

Alameda CARP 2024 Annual Report

February 2025

In 2024, Alameda made great progress towards implementing CARP goals and achieving the City’s vision of engaging the whole community in becoming carbon neutral and building community resilience in ways that enhance our quality of life and reduce environmental burdens on vulnerable communities.

The CARP Annual Report highlights accomplishments from 2024. It fulfills General Plan Conservation and Climate Action Element requirements for annual public review of the Climate Action and Resiliency Plan and Climate Adaptation and Hazard Mitigation Plan. It also tracks progress on climate action and resilience related actions in the City Council Strategic Plan (2023). These plans set ambitious goals to conserve and protect Alameda’s natural resources, reduce the community’s greenhouse gas emissions and energy use, promote sustainability, and prepare for and address the wide range of impacts from climate change.

2024 By the Numbers

- City staff participated or presented at **35** public workshops, events and community meetings.
- OAAC Partners conducted **40** focus group meetings, **16** committee meetings, and **3** rounds of workshops for Sea Level Rise Adaptation Projects.
- **16** email bulletins sent with **25,393** delivered and a **60%** average unique email open rate.
- **2.3** miles of bikeway constructed in 2024, with **13.1** miles constructed since 2019.
- **205,823** free bus pass boardings, a **45%** increase from 2023.
- An **8%** increase in AC Transit average weekday boardings since 2023 and **36%** increase since 2021.
- **10** new public EV chargers at business and government locations.
- **8.9%** of all vehicles registered in Alameda were electric, plug in hybrid or fuel cell vehicles in 2023, up from 2.3% in 2017.
- **501** electrification rebates and **6** new electrification programs launched by AMP.
- **200** attendees at the City’s first Home Electrification Fair.
- **8,090** unique page views on **11** sustainability and resilience webpages. Top webpages that received the most unique page views in 2024:
 1. [Climate Action and Resiliency Plan](#)
 2. [Oakland Alameda Adaptation Committee](#)
 3. [Urban Forest Plan](#)
 4. [Electric Vehicles and E-bikes](#)
 5. [Climate Adaptation and Hazard Mitigation Plan](#)

CARP Dashboard

Staff is developing an interactive dashboard where the public can view a summary of the 2025 CARP and track progress on all the CARP related targets and metrics. Visit www.alamedaca.gov/CARP to review the dashboard in early 2025.

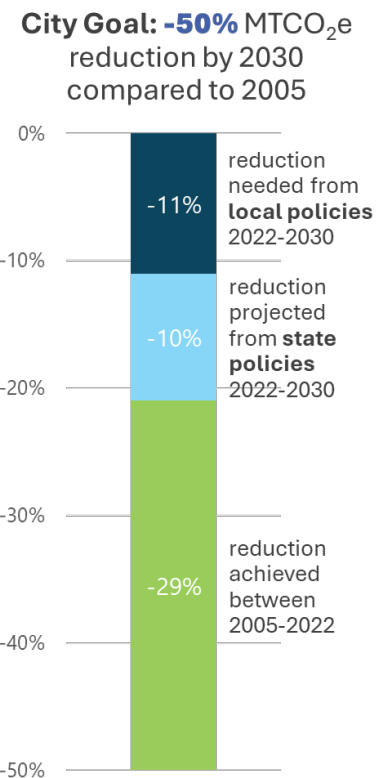
City Leadership

CARP and Hazard Mitigation Plan Update

The CARP underwent its first comprehensive update that includes the updated CARP vision and goals, updated GHG mitigation measures (which are reorganized into GHG action plans), and updated hazard mitigation and CARP resilience measures, which are now housed in the Hazard Mitigation Plan. The update supersedes the 2019 CARP and 2022 Hazard Mitigation Plan. The Hazard Mitigation Plan outlines immediate, near-term, and mid-term location-based priority strategies to respond to flooding and sea level rise. Read the 2025 CARP at www.alamedaca.gov/CARP.

The plan update was led by an interdepartmental green team with significant community engagement through a community survey, public workshops, presentations to community organizations, tabling at community events, and engagement with the Alameda Chamber of Commerce Leadership Academy.

