



Energy Commission

## **AGENDA**

### **REGULAR MEETING OF THE ENVIRONMENT AND CLIMATE COMMISSION**

**Wednesday, July 23, 2025, 6:00 PM**  
**North Berkeley Senior Center, 1901 Hearst Avenue**

#### **1. Call to Order and Roll Call:**

**Sarah Ranney**, *District 1*, Councilmember Kesarwani  
**Alison LaBonte** (Vice Chair), *District 2*, Councilmember Taplin  
**Brianna McGuire** (Chair), *District 3*, Councilmember Bartlett  
**Daniel Tahara**, *District 4*, Councilmember Tregub  
**Yasmin Mahmoudian**, *District 5*, Councilmember O'Keefe  
**Les Guliasi**, *District 6*, Councilmember Blackaby  
**Misha Kesselman**, *District 7*, Councilmember Lunaparra  
**Kera Binns**, *District 8*, Councilmember Humbert  
**Vacant**, *Mayor*, Mayor Ishii  
**Mabel Athansiou**, *Youth Commissioner*  
**Shanza Syed**, *Youth Commissioner*

#### **2. Land Acknowledgement**

The City of Berkeley recognizes that the community we live in was built on the territory of xučyun (Huchiuñ (Hooch-yoon)), the ancestral and unceded land of the Chochenyo (Cho-chen-yo)-speaking Ohlone (Oh-low-nee) people, the ancestors and descendants of the sovereign Verona Band of Alameda County. This land was and continues to be of great importance to all of the Ohlone Tribes and descendants of the Verona Band. As we begin our meeting tonight, we acknowledge and honor the original inhabitants of Berkeley, the documented 5,000-year history of a vibrant community at the West Berkeley Shellmound, and the Ohlone people who continue to reside in the East Bay. We recognize that Berkeley's residents have and continue to benefit from the use and occupation of this unceded stolen land since the City of Berkeley's incorporation in 1878. As stewards of the laws regulating the City of Berkeley, it is not only vital that we recognize the history of this land, but also recognize that the Ohlone people are present members of Berkeley and other East Bay communities today. The City of Berkeley will continue to build relationships with the Lisjan Tribe and to create meaningful actions that uphold the intention of this land acknowledgement.

3. **Public comment:** 3-minute limit per individual for items not on the agenda
4. **Approval of Minutes:** [Approval of Minutes from last meeting \(June 25, 2025\)](#)
5. **Agenda Check:** Commissioners may rearrange items on the agenda
6. **Update from Chair** (Brianna McGuire)
7. **Update from Staff** (Sarah Moore, Rebecca Milliken)

### **DISCUSSION & ACTION ITEMS**

8. **Discussion & Action:** Hear a [presentation](#) and provide input on the [Zero Waste Strategic Plan](#) (Ruth Abbe)
9. **Discussion & Action:** Hear an update on Sun Day (9/21) event planning (Kera Binns)

### **10. Workplan Ad Hoc Committee Updates:**

- a. Building Decarbonization (Ranney, McGuire, Tahara, Binns)
- b. Justice (LaBonte, McGuire, Syed)
- c. Community Outreach (Ranney, Binns, Athanasiou)
- d. Climate Emergency Preparedness (Ranney, Mahmoudian, Kesselman, Syed)

### **11. Commission Liaison Reports**

- a. Planning Commission (Alison LaBonte)
- b. Transportation and Infrastructure Commission (vacant)
- c. Parks, Recreation and Waterfront Commission (Yasmin Mahmoudian)
- d. Zero Waste Commission (Mabel Athanasiou)
- e. Disaster and Fire Safety Commission (Les Guliasi)
- f. Housing Advisory Commission (Kera Binns)
- g. Council Policy Subcommittees (Brianna McGuire)

### **12. Potential Items for Future Agenda**

- a. Just Transition update (Sept-Oct)
- b. [General Plan](#): Disaster Preparedness & Safety Element, Environmental Justice Element, and climate metrics update (Sept-Oct)
- c. Councilmember referral ranking and the nexus with climate/environment (Sept-Oct)
- d. Reach Codes update (Sept-Oct)
- e. Vision 2050+
- f. Cesar Chavez Landfill
- g. Transfer Station
- h. City efforts to develop and support relationships with Indigenous community
- i. Bicycle Boulevards
- j. Reach Codes status

**INFORMATION ITEMS**

**13. Communications**

**14. Announcements from Commissioners**

**ADJOURNMENT**

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*This meeting will be conducted in accordance with the Brown Act, Government Code Section 54953. Any member of the public may attend this meeting. Questions regarding this matter may be addressed to Sarah Moore, 510-981-7494, [smoore@berkeleyca.gov](mailto:smoore@berkeleyca.gov).*

*Communications to Berkeley boards, commissions or committees are public record and will become part of the City’s electronic records, which are accessible through the City’s website. Please note: E-mail addresses, names, addresses, and other contact information are not required but, if included in any communication to a City board, commission, or committee, will become part of the public record. If you do not want your e-mail address or any other contact information to be made public, you may deliver communications via U.S. Postal Service or in person to the secretary of the relevant board, commission, or committee. If you do not want your contact information included in the public record, please do not include that information in your communication. Please contact the secretary to the relevant board, commission, or committee for further information.*

*Any writings or documents provided to a majority of the commission regarding any item on this agenda will be made available for public inspection at the Planning Department located at 1947 Center Street.*

**COMMUNICATION ACCESS INFORMATION:**

This meeting is being held in a wheelchair-accessible location. To request a disability-related accommodation(s) to participate in the meeting, including auxiliary aids or services, please contact the Disability Services specialist at 981-6418 (V) or 981-6347 (TDD) at least three business days before the meeting date. Please refrain from wearing scented products to this meeting.

