Zero Waste & Financial Plan
Stakeholders Meeting

SESSION THREE
September 10 & 11, 2014
STAKEHOLDERS- PARTICIPATION IN SESSIONS 1 & 2 (222 ATTENDEES)

- Association: 7%
- City Staff: 19%
- Education: 4%
- Hauler: 19%
- Industry: 12%
- Local Gov’t: 7%
- NPO: 19%
- Resident: 8%
- Military: 5%
**ZERO WASTE BACKGROUND**

**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%
**BACKGROUND**

**Zero Waste:**
- Materials still regarded as resources rather than waste after use
  - Ties together waste prevention, recycling, composting, other technologies and marketing to minimize disposal
  - Focuses on product design, efficient collection/processing, and marketing
  - Requires education, legislation, technology, sustainable markets
  - Reflects an approach of continuous improvement towards a goal of zero.

**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 – 2013 WASTE COMPOSITION STUDY RESULTS

Single Family

Multifamily

Commercial

Figure 21. Composition by Material Class, City-collected Single Family

Figure 23. Composition by Material Class, Franchise-collected Multifamily

Figure 28. Composition by Material Class, Franchise-collected Commercial
### Current 5-year Financial Forecast

#### Refuse Disposal Fund

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#### Recycling Fund

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PROPOSED STRATEGIES - SUSTAINING FUNDING

- Flow Control ($8.3M)
  - Waste Delivery Agreement/Facility alternate ($TBD)
- Discontinue City discounts (FY16-FY18) ($1.75M)

- Transfer Sycamore Franchise Fee from General Fund back to Recycling Fund (FY16-FY20) ($2.9M)
- Charge for Recycling Containers (FY16) ($1.2M)
  - Consider rental fee vs. full cost
- Change AB939 Fees (franchise haulers) to total tons collected (FY16)

- Change Franchise Fees to total tons collected (FY16)
PROPOSED ZERO WASTE STRATEGIES

San Diego County Disposal Association:

Support Positions:
- Zero Waste Goals 75% by 2020 and Zero by 2040
- Mandatory diversion requirements in franchises
- Franchise and AB939 fees based on all tons collected
- Maintaining existing nonexclusive franchises
- Adding recycling franchises for franchisees and qualified recyclers
- Open market disposal options (e.g., waste delivery agreements)

Oppose Positions:
- Flow control
- Bi-weekly SF recycling – should be weekly
- Increasing fees on Com’l/MF to pay for increased SF services
PROPOSED ZERO WASTE STRATEGIES

Policies

- Increase diversion levels in C&D Ordinance to 65%
- Add materials and reduce exemptions in CRO
  - Eliminate 4 cu yd exemption, add organics
- Recycling requirements in Franchise Agreements
  - Increase hauler-controlled recovery rate to 50%+
- Supporting policies and laws
  - Single-use plastic bag ban (local ordinance if state legislation fails)
  - Packaging and toxics reduction legislation at State/Federal level
  - Product Stewardship/Extended Producer Responsibility
  - Consider local bans on hard-to-handle materials – legal challenges
PROPOSED ZERO WASTE STRATEGIES

Reduce and Reuse

➔ Develop “Zero Waste Star” recognition program
➔ Reuse at the Resource Recovery Center
➔ Enhanced reuse/repair resource directory
➔ Further promote reuse polices
  ➔ Reusable shopping bags and water bottles
➔ Promote reuse programs
  ➔ Repair workshops
  ➔ Online reuse service
  ➔ Reuse businesses
PROPOSED ZERO WASTE STRATEGIES

Recycle

- Bi-weekly Single Family Blue Cart (existing program)
- Full implementation of public recycling at parks/beaches
  - Consider allowing individuals/non-profit groups to “adopt a container” to help fund capital or ongoing costs
    - Public space enhanced adoption program
- Enhanced education
  - Increase frequency of residential cart/bin checks
  - Citywide recycling reporting (e.g. by neighborhood/council district)
  - Enhance education about contamination
  - Cost of recycling collection
- City Departments Zero Waste scorecard
Organics

- Bi-weekly Single Family Greenery Collection ($13M)
  - Expand to include all city customers
  - Automate Greenery Collection
  - Add food scraps to Greenery Collection
  - Keep bi-weekly greenery collection but pilot week greenery collection and every-other-week garbage collection

- Food scraps added to CRO (phased-in)
  - commercial, multi-family, and single family

