



DRAFT STRATEGIC PLAN TO REDUCE WASTE

Public Meeting – Round 3

November 7, 2016, 5:00 pm

County Operation Center

Chambers Hearing Room

5520 Overland Ave, San Diego 92123



Managing Tomorrow's Resources Today



Agenda

Introduction

Unincorporated area programs and policies

- Draft Plan recommendations
- Proposed timeline
- Funding strategy

County internal operations programs and policies

Gallery walk/informal discussion



Board of Supervisors' Direction

Identify what it will take to achieve

75% diversion by 2020

&

Zero Waste (90% diversion) by 2040
for our **Unincorporated Communities &**
County Operations



Co-Design: Your Input is Shaping the Plan



Draft Strategic Plan

- Analysis and recommendations by consultant
- Intended to gauge stakeholder interest in options
- Stakeholder input will help shape final staff recommendations to Board of Supervisors



County of San Diego Strategic Plan to Reduce Waste



Draft for Public Review
October 27, 2016



HF&H Consultants, LLC

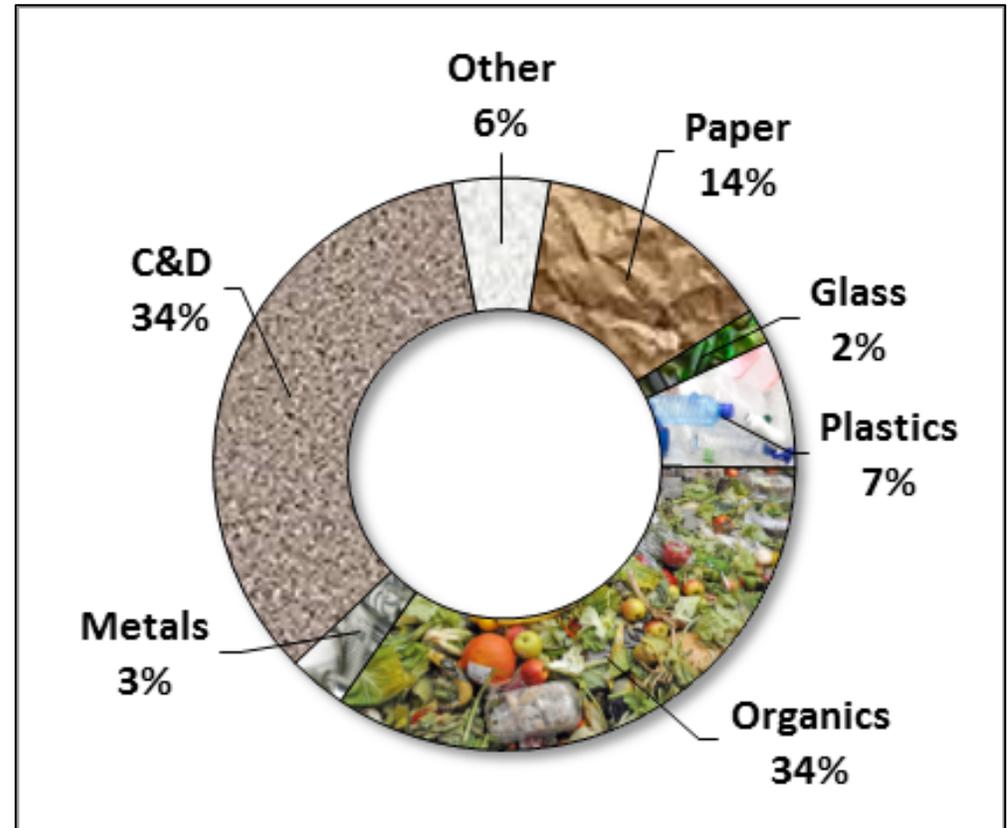
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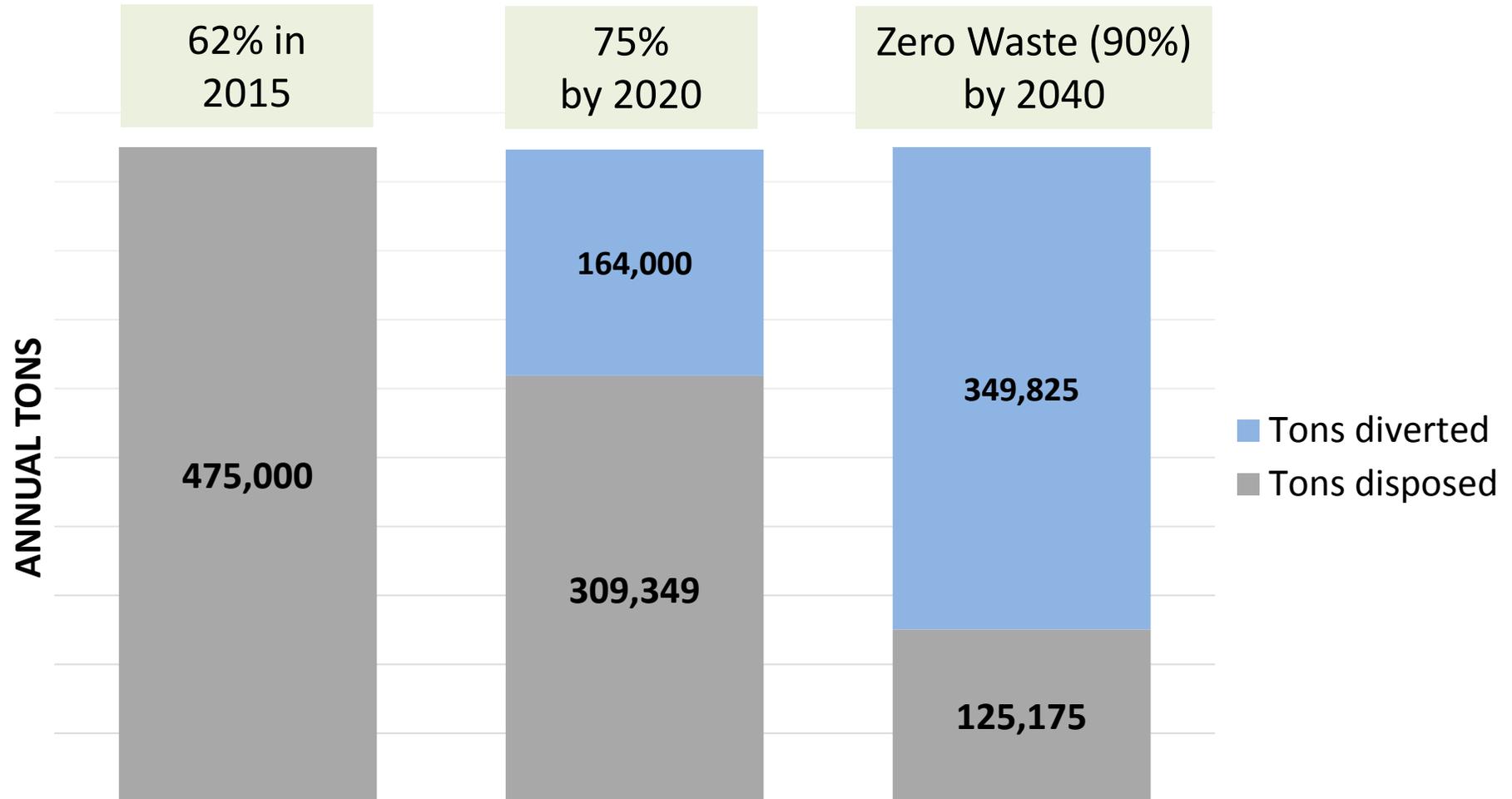
O'Rorke