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I hereby certify that the agenda for this regular/special meeting of the Berkeley City Commission on Commissions was posted at the display case located near the walkway in front of the Maudelle Shirek Building, 2134 Martin Luther King Jr. Way, as well as on the City’s website.  
*Sarah Moore, Commission Secretary*



Environment & Climate Commission

**ENVIRONMENT AND CLIMATE COMMISSION DRAFT MINUTES**  
**June 25, 2025**

<b>Commissioner</b>	<b>Appointed by</b>	<b>District</b>
vacant	Ishii	Mayor
Ranney, Sarah	Kesarwani	District 1
LaBonte, Alison	Taplin	District 2
McGuire, Brianna	Bartlett	District 3
Tahara, Daniel	Tregub	District 4
Mahmoudian, Yasmin	O'Keefe	District 5
Guliasi, Les	Blackaby	District 6
Kesselman, Misha	Lunaparra	District 7
Binns, Kera	Humbert	District 8
Athanasίου, Mabel	Youth Commissioner	
Syed, Shanza	Youth Commissioner	

**1. Call to Order and Roll Call**

The meeting was called to order at 6:01 pm

**Commissioners Present:** Ranney, LaBonte, McGuire, Tahara, Mahmoudian, Guliasi, Kesselman, Binns

**Commissioner Leave of Absence:** Athanasίου, Syed

**Commissioner Absent:**

**Staff:** Sarah Moore, Rebecca Milliken, Ammon Reagan

**2. Public Comments (Non-Agenda Items):**

3 member(s) of the Public

0 comment(s)

**3. Approval of Minutes:**

Motion/second to approve the May 28, 2025 Minutes (Binns, Mahmoudian). The motion carried: 7-0-1-2; **Ayes:** Ranney, McGuire, Tahara, Mahmoudian, Guliasi, Kesselman, Binns. **Noes:** None. **Abstain:** LaBonte. **Absent:** Athanasίου, Syed

**4. Agenda Check**

**5. Update from Chair**

**6. Update from Staff**

## **DISCUSSION AND ACTION ITEMS**

7. **Discussion & Action:** Hear a presentation and provide input on the BESO Time of Sale Resilience Upgrades (Ammon Reagan) [Public Comments: 1]
  - a. [BESO Time of Sale New Requirements Overview](#)
  - b. [BESO Time of Sale Ordinance Amendments](#)
8. **Discussion and Action:** Learn about [Sun Day](#) (September 21, 2025) day of action to celebrate clean energy and discuss possible Commission engagement (Kera Binns) [Public Comments: 0]

*Commissioners LaBonte and Guliasi exited the meeting at 7:13 pm.*

9. **Workplan Ad Hoc Committee Updates** [Public Comments: 0]
  - a. Building Decarbonization (Ranney, McGuire, Tahara, Binns)
  - b. Justice (LaBonte, McGuire, Syed)
  - c. Community Outreach (Binns, Athanasiou)
  - d. Climate Emergency Preparedness (Ranney, Mahmoudian, Kesselman, Syed)

10. **Commission Liaisons Reports** [Public Comments: 0]
  - a. Planning Commission (Alison LaBonte)
  - b. Transportation and Infrastructure Commission (vacant)
  - c. Parks, Recreation and Waterfront Commission (Yasmin Mahmoudian)
  - d. Zero Waste Commission (Mabel Athanasiou)
  - e. Disaster and Fire Safety Commission (Les Guliasi)
  - f. Housing Advisory Commission (Kera Binns)
  - g. Council Policy Subcommittees (Brianna McGuire)

11. **Potential Items for Future Agenda** [Public Comments: 0]
  - a. Zero Waste Strategic Plan (July)
  - b. Councilmember referral ranking and nexus with climate/environment (July)
  - c. [General Plan](#): Disaster Preparedness & Safety Element, Environmental Justice Element, and climate metrics update (September)
  - d. Just Transition Phase Two implementation update
  - e. Vision 2050+
  - f. Cesar Chavez Landfill
  - g. Transfer Station
  - h. City efforts to develop and support relationships with indigenous community
  - i. Bicycle Boulevards

## **INFORMATION ITEMS**

### **12. Communications**

### **13. Announcements from Commissioners**

**ADJOURNMENT**

Motion/second to adjourn at 7:56 pm (Mahmoudian, Kesselman). The motion carried: 6-0-0-4; **Ayes:** Ranney, McGuire, Tahara, Mahmoudian, Kesselman, Binns. **Noes:** None. **Abstain:** None. **Absent:** LaBonte, Guliasi, Athanasiou, Syed

Minutes Approved:

/S/ Sarah Moore, Berkeley Environment & Climate Commission Secretary



# **CITY OF BERKELEY ZERO WASTE STRATEGIC PLAN UPDATE**

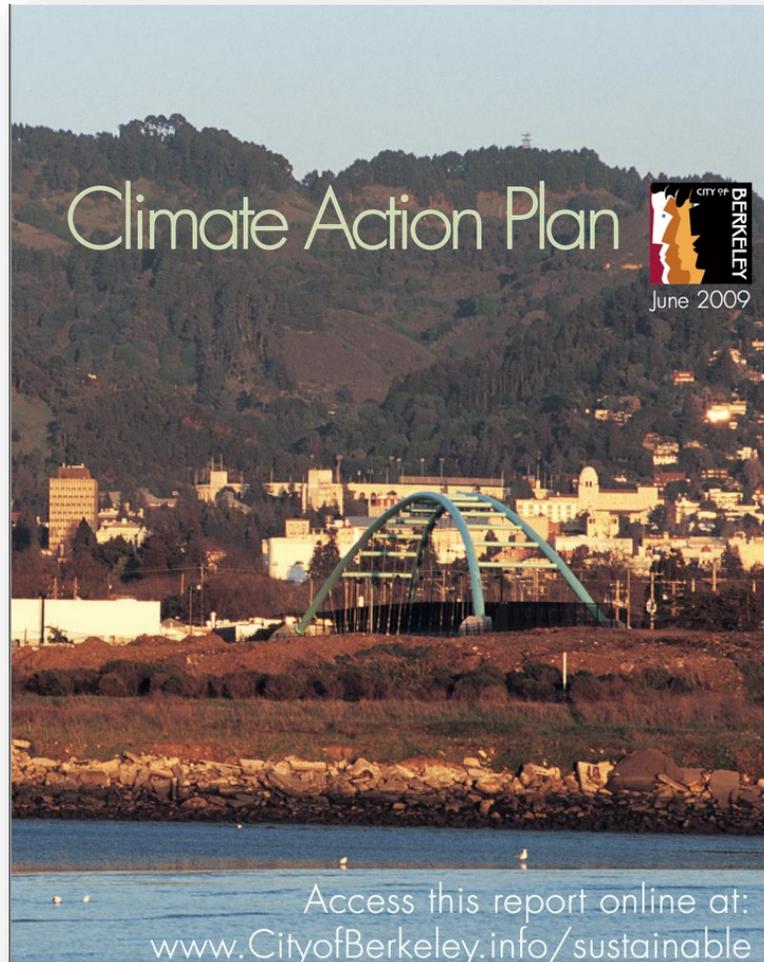
Environment and Climate Commission July 23, 2025

