

# CLIMATE READY FREMONT

*Fremont's pathway to a low-carbon, sustainable, and resilient future*

PUBLIC DRAFT

JUNE 20, 2023

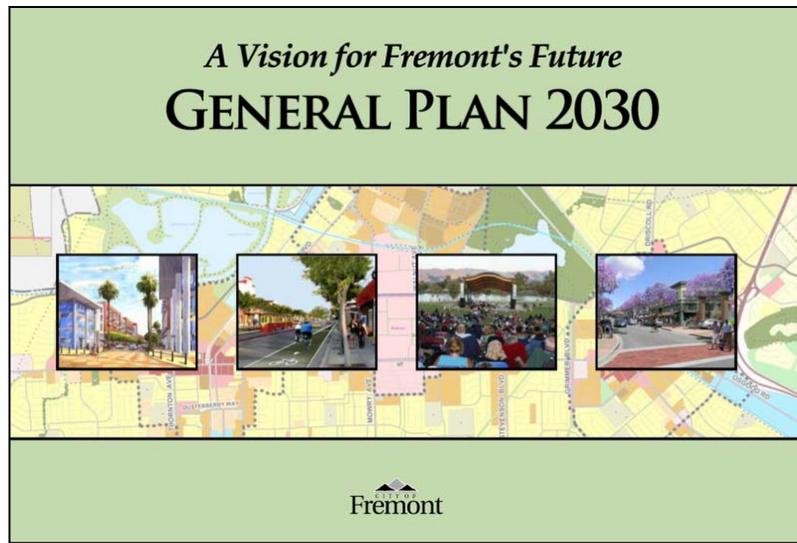


# Background on Climate Action Planning

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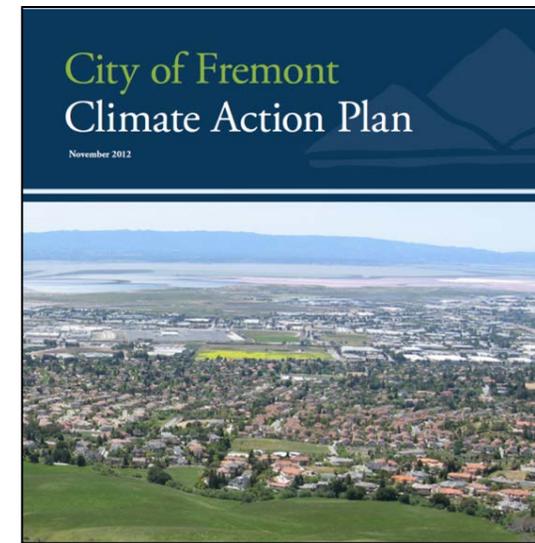
## GENERAL PLAN VISION (2011)

Transition from an auto-oriented suburb into a sustainable, strategically urban, modern city.



## CLIMATE ACTION PLAN (2012)

Achieve a **25%** GHG emissions reduction **by 2020** from a 2005 baseline emissions level.



# Alignment With Established Targets

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## CARBON NEUTRALITY RESOLUTION (2019)

Achieve a **55% GHG reduction by 2030** & **carbon neutrality (net zero GHGs) by 2045**.



## ALIGNMENT WITH CALIFORNIA POLICY

- **EO S-3-05 (2005):** Reduce statewide GHGs to 1990 levels by 2020 and 80% below 1990 levels by 2050
- **AB 32 (2006):** Gives CARB regulatory authority to achieve GHG reduction targets for 2020
- **SB 32 (2016):** Reduce statewide GHGs 40% below 1990 levels by 2030
- **AB 1279 (2022):** Achieve net zero GHGs no later than 2045; reduce anthropogenic GHGs by at least 85% by 2050.

