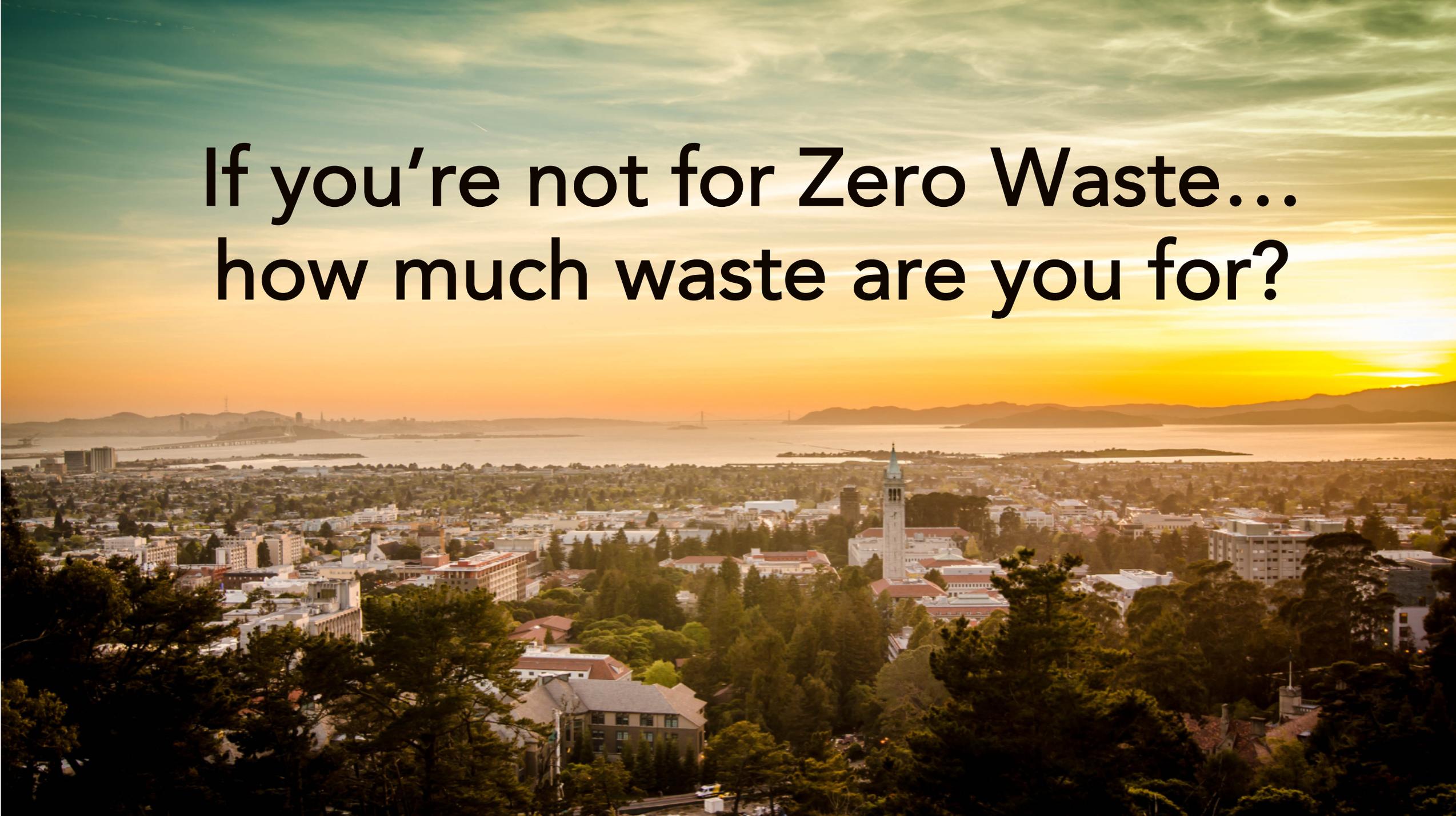


**If you're not for Zero Waste...
how much waste are you for?**



Zero Waste Strategic Plan Outline

1. Executive Summary

2. Background

3. Plan Development

- Stakeholder Outreach
- Public Workshops
- Guiding Principles

4. Current System

- Policies and Ordinances
- Programs
- Infrastructure
- Costs
- Staffing

5. Zero Waste Initiatives

