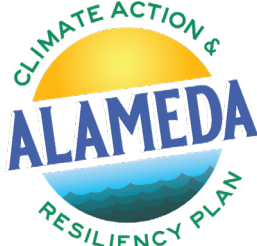
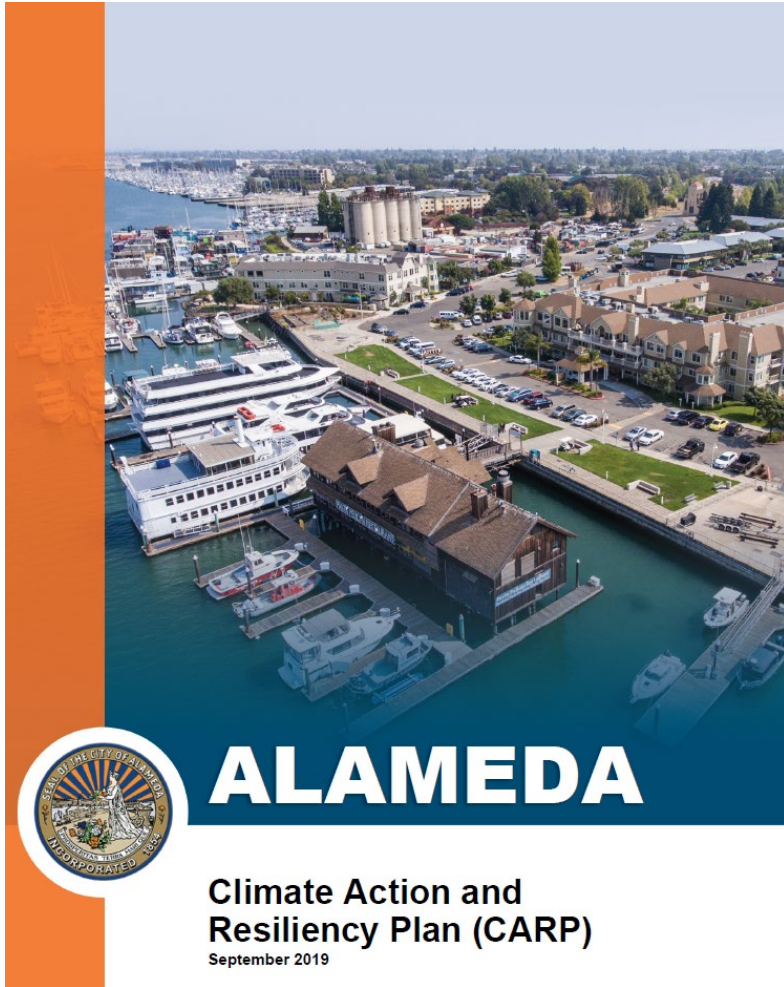
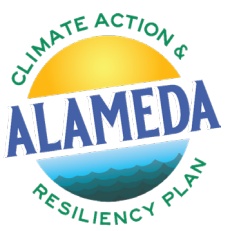


Community Workshop

June 25, 2024



Workshop Agenda

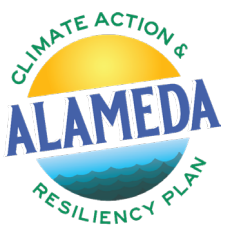


**Climate Action and
Resiliency Plan (CARP)**
September 2019

- | | |
|--------------------|---|
| 6:00-6:10pm | Welcome and Workshop Overview |
| 6:10-6:40pm | Plan Update Overview and Open House <ul style="list-style-type: none">• Climate Action and Resiliency Plan (CARP)• Local Hazard Mitigation Plan (LHMP)• Zero Waste Implementation Plan (ZWIP)• Open House Stations |
| 6:40-7:30pm | Open House Stations |
| 7:30pm | Raffle and Adjourn |

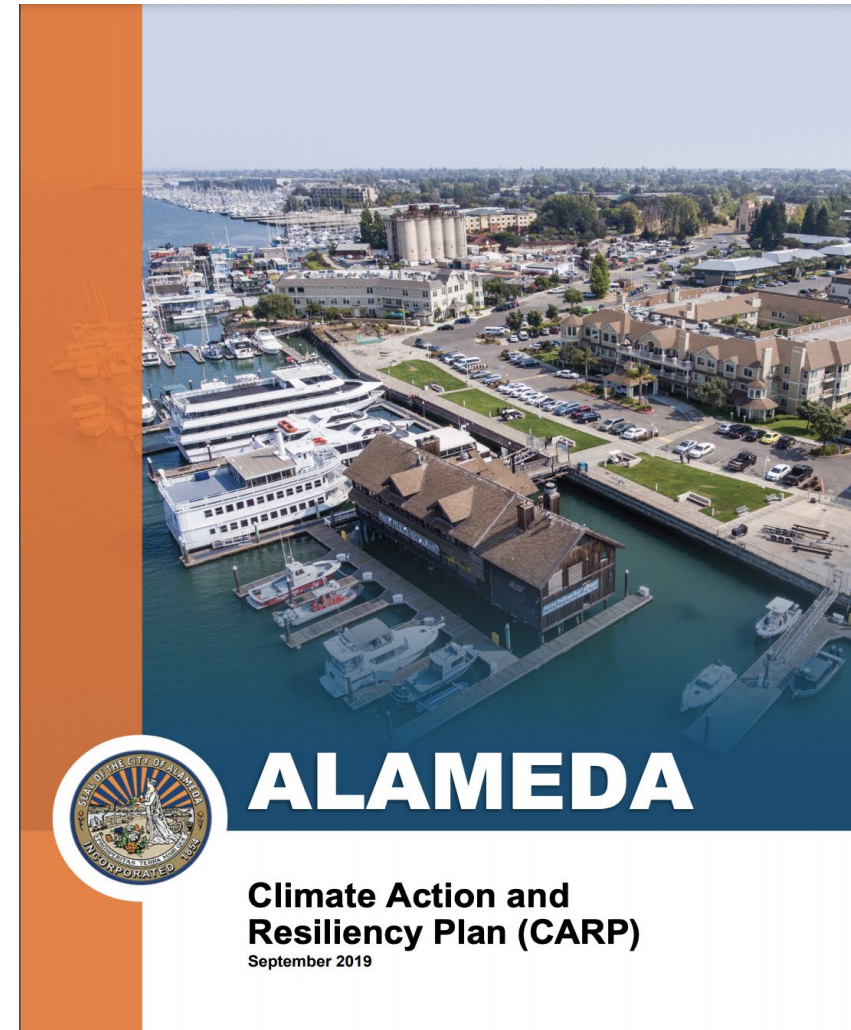
Climate Action and Resiliency Plan Update

