If you're not for Zero Waste... how much waste are you for?

Zero Waste Strategic Plan

- Background
- Team
- ScopeSchedule



Recent Relevant Work



CITY OF PALO ALTO

Zero Waste Plan August 2018

November 2022

Closing Montgomery County's Incinerator and

December 2022

Implementing Zero Waste

Key Team Members



Ruth Abbe Project Manager



Christienne de Tournay Assistant Project Manager



Portia Sinnott Materials Characterization Policy



Gary Liss Policy & Program Analysis



Kevin McCarthy Facility Integration



Garth Schultz Financial Analysis



Steven Sherman Operations Analysis

Scope of Services

- 1. Review and Summarize Current Policies and Programs
- 2. Materials Composition Study
- 3. Review of the Zero Waste Division Operations
- 4. Outreach and Stakeholder Engagement
- 5. Transfer Station Feasibility Study Integration
- 6. New or Revised Zero Waste Programs, Policies and/or Ordinances
- 7. Zero Waste Program Outreach and Education Program Recommendations
- 8. Zero Waste Division Staffing
- 9. Develop Financial Analysis Showing Implementation Costs
- 10. Draft and Final Zero Waste Strategic Plan

1. Review and Summarize Current Policies and Programs

- Current material flows and diversion rates for reuse, recycling, organics recovery, and landfilling
- A summary of the existing policies, programs, and infrastructure
- Roles and responsibilities of the State, StopWaste, City, City contractors, and private operators

Fact Sheet: Solid Waste Facilities - The System Infrastructure

COUNTING DOWN TO ZERO WASTE PLAN A Solid Waste Integrated Resources Plan (SWIRP) City of Los Angeles Department of Public Work:



urrently goes to landfills into clean energy and/or valuable rials. An understanding of the private and public solid waste infrastructure and services currently used within the City of Los Angeles (City) is essential for planning future nfrastructure development. The Gty consequently hired a onsultant ¹ to conduct interviews with transfer stations. landfills, and green waste processing facilities that accept wast within the City, as well as incorporate data from the lifornia Integrated Waste Management Board (CIWMB), the y's Bureau of Sanitation (BOS), and from earlie ncluding the City of Los Angeles Year 2000 AB939 Report (2001) and the City of Los Angeles Waste Characterization an antification Study Year 2000 (2002). The tonnages of the arious materials described in this fact sheet are based on year

In 2006, approximately 3.65 million tons of solid waste wa rated in the City. The quantities associated with the th earns are as follow

Waste Quantities from th City of Los Angeles, by Substream



esidences and up to four multi-family units. It typical ves at the solid waste facility in BOS operated co ted side loader trucks

disposal of solid waste generated in the City, we can classify the solid waste according to who generated the waste and who rought it to the disposal facility.² The three major sub-si amily and self-haul/othe Single-family residential is defined as solid waste collected y the Bureau of Sanitation (BOS) from single-family

Overview of the City's Solid Waste

In order to better understand the o

icles (e.g., auto

Generators

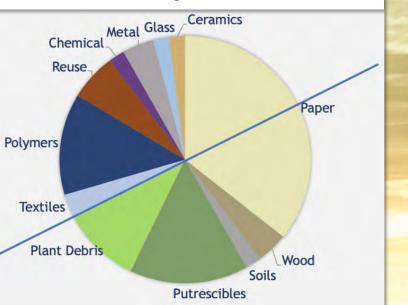
waste facilities by the resident or business that generated it This includes all waste other than that brought to the facility by the BOS or by commercial haulers whose primary bu s hauling waste

In 2006, approximately 3.65 million tons of solid waste was generated in the City.⁴ The quantities associated with the th streams are as follow

Sample fact sheet prepared by our team for the City of Los Angeles Zero Waste Plan

