City of Santa Monica’s
RESOURCE RECOVERY & RECYCLING DIVISION
City staff collect waste, recycling and green waste as little as one time per week and up to seven days per week for 16,472 accounts.
Our little ambassador truck is currently operational in the tightest alleys.

Prior to the implementation of the little truck, staff would roll-out onto the street approximately 150 containers per route. Staff time for this process is approximately 3 hours.
Ambassador Truck

22nd Street to 28th Street between Wilshire & Montana

North of San Vicente to The City Limits from 28th Street to 9th Street
The Future of Collections

- Routing Software is devising more effective routing
- Currently piloting new routes for collections
- Tablets on Trucks for tracking and efficiencies
- Reduced residential side loader trash routes from 7 to 6 on Mon & Thurs and 7 to 5 Tuesday, Wednesday and Friday.

* Trash routes and days of collection may change for some residences after Labor Day. You will be notified in advance of the change.
Some of you may have seen this tag placed on your container.

Santa Monica’s Municipal Code 5.08.170 states that containers must be at the curb or alley no earlier than 4:00 pm the day prior to collection and no later than 8:00 pm on collections day. Containers must be returned onto private property until the next collection day.

You can apply for a variance demonstrating necessity to keep container on city property after collections.

Please submit a formal written request to:

Kim Braun
Resource Recovery & Recycling Manager,
2500 Michigan Ave.,
Santa Monica, CA 90404.
Once the trash is collected, city staff tip the trash at the City of Santa Monica’s Transfer Station.

Trash is then pushed into large semi transfer trailers and hauled to various landfills.
Landfills and WTE Tonnages 2010

- Puente Hills = 37,652
- Sunshine Canyon = 1,119
- Chiquita Canyon = 446
- SERRF = 24,618
- Commerce = 11,453

Landfills and WTE Facilities
Curbside Recycling – The Blue Cart

- Over 11,000 tons collected annually
- Revenue received $400,000

- Paper & Cardboard
  - Clean, dry only

- Plastics

- Glass Bottles & Jars
  - soda, wine, beer, spaghetti sauce, pickle jars, bottles, etc.

- Aluminum, Tin, Steel, and other Metals
  - soda, juice, soup, vegetables, and pet food cans; pie tins; clean aluminum foils; and wire hangers
1. City staff deliver materials collected from the blue container and the bins marked recycling to the City’s recycling center operated by Allan Company.
2. Materials are dumped and pushed onto a conveyor belt.
3. Materials are hand sorted into bins, compacted and baled.
4. Materials are hauled off to various locations for re-processing.
Recycling Centers

- In addition to accepting the City’s materials collected at the curb, the Recycling Center will also buy-back materials.
- Drop-off site for materials

**Allan Company**

2411 Delaware Avenue  
Santa Monica, CA 90404  
310.453.9677  
Mon.-Fri., 8 a.m.-5 p.m.,  
Sat., 8 a.m. - 2 p.m.

- Cans/Plastic/Glass can also be returned to the Tomra Corporation at Albertsons.

**Tomra Corporation**

2627 Lincoln Blvd  
Santa Monica, CA 90404  
Tue.-Fri., 10 a.m.-4 p.m.,  
Sat., 8:30 a.m. - 5 p.m.
Recycling Program Growth

Current Program
- 95 and 300 gallon containers
- 3 yard bins (Currently Santa Monica Teal and stickered for REC)

Future Possibilities
- Color coded bins to match residential containers
- Instructions on the bins
- Decrease contamination via education
- Mandatory Recycling Ordinance (state mandate effective 2012)
- Reverse Vending Machines
- Catalog Choice
Reverse Vending Machines

- A device that accepts empty beverage containers and returns vouchers to the user (the reverse of the typical vending cycle).
  
- Materials accepted: plastic, glass, and/or aluminum
  
- Once a customer deposits a used container, the machine reads the container’s barcode to determine the material type and then sorts it before crushing, compressing or shredding it.
Recycling Kiosks

- Intelligent machines with interactive touch screens and videos
  - Bottles and cans are scanned and deposited for reward points
  - Prints receipts and coupons
  - Requires electrical and internet connections
Scavenging

- City has developed a hotline.
- City works with police with details of activity
- Property owners may request a lock for bins only

55 calls since hotline established in May 2010

55 calls since hotline established in May 2010

Removing recyclables from City containers seems innocent but... it is a violation of the municipal code

Report Scavenging
310-458-4932
www.smgov.net/recycling

Resource Recovery & Recycling Division
State Mandated commercial recycling for all businesses generating 4 cubic yards of trash per week
Currently conducting a commercial recycling survey of the businesses in Santa Monica
50% of surveyed businesses do not have a recycling program
SM staff has surveyed 769 businesses with 189 remaining that have 4 cubic yards or more of service per week

City Council ordinance mandating recycling for businesses in Santa Monica?
City to provide recycling services. This may increase collection routes
City to monitor compliance
Over 6 million visitors to SM yearly

Easy access to recycling is essential.