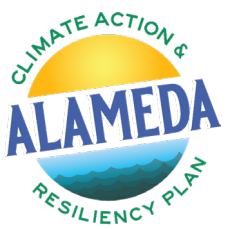
Alameda Climate Action and Resiliency Plan



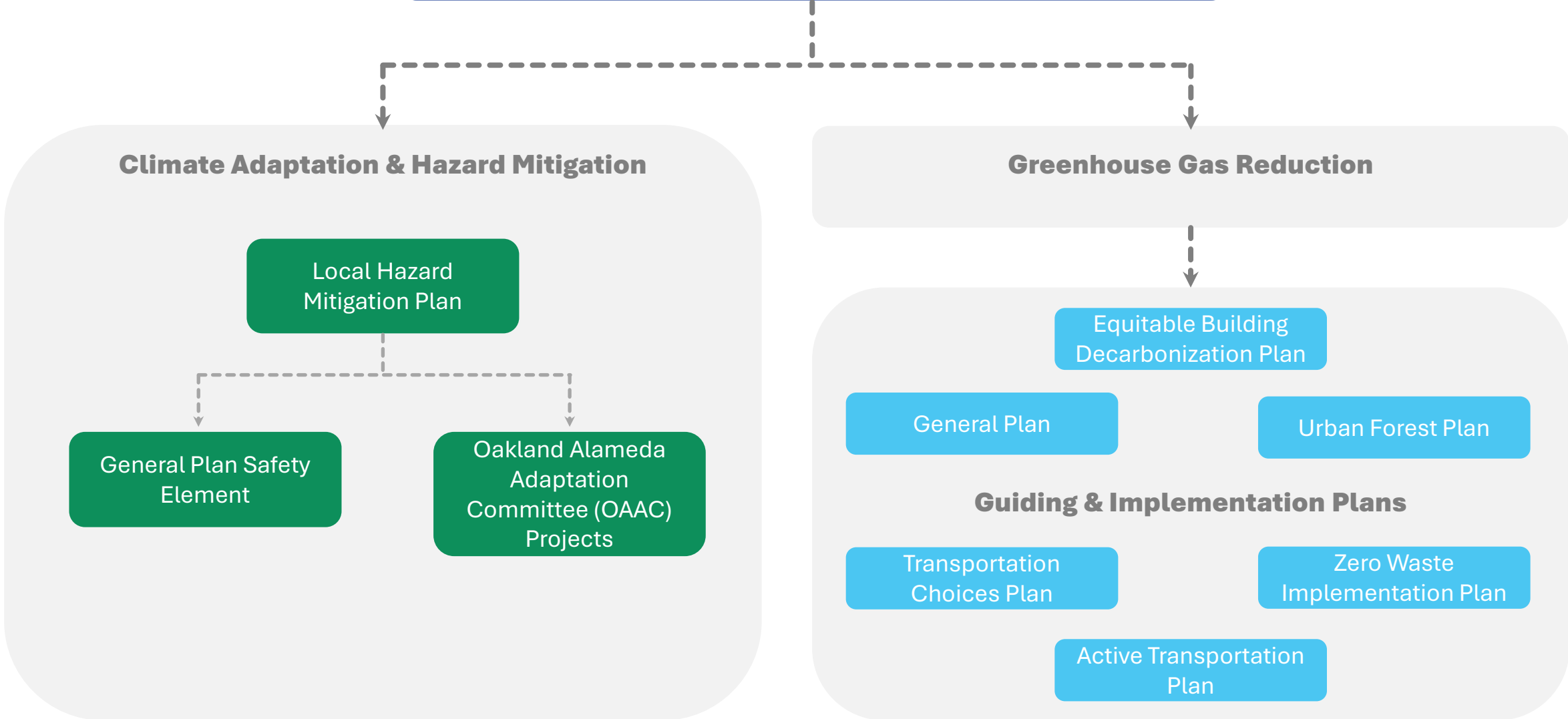
- Reduce emissions by 50% below 2005 levels by 2030
- 2019 Climate Emergency Declaration
 - Achieve net zero emissions as soon as possible
- Climate Adaptation
 - Flooding, sea level and groundwater rise, drought, extreme heat, hazardous air quality, and earthquakes/ liquefaction.