GOLDMINE GOING TO LANDFILL

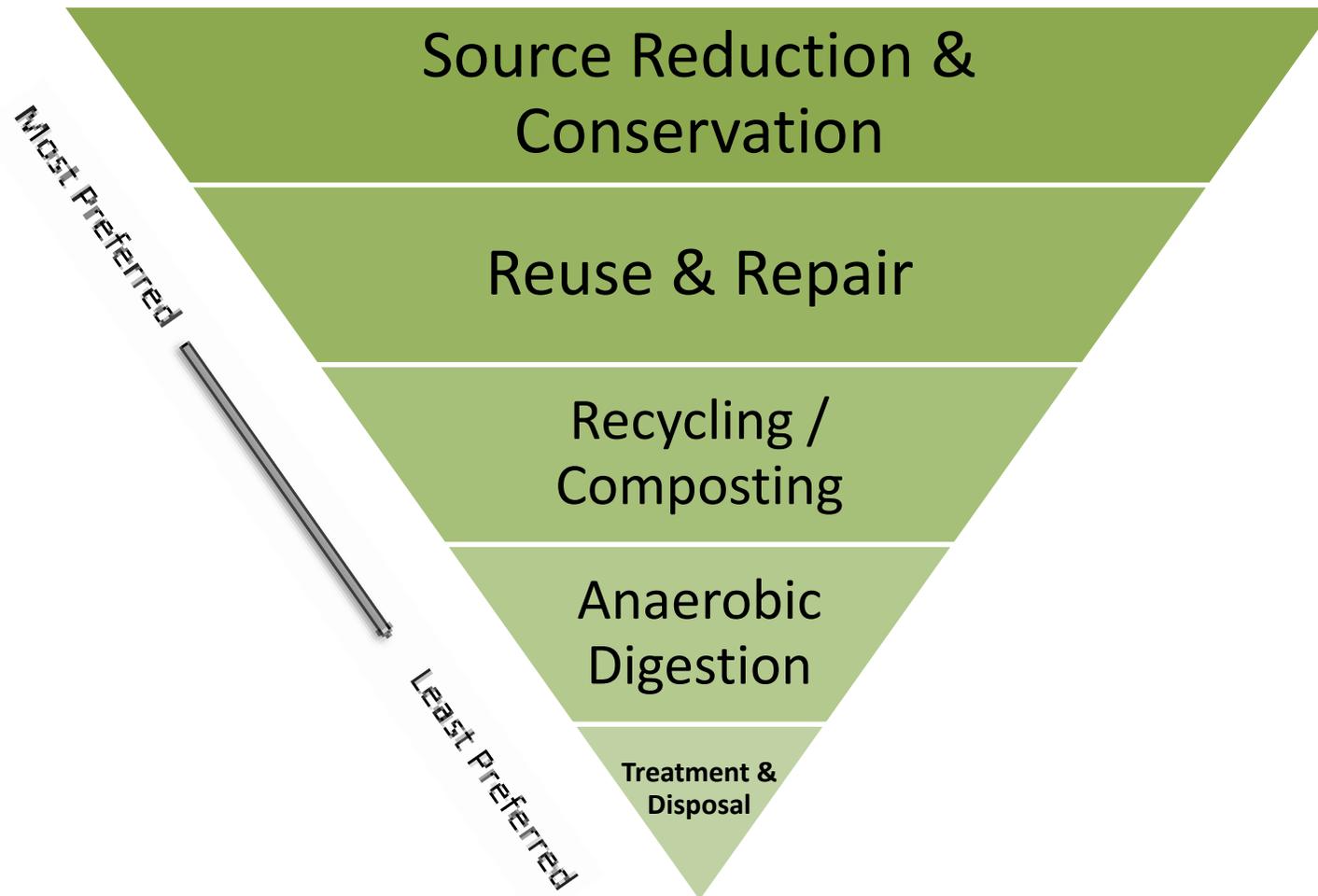
- Annual disposal volume: **475,000 tons**
- Materials disposed that could be recycled: **76%**
- Organics- 34%
- C&D- 34%



Diversion Targets



Rethink “Waste”



Introduction



Questions?

Timeline for Unincorporated Area Recommendations



Reaching 75% by 2020

Reduce, Reuse, Repair

Collection

Drop-off

Processing

Education & Outreach

Policies

Reduce, Reuse, Repair

1. **Promote food waste prevention**
2. **Support food donation, dependent on implementation of County Food System Initiative, which may include:**
 - Develop Food Donation Plan
 - Promote and support food donation activities through education and outreach to businesses
 - Establish grant funding program
 - Encourage farm and garden donation programs through gleaners
3. **Continue to support San Diego Repair and Reuse Network** with focus on education for repair and reuse options and provision of Fix-It Clinics



Too Good to Waste!

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

Collection | Single-Family

1. **Establish consistent requirements for all haulers**
 - Pay-as-you-throw rate structure
 - 3-container system in densely-populated areas
 - Minimum 64 gallon capacity for recycling and organics
 - Exceptions for space constraints, disabled customers, on-site composting, hardscapes, xeriscaping
 - Rate discounts for at-home composting
 - Collection of food scraps with yard trimmings*
 - Bulky item and reuse collection in densely-populated areas
2. **Provide regular education** on recycling requirements
3. **Support horse/animal manure collection and diversion**
4. Evaluate less frequent solid waste collection (Mid-Term)



* Add food scraps collection when processing capacity is available.

Collection | Multi-Family and Commercial

1. Implement commercial food scraps collection*
2. Establish minimum recycling service level requirements
3. Expand technical assistance for multi-family, schools, and businesses
4. Provide regular education on State/County recycling and organics requirements
5. Support horse/animal manure collection and diversion
6. Consider more convenient organics collection service (Mid-Term)

* Add food scraps collection to support business compliance with AB 1826 when processing capacity is available.



Drop-Off Services

1. **Household Hazardous Waste (HHW)**
 - Collaborate with industry to establish a new HHW drop-off location in North County area
 - Provide additional HHW mobile drop-off events
2. **Hauler-provided drop-off facilities**
 - Require Full-Service haulers provide drop-off for recyclables, used oil and filters, cell phones, batteries, etc. for their customers
3. **Agricultural plastics**
 - Continue periodic drop-off events with goal to create regularly scheduled events



Processing Services

1. **Enhance Zoning Ordinance**
 - Consider amendments to facilitate on-site community, commercial, and farm composting projects and large-scale facility development
2. **Large-scale facility(ies)**
 - Support development or expansion of composting and/or anaerobic digestion facilities
 - Require haulers to provide collection and processing services
 - Evaluate need to conduct RFP process for organics processing capacity (Mid-Term)
3. **Community/commercial/farm composting**
 - Support through zoning/ permitting changes
4. **Horse/Animal Manure**
 - Support manure collection and diversion
5. **Mixed Materials**
 - Consider mixed materials processing (Mid-Term)