- 400 litter containers Citywide
- City is piloting a new container type in FY 11/12
- Future Planning: addition of a recycling container at each public litter container
- Recently 12 recycling containers added to Main Street
- 18 recycling containers delivered to the Pier
- Partnering with the BBB to collect an additional 200 combined trash/recycling containers at local Bus Stops and Shelters
- Big Belly containers will be placed citywide FY12/13. The Big Belly is more efficient reducing the number of litter cans.
### Current Program

- Accepted at Transfer Station
- Free to residents; Fee based for businesses
- Free Drop Off Events 2x a year
- Contract with Alianza Recycling to Process Material

53 tons annually

### Potential Future Expansion

- Curbside Collection
- Special Drop Off Locations
# More Recycling

## Carpet Recycling
- 1st ever carpet recycling event was in Feb 2011
- Providing containers for carpet recycling only at the City Transfer Station. Free to residents and businesses in the City of Santa Monica.
- Special collections available by request

## White Goods, Scrap Metals, Tires
- **Tires** – 16 tons
- Received grant funds through Cal Recycles for tire derived products to create a rubberized walkway to the water, rubberized wall panels for enclosures and rubberized ramps for easier bin pushing to/from the collection vehicles.
- **White goods** – 6 tons
- **Scrap Metal** – 154 tons
Managing and reducing this unique waste stream at the source is good for the environment and saves collection and tipping fees.

Measureable results to show progress towards our zero waste goal.

Ad Mail: 100 billions pieces/ 11 billion pounds delivered in the U.S. in 2008.

Phone Books: 660,000 tons enter the waste stream annually. Only 20% are recycled.
Construction & Demolition

- Municipal Code 8.108.130 outlines the required submission of a waste management plan for C&D projects exceeding 1,000 sq. ft. or a value of $50,000 and the recycling of 65% of project materials.
- All contractors must deliver material to an approved processor to receive the recycling credit.
- Annual audits of approved processors are conducted to determine their rate of diversion.

Goal: Increase Calculated % of Diverted Material
C&D Recycling

10,000 tons of construction and demolition material diverted annually
Building Plan Review

All new building plans are now reviewed by R3 staff and are required to include:

- Trash and Recycling Enclosures or Dedicated Space
- Future Plans: Potential to include Food Scraps/Yard Clippings at Multifamily locations
The green cart and beyond

COMPOSTING EFFORTS
YARD CLIPPINGS

- 6600 tons collected annually
- City spends $800,000 per year on collection & processing of this material
- Material is composted and returned to the residents on a quarterly basis at free give-a-ways

20 tons annually
GREENER GREEN CARTS

Coming to your neighborhood in CY 2012

Container Tags
Subsidized Composting & Vermicomposting Containers

- Over 100 home composting containers sold to residents at a subsidized rate annually
- An additional 120 worm composters are sold annually

From your kitchen to your composter! Available for purchase.

Backyard Composting

Worm Composting

Food Scrap Pails
Commercial Food Scraps Collection

- No additional charge for food waste containers and service
- Current rate study to examine program cost

Over 1,100 tons of food collected annually

Potential to collect over 7,000 tons annually
FOGS Collection

Fats, Oils & Grease

- Containers placed in Downtown Parking Structures for Restaurant Usage
- 3,275 gallons of used cooking oil collected in 10 months by our processor for conversion into biofuels
- No cost to City for collection

Full Circle Processing

- Potential return of processed oil back to the City for use in clean fuel vehicles
- Program expansion to Ocean Park, Pico and Main Street Restaurants

**AVERAGE of 327 gallons per month**
Special Event Recycling & Composting

- R3 staff now coordinates with Community and Cultural Services to ensure all events have a recycling plan prior to being issued a permit.
- Event reports must include documentation of the material recycled via City services or those of a permitted private hauler.