www.alamedaca.gov/CARP

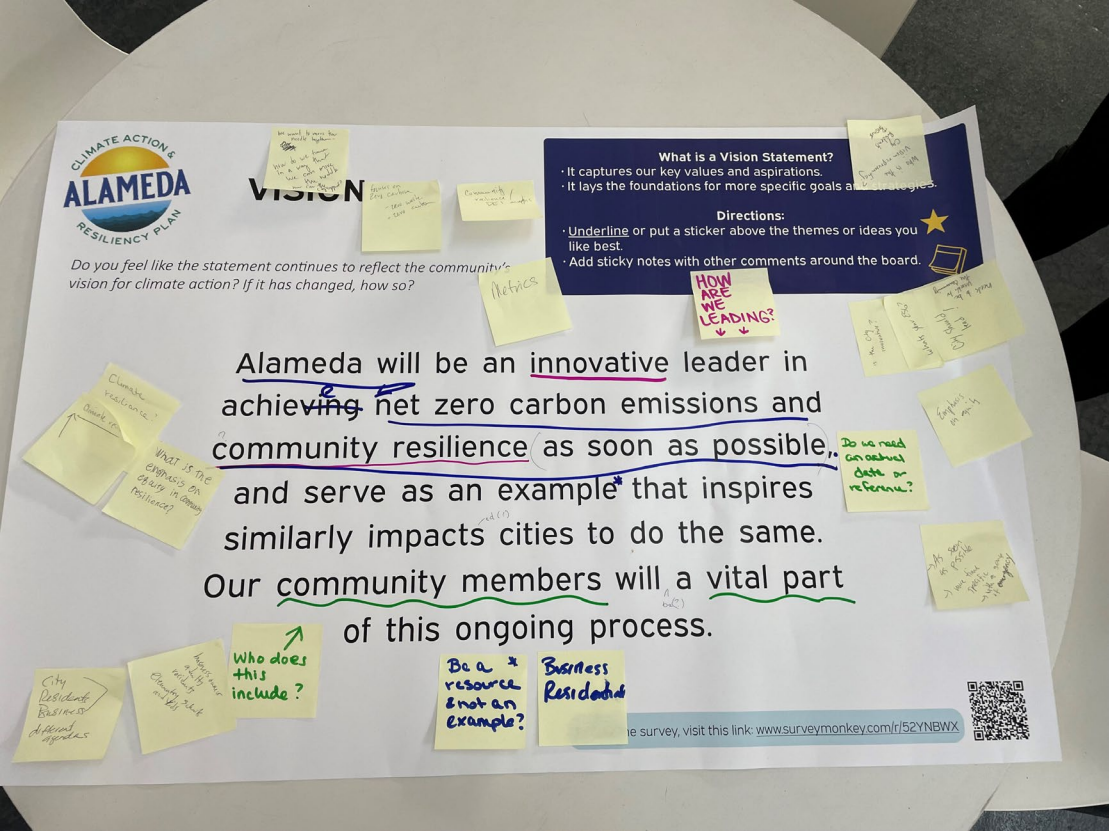




Climate Action and Resiliency Plan (CARP)



Community Engagement Activities To Date



City Green Team Meetings (3 meetings)

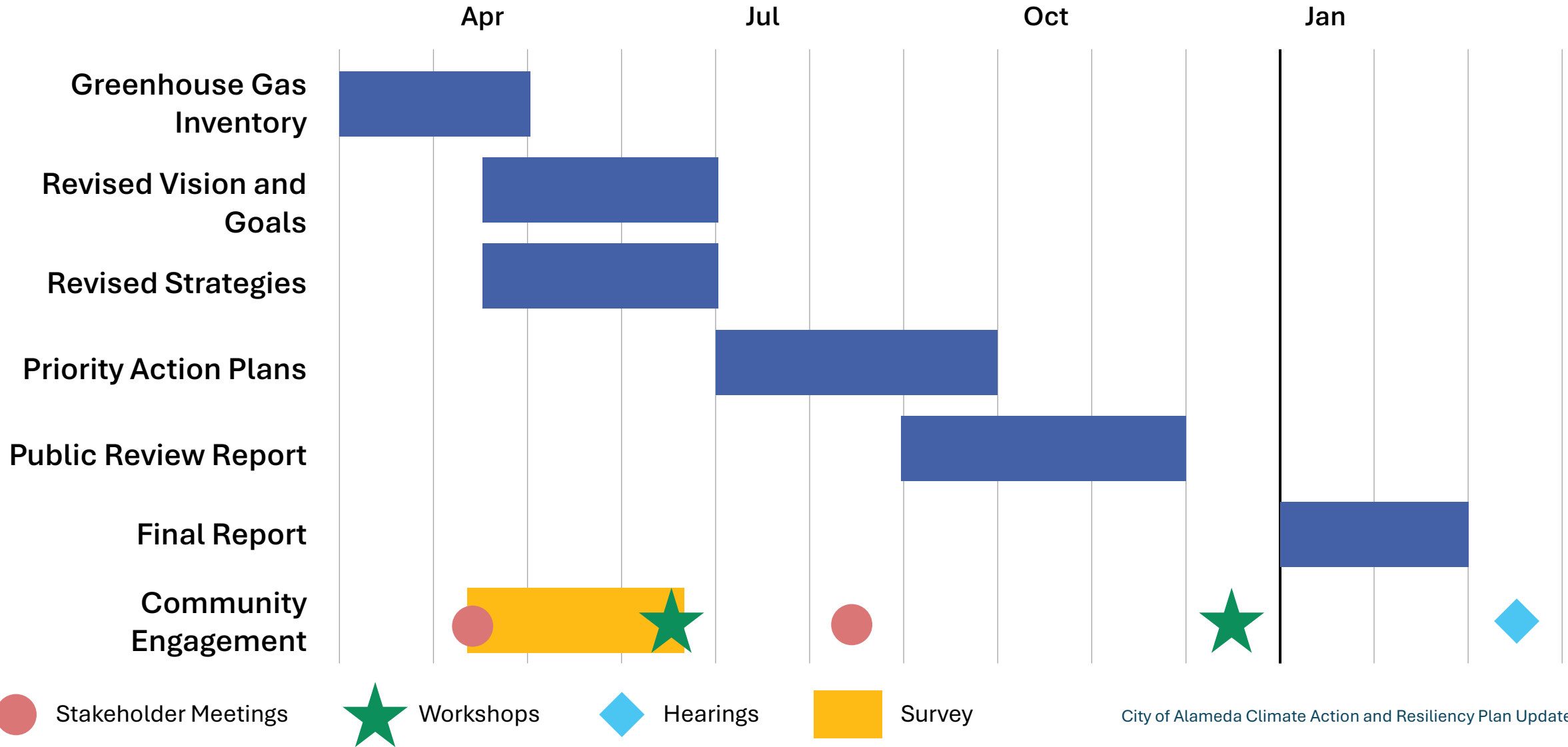
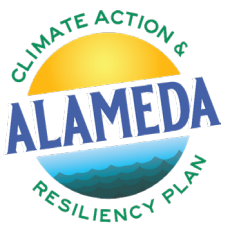
Stakeholder Meetings (April / May, 4 meetings)

Community Survey (April 15 – June 18, 156 respondents)

Community Popups (Spring Shindig, Bike Fest)


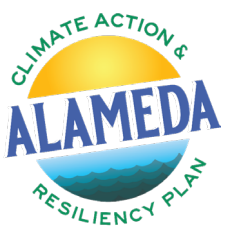
Community Workshops (Tonight!)

