



ZERO WASTE PLAN UPDATE

Climate Change Working Group – May 8, 2019

Manuel Medrano, Environmental Services Manager



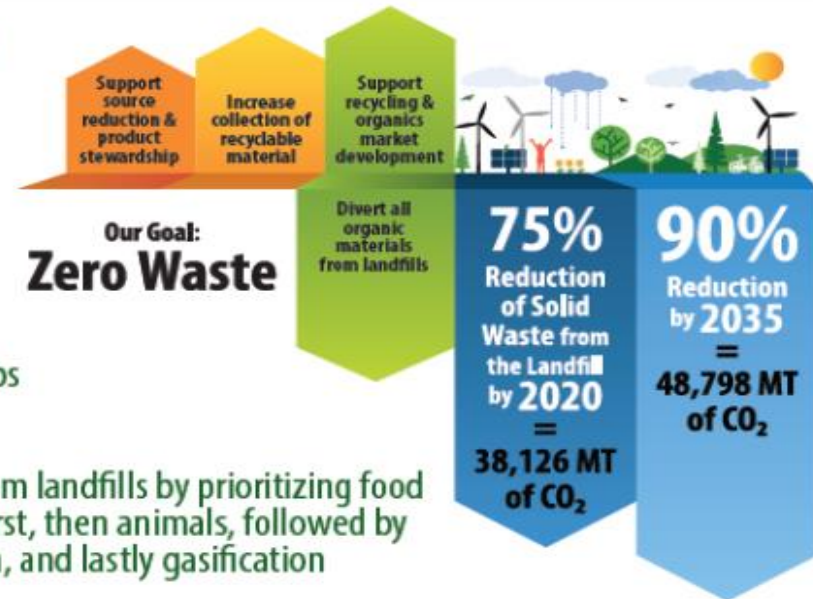
WASTE REDUCTION



1 Zero Waste Plan

A) Develop a Zero Waste Plan to supplement statewide green waste, recycling and plastic bag ban efforts

1. Promote and support source reduction
2. Support of product stewardship
3. Reduce the use of toxic materials
4. Promote and educate on zero waste principles
5. Combine recycling with economic development to fuel new businesses, expand existing markets, and create jobs
6. Increase recycling and composting
7. Reduce and divert organic materials from landfills by prioritizing food waste distribution by feeding people first, then animals, followed by composting and/or anaerobic digestion, and lastly gasification



1. PROMOTING SOURCE REDUCTION

The screenshot shows the Chula Vista CLEAN website. The header includes the logo, navigation links (Residents, Visitors, Businesses, Services, Departments, I Want to...), and social media icons. A search bar is present. The main content area is titled "Recycling" and includes a "Cart Placement" section with a diagram showing the correct arrangement of recycling, trash, and yard waste bins relative to a curb and a car. Below this is a "What goes into your recycling container:" section with a list of items to recycle and a "Recycling Information" graphic showing various recyclable materials.

chula vista
CLEAN

CV Home | About Us | Service Request | Jobs | Calendar | News | eNotification | Contact Us

Residents | Visitors | Businesses | Services | Departments | I Want to... | Facebook | Twitter | Instagram

Search... GO

Departments » CLEAN » Environmental Services

Recycling

Font Size: + - + Share & Bookmark Feedback Print

Cart Placement: (Single-family households and businesses with carts)

Place your carts in the street with the wheels against the curb and the arrow on the lid pointing toward the street. The lid must be closed. Leave at least 1 1/2 feet between your trash, yard waste, and recycling containers so the automated collection equipment can easily pickup the containers. Please do not park your car in front of containers. If possible, park off the street on your scheduled service day.

Proper Container Placement
Follow these simple guidelines for curbside pickup.

Please do not park your car in front of containers.

Questions about your service, call Republic Services at (619) 421-9400.

What goes into your recycling container:

Please recycle;

- Dry food boxes, packaging, paper bags, cardboard, white paper, colored paper, letters and junk mail, shredded paper in a see-through bag
- Milk cartons and juice boxes
- Magazines, newspapers, catalogs, phone books
- Block Styrofoam often in electronic and

Recycling Information

Don't trash a

- Empty metal paint or aerosol cans
- Often in electronic or appliance packaging (NO Peanut or packing Styrofoam)
- Glass or plastic bottles and jars, plus all CRV containers

Dry food boxes, packaging, paper bags, cardboard, white paper, colored paper, letters and junk mail

Milk cartons and juice boxes

Magazines, newspapers, catalogs, phone books


2. Support of Product Stewardship

HOME BLOG **ABOUT US** PRODUCTS POLICY AND LEGISLATION GET INVOLVED DONATE

Meet The Board Members Search


CPSC Board Members

Kristina Miller – Chair
(term ending 9/21/19)