- Policies and Ordinances
- Programs
- Infrastructure
- Costs
- Staffing

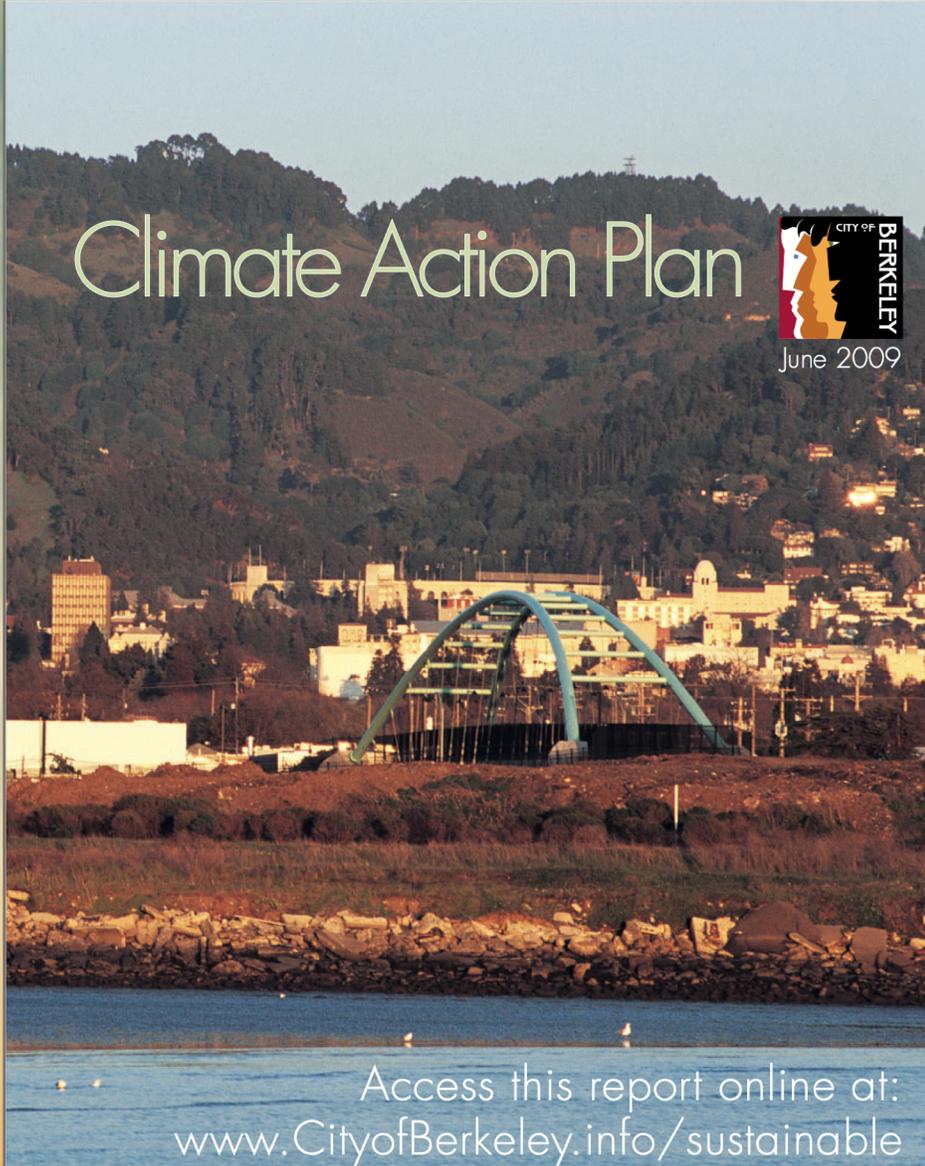
6. Implementation Schedule

- Short-term
- Medium-term
- Long-term

7. Implementation Costs

- Revenue sources
- Rate impacts

Background



Access this report online at:
www.CityofBerkeley.info/sustainable

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

