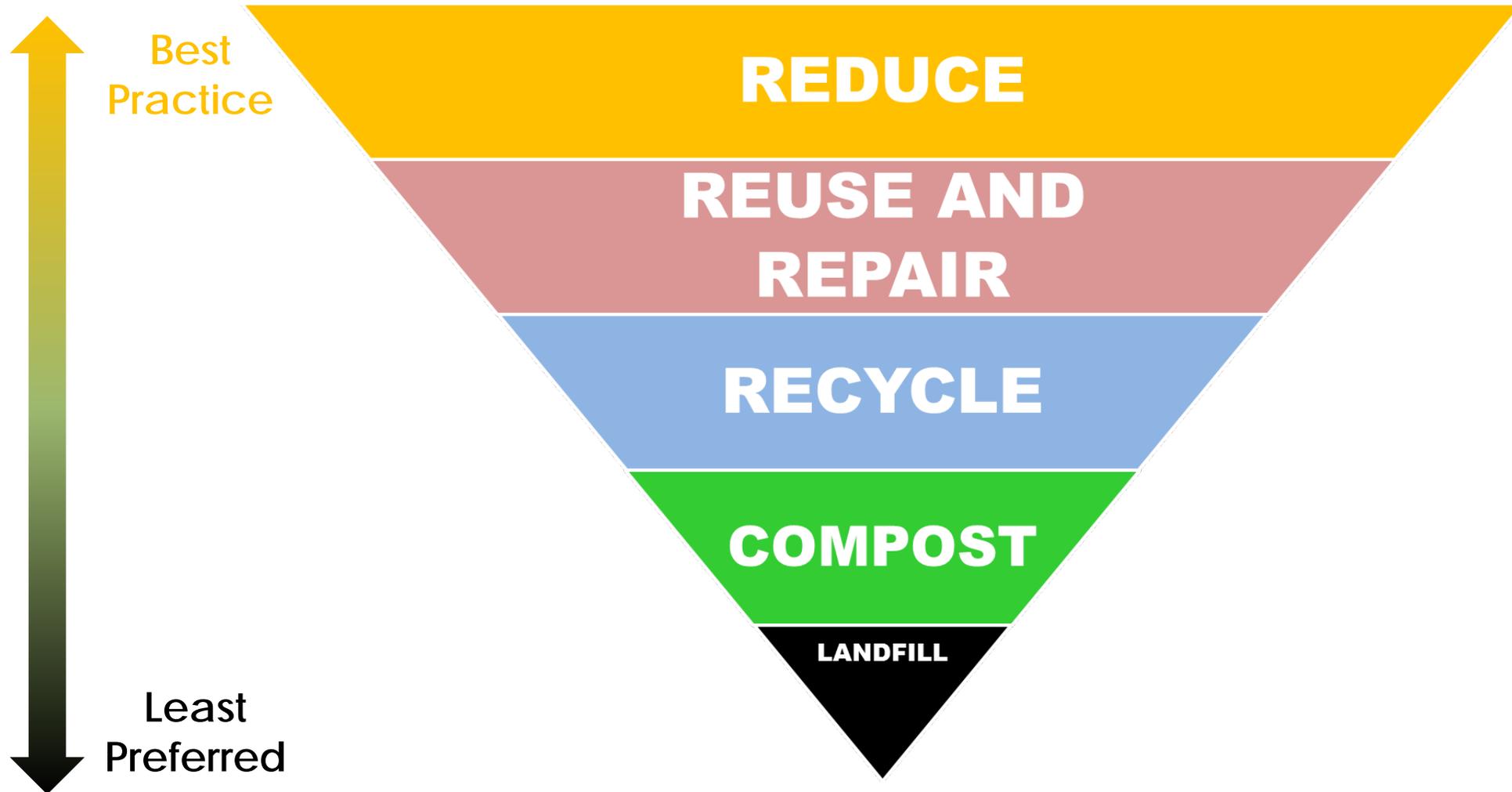


# DROP-OFF FACILITIES AND ORGANIZATIONS

- Compost & Anaerobic Digestion Facilities
- Landfills & Transfer Stations
- Buyback Recycling Centers
- Reuse and Repair Businesses & Organizations
- Food Banks & Pantries
- Community Cleanups/ Special Collection



# RETHINK "WASTE"



# REDUCE



## Junk Mail Reduction Kit

Compliments of the County of San Diego

Opt-out online by searching "Junk Mail" at [www.sdcountry.ca.gov](http://www.sdcountry.ca.gov)



# REUSE AND REPAIR



Directory of donation, repair and recycling organizations



*Too Good to Waste!*

A Food Donation Guide  
for Businesses  
in the County of San Diego



Buy, sell or donate used goods

Encourage Food Donation

# RECYCLE



Residential & Commercial  
Recycling Collection Service

# COMPOST



Residential & Commercial  
Organics Collection Service



County Composting Resources  
Bin Vouchers, Free Workshops & Composting Guides

# CO-DESIGN

## YOUR INPUT WILL SHAPE THE PLAN

**REDUCE**

**REUSE AND  
REPAIR**

**RECYCLE**

**COMPOST**

**LANDFILL**

Share  
Ideas

Identify  
Barriers

# OPPORTUNITIES TO WEIGH IN

## EDUCATE

Learn about opportunities, solutions and barriers

May 23 - 26

## ENGAGE & INNOVATE

Assess support for a preliminary menu of strategies

June 27 - 30

## COMMENT ON DRAFT PLAN

Open House

October 18

## PLAN FOR BOARD OF SUPERVISORS' CONSIDERATION

2017

# THANK YOU AND PLEASE STAY INVOLVED

## Attend Future Meetings

- May 23 – 26 and June 27 – 30
- Details at [www.sandiegocounty.gov/dpw/recycling/plan/](http://www.sandiegocounty.gov/dpw/recycling/plan/)

## Learn More

- [www.sandiegocounty.gov/dpw/recycling/plan/](http://www.sandiegocounty.gov/dpw/recycling/plan/)

## Contact the County

- [Recycle@sdcounty.ca.gov](mailto:Recycle@sdcounty.ca.gov)