Project Timeline



How to Stay Involved

- Project information will be regularly updated on: www.alamedaca.gov/CARP
- To stay up to date on plan progress, please subscribe to the "Environment, Sustainability and Climate Action" mailing list



Sustainability and Resilience News

- [Climate Action, Resilience and Zero Waste Workshop June 25 at Alameda Free Library](#)
- [Alameda is Recruiting a CivicSpark Fellow - Apply Today!](#)
- ["Save the Planet in Your Spare Time" book launch event August 3 at Books Inc.](#)

Climate Action, Resilience and Zero Waste Workshop June 25 at Alameda Free Library

The City of Alameda invites you to a public workshop and open house to give your input on the Climate Action and Resilience Plan (CARP), Local Hazard Mitigation Plan (LHMP), and Zero Waste Implementation Plan (ZWIP) updates. Join to discuss your vision and goals for sustainability in Alameda! [Learn more and register here.](#)

CLIMATE ACTION, RESILIENCE AND ZERO WASTE WORKSHOP

CARP Update

CARP Structure and Definitions



Captures key values and aspirations. Lays the foundation for goals, strategies, and actions

Broad, aspirational statements of what we want to achieve

Approaches that we take to achieve a goal

Specific policies, programs, or partnerships to achieve a strategy

Existing Vision

Alameda will be an innovative leader in achieving net zero carbon emissions and community resilience as soon as possible, and serve as an example that inspires similarly impacted cities to do the same. Our community members will be a vital part of this ongoing process.

Draft Revised Vision

Alameda is an innovative leader in achieving net zero carbon emissions by 2045 and building community resilience to climate change, in ways that reduce disparities and environmental injustices experienced by socially vulnerable communities. Our residents, businesses, community-based organizations, and regional partners are a vital part of this ongoing effort.

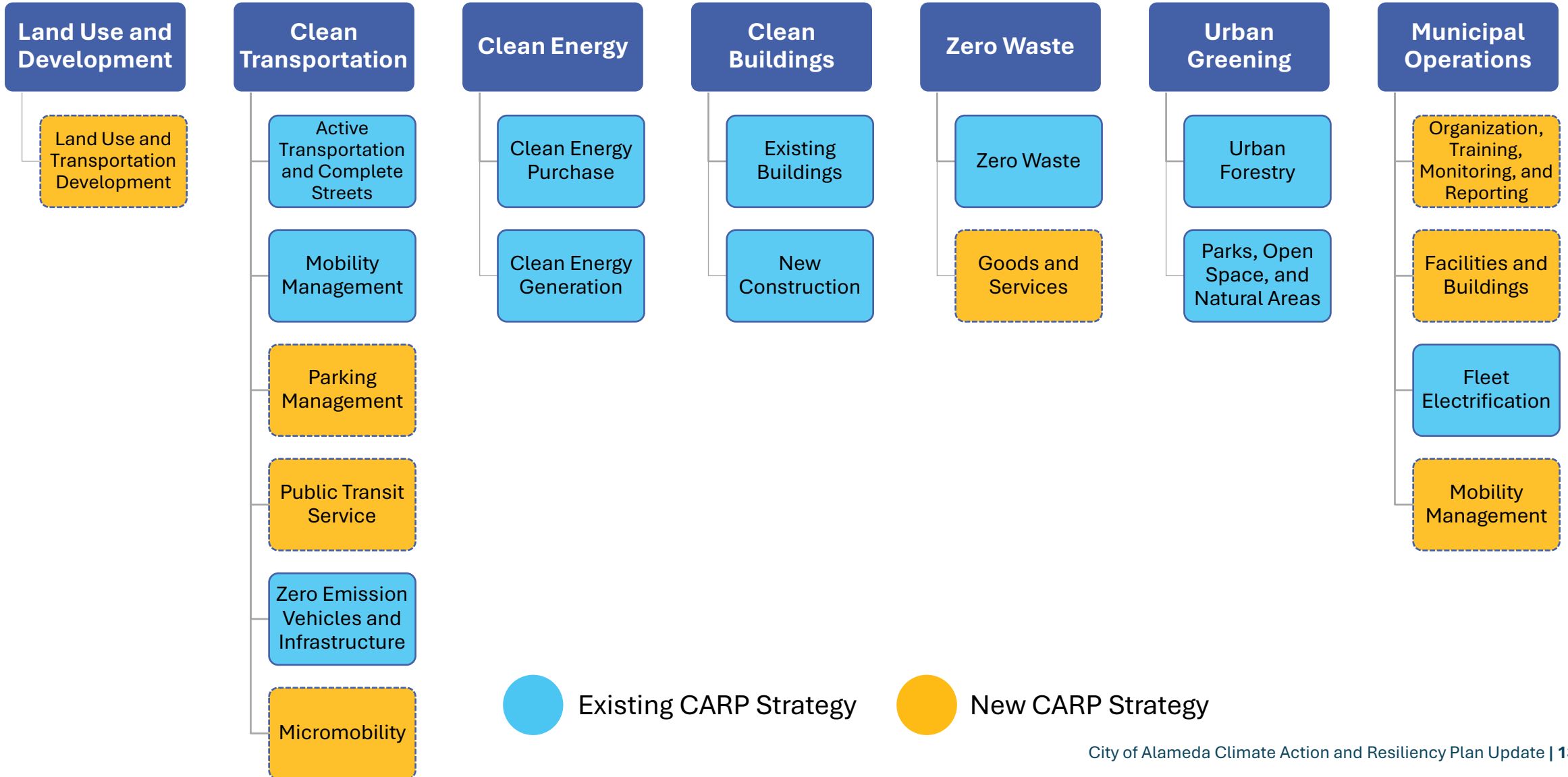
Existing Goals

1. GHG Reduction
2. Sea Level Rise and Storm Surges
3. Inland Flooding
4. Drought
5. Extreme Heat
6. Wildfires
7. Earthquakes and Liquefaction
8. Effective Implementation and Capacity Building