Education and Outreach

1. **Expand technical assistance** program for multi-family, businesses, and schools
2. Provide **regular education to community members** on existing State and County recycling and organics diversion requirements, including individual multi-family units
3. Expand County's **social marketing/behavior change program** to motivate people to reduce, reuse, recycle, and compost
4. Support efforts for **reuse of textiles and State Extended Producer Responsibility (EPR)** for mattresses and carpet/padding
5. **Promote food waste prevention**



Education and Outreach (cont.)

6. Continue to support and expand **regional campaign efforts** and on-line resources for reuse, repair, recycling, HHW
7. Support **sustainable landscaping programs** to integrate trainings on best practices for reducing green waste and on-site composting
8. **Create education program and engage and train others** to educate the community
9. **Develop zero waste neighborhood leader program** to promote best practices



Policies : Near Term 2017-2020

1. **Adopt High Diversion/Zero Waste Targets and Strategic Plan**
2. **Improve Diversion, Tracking and Oversight of Haulers**
 - Establish tiered-hauler system for full-service haulers (cart and dumpster service), roll-off haulers, and C&D haulers
 - Establish additional service requirements
 - Enhance performance standards, including minimum diversion goals
3. **Enhance Construction and Demolition (C&D) Diversion**
 - Lower project threshold on C&D Ordinance to 5,000 SF
 - Minimum diversion requirements for C&D tiered-hauler system



Policies : Mid-Term 2021-2030*

4. Evaluate **non-exclusive system achievement of diversion targets**
 - If needed, other options could be evaluated, including:
 - Restructure franchise system
 - Support organics processing facility development through an RFP process
 - Reserve right to redirect organics to facility designated by County
 - Eliminate auto-renewal of the 10-year term on hauler agreements
5. Evaluate **universal collection ordinance**
6. Evaluate **enforcement of State/County diversion requirements**
7. Consider **landfill bans** on selected materials
8. Evaluate **producer responsibility ordinances**
9. Consider **product or packaging bans**



* Programs will be implemented, if warranted.

Unincorporated Area Recommendations



Questions?

Timeline for Unincorporated Area Recommendations



Near-Term 2017 – 2018 : Recommendations

Program/Policy	Estimated tons/year
Enhance zoning ordinance to support organics processing (a)	---
Support organics processing facility development (a)	---
Implement commercial food scraps collection (b)	34,000
Regulate C&D haulers with minimum diversion requirements	29,500
Enhance single-family collection with consistent hauler requirements	24,700
Enhance commercial collection with minimum recycling level requirements	21,000
Enhance C&D diversion with ordinance amendment to lower project threshold	10,300
Support on-site community/commercial/farm composting	7,500
Collect food waste from single-family premises (b)	4,200
Enhance hauler performance standards, including minimum diversion goals	3,900
Improve diversion, tracking and oversight of haulers	2,600
Establish additional hauler-provided drop-off facilities	1,500
Provide additional HHW mobile drop-off events	---
Total	139,200

(a) Diversion not listed because the organics diversion is included in other programs.

(b) Dependent on availability of organics processing facilities; implement as soon as possible.