The Greenhouse gas inventory conducted as part of the CARP update shows that the City is on track to meet our emissions reduction goals of achieving a 50% reduction below 2005 levels by 2030, largely as a result of Alameda Municipal Power (AMP) delivering 100% clean electricity. Key findings from the inventory show:



- 2022 GHG communitywide emissions decreased 29% from 2005 levels despite population and job increases, totaling 267,894 metric tons of carbon dioxide equivalent (MTCO₂e).
- Energy emissions decreased 40% since 2005, mainly due to 100% clean electricity provided by AMP.
- Transportation emissions fell 25% since 2005 due to cleaner vehicles and equipment, and a 6% reduction in vehicle miles traveled (VMT).
- Emissions share by sector has remained relatively constant: transportation (62%), natural gas use in buildings (31%), solid waste (4%) and water (2%).
- Projected emissions, adjusted for State policy, are projected to decrease an additional 10% from 2022 to 2030. To meet CARP targets, an additional 11% emissions reduction is needed from local policies.

- Consumption-based emissions in 2015 (the latest year data is available) were approximately 1.1 million MTCO₂e. This higher total is due to inclusion of activities within and outside City limits such as air travel, imported foods and goods, services, and construction.

Clean Electricity

AMP has been providing 100% clean electricity to all customers since 2020. In 2023, 64% of AMP’s power mix comes from eligible renewable resources, including: geothermal, biomass (landfill gas), small hydroelectric, and wind. An additional 36% of the power mix comes from large hydroelectric projects in California. View AMP’s Power Content Label to learn more: www.alamedamp.com/336/Power-Content-Label.

Community Activation and Education



Youth Community Service

Knowing that youth have community service hour requirements that must be fulfilled, the Sustainability Division summer high school intern surveyed students on how they would most like to spend their community service hours helping the environment in Alameda and created a flyer highlighting the top options to distribute to students and student groups in Alameda.

Alameda Youth Climate Ambassadors

Based on the recommendations of the Sustainability Division summer high school intern to help the City engage deeper with climate-interested youth, staff launched Alameda Youth Climate Ambassadors for youth representing environmental clubs at Alameda middle and high schools. Meetings will occur every two months during the school year to help student climate clubs learn about how to get involved in City climate action work, activate the broader student community, and provide a platform for student climate clubs across Alameda to exchange ideas and share resources. The Ambassadors are learning about different CARP topic areas at each of their meetings and planning an Earth Day event at the Spring Shindig.

Alameda Chamber Leadership Academy

To support the CARP update, staff partnered for the second year with the Alameda Chamber of Commerce & Economic Alliance’s Leadership Alameda, which aims to help professionals across different industries to become future leaders in the Alameda community. Leadership Alameda participants supported the CARP update by engaging in two focus group work sessions to provide input on the CARP update and by leading group projects focused on implementation of key CARP strategies.



Earth Month 2024

In Alameda, every day is Earth Day. But in recognition of Earth Day in April, staff created a poster that was distributed to many local businesses and community locations highlighting the various environmental programs happening in Alameda and provided the community with many opportunities to learn more about sustainability and climate action.

Transportation

Public EV Charging

Staff is launching a pilot program to expand EV charging availability across the city by deploying public EV charging at City owned parking lots and in the public right-of-way in a two-phase process. The first phase will roll out in 2025 with provider It’s Electric deploying up to 10 curbside chargers in the public right of way, in multi-family and mixed-use neighborhoods and adjacent to Alameda Housing Authority and Alameda Unified School District (AUSD) properties. For public parking lots, Blink Charging is deploying up to 14 charging ports in four public parking lots in the first phase. Staff is seeking additional funding to expand the program to a second phase with up to 20 additional curbside chargers and 34 additional ports in eight public parking lots.



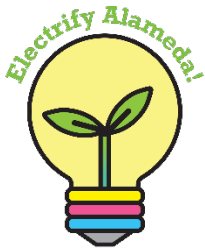
AMP Clean Transportation Programs

AMP continues to offer clean transportation programs for customers, including incentives focused electric vehicles, e-bikes and the building out of EV charging infrastructure. In 2024, AMP launched a multi-family EV charging technical assistance program to provide technical assistance with planning and designing EV charging projects at no cost for multifamily properties in Alameda’s equity priority areas. Visit www.alamedamp.com to learn more about AMP’s rebates and programs.

