

Zero Waste

Stakeholders Meeting

SESSION ONE

July 23, 2014 & July 24, 2014

1989

→ AB 939: requires 50% diversion by 2000

2011

→ AB 341: statewide goal of 75% diversion by 2020

2013

→ San Diego has an overall 67% diversion rate

- Residential Recycling Rate- 23%
- Commercial and Multi-Family- 26%
- City Sites- 27%
- C & D-71%

Zero Waste Objective :

- Adopted by Council 12/16/13
- ESD develop Zero Waste Plan by 12/2014
 - Divert 75% waste by 2020
 - Reach Zero Waste by 2040

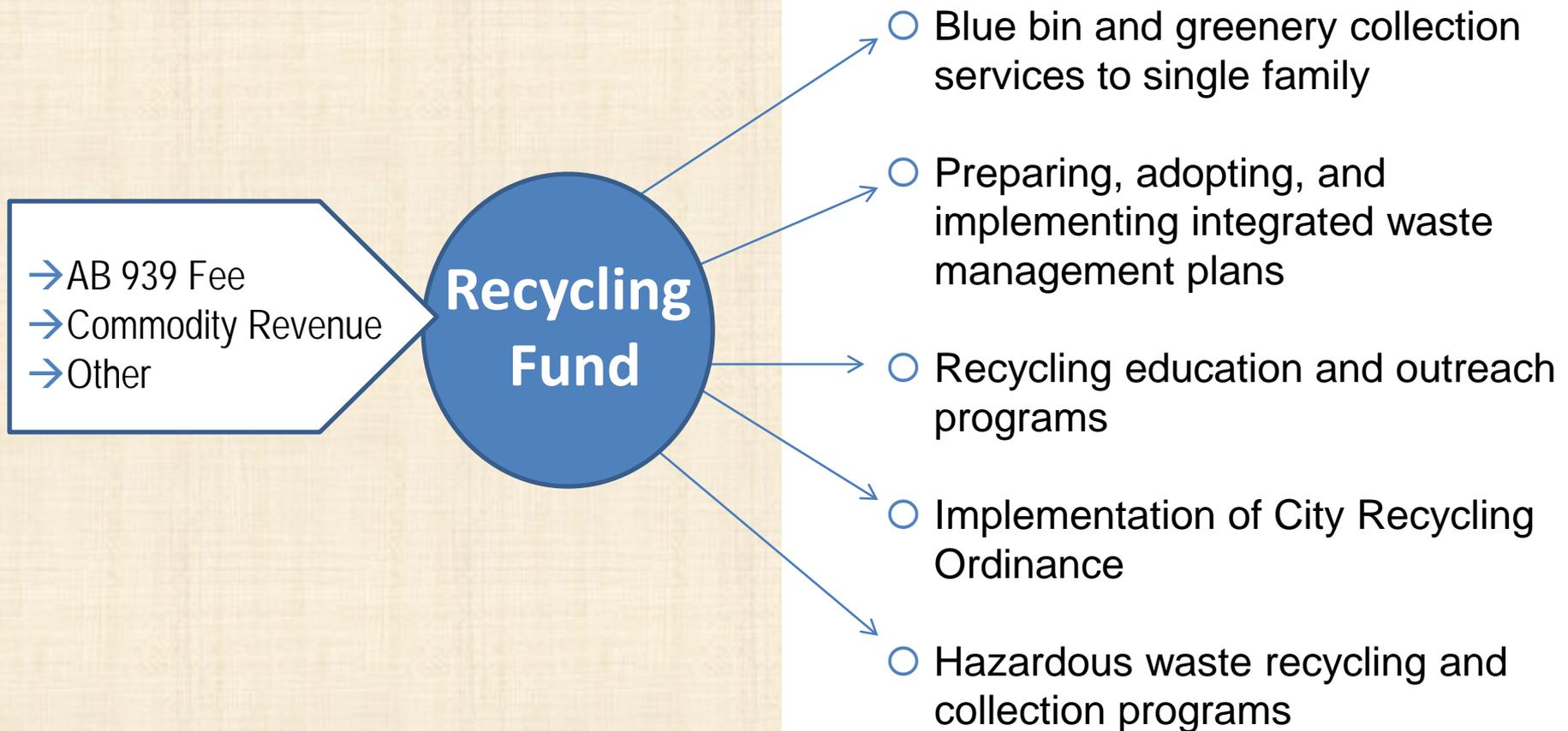
BACKGROUND ON FINANCING

→ Landfill & Greenery
Tipping Fees
→ Other

Refuse Disposal Fund

- Operating Miramar Landfill and Miramar Greenery
- Maintaining 16 closed landfills
- Recycling/diversion programs
- Illegal dump/litter abatements and community cleanups
- Code and franchise agreement enforcement
- Dead animal collection
- Abatement and roll-off services for City Departments

BACKGROUND ON FINANCING



BACKGROUND ON SINGLE FAMILY SERVICES FINANCING

General Fund

→ Pays **\$35M for Curbside Collection of Refuse***:
95% of Collection Division (trash) customers are Single Family Households.