# Purpose

Guide the City of Berkeley to identify the policies, programs and infrastructure to reach its Climate Action and Zero Waste Goals

Identify the investments needed to implement Zero Waste solutions over the 10-year planning period

# Background



## 2005 City Council Resolution

- Eliminate Berkeley's materials sent to landfills by the year 2020

## 2009 Climate Action Plan

- Vision for the Year 2050: Zero waste is sent to landfills

## State Laws

2012

- Mandatory Commercial Recycling

2014

- Mandatory Commercial Organics

2016

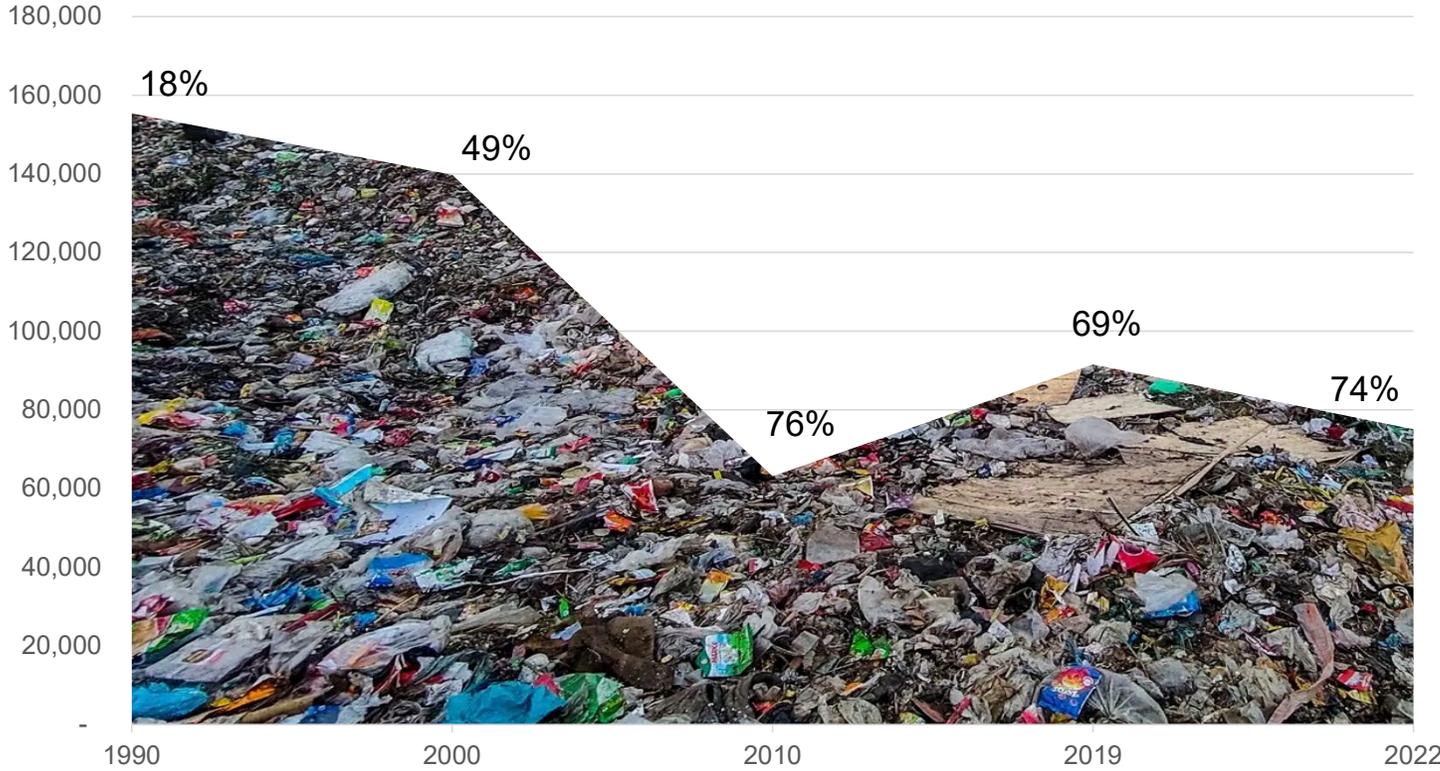
- Reduce organic waste disposal 75% by 2025
- Rescue for people to eat at least 20% of currently disposed surplus food by 2025

2022

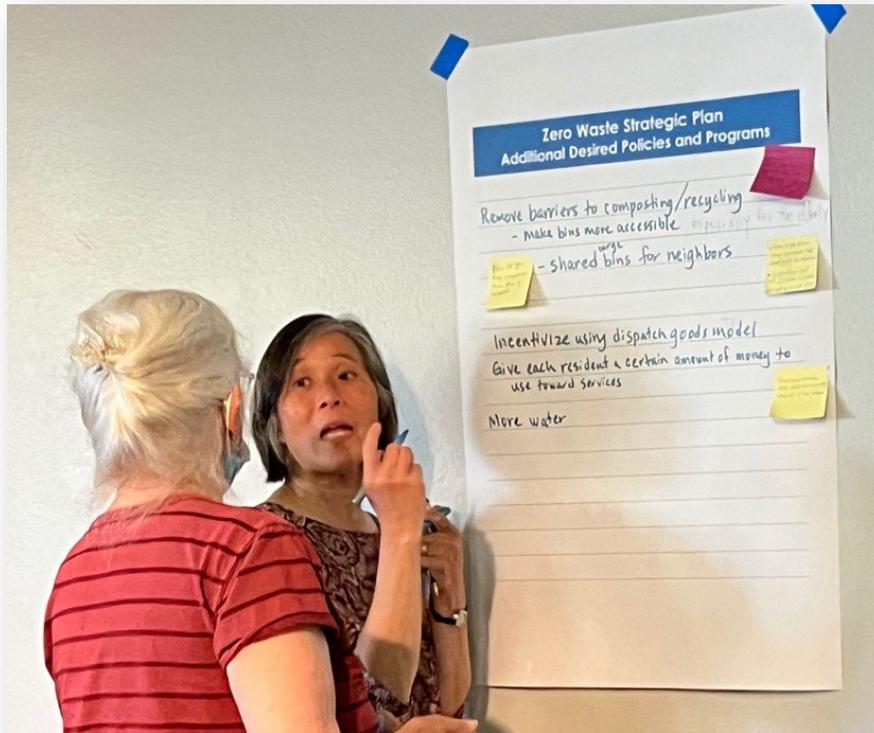
- Producer responsibility for packaging and plastic foodware