# Development of *Climate Ready Fremont*

## WHO WE HEARD FROM »»

515 event participants



145 online community forum participants



21 stakeholder group mtgs



## WHAT WE HEARD »»



### Energy and Buildings

- Shift equitably to 100% renewable energy
- Promote onsite solar photovoltaics and energy storage



### Land Use and Mobility

- Install EV charging infrastructure
- Implement regional transit
- Support low-carbon development



### Natural and Urban Landscapes

- Sequester carbon locally
- Stimulate local urban farming
- Promote nature-based shoreline resilience



### Materials, Water, and Waste

- Decrease packaging waste
- Increase stormwater capture and water reuse
- Promote material reuse and sharing of materials



### Health and Resiliency

- Reduce urban heat island effect
- Protect against climate-related disasters
- Expand climate emergency preparedness education

# Key Stakeholders Engaged in the Process

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## ➤ **City Divisions/Departments:**

Economic Development, PW-Transportation, PW-Maintenance, CS-Environmental Services, CS-Parks Planning & Design, CS-Parks Maintenance, CS-Urban Forestry, Fire-Emergency Services, Finance, CD-Planning, Human Services

## ➤ **Boards, Commissions & Committees:**

Environmental Sustainability Commission, Economic Development Advisory Committee, Recreation Commission, Planning Commission, Human Relations Commission, Youth Advisory Commission, COF/FUSD Liaison Committee

## ➤ **Business & Development Community:**

Fremont Chamber of Commerce, Facebook, Seagate Technology, Delta Electronics, ALOM Technologies, Boehringer Ingelheim, Mynt Systems, Midpen Housing, Bay East Association of Realtors

## ➤ **Environmental Groups, CBOs, & Youth:**

FIERCE, LEAF, Tri-City Ecology Center, Ohlone Audubon Society, Sierra Club, Greenbelt Alliance, Bike Fremont, Tri-City Interfaith Council, Boy Scouts, Girl Scouts

## ➤ **Local/Regional Agencies:**

Alameda County Water District, Fremont Unified School District, East Bay Community Energy, PG&E, StopWaste, Bay Area Air Quality Management District

# *Climate Ready Fremont Vision & Objectives*

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Fremont is a healthy, safe, and livable climate ready community that provides for economic and social opportunity across all ages, cultures, and abilities through equitable, resilient, and adaptive technologies, infrastructure, policies, and programs.



1) to reduce GHG emissions from local activities to achieve GHG reduction targets

2) to build community resilience to prepare for and adapt to the impacts of climate change

# Goals of *Climate Ready Fremont*

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## 1. **Climate Change Mitigation:**

Quantified GHG mitigation measures provide a pathway for achieving 2030 targets

## 2. **Climate Change Adaptation & Resiliency:**

Additional adaptation and resiliency measures enhance Fremont's ability to respond and adapt to current and future effects of climate change (i.e. droughts, flooding / storm surges, sea level rise, extreme heat and extreme cold, wildfires, loss of biodiversity, etc.)

## 3. **CEQA Streamlining for Development Projects:**

Discretionary projects can show consistency with GHG reduction measures in *Climate Ready Fremont* and tier from/incorporate by reference *Climate Ready Fremont's* programmatic review of GHG impacts in their cumulative impact analyses.

# Organization of *Climate Ready Fremont*

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**Snapshot:** Executive Summary

**Chapter 1:** Introduction

**Chapter 2:** Greenhouse Gas Emissions Inventory, Forecasts, & Targets

➤ *Presents a long-term emissions forecast if no new climate action is taken by 2045*

