

Alameda County, through StopWaste.org, has set new goals for diverting waste from landfills. Under this initiative, by 2020, less than 10% of all materials going into landfills should be readily recyclable or compostable.

In 2008, StopWaste.org did a comprehensive study of the trash for every community in the County. The results indicated that 17.5% of Albany's trash could be diverted through traditional recycling programs (6.9% Cardboard & Paper; 4.3% Plastics; 1.7% Recyclable Glass; 4.6% Metal Containers). A further 43% of Albany's trash can be diverted through the Organics system (25.5% Food; 15.5% Compostable paper; 1.9% Leaves & Grass).

Waste Management of Alameda County is expanding its infrastructure to increase diversion from landfills for communities throughout Alameda County, including Albany.

Over the next 6 years, look for large-scale, new infrastructure and programs focused on diverting more and maintaining these valuable resources for our communities.

**Phase 1.** Improve glass recovery system in the current single stream processing facility (*Improved quality of recycling for Albany's ~350 tons per year of glass*)

**Phase 2.** Increase diversion from the self-haul customers with a new processing facility in the public drop off area (*Albany's new recovery from this process: ~120 tons per year*)

**Phase 3.** Improve the garden center for ease of use by the public (*Increased customer service for the residents & schools of Albany*)

**Phase 4.** Improved Greenwaste tipping floor which improves the management of curbside green + food in an environmentally-responsible way (*Improved management of Albany's 2,000 tons of curbside organic materials*)

**Phase 5.** New organics sorting system, designed to process organics-rich loads and recover both recyclables as well as food & food-soiled paper, while creating 30 more jobs (*Will directly impact the nearly 1,500 tons per year of recoverable materials in Albany's trash*)

**Phase 6.** Improved single stream sorting system, increasing processing to 80 tons per hour, creating 10 more jobs (*increasing capacity for residential and commercial recycling, focusing on the nearly 600 tons per year of recyclables from Albany*)

**Phase 7.** Improved Construction & Demolition/Dry sorting system, improved processing for 100% of all the trash brought to Davis Street increasing headcount by 10 sorters (*Reducing Albany's trash by nearly 800 tons per year*)

**Phase 8.** Anaerobic digestion and composting process to convert recovered organics first to energy then generate high-quality compost (*Keeping rates in check, despite rising energy prices, by taking WM Facilities off the grid with 100% renewable energy*)

We will also increase processing of organics through the WM EarthCare suite of products.

WM EarthCare provides closed-loop solutions for organic farmers, landscapers and gardeners with 100% recycled mulch and compost. We recover wood from construction & demolition projects in at the Davis Street Construction & Demolition Materials Recovery Facility and turn it into mulch. Compost from Albany residents' curbside green + food collection is turned into compost and other soil amendments at our composting facility in Novato.

These projects represent over \$50 million in capital, committed to Alameda County residents and businesses to improve our communities and decrease the amount of materials going into landfills. We will work in partnership with you, our customers, to provide you with the highest quality, safest and most environmentally friendly services available today.

# Davis Street Facts

- 53 Acres of Closed landfill
- ~3,500 tons/day inbound
- Supports a variety of hauling district contracts
- Material Sources: Alameda & Contra Costa Counties
- WM-owned facility
- 286 employees; Longshoremens, Teamsters & Machinists
- 3 MRFs: Dry/C&D, Single Stream & Public “MSW”

# Davis Street (2011)



**Organics  
(Resi & Com)**

**Wood Processing  
(Mulch & Biomass)**

**Dry MRF  
(C&D, Dry & “MSW”)**

**Public Area MRF  
(Self Haul “MSW”)**

**Transfer Pit (Resi & Com  
“MSW” + Residue)**

**Single Stream MRF  
(Resi & Com)**

# Davis Street

## How we Manage Inbound/Outbound Materials

<b>Material</b>	<b>Tons/Day</b>	<b>Diversion %</b>	<b>Residue</b>
C&D/Dry	400	50%	200
Single Stream	400	90%	40
Curbside Organics	500	100%	0
Commercial Organics	60	30%	42
Curbside MSW	1800	0%	1800
Self Haul "MSW"	180	45%	99
<b>Total</b>	<b>3340</b>		<b>2181</b>

**35% Diversion**

# Influences: Legislative & Economic

- Diversion Goals
  - Cities & Alameda County
- Construction & Demolition recycling mandates
- Commercial Recycling mandates (CA & Alameda County)
- Organics-focus on foodscraps & food-soiled paper
- Waste Characterization Study data
  - ~\$70mil worth of commodities buried from Alameda County Cities each year

# Davis Street Master Plan

Reuse  
Collection Area

Upgrade Dry  
/C&D MRF

Upgrade Public  
Area MRF

Earth Care  
Garden Center

CNG fueling  
station

Upgrade Single  
Stream MRF



Landfill Gas to  
Energy

Organics Transfer  
(under  
construction now)

Mixed  
Materials MRF

Source Separated  
Organics  
processing

Anaerobic  
Composting &  
Curing System

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Curbside Organics	500	100%	0
Commercial Organics	150	90%	15
Curbside MSW	1110	75%	277
Self Haul "MSW"	180	55%	81
<b>Total</b>	<b>3340</b>		<b>688</b>

**79% Diversion**



## Summary

The Master Plan allows DSTS & WM to

- Divert more material
- Create more jobs
- Capture more of that \$70mil
- Take DSTS off the PG&E grid

## Summary

What we need to make this successful

- Agreements that incentivize diversion
- Your input & advice
- Please come visit
  - [rjewell@wm.com](mailto:rjewell@wm.com)
  - 510-563-4214

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