2. Materials Composition Study

- REFUSE
- RECYCLABLES
- ORGANICS
- CONSTRUCTION AND DEMOLITION
- SELF-HAUL
- BULKY GOODS
- LITTER CANS



12 Market Categories of Materials

Codified by Urban Ore and Richard Anthony Associates Note that 50% of discarded materials are compostable

Paired Sampling

Single Family, Multifamily & Commercial

- REFUSE
- RECYCLABLES
- ORGANICS



Truck Sampling Third Party/Self-haul

- REFUSE
- ORGANICS
- CONSTRUCTION
 - & DEMOLITION

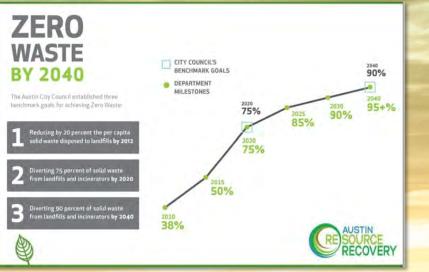
City Trucks

- ROLL-OFF
- BULKY GOODS
- LITTER CANS



3. Review of the Zero Waste Division Operations

- System analysis summary
- Service opportunities summary
- Refined list of the Zero Waste initiatives for further consideration by the community



Benchmark goals prepared by our team for the City of Austin Zero Waste Plan

4. Outreach and Stakeholder Engagement

- 20 Listening Sessions
- 3 Online Town Halls
- 3 Public Workshops to be held across the City
- 3 Interviews or Meetings with City staff (not directly involved in the project)
- 3 Meetings with the Zero Waste Commission
- City Council study session or 3 Interviews or Meetings with City Council staff





Public Workshops in Broomfield

Listening Sessions

- Contractors
- Large Generators
- Community-Based Organizations
- Neighborhood Organizations
- Others?



Berkeley Zero Waste Transfer Station - Stakeholder Listening Session

5. Transfer Station Feasibility Study Integration

- High-level project description and preliminary costs and schedule for implementation of the facility redevelopment
- Documentation of proposed changes to the conceptual design resulting from the Zero Waste planning process or environmental review milestones



6. New or Expanded Zero Waste Programs, Policies and/or Ordinances

- Completed Zero Waste Planning Checklist
- 20-30 Strategy Impact Analyses (2-3 pages each) for Zero Waste initiatives
- Presentation materials for community outreach



Management Plan

7. Zero Waste Program Outreach and Education Program Recommendations

 Current education, outreach and technical assistance program summary

 Strategy Impact Analyses (2-3 pages) summarizing recommend program enhancements, staffing levels and costs



Door-to-Door Outreach in Oakland

8. Zero Waste Division Staffing

- Description of Zero Waste Division current staffing levels, functions and responsibilities
- Summary of benchmark survey results documenting current staffing levels and costs for similar operations



Lid Flipping in Sunnyvale

9. Develop Financial Analysis Showing Implementation Costs Annual Costs/Savings

- Information request on current rate structure information and prior rate structure analysis
- Summary of Zero Waste Strategic Plan implementation costs
- Evaluation of rate impacts and rate structure recommendations



10. Draft and Final Zero Waste Strategic Plan

- Outline
- Table of Contents, Figures and Tables
- Executive Summary
- Draft Plan, Final Draft Plan
- Presentation Slides



Schedule

	Task	February		March		April		May		June		July		August		September		October		November		December		January	
	Project Management Meetings	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1	Review Current Policies & Programs																								
2	Materials Composition Study																								
3	Operations Review																								
4	Outreach & Stakeholder Engagement	Stake	nolderin	terview	s/Lister	ning sess	sions	*		*		*		*		*		*							
5	Facility Feasibility Study Integration												*		*										
6	Policy & Program Analysis																								
7	Education Program Recommendations																								
8	Staffing Analysis																								
9	Financial Analysis														*		*								
10	Draft Zero Waste Strategic Plan																		*	A	*				
11	Final Zero Waste Stratetic Plan																					A	*	A	*
	Meetings ★																								
	Deliverables 🔺																								