Near-Term 2017-2018 : Focus Areas



Organics

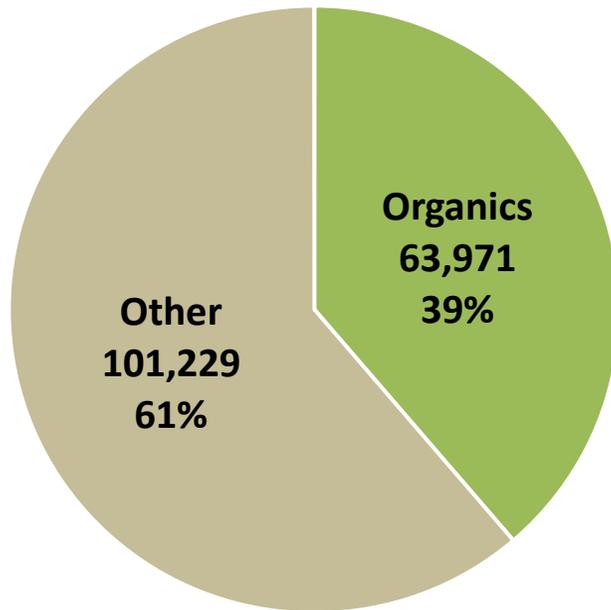


Hauling services
and contracts



C&D

Near-Term 2017-2018 : Organics

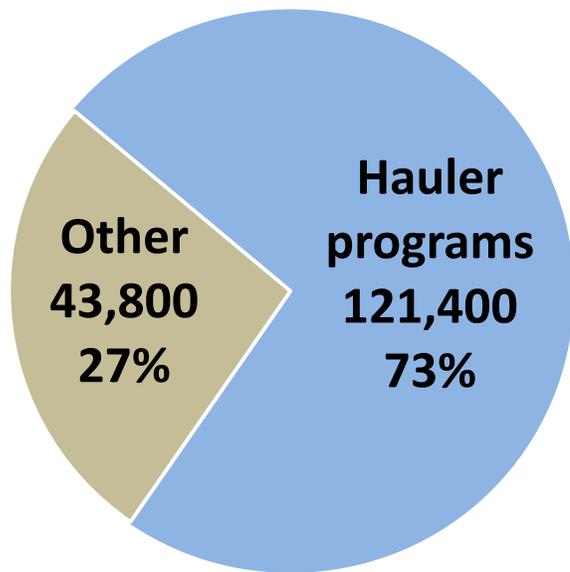


75% target = 164,000 tons/year

Yard Trimmings as
Landfill Cover 37,000

- Enhance zoning ordinance to support organics processing
- Support development of large-scale facilities
- Support on-site community/commercial/farm composting projects
- Implement commercial food scraps collection
- Implement single-family food scraps collection
- Redirect yard trimmings to processing rather than use as landfill alternative daily cover