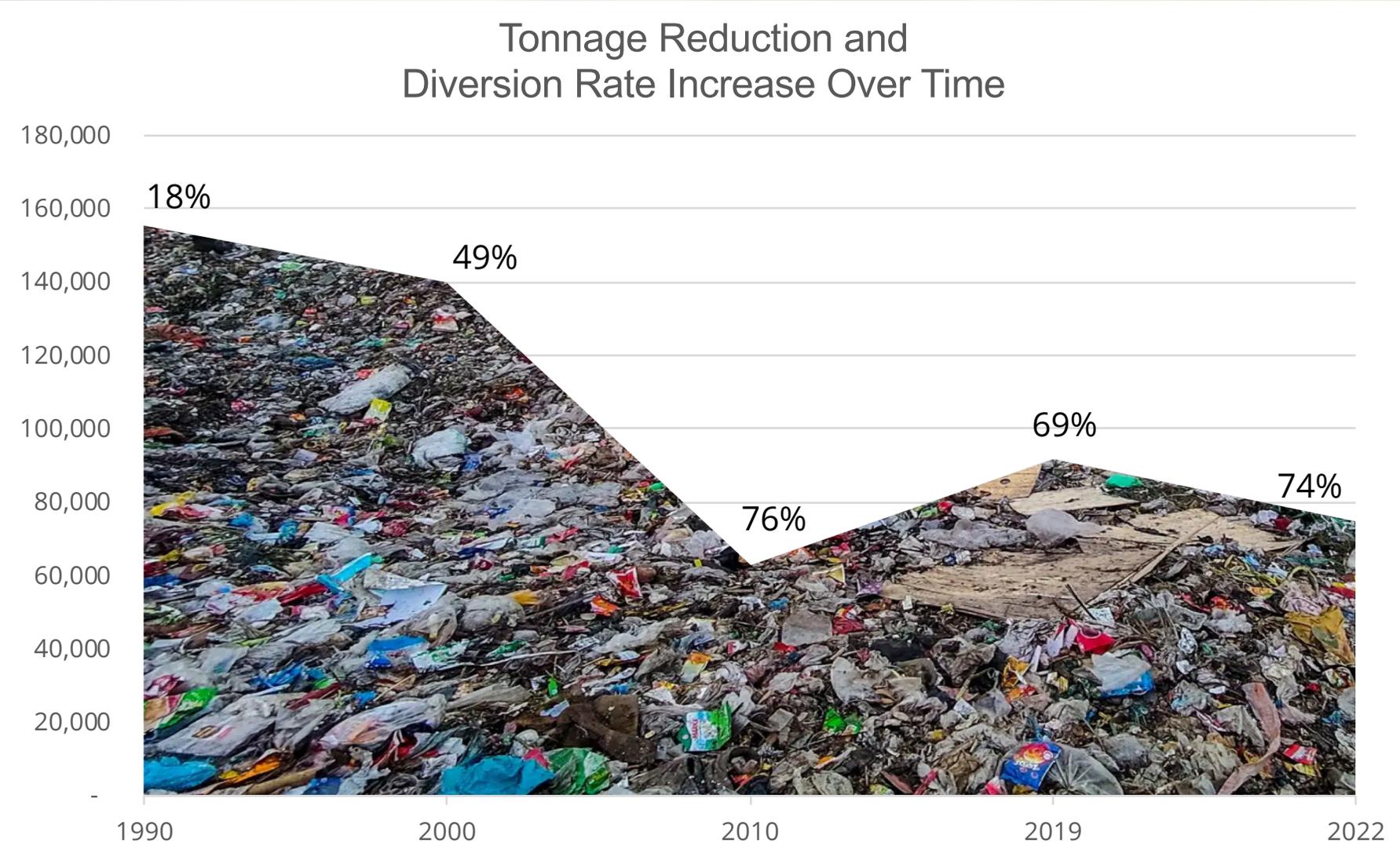
2016

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

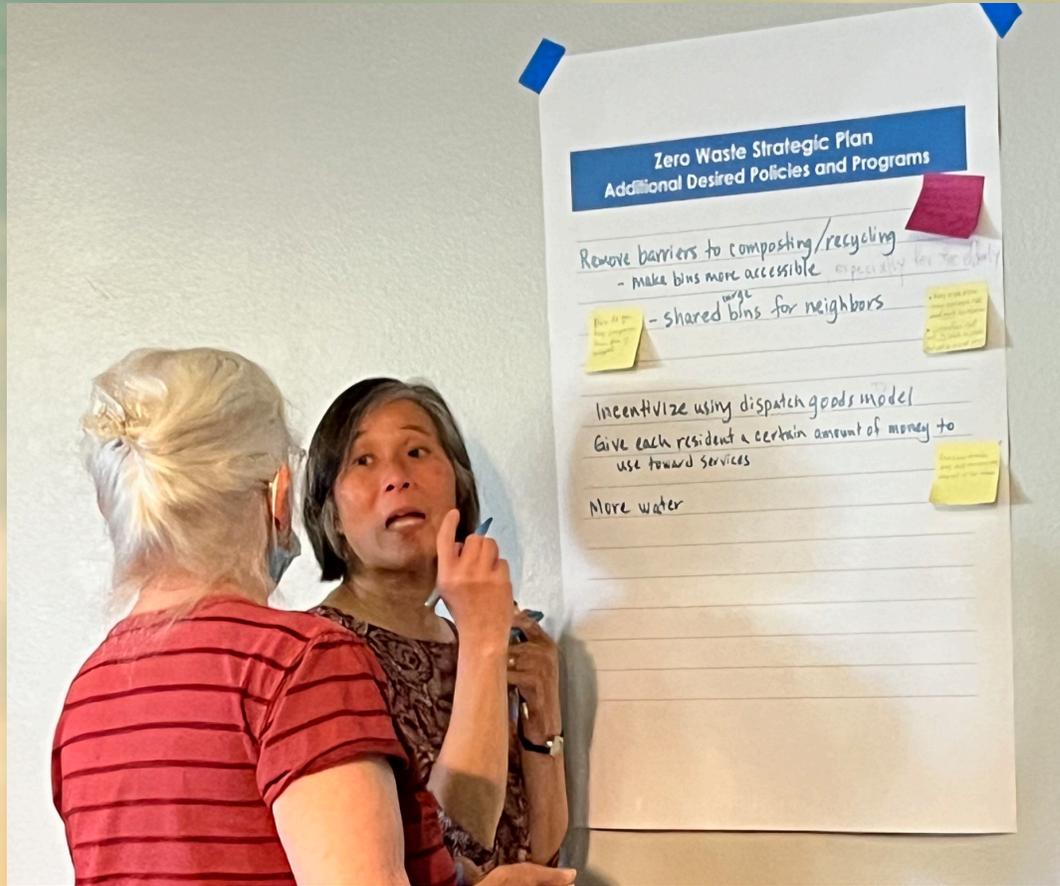
2022

- Producer responsibility for packaging and plastic foodware

Historical Landfill Reduction



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

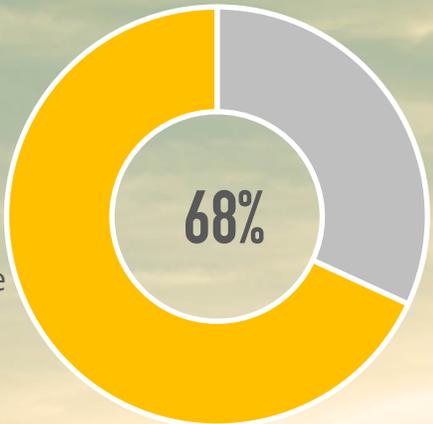
7. Make "doing the right thing" convenient & accessible for all

