

CLIMATE ACTION & RESILIENCY PLAN ANNUAL REPORT 2021

Transportation Commission

Jan. 27, 2021



Climate Action & Resiliency Plan (CARP): overview and timeline

- Framework for climate action and resiliency
 - Establishes goals and vision
 - Created emissions target and defined actions to reach target
 - Assessed citywide vulnerabilities
 - Climate hazards, ex. flooding
 - Identified actions to address climate vulnerabilities and build resilience
- Feb 2008: Local Action Plan for Climate Protection (climate adaptation not considered)
- Dec 2017: City Council referral to develop Climate Action & Resiliency Plan (CARP)
- Apr 2018: Work on CARP commences
- Mar 2019: Climate Emergency Declaration
- Sep 2019: CARP adopted by City Council



CARP Goals and Vision

Vision statement:

Alameda is an innovative leader in achieving net zero carbon emissions and community resilience as soon as possible, and serves as a model for similarly impacted cities to do the same. Our community members are a vital part of this ongoing process.

Goals

1. GHG reduction: Reduce emissions to 50% below 2005 levels by 2030.
2. Climate adaptation: shoreline flooding, inland flooding, groundwater flooding, drought, extreme heat, hazardous air quality, and earthquakes/liquefaction.
3. Effective implementation and capacity building.



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Social equity

Social equity in the CARP

- Three pillars of sustainability: economy, environment, equity
- Equity considered when assessing impacts of climate change, weighing costs and benefits of proposed City actions, and prioritizing projects
- Examples: multi-lingual outreach, used EV rebate, bus line g6 expansion

Social Vulnerability Assessment

- Geographic analysis: concentration of socioeconomic indicators that affect vulnerability to climate hazards.
- Used in Active Transportation Planning process



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GHG reduction

What we've done

- Expansion of free bus passes
- Alameda Municipal Power (AMP) launched a used electric vehicle rebate program
- Conversion of ARPD leaf blowers to all electric
- Increased the size of heat pump water heater rebates
- Planted 338 trees on city-owned land

What we're planning

- Finalize City-ACI franchise agreement
- Launch citywide Master Tree Plan process
- Require new residential construction to be all-electric
- Complete Active Transportation Plan
- Launch rebates for commercial and residential electric panel upgrades



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Adaptation

What we've done

- Completed a study of citywide vulnerability to groundwater flooding
- Completed concept-level planning for De-Pave Park
- Updated the Master Infrastructure Plan for Alameda Point to incorporate CARP goals and projects
- Completed preliminary design for the flood protection project at Veteran's Court

What we're planning

- Complete project design for Veteran's Court flood protection project
- Seek placement of revenue measure on 2022 ballot
- Secure grant funding and complete project design for the Northern Shoreline Adaptation project.

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Partnerships

- Task Force: representatives from Boards and Commissions, neighborhood groups, environmental groups, business community
- Community groups: CASA, Bike Walk Alameda, Alameda Backyard Growers
- Agencies: BCDC, Caltrans, Port of Oakland, Stopwaste, EBRPD, AUSD
- Best practice networks: BayCAN, CHARG, Floodplain Management Association, USDN, Stopwaste TAG, Climate Emergency Task Force



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Priorities for 2021

GHG Reduction

- Electrification of existing buildings
- Active Transportation Plan
- Parking ordinance amendments

Adaptation and resilience

- Groundwater adaptation strategies
- Flood protection projects

Capacity building

- General Plan update
- Reconvene interdepartmental Green Team
- Revenue measures and climate communication



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CARP and Transportation Commission

Ideas for consideration and future discussion

- Continue application of equity framework in transportation planning and projects, expand partnership with City Manager's Office.
- Explore further expansion of EasyPass program. 2022 ballot measures could potentially support funding.
- Closer partnership with City Manager's Office on metrics and data sharing.

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Recommendation

Accept the 2020 CARP Annual Report



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