Near-Term 2017-2018 : Hauling Services and Contracts

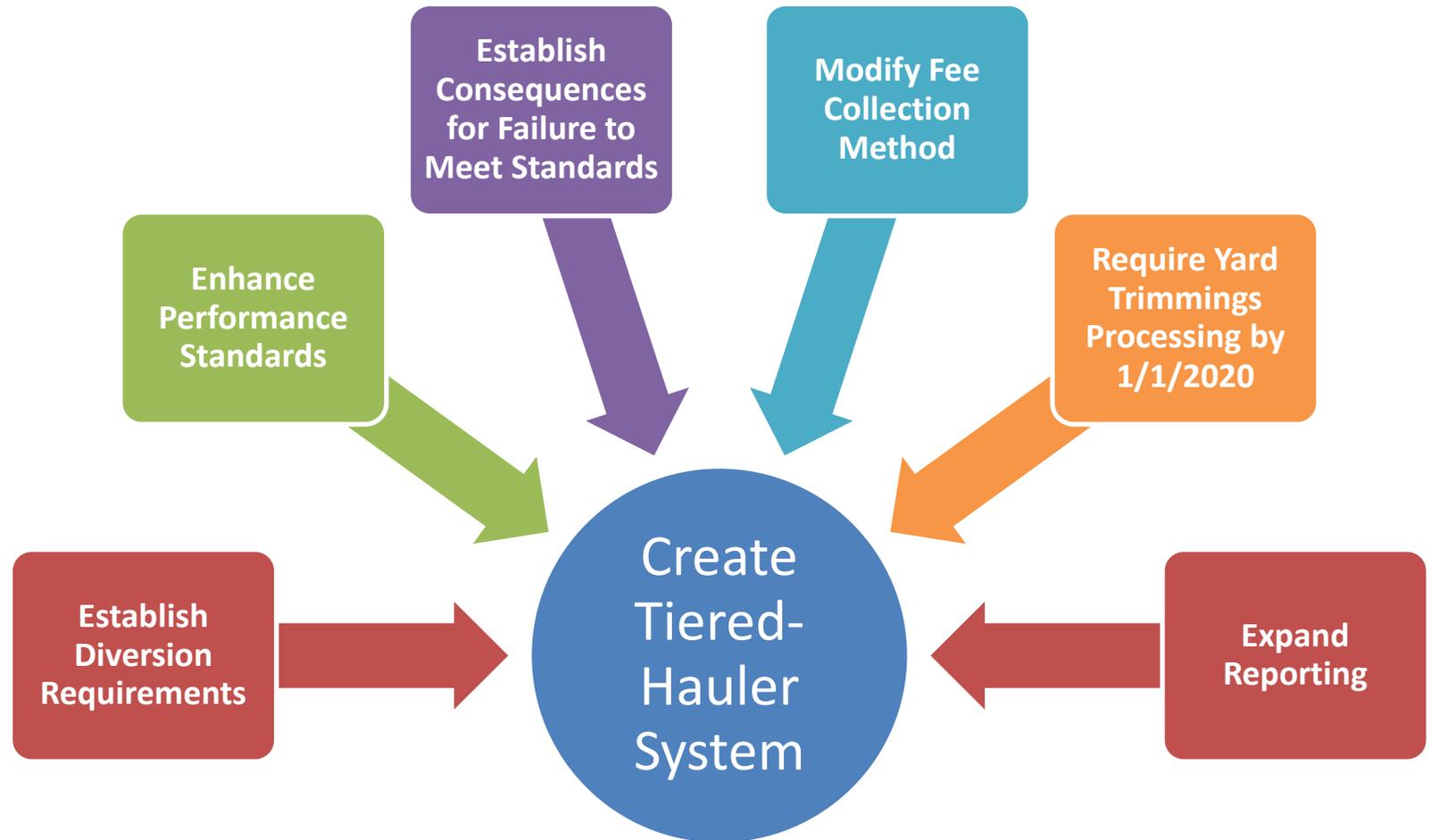


75% target = 164,000 tons/year

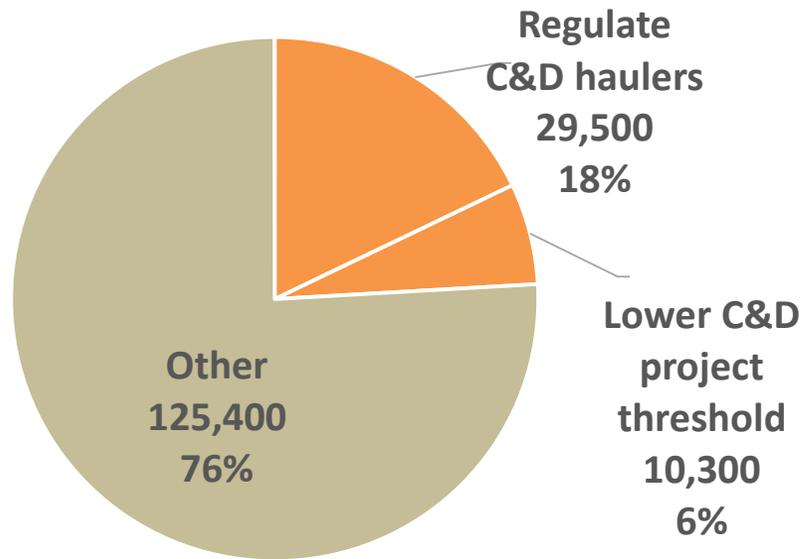
Program/Policy	Estimated Tons/Year
Single-family collection with consistent hauler requirements	24,700
Single-family food scraps collection	4,200
Commercial collection with minimum recycling level requirements	21,000
Commercial food scraps collection	34,000
Regulate C&D haulers with minimum diversion requirements	29,500
Enhance performance standards, incl. minimum diversion goals	3,900
Improve diversion, tracking and oversight of haulers	2,600
Establish additional hauler-provided drop-off facilities	1,500
Total	121,400

Note: Hauler program tonnage includes organics and C&D

Near-Term 2017-2018 : Hauling Services and Contracts



Near-Term 2017-2018 : C&D Recycling



75% target = 164,000 tons/year

Regulate C&D Haulers

- Haulers become part of tiered-hauler system
- Establish minimum C&D diversion requirements

Amend C&D Recycling Ordinance

- Lower C&D deposit ordinance project threshold to 5,000 SF

Near-Term 2019-2020 : Priority Programs

Program/Policy	Estimated tons/year
Expand social/behavior change marketing program	9,200
Expand technical assistance for multi-family, businesses, schools	6,000
Support efforts for reuse of textiles and State Extended Producer Responsibility (EPR) for mattresses and carpet/padding	5,300
Promote food waste prevention	2,500
Support food donation through County Food System Initiative (a)	1,600
Provide regular education on County and State recycling requirements	1,400
Collaborate with industry to establish HHW facility in North Co area	---
Total	26,000