Diversions + Destructive Disposal

2022 Baseline Tons

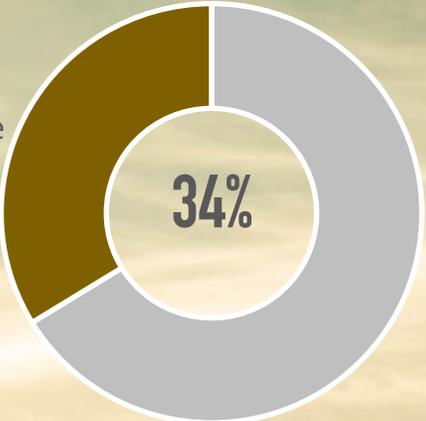
Single-Family

20,100 tons diversion
9,400 tons destructive disposal
29,500 tons generated



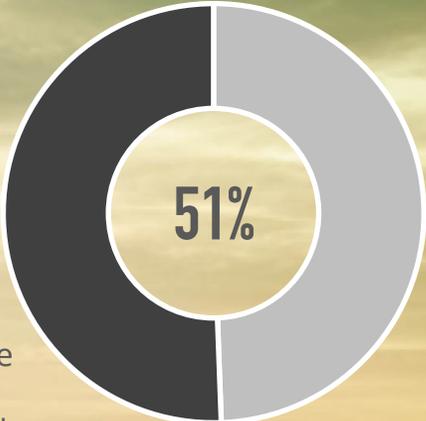
Commercial

8,300 tons diversion
16,300 tons destructive disposal
24,600 tons generated



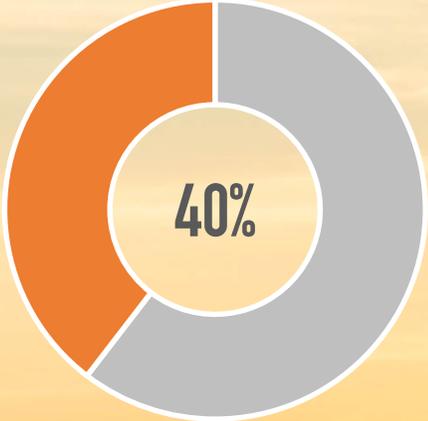
Out of System

13,000 tons diversion
12,700 tons destructive disposal
25,700 tons generated



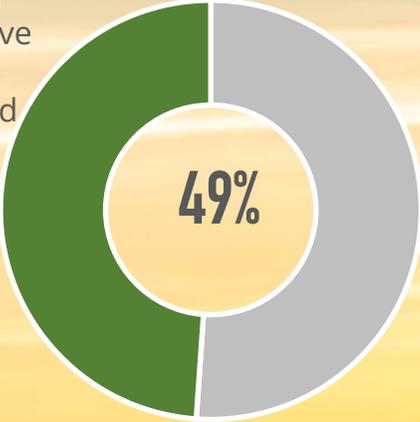
Multifamily

3,800 tons diversion
5,800 tons destructive disposal
9,600 tons generated



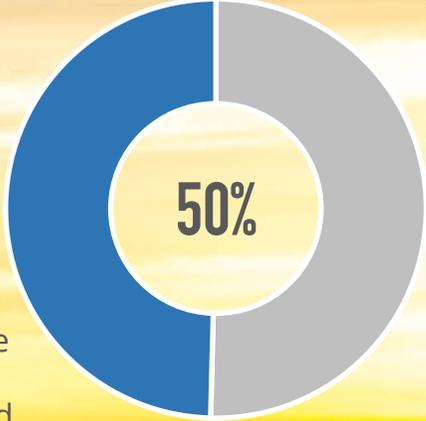
Self-Haul

30,000 tons diversion
28,700 tons destructive disposal
58,700 tons generated



Citywide

73,900 tons diversion
75,100 tons destructive disposal
149,000 tons generated



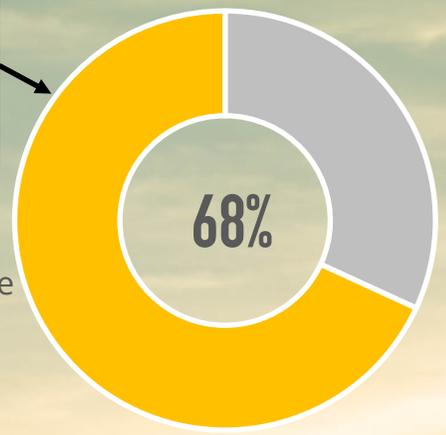
Sources: City Tonnage Reports, CalRecycle