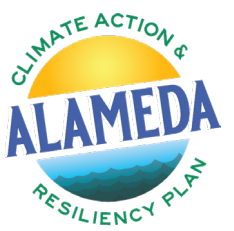
Draft Revised Goals

1. Carbon Neutrality
2. Community Resilience
3. Community Education and Activation
4. City Leadership

Draft Revised GHG Reduction Strategies



Scales of Inventories



Consumption-Based Emissions



● Activities within *and* outside city limits, including imported goods and services

≈ 1,095,431 MTCO₂e

(source: UC Berkeley Cool Climate)

● Activities within city limits, bound by geography

Basis for City of Alameda inventory

≈ 267,894 MTCO₂e

● Activities within the City's control (facilities, operations, maintenance)

Greenhouse Gas Emissions by Sector for 2022

267,894

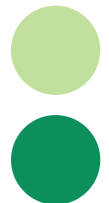
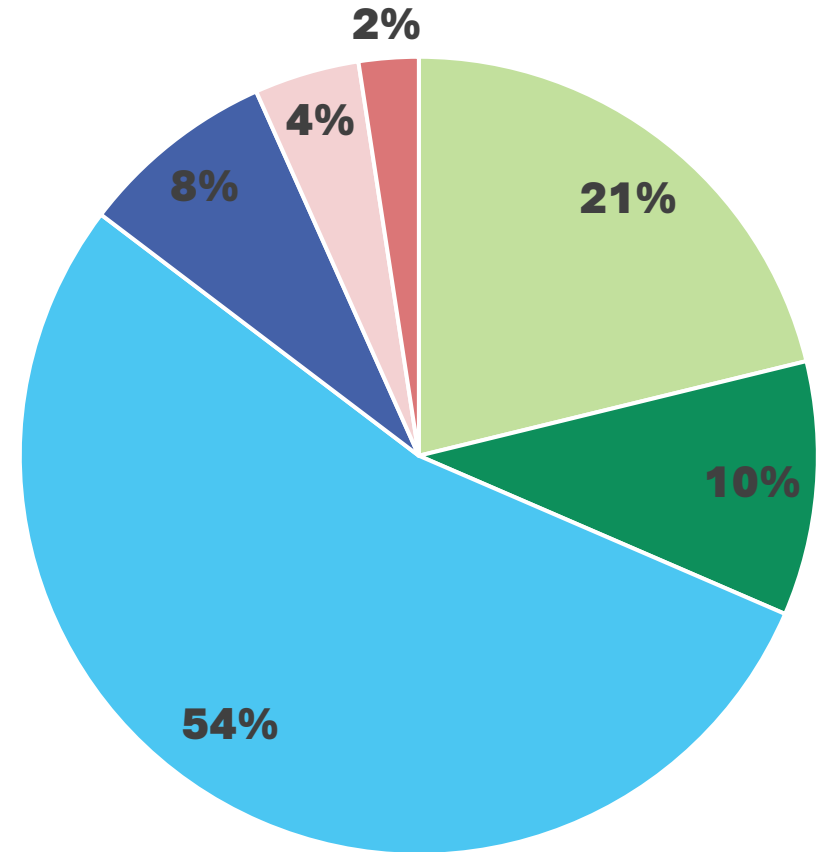
Total MTCO₂e in 2022

3.4

MTCO₂e per Capita

2.4

MTCO₂e per Service Population



Residential energy (natural gas only)



Nonresidential energy (natural gas only)



On-road transportation



Small off-road engines



Solid waste

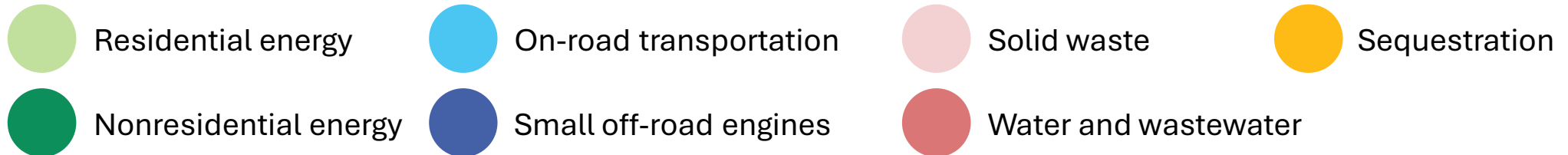
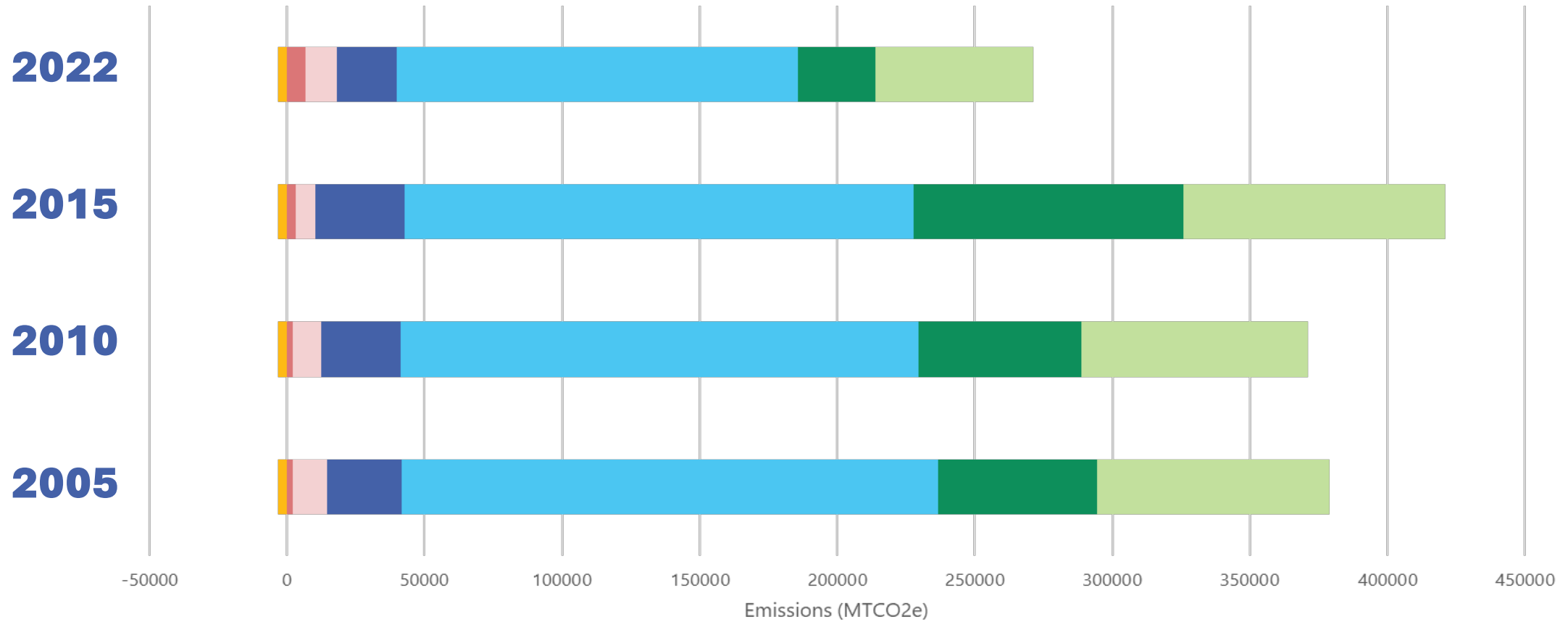
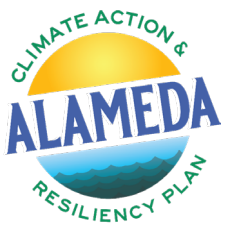