# Historical Landfill Reduction

Tonnage Reduction and  
Diversion Rate Increase Over Time



# Stakeholder Outreach



## Workshop Series

- June/July – Guiding Principles, Zero Waste Initiatives
- October – Single-family, Multifamily and Commercial Preliminary Analysis
- March – Self-haul Preliminary Analysis
- May – Draft Plan Elements

## Stakeholder Interviews

- Businesses and Institutions
- Service Providers
- City staff
- Tabling Events

## Communitywide Survey

# Guiding Principles

1. Grow community power through public engagement, accountability & a sense of accomplishment

2. Ensure City department leadership in Zero Waste practices

3. Engage public & private institutions to model Zero Waste practices

4. Prioritize reduction, reuse & repair

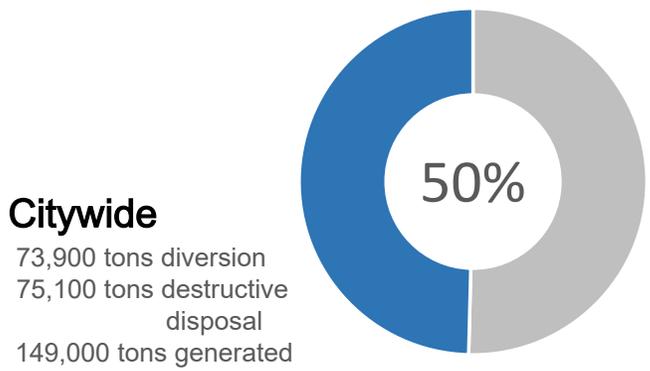
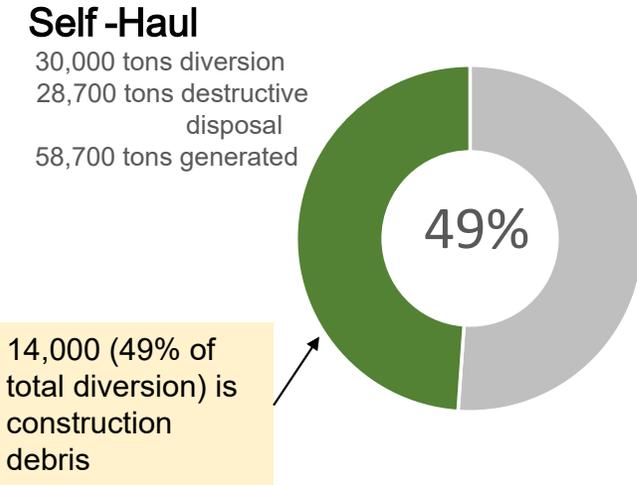
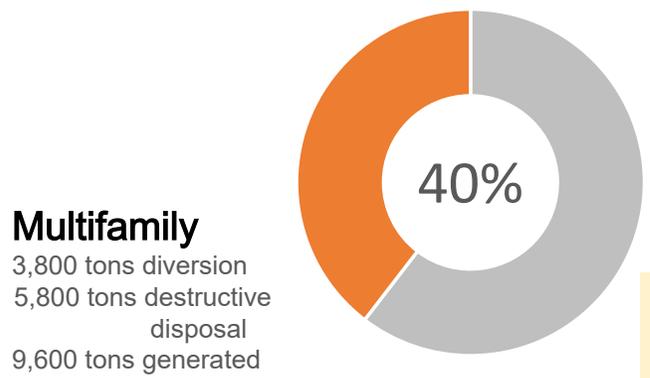
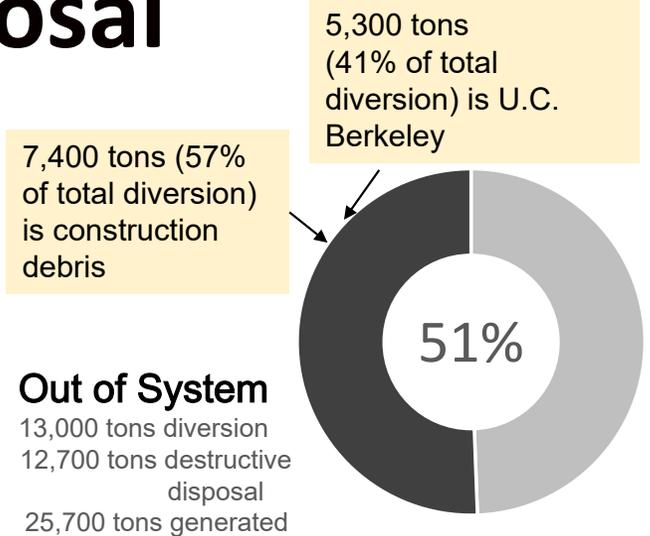
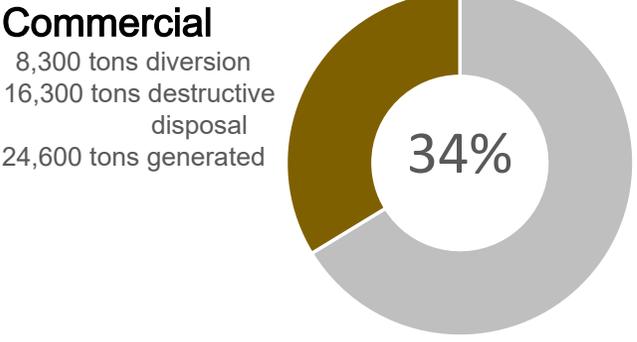
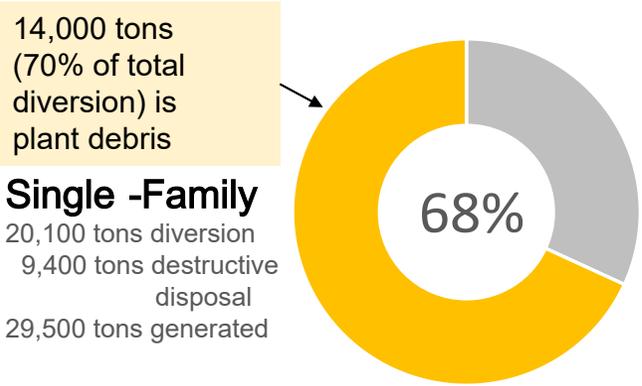
5. Hold producers accountable for their problem products through state & federal advocacy