\$52 Million/ year



Recycling Fund

→ Pays **\$17M for Curbside Collection of Recycling & Yard Waste***:
95% of Collection Division customers (recycling and green waste are Single Family Households).

**The Peoples Ordinance prevents the City from collecting taxes or fees to pay for trash, recycling and yard waste collection.*

Primary Reason for Financial Challenges

- Disposal fees based on what market allows
- AB939 fees to **Recycling Fund** are on tons disposed
- Franchise fees to **General Fund** are on tons of waste collected
- Must develop revenue streams outside of “disposal” revenue stream to “resource recovery” revenue stream to support current programs and future diversion efforts

Current 5-year Financial Forecast

Refuse Disposal Fund

FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
\$1,012,708	\$351,000	(\$2,491,000)	(\$4,852,000)	(\$6,984,000)	(\$9,508,000)

Recycling Fund

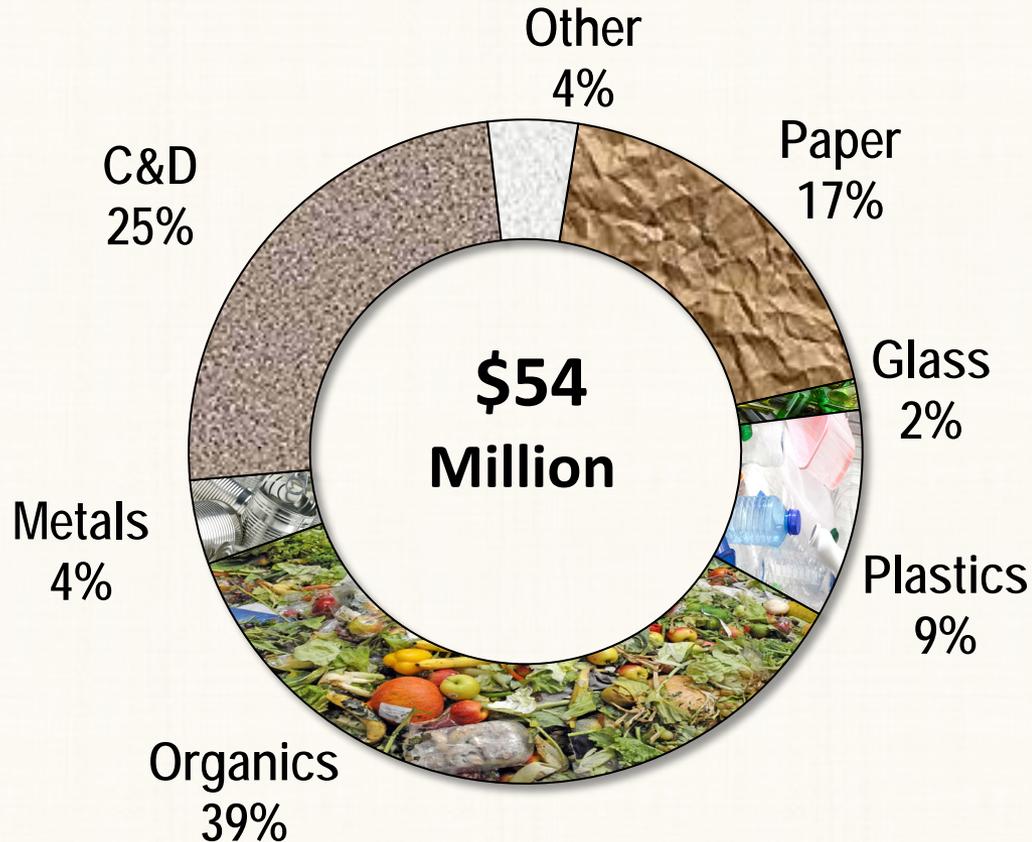
FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
\$8,195,147	\$5,163,000	\$1,852,000	\$(1,653,000)	\$(5,220,000)	\$(8,240,000)

