

City of Los Angeles recyclA & other Zero Waste Programs

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Vision & Goal for Los Angeles

Mayor Eric Garcetti, through the City of Los Angeles Sustainable City Plan (2015), and the City Council, through the RENEW LA Plan (2006), set a zero waste goal for the City by 2025.

The Solid Waste Integrated Resources Plan (SWIRP) is a stakeholder driven, long-range master plan that includes Policies, Programs and Facilities to achieve the City's goal of zero waste by 2025

How We Collect Waste in LA



recycLA

Specialized Waste Haulers

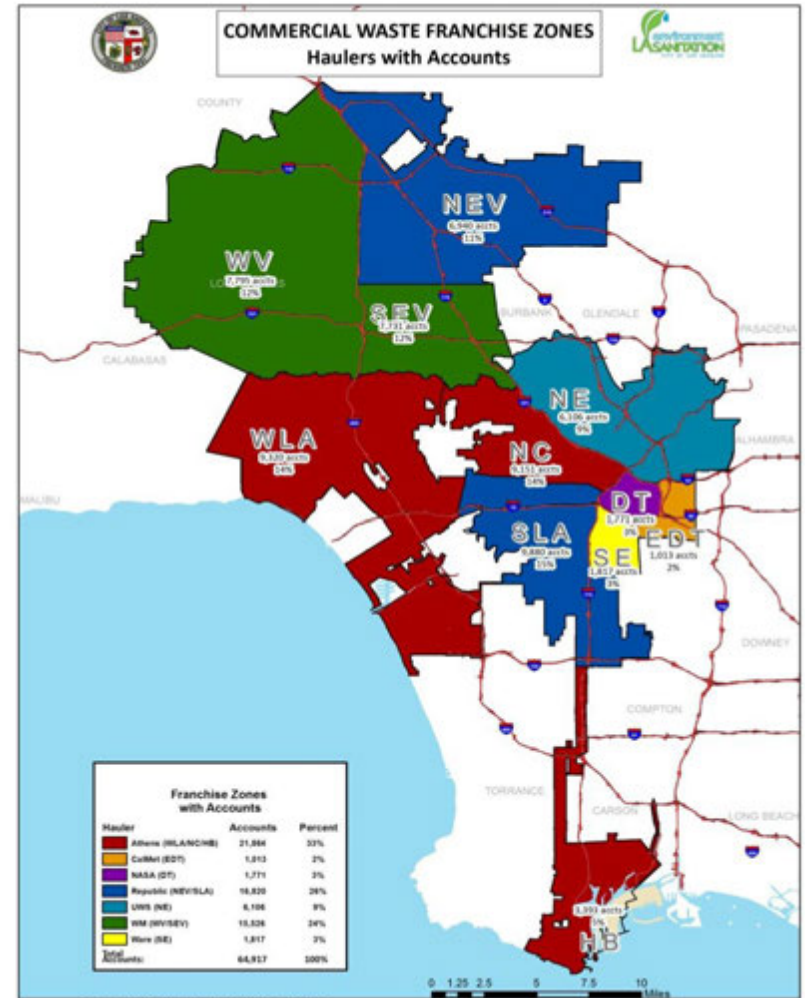
Single Family homes and
small multifamily
complexes

Medium & large
multifamily complexes,
condo buildings and
commercial businesses

Construction & Demolition

recycLA Service Providers (RSPs)

FSP	Zone
Athens	West LA, North Central, and Harbor
CalMet	East Downtown
NASA	Downtown
Republic	Northeast Valley and South LA
Universal Waste System (UWS)	Northeast
Ware	Southeast
Waste Management	West Valley & Southeast Valley



Adopted goals of recycLA

Recycling at 100% of Customer Sites	✓	Enforced Customer Service Standards	✓
Landfill Reduction 1 million tons per year	✓	Clean Fuel Vehicles	✓
Food Rescue Assistance and Support	✓	Standardized and Transparent Rates	✓
Organic Collection & Recycling Services	✓	Detailed Material Tracking	✓
\$200 million in New Recycling Infrastructure Investment	✓	24/7 Customer Support and Tracking of All Service Requests	✓
Recycling Assistance to Customers	✓	Field Staff for Education/Outreach	✓
Facility Inspection and Certification for Health and Safety	✓	Donation Assistance and Support	✓
Graffiti Removal and Annual Bin Cleaning	✓	Meet State Recycling Requirements	✓

recycLA Program Requirements

- **Customer Waste Assessments performed by RSP**
 - Purpose is to:
 - capture the materials generated
 - identify means of increasing waste diversion, and
 - set goals for future diversion practice
 - determines level of service provided to customer based on generator type and waste generated (i.e. volume and frequency of collection of solid waste, recyclables, and organics)

recycLA Program Requirements

- **Waste Characterizations**

- based on RSP collection routes by franchise zone and certified facilities as outlined in the “recycLA Service Providers and Certified Facilities Waste Composition Study Guidelines”