6. Create a culture of Zero Waste through reducing consumption & maximizing reuse, recycling & composting

7. Make "doing the right thing" convenient & accessible for all

# Diversions + Destructive Disposal

## 2022 Baseline Tons

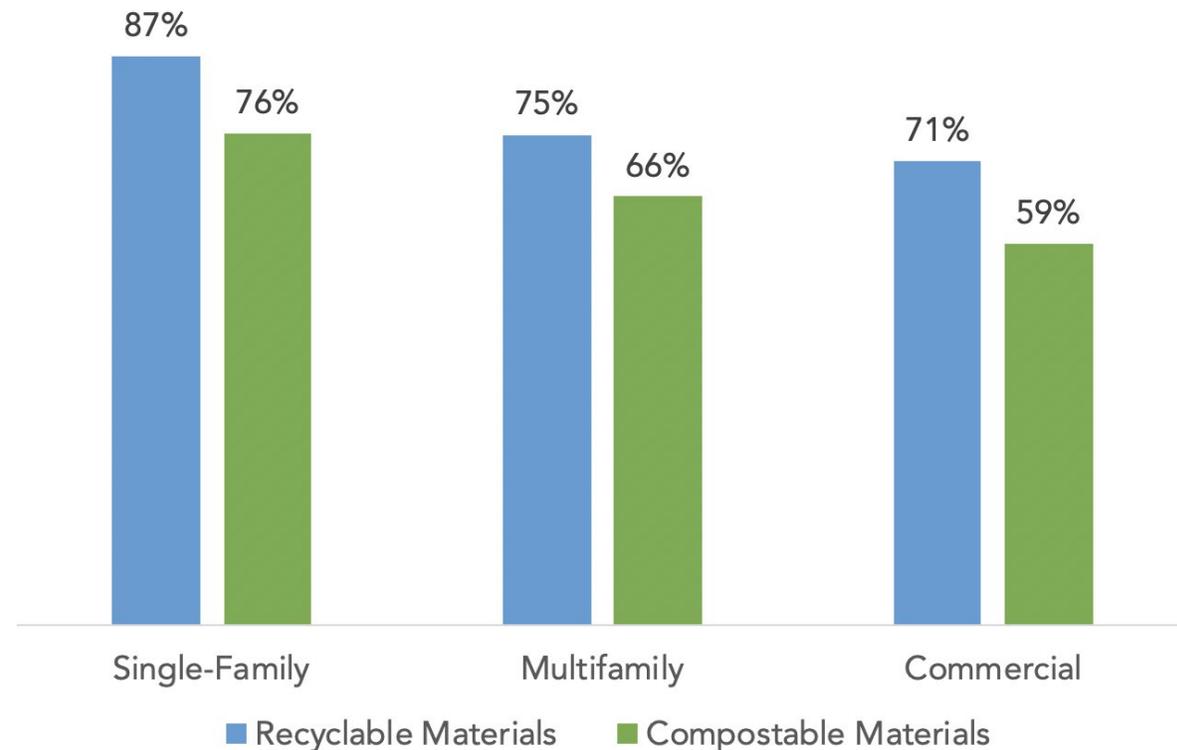


Sources: City Tonnage Reports, CalRecycle

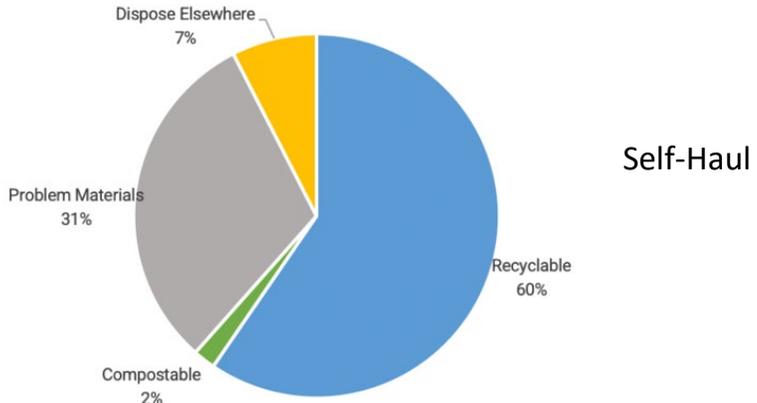
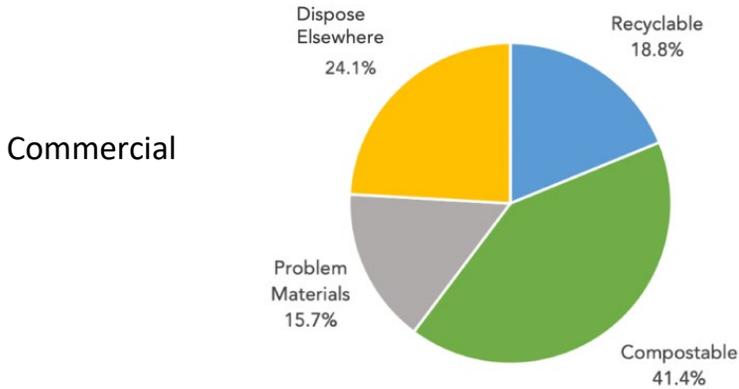
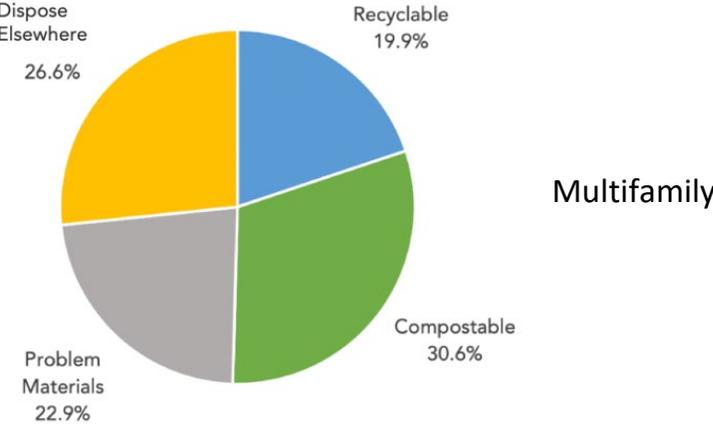
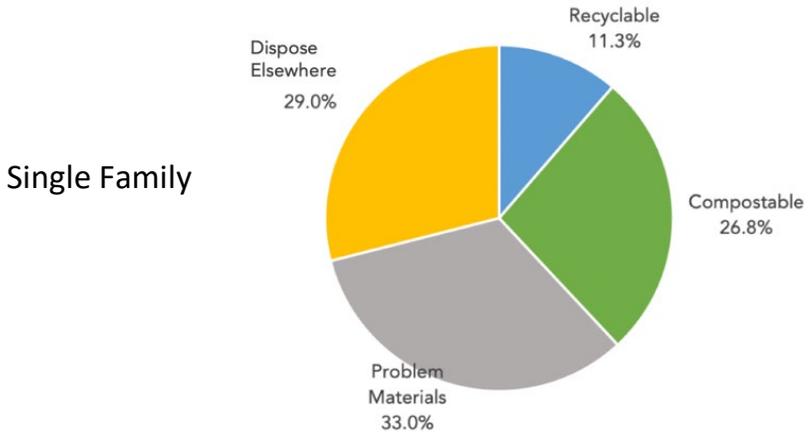
# Characterization Study – Capture Rates