Water and wastewater

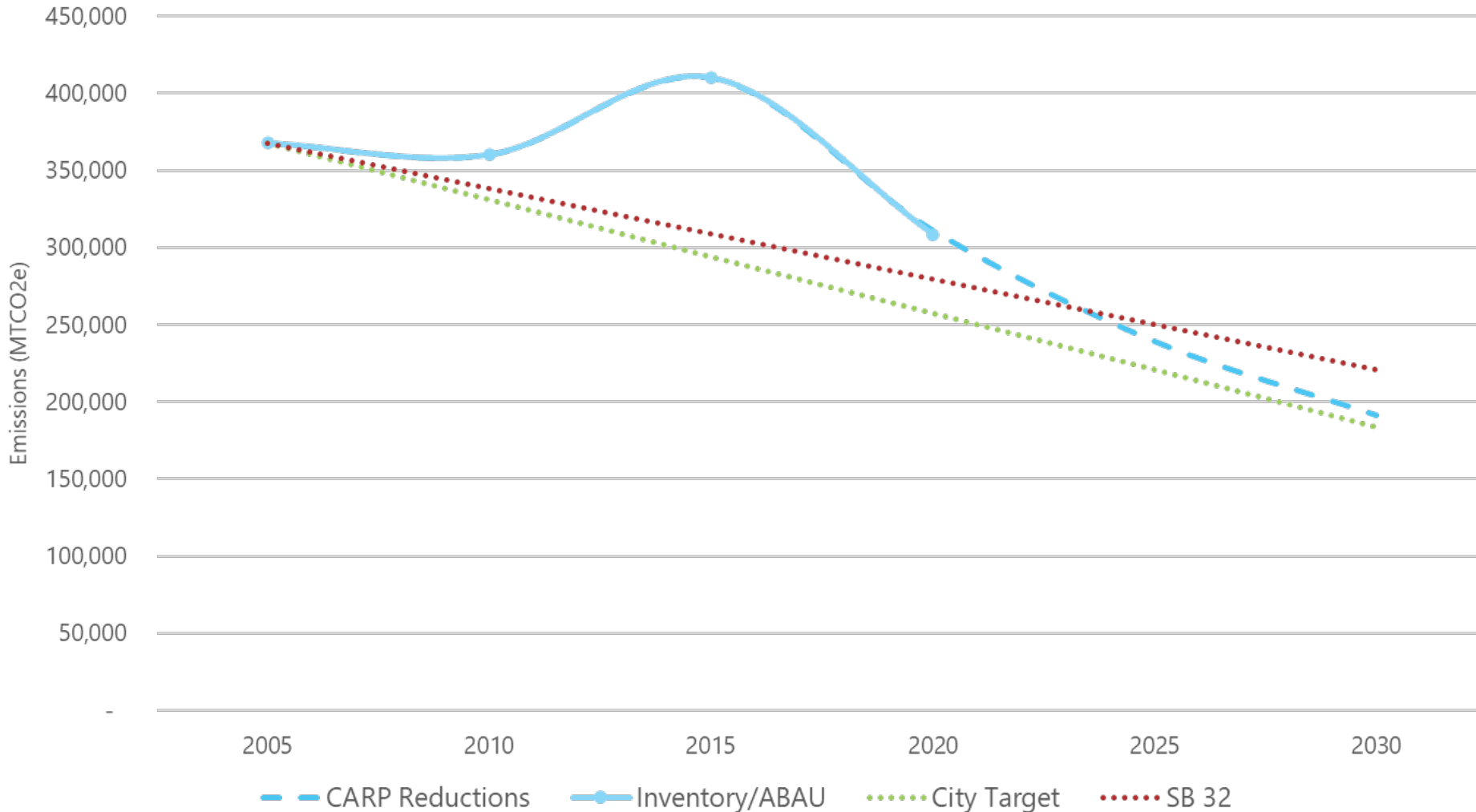


Sequestration credit = 3,270 MTCO₂e

Greenhouse Gas Emissions Over Time (Total)



Greenhouse Gas Emissions Over Time (Total)