Diversions + Destructive Disposal

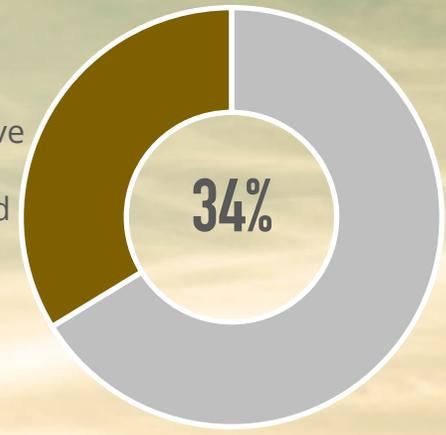
2022 Baseline Tons

14,000 tons
(70% of total diversion)
is plant debris

Single-Family
20,100 tons diversion
9,400 tons destructive disposal
29,500 tons generated



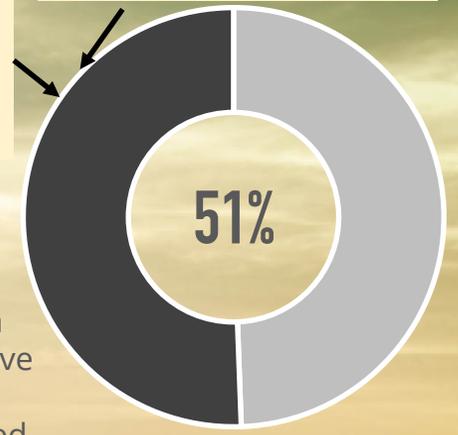
Commercial
8,300 tons diversion
16,300 tons destructive disposal
24,600 tons generated



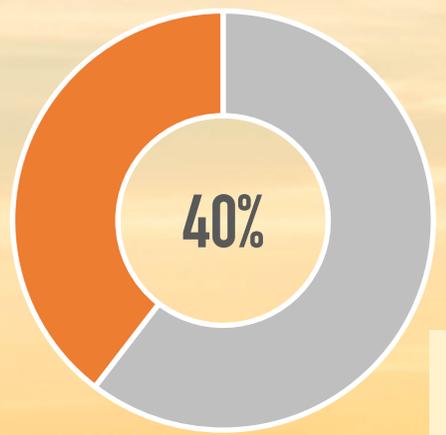
7,400 tons (57% of total diversion)
is construction debris

5,300 tons
(41% of total diversion)
is U.C. Berkeley

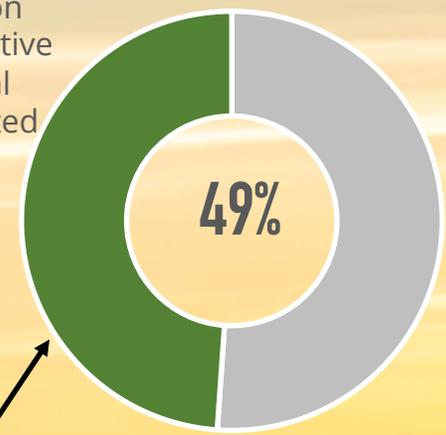
Out of System
13,000 tons diversion
12,700 tons destructive disposal
25,700 tons generated



Multifamily
3,800 tons diversion
5,800 tons destructive disposal
9,600 tons generated

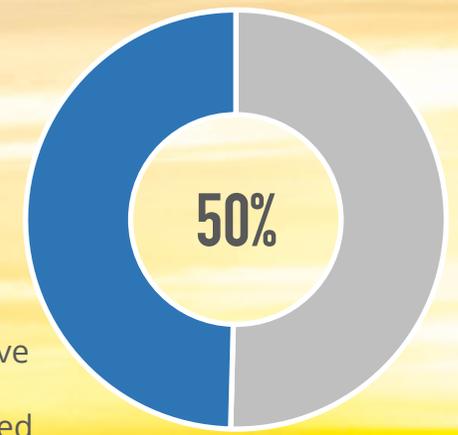


Self-Haul
30,000 tons diversion
28,700 tons destructive disposal
58,700 tons generated