Capture rates were calculated for the major material categories.

A capture rate indicates what proportion of a material type is being placed in the correct container.



# Characterization Study – Recoverability



# New Policies

1. Single-Use Foodware & Litter Reduction Ordinance Update

2. Zero Waste Events Ordinance

3. Mobile Food Vending Ordinance

4. Space Allocation for Buildings Ordinance

5. Living Walls, Landscaping or Rooftop Gardens Ordinance

6. Water-Efficient Landscape Ordinance

7. Stormwater Management and Discharge Control Ordinance

8. Zero Waste Business Sector Expansion Ordinance

9. Lease Requirements & Minimum Service Ordinance

10. Space Allocation for Enclosures Ordinance

11. Mandatory Self-haul Source Separation Ordinance

12. Green Building Ordinance Update

# New Programs

13. Household Hazardous Waste Collection

14. Food Recovery Program Expansion

15. Zero Waste Education & Enforcement

16. Share, Reuse, Repair Events

17. Hard-to-Recycle Materials Collection

18. Furniture & Household Goods Collection

19. Alternative Rates Structures

20. Battery Collection

21. Diaper & Pet Waste Diversion Program

22. Zero Waste Events Program

23. Construction Materials Reuse Exchange

# New Infrastructure

24. Reusable Foodware Infrastructure

25. Tool Lending Library Expansion

26. Zero Packaging & Refill Store  
Expansion

27. Museum of Bad Design Displays

28. Research & Development Institute

29. Household Hazardous Waste  
Drop-off Expansion

30. "User-friendly" transfer station

31. Water Bottle Refill Stations

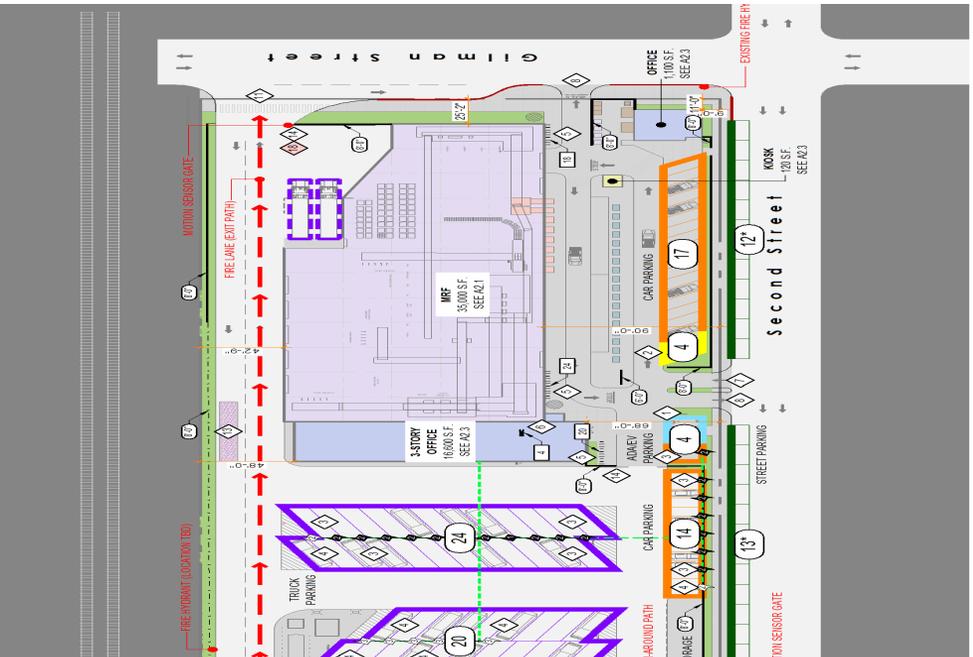
32. Public Compost Bins

33. Expand Materials Collected  
Curbside

# Berkeley Zero Waste Transfer Station



# Berkeley Zero Waste Transfer Station



**CAPE SUMMARY**

AREA	(SEE L1)	ON SITE PARKING	(BMC 23.322)
DISCAPE	7,700 SF	CAR PARKING	(2,400, 14.1%)
W/ CREEK LANDSCAPE	9,700 SF	MOTORCYCLE PARKING	4 SPACES
Z/LANDSCAPE	15,000 SF	TRUCK PARKING	53 SPACES**
TOTAL	32,400 SF	ON-SITE TOTAL	58 SPACES
LANDSCAPE		STREET PARKING	