-29%
% reduction in MTCO₂e between 2005-2022

-50%
City Goal: % reduction by 2030 compared to 2005

Climate Change Impacts

Adaptation and Hazard Mitigation Plan

- City's Local Hazard Mitigation Plan and is the strategy for mitigating natural hazards and adapting to climate change
- Success of the plan closely tied with our ability to meet our goals to reduce greenhouse gas emissions
- Plan must be updated every five years

www.alamedaca.gov/hazardmitigationplan



OAAC Adapt Engagement Timeline (Near Term Projects)



Two Projects Identified in the CARP

- **Bay Farm Island / Veterans Court**
- **Oakland Alameda Estuary Projects**



- **Develop vision, goals and planning principles**
- **Analyze existing conditions**
- **Explore compound flood hazards (coastal, stormwater, groundwater)**

- **Gather input on preliminary alternatives exploring near-term ideas.**

- **Oakland Alameda Estuary Project advanced from preliminary alternatives to a preferred scheme.**

- **Bay Farm Island advanced from preliminary alternatives to a preferred adaptation concept.**
- **Long-Term Adaptation Project will develop long term adaptation pathways.**

Bay Farm Island

Oakland
Airport

Doolittle Drive

San
Leandro
Bay

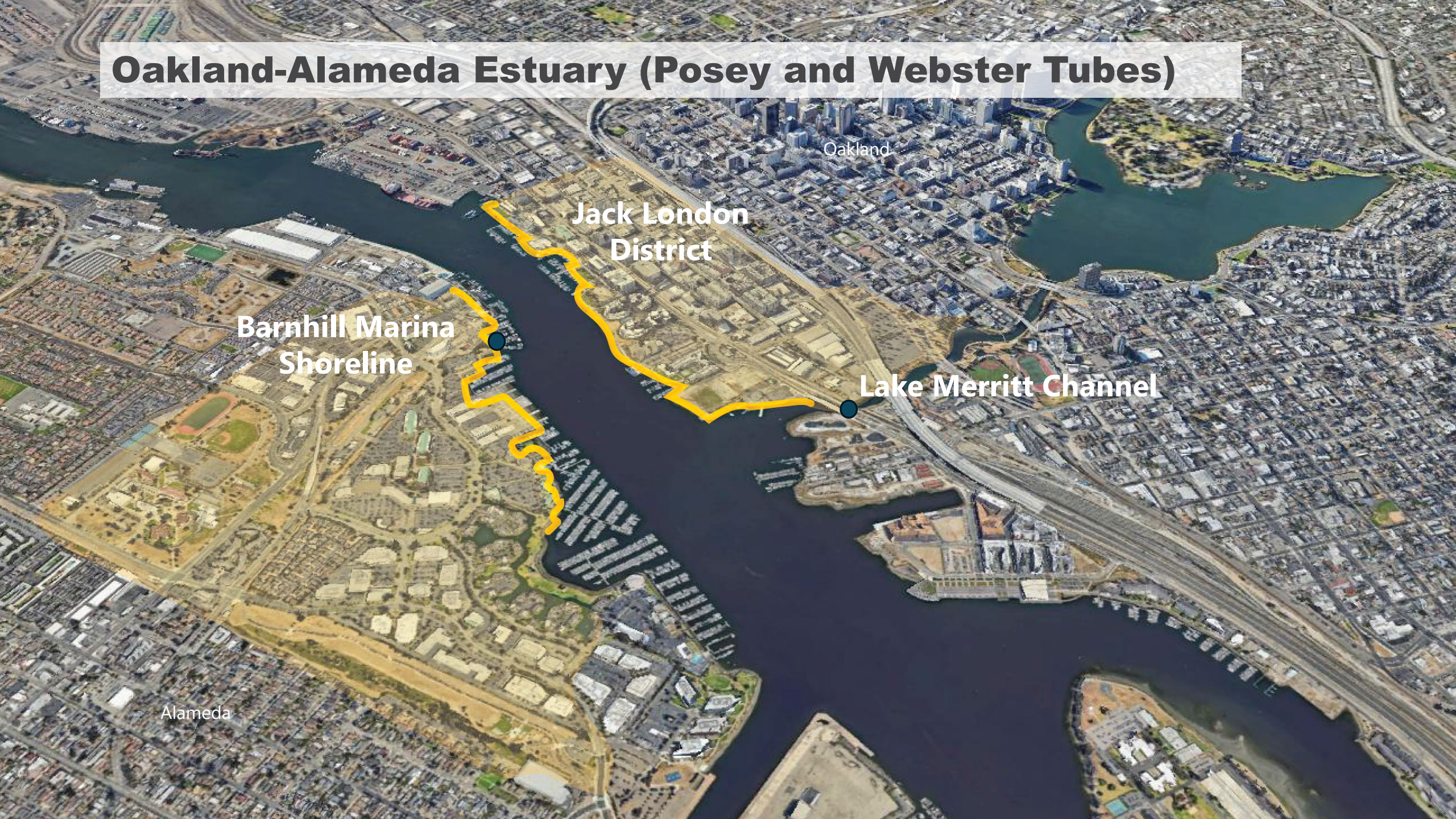
Veteran's Court

Lagoon Outfall

Shoreline Erosion



Oakland-Alameda Estuary (Posey and Webster Tubes)