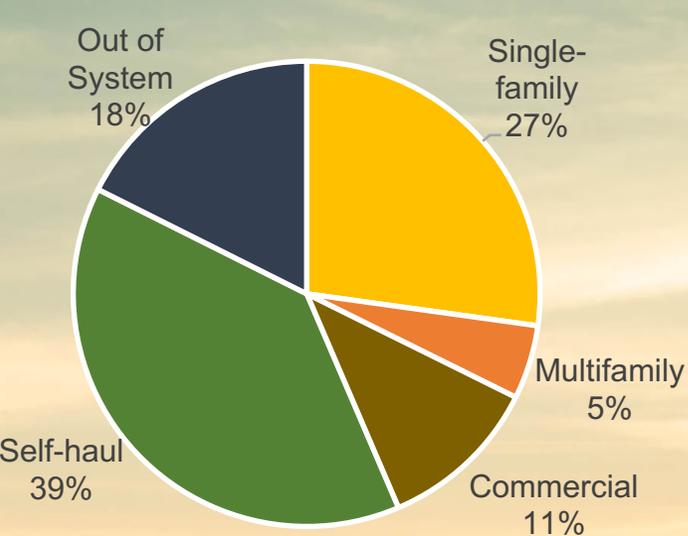
14,000 (49% of total diversion)
is construction debris

Citywide
73,900 tons diversion
75,100 tons destructive disposal
149,000 tons generated