DISCAPE TO BIRMAN	4,900 SF	NORTH CHILMAN STREET	0 SPACES
W/ CREEK LANDSCAPE	100 SF	SOUTH CHILMAN STREET	10 SPACES**
Z/LANDSCAPE	5,000 SF	EAST SECOND STREET	38 SPACES
TOTAL	10,000 SF	WEST SECOND STREET	81 SPACES**
ADJACENT STREET TOTAL		ADJACENT STREET TOTAL	38 SPACES
COMBINED TOTAL		COMBINED TOTAL	96 SPACES
NOTE	(SEE L1)	** NOT INCLUDED IN PARKING COUNT	
US	91.6%	NOTES	
ANALYSIS	78.0%	ELECTRIC VEHICLE PARKING NUMBERS ONLY SHOWN PLANNED.	
MARKERS	54.0%	DO NOT INCLUDE FUTURE PARKING SPACES.	
TRSS	91.6%		
APPROXIMATING PLANTS			
DIS			
TO HIGH	28.0%		
TO LOW	20.0%		
ES	4.0%		
WED			
W/RY OF SITE SHOWN THAT THERE WERE NO LOADS FROM THE SITE (BMC 43.010)			

**PARKING SUMMARY**

ON SITE PARKING	(BMC 23.322)
35 SPACES	
4 SPACES**	
53 SPACES**	
96 SPACES	
0 SPACES	
10 SPACES**	
38 SPACES	
81 SPACES**	
38 SPACES	
96 SPACES	
** NOT INCLUDED IN PARKING COUNT	
NOTES	
ELECTRIC VEHICLE PARKING NUMBERS ONLY SHOWN PLANNED.	
DO NOT INCLUDE FUTURE PARKING SPACES.	

**BICYCLE PARKING SUMMARY**

PLANNED BIKE PARKING	(23.322)
SHORT TERM	671
LONG TERM	81
TOTAL BIKE PARKING	751
REQUIRED BIKE PARKING	
BERKELEY MUNICIPAL CODE	(23.322)
CALIFORNIA CODE	
SHORT TERM	(6,106.4)
LONG TERM	(1,171)
BERKELEY BIKE PARKING (APPL. F)	41
NOTES	
SHORT TERM EXTERIOR BIKE PARKING IS PROVIDED BY THE CITY.	
IF BIKE RACK PROVIDES SPACE TO LOCK TWO BIKES.	
LONG TERM EXTERIOR BIKE PARKING IS PROVIDED BY BIKE RACKS THAT PROVIDE FOUR SPACES IN A STACKED CONFIGURATION.	
** (LOWER REQUIREMENT NOT USED)	

**EV CHARGER SUMMARY**

LEVEL 2 EV CHARGERS	PROPOSED	FUTURE
CAR PARKING	7 (41 SPACES)	1 (2 SPACES)
TRUCK PARKING	11 (7 SPACES)	1 (2 SPACES)
TRAILER PARKING	2 (2 SPACES)	0
LEVEL 3 EV CHARGERS	PROPOSED	FUTURE
TRUCK PARKING	0	6 (12 SPACES)

**LOADING SPACES SUMMARY**

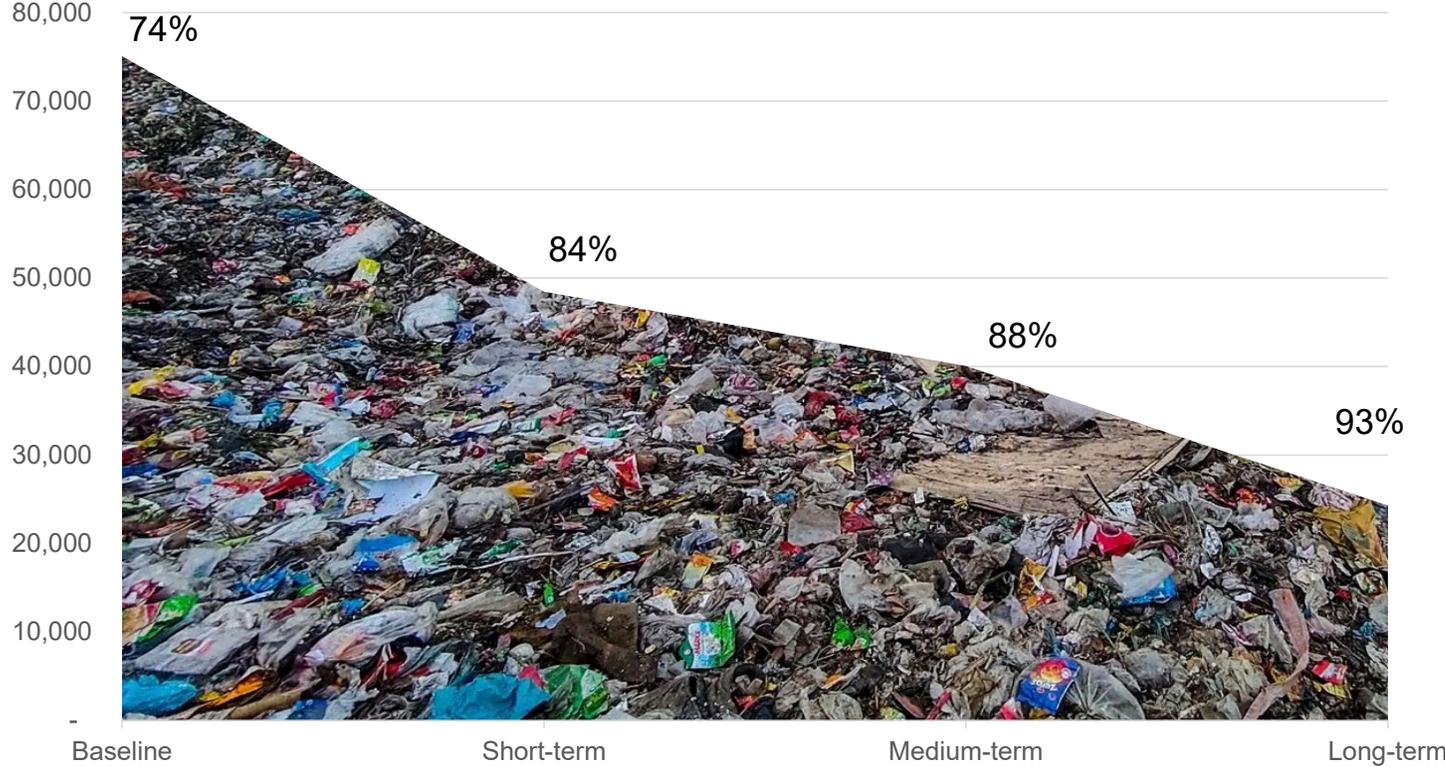
ON SITE LOADING SPACES	(23.322)	6,040
LOADING SPACES REQUIRED BY BMC 23.322 FOR THE SITE FOR THE FIRST 10,000 SQ. FT. PLUS ADDITIONAL SPACE (K) ADDITIONAL 25,000 SQ. FT.		
** DEPENDING ON CALCULATION BASIS, INCLUDED NUMBER ON SITE LOADING SPACES MAY BE 5,046		