320,000 TONS of Additional Diversion

Needed to Achieve **75%**

- \$7M to \$15M in lost funds annually
 - \$2- \$4M less for General Fund
 - \$4- \$8M less for Disposal Fund
 - \$1- \$3M less for Recycling Fund

OPPORTUNITIES



- 76% of disposed waste is recyclable
- Value \$54M annually
- Organics: 39%
 - Food Waste: 15% (190,000 tons)

Proposed Zero Waste Strategies

- ➔ Resource Recovery Center
- ➔ Automated Greenery Collection
- ➔ Weekly automated Blue Bin Recycling Collection
- ➔ Increase diversion levels in C&D Ordinance
- ➔ Add materials and reduce exemptions in CRO
- ➔ Recycling requirements in Franchise Agreements
- ➔ Supporting policies and laws
- ➔ Enhanced education
- ➔ Anaerobic Digestion

SUSTAINING FUNDING

Refuse Disposal Fund

- Flow control (FY16) (\$8.3M)
- Discontinue City discounts (FY16-FY18) (\$1.75M)

Recycling Fund

- Transfer Sycamore Franchise Fee from General Fund back to Recycling Fund (FY16-FY20) (\$2.9M)
- Charge for Recycling Containers (FY16)(\$1.2M)
- Change AB939 Fees collected from haulers to % of gross revenues (FY16)

General Fund

- Change Franchise Fees to % of gross revenues (FY16)

FUTURE DIVERSION STRATEGIES → Resource Recovery Center

Transtor (Front View)



Customers unload materials

12 foot wide loading width provides for double vehicle unloading at each unit

Transtor (Back View)



Tips into compaction trailer which handles recyclables, MSW, brush and bulky items easily.