- **Waste characterization studies designed to assist LASAN in understanding**

- What materials are being collected
- What outreach is needed in a specific zone
- Landfill reduction rate achieved by each RSP on a biannual basis, per zone

recycLA Program Requirements

- **Dealing with Contamination**

- RSP Drivers perform routine monitoring and are trained to check the collection bins for contamination.
- Contaminated bins are tagged with a 1st and 2nd notice of non-conforming materials
- Contamination fee or notice of Non-Collection can be issued by RSP for 3rd instance within a 12 month period at a specific customer account.

recycLA Program Requirements

- **Monthly Reporting & Records Retention**

- Compliance with State and local laws
- Specific data and reporting requirements outlined in the contract for each of the 11 zones
- Reports include: Billing, Donation-Reuse-Food Rescue, Fleet, Outreach-Education, Stop-Service List, Telephony, Tonnage, and Waste Composition Studies
- Failure to submit required reports to the City on time may result in Liquidated Damages

- **Record Keeping and Reporting**

- Ensures RSP duties and responsibilities, per contract, are being met
- Customer complaints and inquiries are kept in the Customer Care Center database (MYLA311), serviced 24/7
- RSP data (i.e. service levels, monthly tonnage, waste characterization data) will be stored in an RSP specific database (Accela)

- **Records Audits upon request**

recycLA Outreach and Education

- **RSP is responsible for delivering outreach to customers, with City oversight and approval**
- **Multilingual outreach and educational materials to reach affected residents**
- **Each quarter, RSP to disseminate outreach material to customers both electronically and in print**
- **Outreach & education to be provided by RSP during biennial customer waste assessments**

recycLA Certified Facility Plan

Goals:

- Reduce impacts to public health and the environment (i.e. dust, odor, litter, noise)
- Help ensure healthy and safe working conditions
- Support the State requirements for mandatory recycling
- Assist the City in meeting its Zero Waste goals
- **Facilities shall meet requirements for biannual waste characterizations, process line efficiency verification, tonnage diversion reporting, and comply with the City Waste Composition Guidelines**

recycLA Partnership with Food Rescue NGOs

The CITY believes that the highest and best use for edible food is to feed people. recycLA Service Providers partner with appropriate local non-profit organizations (NGOs) for the redistribution of edible food “Before the Bin,” as part of a CITY directed food rescue program.

- 2018 Tons of Food Rescued = 1,600 tons or 3,200,000 lbs.
- 2017 Tons of Food Rescued = 955 tons or 1,910,000 lbs

RESIDENTIAL IN-SINK FOOD WASTE PILOT PROGRAM

- **Began in June 2017**
- **West LA Pilot area of 522 homes**
 - 210 households surveyed
 - 140 households signed up
 - 98 households requested new Insinkerator
- **Tasks**
 - Surveys & Events
 - Black-bin Waste Characterization
 - Wastewater sampling
 - CCTV
 - Bench Scale Biomethane Potential Tests
 - Wastewater Plant Modeling
- **Completion by December 2018**

RESIDENTIAL FOOD WASTE DIVERSION
PILOT PROGRAM

AN EASY AND GREEN SOLUTION TO FOOD WASTE

Tip to Help You Get The Most Out of Your Insinkerator Model PRO 1100XL®
Insinkerator Model PRO 1100XL® garbage disposal provides an easy and environmentally friendly alternative to sending food scraps to landfills. By using the garbage disposal, food waste can be processed at the water reclamation plant and converted into renewable energy.

1. HOW TO USE IT:

- Turn on cold water.
- Turn on your disposal.
- Slowly feed food scraps down the disposal, avoiding large pieces and large amounts of hot waste.
- Turn off your disposal flow (or wait for a few seconds).

2. WHAT TO PUT IN:

What's Allowed	What's NOT Allowed
Fruits & vegetables, including pits	Oil
Coffee/tea	Hot liquid
Bread & small buns	Grease & fat
Eggshells & coffee grounds	
Cooked whole animals	
Liquids & liquid food	

For information about the pilot program or to schedule plumbing related services or repair, please call 1-822-383-4314.

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RESIDENTIAL food scrap prevention and Collection Pilot Program

- Pilot to be offered to ~**20,000 homes** within all 15 Council Districts
- **Commingled food waste and green trimmings** in curbside collected green bin.
- Provide **small kitchen pail** and outreach material
- Conduct Surveys, **outreach, and Community Events**
- Conduct Black-bin and Green-bin **waste Characterization**



<http://www.ocregister.com/2016/01/22/recycling-food-scrap-into-energy-its-about-to-start-becoming-routine-in-orange-county/>

http://latimesblogs.latimes.com/home_blog/2011/11/recycling-food-waste.html

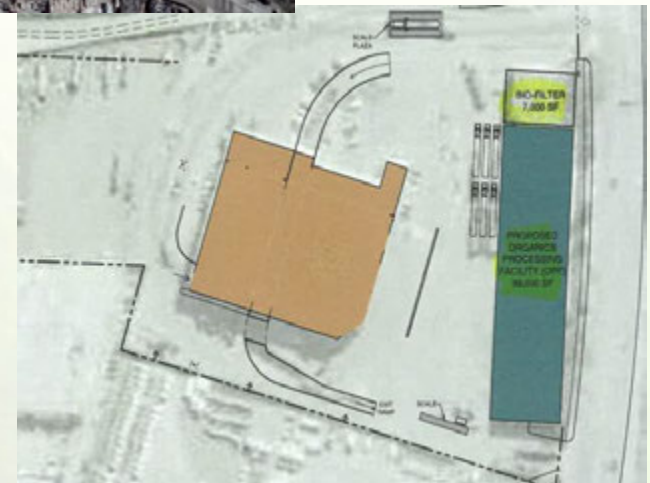
CR&R Anaerobic Digestion facility (Perris, CA)

