

# CLIMATE ACTION & RESILIENCY PLAN ANNUAL REPORT 2020

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City Council

Mar. 17, 2020



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

- Framework for climate action and resiliency
- Establishes goals and vision
- Gap analysis
  - Reduce emissions by 2030
  - What it takes to get there
- Considered 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

Mar 2020: First CARP Annual Report



# 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.



# 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 96 expansion

## Social Vulnerability Assessment

- Geographic analysis: concentration of socioeconomic indicators that affect vulnerability to climate hazards.
- To be used in Active Transportation Plan



# GHG reduction

## What we've done

- Alameda Municipal Power (AMP) is providing 100% clean power
- Constructed new bike lanes
- Started Active Transportation Plan
- Incentivized energy efficient windows and doors for climate-friendly building retrofits
- City Council passed resolution for all-electric development on City-owned lands

## What we're planning

- Provide rebate program for used EVs (AMP)
- Synchronize traffic signals
- Begin planning process for citywide Master Tree Plan
- Reduce commute vehicle miles travelled (VMT) by promoting telecommuting
- Seek greater integration among climate-related plans (AMP, TCP, CARP).



# Adaptation

## What we've done

- Alameda property owners passed a Water Quality and Flood Protection fee
  - Provides ongoing revenues for operations and capital projects
- Completed the City's first Green Infrastructure Plan
- Drafted Environmental Annex to the Emergency Operations Plan
  - Defines protocols for City actions in case of extreme heat, extreme cold, and hazardous air quality

## What we're planning

- Complete study on emergent groundwater
- Engage stakeholders on the high-priority flooding locations
- Obtain funding for construction of levee or equivalent flood protection at Veteran's Court
- Complete update of Master Infrastructure Plan for Alameda Point
- Develop framework for considering social equity in climate adaptation planning

# Communications plan

- Comprehensive approach to outreach and community engagement for climate-related initiatives
- Communications plan will make use of City website, social media, public-facing dashboard, and in-person outreach and engagement
- Many climate areas will be addressed, including transportation, housing, hazard preparedness, etc.



# 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





# Metrics & dashboard

[insert link to Dashboard]



# Budget & funding

- There are 100s of millions of dollars in infrastructure needs to address flooding risk
- The new Water Quality and Flood Protection fee will support some smaller flood-protection projects
- Communications plan (likely funding request mid-cycle 2020)
- Staff intends to develop a more comprehensive funding plan in 2020



# Next steps

- Detailed next steps in appendix to the Annual Report
  - 200+ actions in CARP total; not all have next steps identified
- Staff continue to look for early wins while building momentum on longer-term, more complex projects
  - Near term: Sustainability Manager, communications plan, tree plan
  - Medium term: Veteran's Court
  - Long term: groundwater rise and Doolittle Drive
- Position request for new Sustainability/Resilience Manager



# Recommendation

*Accept the 2020 CARP Annual Report*