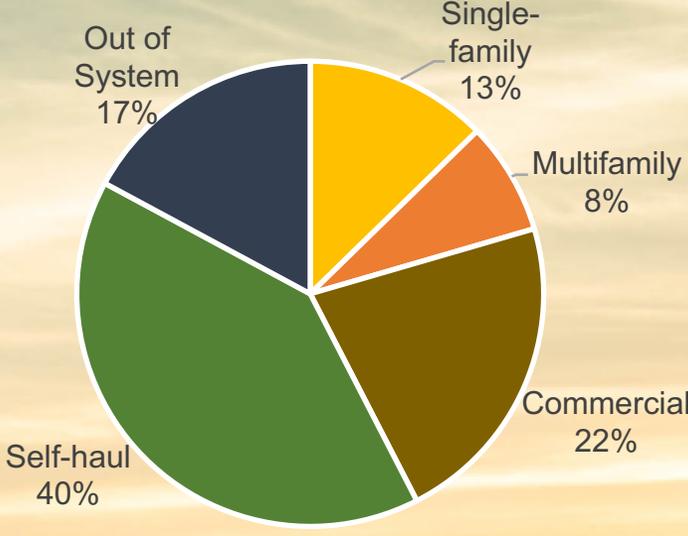


Percent Diverted, Destructively Disposed and Generated by Sector

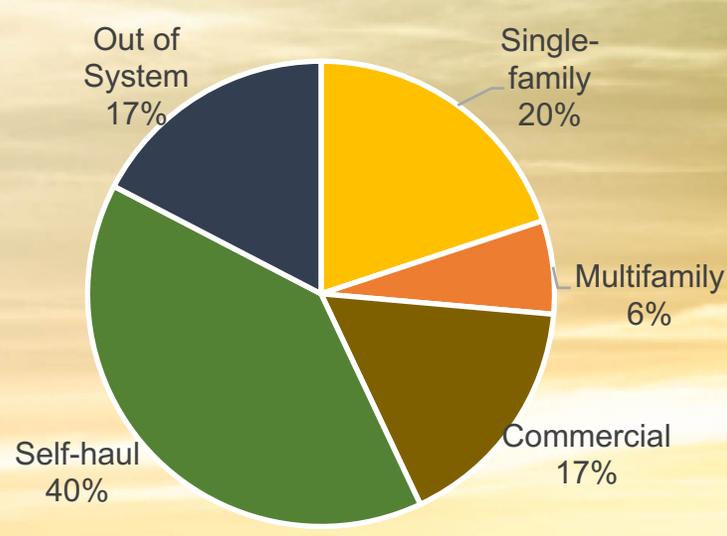
Diversion



Destructive Disposal



Generation



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

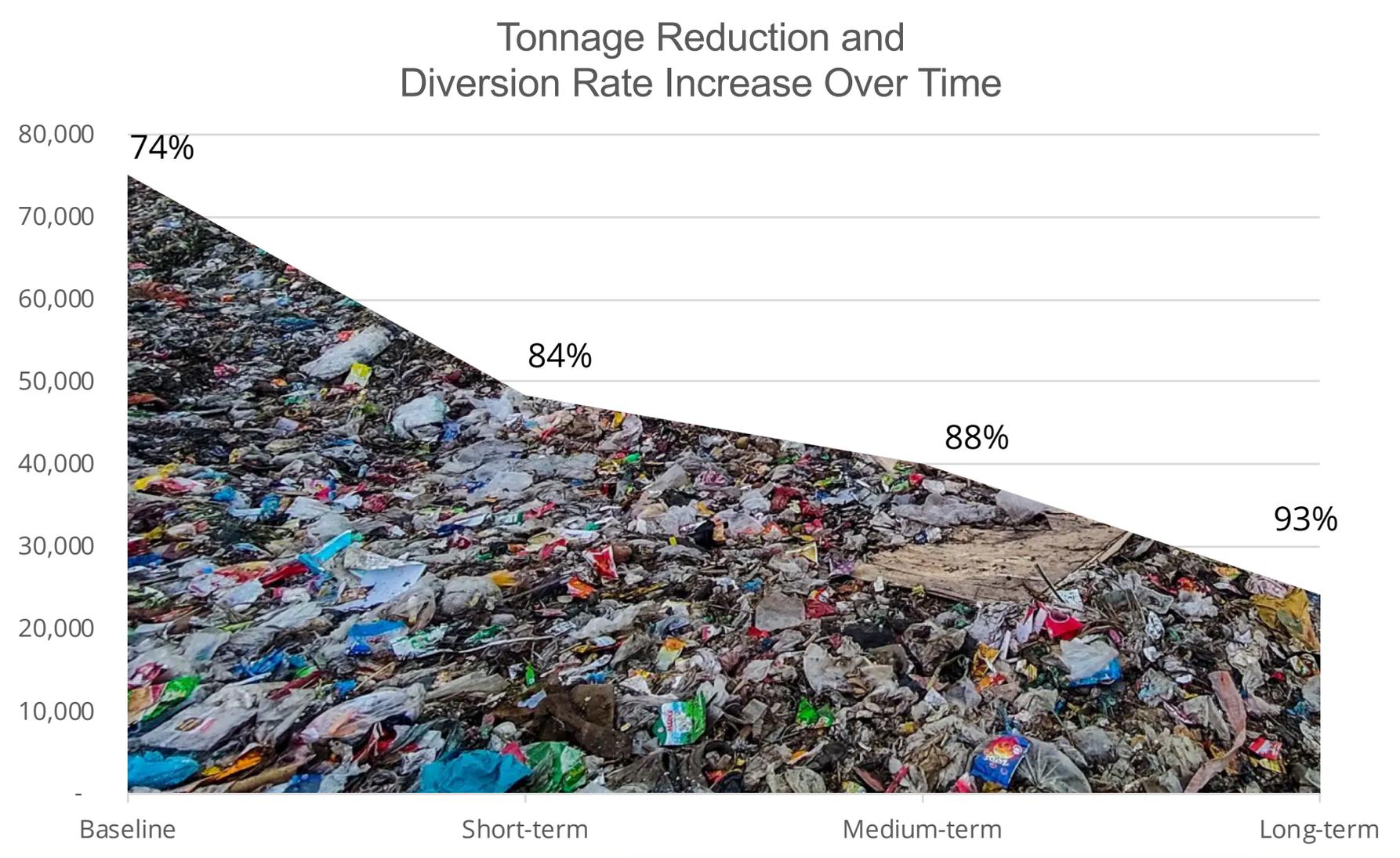
32. Public Compost Bins

33. Expand Materials Collected Curbside

Preliminary Implementation Timeframe

Short-Term (1-3 Years)	Medium-Term (4-7 Years)	Long-Term (8-10 Years)
Update Single-Use Foodware & Litter Reduction Ordinance	Space Allocation for Buildings Ordinance	Mandatory Self-haul Source Separation Ordinance
Zero Waste Events Ordinance	Living Walls, Landscaping, or Rooftop Gardens Ordinance	Museum of Bad Design Displays
Mobile Food Vending Ordinance	Lease Requirements and Minimum Service Ordinance	Research & Development Institute
Water-Efficient Landscape Ordinance	Household Hazardous Waste Collection	"User-friendly" Transfer Station
Stormwater Management and Discharge Control Ordinance	Hard-to-Recycle Materials Collection	
Zero Waste Business Sector Expansion Ordinance	Furniture and Household Goods Collection	
Space Allocation for Enclosures Ordinance	Diaper Program and Pet Waste Diversion Program	
Green Building Ordinance Update	Reusable Foodware Infrastructure	
Food Recovery Program Expansion	Tool Lending Library Expansion	
Zero Waste Education and Enforcement	Water Bottle Refill Stations	
Share, Reuse, Repair Program	Public Compost Bins	
Alternative Rate Structures	Expand Materials Collected Curbside	
Battery Collection		
Zero Waste Events Program		
Construction Materials Reuse Exchange		
Zero Packaging and Refill Store Expansion		
Household Hazardous Waste Drop-off Expansion		