City Manager
City of Corning
794 Third Street
Corning, CA 96021
[Kristina's Bio](#)

Manuel Medrano – Vice Chair
(term ending 9/21/19)




Environmental Services Manager
City of Chula Vista
1276 Fourth Avenue,
Building B
Chula Vista, CA 91910
[Manuel's Bio](#)

Tedd Ward – Treasurer
(term ending 9/21/20)




Del Norte Solid Waste
Mgt Authority
1700 State Street
Crescent City, CA
95531
[Tedd's Bio](#)

Patrick Holland – Secretary
(term ending 9/21/19)




Senior Civil Engineer
Los Angeles County
Public Works
900 S. Fremont Ave.
Alhambra, CA 91803
[Patrick's Bio](#)

Antonia Graham
(term ending 9/21/20)



Acting Assistant to the
City Manager/Energy
& Sustainability Project
Mgr
City of Huntington
Beach
2000 Main Street


Eric Potashner
(term ending 9/21/19)



Vice President &
Sr. Director of Strategic
Affairs Recology
50 California Street,
24th Floor
San Francisco, CA 94111-9796
[Eric's Bio](#)



Donate to CPSC

Donate



CPSC
California Product
Stewardship CouncilSM

Our Campaigns:



Statewide Legislation:

SB 1383: Organics

SB 212: Pharm waste

SB 54: single-use plastics

SB168: plastic container
minimum recycled standard

AB 1884: Straws upon
request

3. Reduce the use of Toxic Materials

City Operations Sustainability Plan

- Phase out the use of harmful pesticides and fertilizers at City facilities

Residents and Business Community:

- Resources on how to switch to toxic alternatives
- Hotline services through I Love a Clean San Diego
- Public Events

4. Promote & educate on Zero Waste Principles



[About](#) [Volunteer](#) [Education](#) [Recycle](#) [Support](#) [News](#) [Contact](#)

Chula Vista Zero Waste 101 Workshop

November 4, 2017 @ 10:00 am - 12:00 pm



[About](#) [Volunteer](#) [Education](#) [Recycle](#) [Support](#) [News](#) [Contact](#)

Chula Vista Zero Waste 101 Workshop

February 24, 2018 @ 10:30 am - 12:30 pm



[About](#) [Volunteer](#) [Education](#) [Recycle](#) [Support](#) [News](#) [Contact](#)

Save Your Scraps Workshop

March 16 @ 11:00 am - 12:30 pm



ay, February 24, 2018, we will be hosting a
00 Gunpowder Point Drive, Chula Vista, CA

5. Combine recycling with economic development, expand existing markets and create jobs

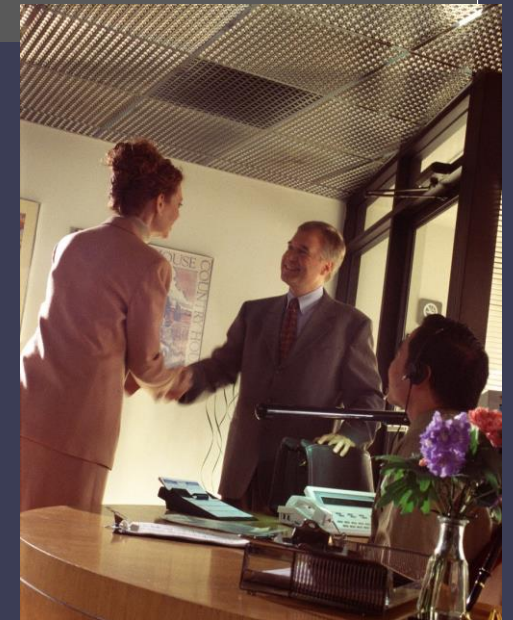
San Diego / Imperial Valley

RMDZ

www.socalrmdz.com

- business loans
- creative partnerships
- free advertising
- permitting assistance

THE RECYCLING MARKET DEVELOPMENT ZONE PROGRAM



6. Increase recycling & composting

75% Recycling Statewide Goal by 2020: In Chula Vista, an additional 15,400 tons will need to be diverted.

RECYCLING - Always Recycle These!

Dry food boxes, packaging, paper bags, cardboard, white paper, colored paper, letters and junk mail

Milk cartons and juice boxes

Magazines, newspapers, catalogs, phone books

Shredded paper in a clear see through bag

Block Styrofoam often in electronic or appliance packaging (NO Peanut or packing Styrofoam)

Empty metal paint or aerosol cans

Glass or plastic bottles and jars, plus all CRV containers

Tin, steel, aluminum cans, pie tins, foil, metal hangers plus all CRV containers

Don't trash a good thing.

Don't bag your recyclables. Place them directly into your recycling container. If bagged, they are considered trash!