(a) Food donation diversion is dependent on implementation of the County's Food System Initiative. Staffing and costs will be covered by the Initiative, and are not in the High Diversion/Zero Waste Strategic Plan.

Near-Term 2017-2020 : Supplemental Programs*

- Support horse/animal manure collection and diversion
- Continue periodic drop-off events for agricultural plastics with goal to create regularly scheduled events
- Promote drop-off sites for materials covered by State product stewardship legislation/regulation (e.g., paint, mattresses, other)
- Continue to support and expand regional campaign efforts and on-line resources for reuse, repair, recycling, HHW
- Support sustainable landscaping programs to integrate trainings on best practices for reducing green waste and on-site composting

* A cost and diversion analysis was not conducted for these programs.

Mid-Term 2021 - 2030

Policies*

- Evaluation of achievement of franchise system diversion targets; and, if warranted, evaluation of other options including restructuring franchise system and supporting organics facility development through RFP process
- Evaluation of universal collection ordinance, and adoption if warranted
- Enforcement of County and State mandatory diversion requirements
- Amendment of C&D ordinance to increase diversion
- Landfill bans on selected materials
- Producer responsibility ordinances
- Product or packaging bans

Collection and Processing*

- Expanded hauler diversion requirements
- More convenient organics collection service
- Mixed materials processing

* Programs/policies to be evaluated prior to or at commencement of Mid-Term Phase and implemented, if warranted.