Landfill Reduction Projection



Greenhouse Gas Emissions Reduction

64,392.52 MTCO₂e =

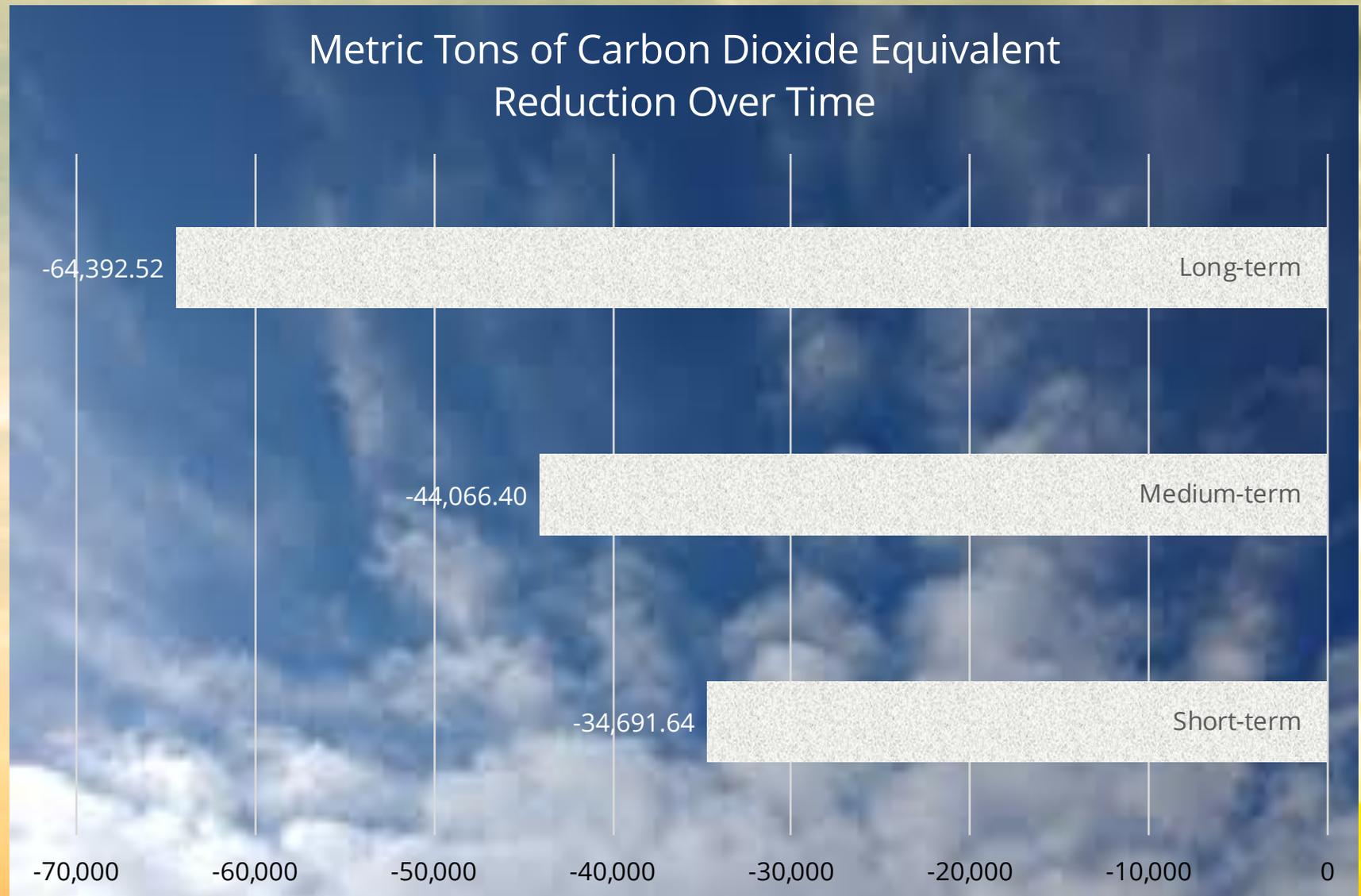


15,326
gasoline-powered
passenger
vehicles driven for
one year



8,397
homes' energy
use for one year

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



Preliminary Costs

	Staff One-Time FTE	Staff Annual FTE	One-Time Costs \$M	Annual Costs \$M
Short-Term	1.32	11	1.7	3.5
Medium-Term	1.03	5	3.9	3.3
Long-Term	0.50	2	116.8	0.7
Total	2.85	18	122.4	7.6

Key Staffing Needs

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

Cost Drivers:

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

Next Steps

- Stakeholder Feedback on Draft Plan Elements – May
- Transfer Station Financing Plan – May-June
- Evaluate Impact on Rates – June
- Develop Draft Plan – Summer 2024
- City Council Work Session – Fall 2024