RECYCLE

Recycling information:
(619) 421-9400
chulavista.gov/clean

Organics Collection:

Your Business, Your Complex
and New Statewide Requirements



What you need to know.



7. Organics Management

FOOD WASTE FACTS



zerowastechurch.org



1/3 of all food produced ends up in the **TRASH**



Nearly **95%** of discarded food ends up in landfills where it produces **methane**, a significant contributor to climate change.

In the United States alone, discarded food, when expressed in terms of energy, is the equivalent to almost **350 million barrels of oil** per year.*



* Source: Wasted Food, Wasted Energy: The Embedded Energy in Food Waste in the United States, published 2010 in the Environmental Science and Technology journal



1/3 of ALL food
produced
IN THE WORLD
IS WASTED

or

1.3
BILLION
— pounds —

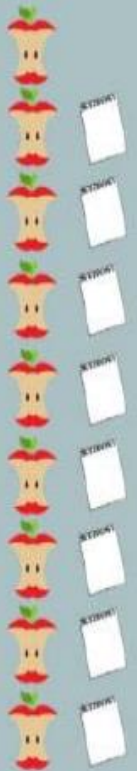


ENOUGH
— to feed —
3 **BILLION**
PEOPLE

Developing organic waste processing infrastructure



NEW DIVERSION



17.2+ million tons/year

NEW FACILITIES



245 facilities @ 70,000 TPY average

NEW FUNDING



Start-up & Capital Costs
\$6M-\$100M each



Compost and Mulch Market Study
County of San Diego, California

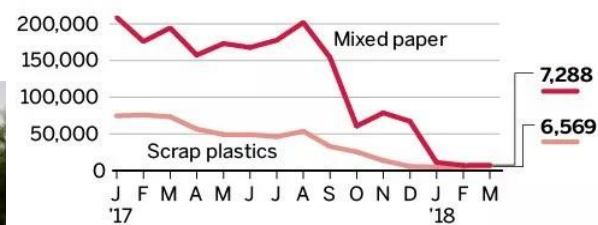
Recycling in crisis



DRASTIC DOWNTURN

Decline of select U.S. scrap exports to China

250,000 metric tons



There has been a major shift in markets for California's recyclable commodities.

Type of scrap	Scrap value	
	Q1 2017	Q1 2018
Old corrugated cardboard	\$143/ton	\$91/ton
Unsorted mixed paper	99	15
Sorted white office paper	225	243
Mixed plastics (Types 3-7) ¹	20	-10.80 ²
HDPE ³ plastic (Type 2)	330-532	312-560
PET ⁴ plastic (Type 1)	236	220
Aluminum cans	1,225	1,340

¹Numbers represent a "resin identification code" used to help recycling plants sort different types of materials. The code tells workers what kind of plastic it is, and how it should be processed.

²Now must pay for disposal

³High-density polyethylene

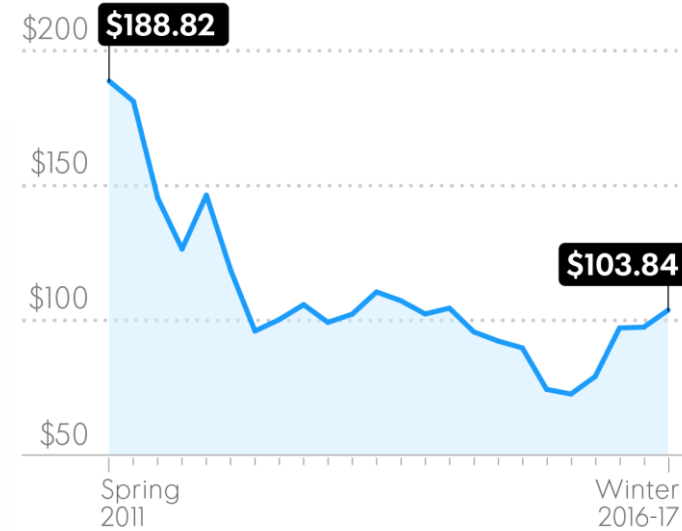
⁴Polyethylene terephthalate

Source: CalRecycle

BAY AREA NEWS GROUP

RECYCLED MATERIAL LOSES VALUE

Value of an average ton of recyclable material at a North Carolina sorting facility from spring 2011 to winter 2016-17:



SOURCE North Carolina Department of Environmental Quality
George Petras, USA TODAY

USA TODAY



As Costs Skyrocket, More U.S. Cities Stop Recycling

With China no longer accepting used plastic and paper, communities are facing steep collection bills, forcing them to end their programs or burn or bury more waste.



QUESTIONS?

ZERO WASTE PLAN UPDATE

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chulavistaca.gov/clean