Over 125 tons of material recycled annually at events like the Los Angeles Marathon, GLOW, and the S.M. Festival.
Street Sweeping

1,434 tons collected

- Cleans unnecessary pollutants from streets and prevents them from washing into our waterways.
- Reduced the need for storm waste treatment by cleaning pollutants before they become water soluble.
- Prevents the need for environmental clean up in surrounding bodies of water.
- Future program planning will allow for further enforcement of parking rules making access to streets easier for the sweepers.
- All debris collected by the street sweepers is composted.
Pressure Washing Services

- The City provides pressure washing services for a fee.

- Current areas serviced include Main Street, Whole Foods, Main Library and OPCC.

- Clean your Can - New program beginning FY 11-12; City staff will come out on-site of collection day or by appointment to pressure wash your containers. There is a fee for this service.

- Odor Free Trash Enclosures - New program beginning FY 11-12; City staff will come out on-site by appointment to pressure wash your trash enclosures or bin rooms. There is a fee for this service.
ADDRESSING ILLEGAL DUMPING

Clean alleys and streets
Rent-A-Bin

Residential and commercial program allowing the temporary rental of containers for special clean ups and projects.

- Designed to combat & avoid illegal dumping
- Offers method to control overflow of materials in the alleys
- Material collected can be sorted at the Transfer Station and recycled.
1. City currently operates Tuesday, Thursday and Saturday
2. Police Department Assists one day per week for collection
3. Beginning July 1, 2011, city crew and Chrysalis crew
   Monday – Saturday
4. Materials collected include large appliances, mattresses, furniture, etc.

Alley Clean Up

2,127 collections January – June 7, 2011
OUTREACH & EDUCATION

- Monthly Events
- Green Workshops
- Local school visits and tours
- Neighborhood Council Visits
**EVENT SCHEDULE PLANNER**

R³ EVENTS

MYESHA JONES / WES THOMPSON

Our goal is to provide residents with one event per month highlighting Santa Monica programs and re-enforcing the idea of Zero Waste. As the year progresses, more opportunities will undoubtedly arise, but a general framework will assist in preparing our budget for outreach. All dates are subject to change.

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>START DATE</th>
<th>END DATE</th>
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<tbody>
<tr>
<td>Compost Giveaway (2nd for FY)</td>
<td>1/22/2011</td>
<td>1/22/2011</td>
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<tr>
<td>Compost Workshop</td>
<td>4/30/2011</td>
<td>4/30/2011</td>
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<tr>
<td>Santa Monica Festival</td>
<td>5/7/2011</td>
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<td>Donation Event</td>
<td>10/1/2011</td>
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<tr>
<td>Christmas Tree Recycling</td>
<td>12/25/2011</td>
<td>1/31/2012</td>
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Monthly Environmental Events

June—Reuse Workshop

July—Paper Shredding

August—Compost Give-A-Way

September—Citywide Yard Sale

October—Donation Event

November—Holiday Workshop

December—Xmas Tree Recycling

One environmentally focused event per month. Free to Santa Monica Residents.
School Visits

Reuse Workshops
Recycling Cart Decorating Contests
Recycling Sculpture Contest

Vermicomposting Workshops
Event Truck Rentals

Available for birthday parties, community events, fundraisers, etc.

talkin’ttrash
Truck Rental: Events & Party Fun
The Future

- Anaerobic Digesters
- Conversion Technologies for residuals
- Extended Producer Responsibility
- Expansion of multifamily green, food and recycling programs
- Continue harmful material bans (styrofoam, single use plastic bags)

Partnering with local municipalities:
  - Combine efforts
  - Determine other markets for materials such as textiles, mattresses and furniture deconstruction
  - Share transfer cost to market
WASTE CHARACTERIZATION ANALYSIS

- Characterize materials that remain in the trash tipped at the transfer station
- Determine if markets are available to accept materials that are not being recycled at the curb or via other city sponsored programs
- Identify areas where outreach may improve recycling efforts
Strategic Plan

- Conduct a zero waste characterization study
- Strengthen recycling programs while identifying improvements for reuse, recycling and composting
- Establish effective waste prevention programs, incentives and determine financial impacts
- Evaluate alternative rate structures
Thank you for allowing us to serve you.
QUESTIONS?

Resource Recovery & Recycling Division

www.smgov.net/R3
310.458.2223