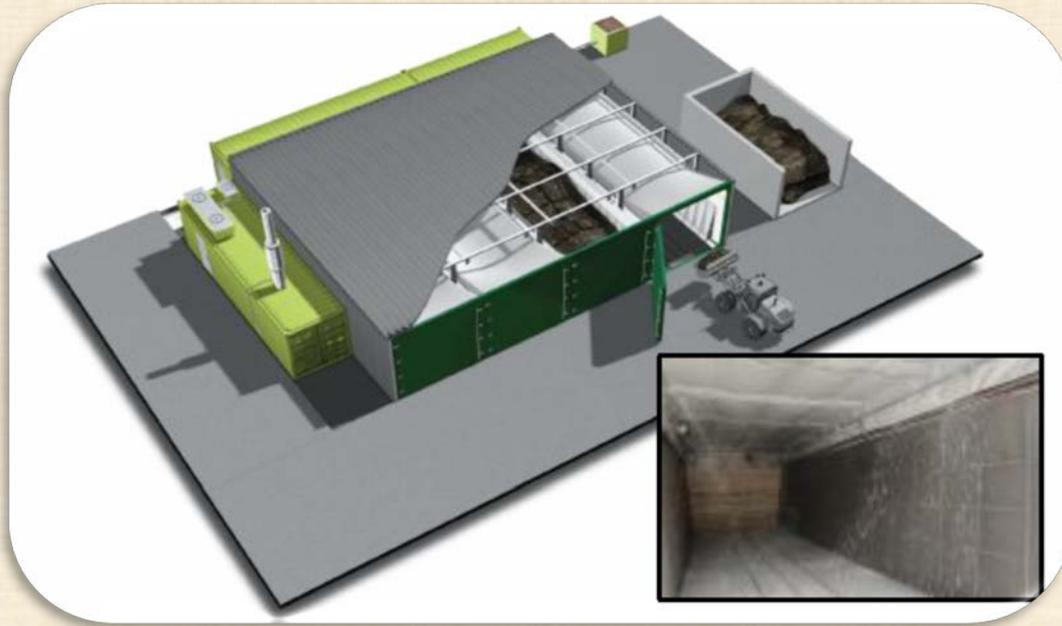


Rotary Auger / Compactors For Bulky Waste and Greens



- Accepts residential MSW, yard waste, recyclables, organics & bulky goods with ease
- Ideal for high flow areas
- Sites can accommodate both residents and collection vehicles

FUTURE DIVERSION STRATEGIES → Anaerobic Digestion

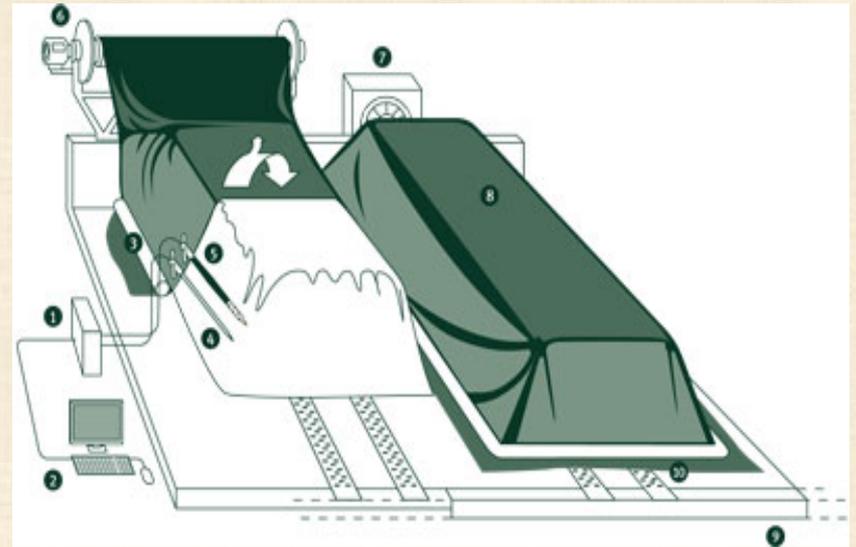


Implementing Anaerobic Digestion will broaden the type of materials that can be composted.



FUTURE DIVERSION STRATEGIES → Aerated Static Pile

ASP will allow the Miramar Greenery to divert approximately an additional 3,000-10,000 tons of green waste and 9,000-20,000 tons of food waste each year



The City recently submitted a grant proposal to Cal Recycle to fund the ASP system and a food rescue program.



→ Stakeholder Meetings Session 1:

Wednesday, July 23—6:00 p.m. to 7:30 p.m. @ Ridgehaven Auditorium

Thursday, July 24—9:30 a.m. to 11:30 a.m. @ Metro Biosolids Conference Center

→ Stakeholder Meetings Session 2:

Wednesday, August 27—6:00 p.m. to 7:30 p.m. @ Ridgehaven Auditorium

Thursday, August 28, 2014—9:30 a.m. to 11:30 a.m. @ Metro Biosolids Conference Center

→ Stakeholder Meetings Session 3:

Wednesday, September 10—6:00 p.m. to 7:30 p.m. @ Ridgehaven Auditorium

Thursday, September 11—9:30 a.m. to 11:30 a.m. @ Metro Biosolids Conference Center

→ Stakeholder Meetings Session 4:

Monday, September 22—9:30 a.m. to 11:30 a.m. @ Metro Biosolids Conference Center

Tuesday, September 23—6:00 p.m. to 7:30 p.m. @ Ridgehaven Auditorium

- **Plan to go to Committee on the Environment (November 2014)**
- **Plan to Council (December 2014)**

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Zero Waste

Stakeholders Meeting

Comments and Questions?

Email us at:

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