Transportation Plans and Programs

View the 2024 Transportation Annual report to learn more about the City’s accomplishments related to implementing the Active Transportation Plan (2022), Vision Zero Action Plan (2021), and Transportation Choices Plan (2018).

Buildings and Energy



Electrify Alameda

Staff partnered with Alameda High School media students to create a logo for an Electrify Alameda campaign to encourage switching appliances and vehicles in Alameda to ones that run on clean electricity. The campaign encompasses the work of the City of Alameda, Alameda Housing Authority and Alameda Municipal Power.

Home Electrification Fair

Alameda held its first annual Home Electrification Fair at Faction Brewing in March 2024. Approximately 200 attendees met with contractors and suppliers to learn about switching from gas to electric appliances and available rebates and tax credits. The free fair was organized by City of Alameda and AMP with CASA and Citizen’s Climate Lobby. The City plans to have another electrification fair in 2025 with additional vendors and more information for residents.



Reduced Fees for Electrification Permits

The City of Alameda updates building permit fees annually to reflect Consumer Price Increases (CPI), capped at 5%. In 2024, as part of the Master Fee Schedule update, City Council approved keeping permit fees for electrification related permits and residential seismic upgrades flat to further encourage switching gas appliances such as stoves, furnaces, water heaters to electric.

AMP Home Electrification Programs

In 2024, AMP launched six (6) new electrification programs for multi-family properties, induction cooktop incentives, a socket splitter rebate, a commercial HVAC electrification rebate, electrification education opportunities, and a new technical assistant program for non-profit organizations.

AMP customer programs also integrate equity components for the hardest to reach customers and take an active role in the Alameda community through various outreach events, social media engagement, and workshops. The Customer Programs team provides a diverse suite of electrification measures to assist customers to fully electrify their homes and businesses.

Waste



Zero Waste Implementation Plan Update

Public Works is updating the City’s Zero Waste Implementation Plan (ZWIP) with the goals of:

1. Reducing the overall solid waste generated within the city
2. Reducing the quantity of solid waste generated per person within the city
3. Increasing the quantity of recyclable and compostable materials diverted from landfills
4. Supporting efforts to build the environmental and social costs into the price of products and packaging and requiring manufacturers to take back products at the end of their useful lives.

The objective of the update is to further integrate zero waste within the Alameda community and into City plans and policies to create a holistic, integrated, long-term plan for Alameda, with a focus on moving beyond diversion to sustainability. Visit www.alamedaca.gov/CITYWIDE-PROJECTS/Zero-Waste-Implementation-Plan-Update to learn more.

Edible Food Recovery, Compost and Mulch



Public Works Zero Waste staff completed final reporting of Alameda’s first Senate Bill (SB) 1383 local assistance grant from CalRecycle. SB 1383 requires California cities to recover edible food and purchase recovered organic materials (compost and mulch). The grant supported various efforts to purchase and apply compost locally, including purchasing equipment to spread materials in Alameda’s public parks and

spaces, compost for the free compost giveaway at the Compost Hub and funding of the Council approved broker agreement to place additional compost outside the City. As a result of these efforts, Alameda is in full compliance with SB 1383 requirements.

Hosted by Alameda Maker Farm and Farm2Market, the Alameda Community Compost Hub in partnership with StopWaste provides free compost to Alameda residents using supplies provided by the City of Alameda. Visit bayareamaker.farm/projects/compost-hub.

Urban Greening



Urban Forest Plan

The City of Alameda manages 25,962 park and street trees, consisting of 353 different species. The citywide tree canopy cover is 11.2%. In 2024 the City developed a draft Urban Forest Plan which will update the City’s existing Street Tree Master Plan and expand the scope to include all trees within Alameda. The Urban Forest Plan is intended to be strategic in advancing social equity and contributing to an improved quality of life by providing the benefits of the urban tree canopy to all community members. The update process included extensive community

engagement and draft plan was made available to the public for review in January 2025. Public comments will be incorporated into a final draft for Council approval in Spring 2025. Learn more at www.alamedaca.gov/UFP.