Long-Term 2031 - 2040

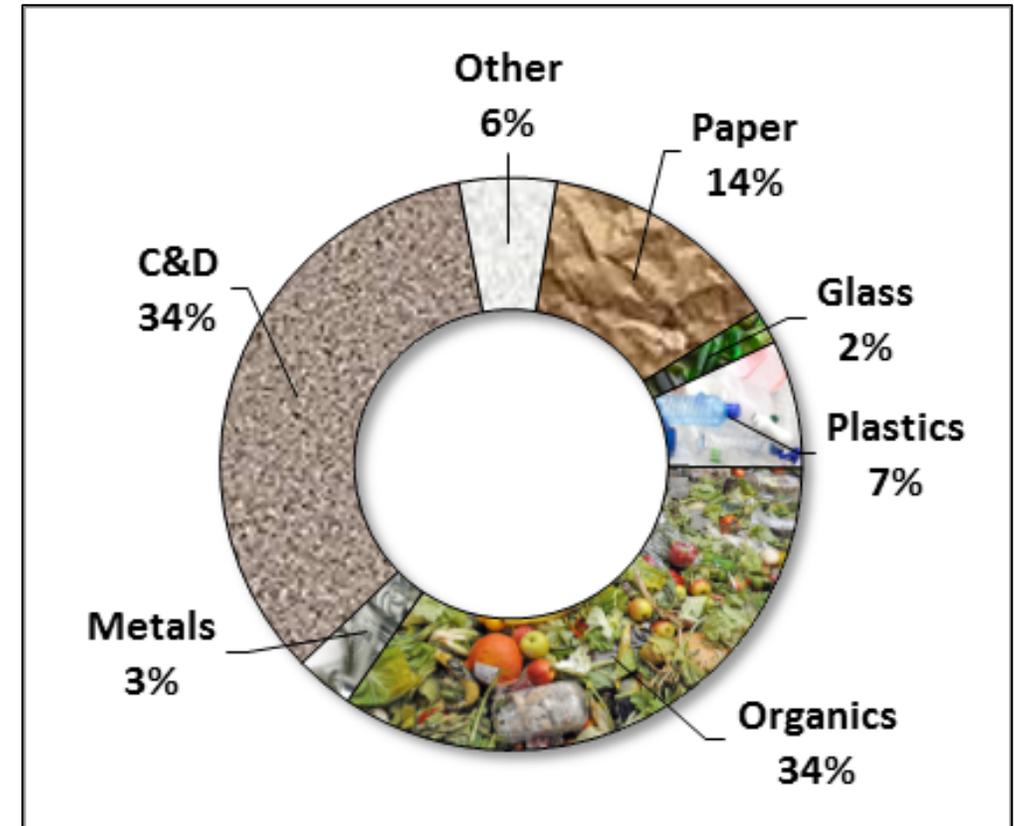
May achieve “Zero Waste” by 2031

Difficult to predict options

- Technological, legislative, economic, political, global marketplace, and cultural changes

Program and policy recommendations not provided

Assess conditions at end of Mid-Term and identify how to reach “Zero Waste”



Strategic Plan Timeline



Questions?