- Franchise haulers required to offer organics to customers

- Continue discount program for home compost bins

- Food waste hierarchy (reduce, reuse/rescue, compost)
PROPOSED ZERO WASTE STRATEGIES

Special Material

- Support statewide/federal producer responsibility
  - Plastic film, packaging materials
  - Paint, stains, varnishes
  - Carpet
  - Mattresses, couches, furniture, appliances
  - Electronics, batteries, CFLs, universal waste
  - Sharps, pharmaceuticals, medical waste
  - Motor oil, antifreeze, lubricants, home chemicals
Facilities

➤ Resource Recovery Center
   ➤ MMRRC - 50%-65% diversion of self-haul material ($8M-$10M)
   ➤ Regional RRCs & include organics (post 75%)

➤ Aerated Static Pile System Composting System ($2.5-$3M)
   ➤ More food waste
   ➤ Reduced air emissions and vector concerns

➤ Anaerobic Digestion Facility at Miramar ($TBD)
   ➤ Private design, build, operated
PROPOSED ZERO WASTE STRATEGIES

Education/enforcement ($1.5M)

➔ Enhanced Education
  ➔ Community partnerships
  ➔ Enhanced technical assistance for commercial and multifamily
    ➔ Train the trainers (for haulers); Use of community partnerships
  ➔ Enhanced education/enforcement for single-family households
  ➔ Community Landfill tours
  ➔ Enhanced city department outreach and education
  ➔ Enhanced public/private carts/dumpsters graphics (recycling and trash)
  ➔ Continue Quarterly Zero Waste Stakeholder meetings
  ➔ Enhanced social media
  ➔ Enhanced education in schools

➔ Increased staffing
  ➔ Education, enforcement, increased tonnage, and facility
  ➔ development
IMPACT OF PROPOSED ZERO WASTE STRATEGIES

Commercial Sector Potential Fiscal Impacts

- Flow control-potential disposal cost increase
- Fees from tons disposed to ALL tons collected - case by case
- Greenwaste/organics added to CRO may increase costs
- Currently exempt customers will see some net increase in service costs to add recycling
- Require recycling in franchise hauler agreements
  - Infrastructure costs pass through to generator

Commercial Sector Diversion Impacts

- Food waste and greenwaste will be added to CRO
- Exemption removals
- C&D increase rate to 65%
- Increased education/enforcement
**Multifamily Sector Potential Fiscal Impacts**

- Flow control-potential disposal cost increase
- Fees from tons disposed to ALL tons collected - case by case
- Currently exempt customers may see increase in costs
- Greenwaste/organics added to CRO may increase costs
- Require recycling in franchise hauler agreements
  - Infrastructure costs pass through to generator

**Multifamily Sector Diversion Impacts**

- Food waste and greenwaste will be added to CRO
- Exemption removals
- C&D increase rate to 65%
- Increased education and enforcement
IMPACT OF PROPOSED ZERO WASTE STRATEGIES

Single Family Households Potential Fiscal Impacts

- Cost for recycling cart replacement and/or additional cart
- Potential for fines for non-compliance

Single Family Households Diversion Impacts

- Food waste will be added to CRO
- Increased education and enforcement
City Departments Potential Fiscal Impacts

- Flow control-potential disposal cost increase
- Currently exempt customers will see some net increase in service costs to add recycling

City Departments Diversion Impacts

- Leadership in annual diversion
  - Department annual report cards
- Increased education and enforcement
Haulers Potential Fiscal Impacts
- Flow control-potential disposal cost increase
- Change to all tons collected
- Increased services to currently exempt customers
- Franchise agreements tied to diversion performance

Haulers Diversion Impacts
- Food waste will be added to CRO
- Exemption removals
- C&D increase rate to 65%
- Increased education and enforcement
- Franchises for collection of recyclable waste
- Diversion requirements in franchise agreements
General Fund Potential Fiscal Impacts

- Loss of franchise fee from Sycamore ($2.9M)
- Loss of disposal discount from Miramar ($1.75M)
- Potential decrease in cost as SF recycling increases
IMPACT OF PROPOSED ZERO WASTE STRATEGIES

Non-franchised Recyclers Potential Fiscal Impacts

➢ Further evaluation needed to determine if enforcement or franchising is necessary

Non-franchised Recyclers Diversion Impacts

➢ Increased business potential
CALENDAR

→ 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—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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