Oakland

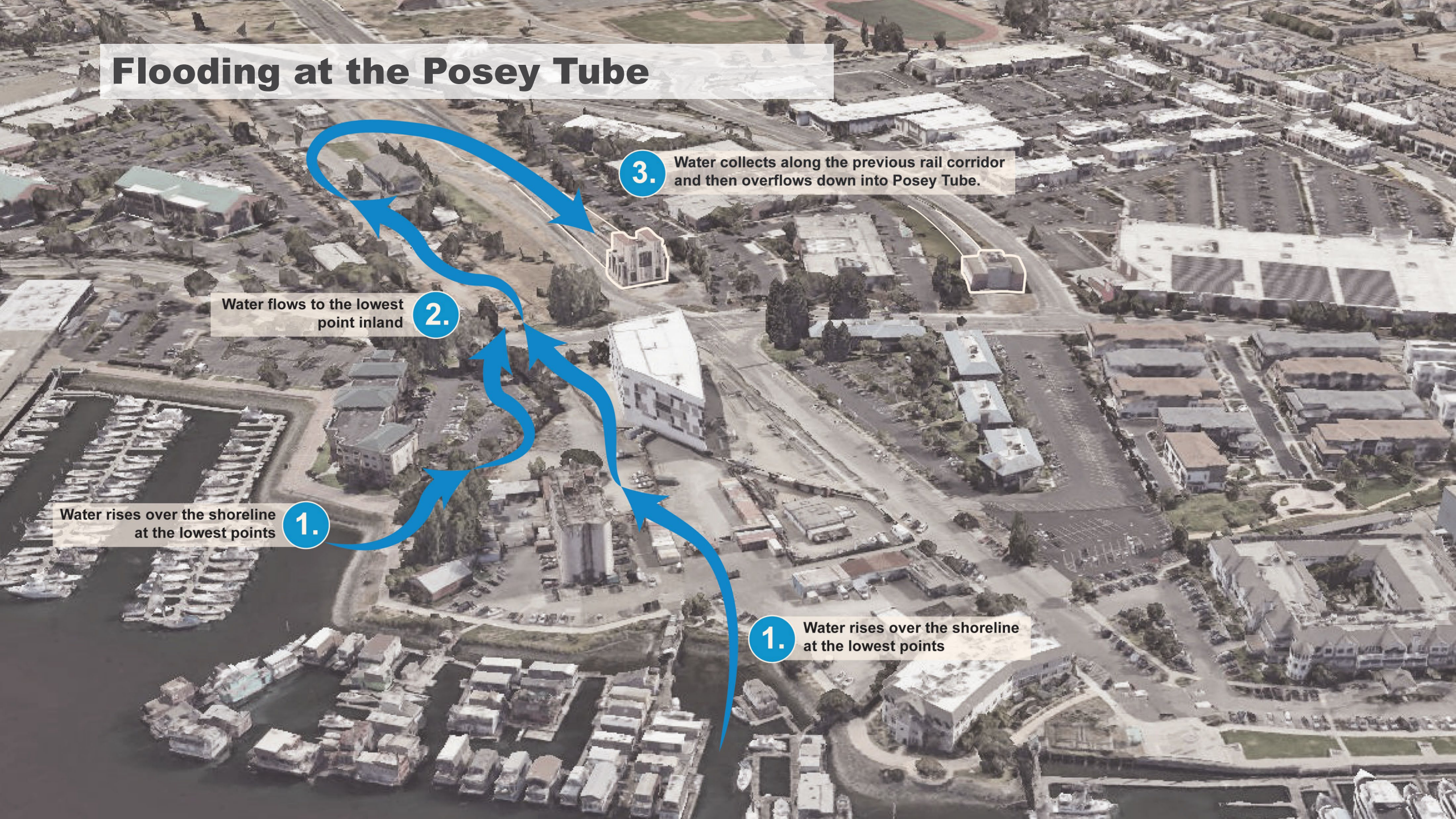
Jack London District

Barnhill Marina Shoreline

Lake Merritt Channel

Alameda

Flooding at the Posey Tube



Water rises over the shoreline at the lowest points

1.

1.

Water rises over the shoreline at the lowest points

Water flows to the lowest point inland

2.

3.

Water collects along the previous rail corridor and then overflows down into Posey Tube.

OAAC Adapt Engagement Timeline (Long-Term Adaptation)



Climate Science and Analysis

Fall 2023 - Spring 2024

- **Develop vision, goals and planning principles**
- **Analyze existing conditions**
- **Explore compound flood hazards (coastal, stormwater, groundwater)**

Strategy Development

Summer and Fall 2024

- **Co-creation with OAAC**
- **Review shoreline characteristics and inland development**
- **Draft strategy development with options**

Public Input and Strategy Refinement

Spring and Summer 2025

- **Gather input on long-term adaptation options and adaptation pathways**
- **Identify next suite of projects to move forward (in CARP / LHMP)**

Plan Completion

Fall 2025

- **Respond to feedback**
- **Finalize plan**

Zero Waste Implementation Plan (ZWIP)

Achieving Zero Waste



The City's 2024
**Zero Waste
Implementation
Plan (ZWIP)**



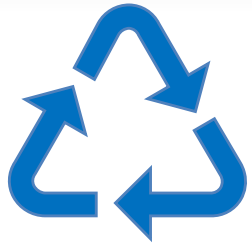
Zero Waste Plan



A successful Zero Waste Plan is one that the City and its communities develop and implement together to achieve a shared vision of sustainability through waste diversion.



Plan Purpose



Zero Waste Goal:

Divert 89% of materials from landfill through reducing, reusing, recycling and composting



Progress:

- First ZWIP adopted in 2010
- Updated ZWIP in 2018
- 2022 diversion was 81%

2024 Plan:



- Recommend new and revised policies and actions to achieve zero waste
- Create a roadmap for the City to reach its zero waste goal



2024 Plan Focus Areas



Behavior
Change



Waste Reduction
Efforts



Reuse



Construction
& Demolition



Ways to Engage



We want your input and ideas on how to improve zero waste efforts in Alameda. Let your voice be heard by:

1. Participating in an upcoming community meeting.
 - Series of 4 meetings to be held in July
2. Attending a focus group discussion.
 - Two focus group discussions held in July
3. Taking our survey (released this July).
4. Contacting allewellyn@alamedaca.gov directly with questions or to learn more.

Bookmark <https://www.alamedaca.gov/zwip> to find the latest news and updates related to the Zero Waste Plan.



Open House Stations

Open House Stations

Greenhouse Gas
Inventory

Revised Vision

Revised Goals

Revised GHG
Reduction
Strategies

Local Hazard
Mitigation Plan

Zero Waste
Implementation
Plan

Rules of Engagement

1. Be a good listener
2. Welcome all viewpoints and value diversity
3. Show common courtesy and respect
4. Share the air
5. Avoid editorials
6. Honor time