## PROJECT INFORMATION



# Landfill Reduction Projection

Tonnage Reduction and  
Diversion Rate Increase Over Time



# Greenhouse Gas Emissions Reduction

64,392.52 MTCO<sub>2</sub>e =

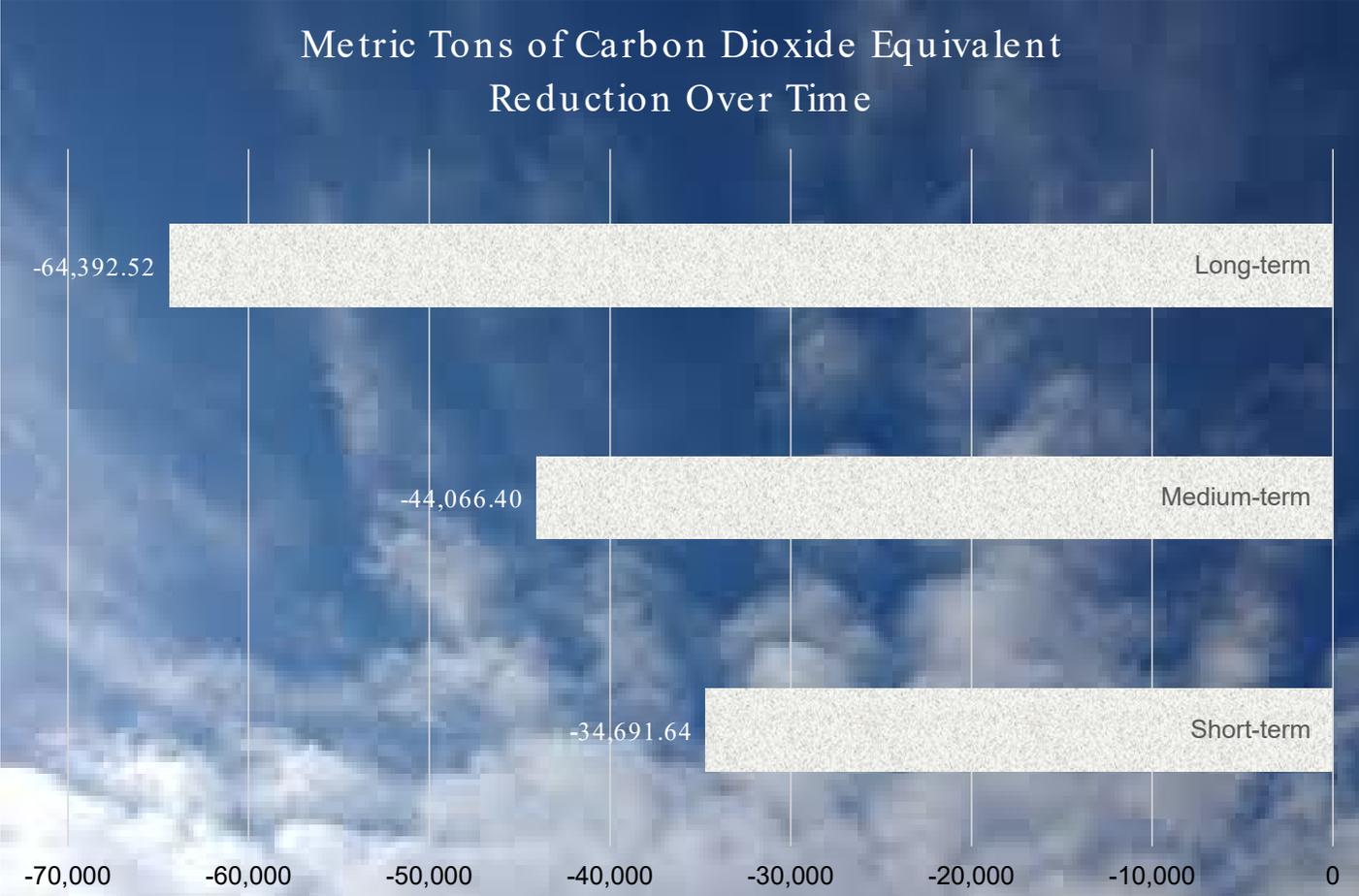


15,326  
gasoline -powered  
passenger  
vehicles driven  
for one year



8,397  
homes' energy  
use for one year

Source:  
<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



# Planning Cost Estimates

	Staff One - Time FTE	Staff Annual FTE	One -Time Costs \$M	Annual Costs \$M
Short-Term	1.22	11	1.3	3.2
Medium -Term	1.08	5	4.3	3.3
Long-Term	0.55	2	120.2	1.1
<b>Total</b>	<b>2.85</b>	<b>18</b>	<b>125.8</b>	<b>7.6</b>

#### Key Staffing Needs

- Green Building
- Zero Waste Events
- Zero Waste Outreach & Enforcement

#### Cost Drivers:

- Staff Salaries & Benefits
- Investment in New Infrastructure
- Transfer Station Rebuild

# Inter-Department Support to Implementation

<b>Activity</b>	<b>Department</b>
Mobile Food Vending Ordinance	Environmental Health Division
Zero Waste Events Ordinance	City Manager's Office
Green Building Ordinance Updates	Planning Department
Stormwater Management and Discharge Control Ordinance	Engineering Division
Zero Waste Business Sector Expansion Ordinance	Planning and Finance Departments
Lease Requirements and Minimum Services Ordinance	Development Department and Rental Housing Authority
Share, Reuse, Repair Program	Library
Tool Lending Library Expansion	Library
City Lead By Example	All Departments