- **Contract with CR&R for 124 tpd of green and food waste.**
- **Pre-processing unit, 4 digesters, 2 biogas upgrading units.**
 - Full capacity at 336,000 tons per year.
- **Biogas upgraded and transported by pipeline to So.Cal.Gas.**
 - 4 Million gallons per year expected
- **Markets for digestate being developed**
 - 260,000 tons of digestate expected
- **\$72.50 per ton**



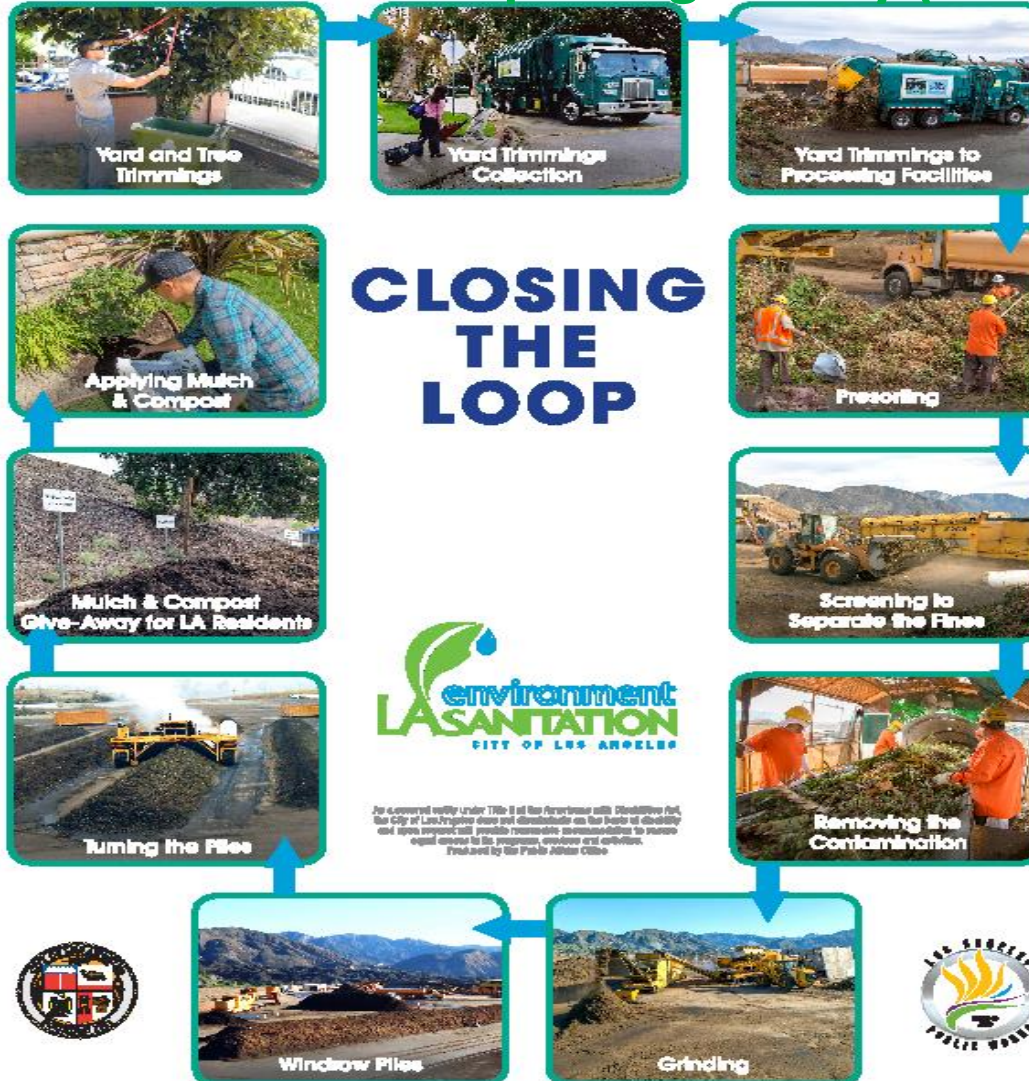
CLARTS Organics Processing Facility Project (OPF)

- Pre-process up to 300 tons per day of organic waste
- Produce an organic slurry
- Anaerobically digested at Hyperion Water Reclamation Plant
- Produce renewable energy through the use of advanced treatment technologies.



LA City owned Composting Facilities

- Lopez Canyon Environmental Center (300 tpd)
 - Harbor Composting Facility (200 tpd)
- Griffith Park Composting Facility (40 tpd)





THANK YOU!

www.recyclA.com

<https://www.lacitysan.org>



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