In 2024, Public Works planted 50 street trees and ARPD planted 66 trees at Main St Linear and Leydecker parks ARPD plans to expand the volunteer tree planting program in 2025.

Sea Level Rise Adaptation

Oakland Alameda Adaptation Committee (OAAC)

Since 2021, the City has been leading the Oakland Alameda Adaptation Committee (OAAC) to plan for sea level rise adaptation in the Oakland-Alameda subregion. The OAAC Project Partners - including the paid Community Partners - engaged community members as follows:

- Facilitated 10 committee meetings for both the BFI and Estuary projects and 6 Alameda beaches committee meetings.
- Participated in 25 events with tabling and information materials.
- Held 7 steering committee meetings and 4 full OAAC meetings.
- Conducted 40 focus group meetings with key stakeholders including adjacent property owners and community members.
- Lead 3 rounds of workshops in May, August and December 2024.
- Created frequently asked questions ([FAQ](#)).
- Distributed materials via email lists, social media, in-person, local print publications and paid advertisements.



- Presented at Transportation Commission (November 2024), Planning Board (December 2024), Commission on Persons with Disabilities (January 2025) and City Council (February 2024 and January 2025).

Visit www.alamedaca.gov/OaklandAlamedaAdaptationCommittee. OAAC is currently leading three funded sea level rise adaptation projects as shown below.

Subregional Adaptation Plan



OAAC partners are developing a Subregional Adaptation Plan to protect the Oakland-Alameda subregion from near- and long-term sea level rise and associated shoreline hazards. In December 2024, the San Francisco Bay Conservation and Development Commission (BCDC) adopted Regional Shoreline Adaptation Plan guidelines for local jurisdictions to follow when developing subregional adaptation plans per Senate Bill 272 (Laird 2023). OAAC partners plan to complete the first phase of the Subregional Adaptation Plan with additional community outreach in 2025. This initial effort is funded by the National Fish and Wildlife Foundation and the San Francisco Estuary Partnership. Additional

funding that the Port received from Caltrans and an SB1 grant, which is pending, will further compliance by the 2034 BCDC deadline. Webpage: www.alamedaca.gov/AdaptationLongTermPlan

Bay Farm Island Adaptation Project

In January 2025, City Council approved a 10% design concept for the northern shoreline of Bay Farm Island developed with funding from the FEMA Legislative Pre-Disaster Mitigation Grant Program provided by U.S. Congresswoman Barabra Lee. The project includes up to 30% design for the northern shoreline near-term project and a long-term adaptation plan for the entire BFI. The near-term design concept includes a levee to reduce coastal flooding, Bay Trail enhancements, nature-based solutions to reduce erosion and to improve marshes and beach habitat, tide



gate and pump station replacements and storm drain modifications. The concept will shorten Veterans' Court and will allow for 20-25 parking spaces, a levee and an enhanced marsh. Funding will allow the OAAC partners to reach 30% design by mid-2025 with additional community outreach by paid community partners. Together with the City and Port of Oakland, Caltrans and East Bay Regional Parks District, the City submitted a \$55.5 million FEMA BRIC grant in 2024 to complete the environmental clearance, permitting, design and construction. The request is currently being reviewed by FEMA. Webpage:

www.alamedaca.gov/AdaptationBayFarmIsland

Estuary Adaptation Project



In January 2025, City Council approved a 10% design concept developed with funding from Caltrans to protect Downtown Oakland/Jack London District and the City’s northern shoreline near the Posey/Webster Tubes from sea level rise and flooding. The concept includes both coastal and inland recommendations. The coastal recommendations include levees, seawalls and redevelopment at higher elevations between Bohol Circle Immigrant Park at Alameda Landing and Shoreline Park at Marina Village. The inland concept includes green and grey detention basins to improve Alameda’s northside stormwater drainage for today’s volumes with added capacity as precipitation increases. More funding will be needed for environmental clearance, permitting, design and construction. The Oakland-Alameda Estuary project is included in the 2024 Water Resources Development Act (WRDA) legislation totaling \$30 million, which will need a second step of appropriation to

obtain these funds for both the Oakland and Alameda sides of the estuary. Webpage:

www.alamedaca.gov/AdaptationEstuary