Current Funding Method

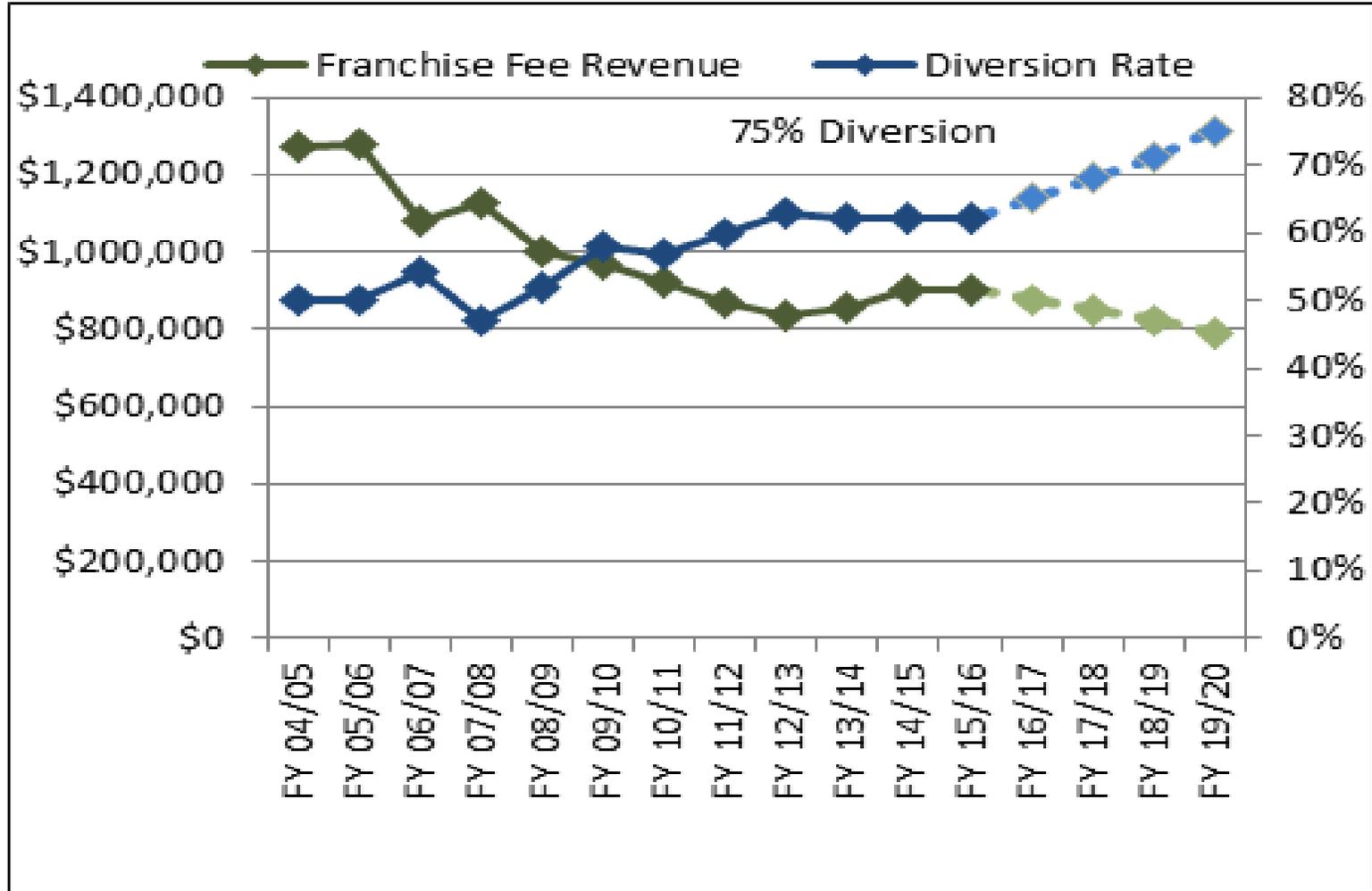
\$2.35 per ton
franchise fee

- On solid waste landfilled by haulers
- Recycling programs
- HHW programs

Challenges

- No change in fees since 1997
- Significant declines in solid waste since 2006
- Does not support current program costs

Current Funding Scenario



Funding Strategy Options

Funding Method	Estimated Amount
C&D Permit Fees	\$750 - \$3,000 per permit
SWMA Hauler Administration Fees	\$8,000 - \$12,000 per year per hauler
HHW Fees	\$5.40 per year per occupied dwelling unit
SWMA Franchise Fees	4.3% of hauler's gross rate receipts or \$6.40 per gross tons collected
SWMA Franchise Fees + Hauler Administration + HHW	5.7% of hauler's gross rate receipts or \$8.50 per gross tons collected

Estimated Customer Rate Impact*

Overall	9.2% to 11.5% increase
Residential	\$1.90 to \$6.00 per month increase
Commercial	Varies significantly

* Actual rate impacts will vary depending on the amount of customers' current rates and the manner in which haulers adjust rates for future programs and policies.

Funding Strategy



Questions?



Internal Operations 2017-2018

- Establish measurement / reporting process / baseline
- High Diversion/Zero Waste policy (after baseline)
- Increase reuse of surplus property
- Establish Environmentally Preferable Purchasing Policy to select more environmentally-friendly products/services
- Enhance diversion through new requirements in County collection contract, new facility leases, and lease renewals
- Educate employees and janitorial staff on best practices
- Divert additional food waste and yard trimmings





Internal Operations 2017-2018

- Support waste reduction and recycling by departments through technical assistance*
- Support food waste reduction and food donation at County operations*
- Prioritize use of recycled materials in road construction
- Require recycling and composting for County-sponsored events
- Increase use of locally-produced mulch/compost at County facilities
- Partner with Sheriff's Inmate Re-entry Services to consider training program on repair



* Implementation for leased facilities may be delayed until lease renewal or amendment.



Internal Operations



Questions?

Thank You – Please Stay Involved

Email comments by December 5

- Recycle@sdcounty.ca.gov Subject line: Comments on Strategic Plan

Attend Future Meeting

- Board of Supervisors Early 2017

Learn More

- www.sandiegocounty.gov/dpw/recycling/plan/

Contact the County

- Recycle@sdcounty.ca.gov or (858) 694-2456

Gallery Walk – Informal Discussion