**Chapter 3:** Climate Ready Strategies & Measures

➤ *Presents a mid-term GHG reduction roadmap for achieving Fremont's 2030 goals*

**Chapter 4:** Implementation and Monitoring

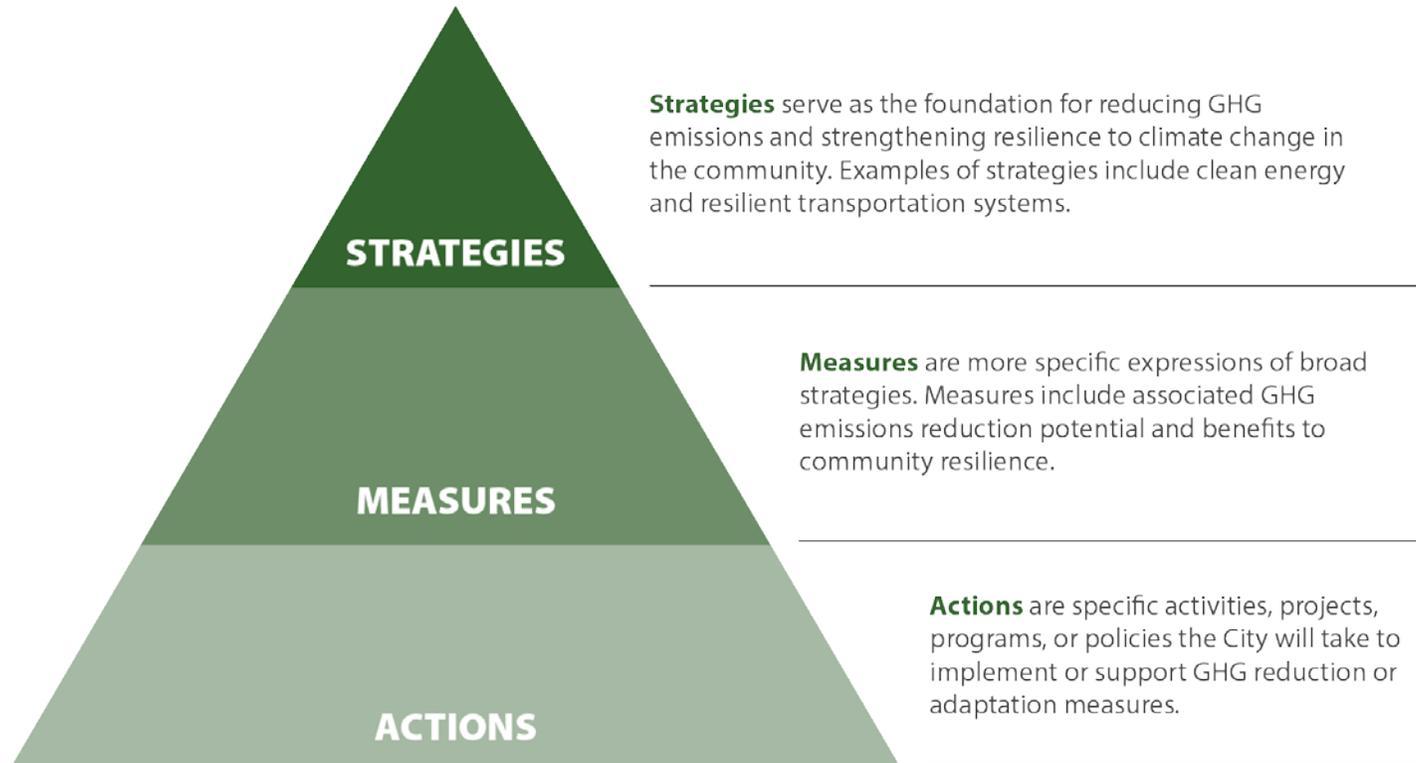
➤ *Presents a short-term implementation plan of priority actions for the next 3 years*

**Appendices:**

- *GHG Inventory & Forecast Memo*
- *Measure List & GHG Quantification Memo*
- *Municipal GHG Inventory, Forecasts, and Measure Quantification Memo*

# Structure of *Climate Ready Fremont*

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# Co-Benefits of *Climate Ready Fremont*

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# The “Game Plan” Priority Actions

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## ➤ Community-Level Actions within the first 3 years of plan:

- Opt-up all residents and businesses to EBCE’s Renewable 100 rate plan
- Require new residential & nonresidential developments to be all electric
- Partner with EBCE to install public-facing DC Fast Charging hubs ✓ underway
- Continue implementing the MAP (mode shift / traffic signal modernization) ✓ underway
- Continue implementing active transportation options (Safe Routes to Schools) ✓ underway
- Evaluate the model plastic waste/reuse ordinance being developed by StopWaste
- Develop an outreach and enforcement implementation plan for ORRO / SB 1383
- Adopt the UFMP and begin planting 800 trees annually ✓ underway
- Collaborate with industry partners to host green business best practices events/forums
- Collaborate with FUSD and CBOs to expand participation in the Fremont Green Challenge
- Launch a *Climate Ready Fremont* public-facing online tracking and reporting dashboard

# The “Game Plan” Priority Actions

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## ➤ City Operational Actions within the first 3 years of plan:

- Opt-up City accounts to EBCE’s Renewable100 Rate Plan ✓ implemented
- Establish an all-electric / ZNE design requirement for new City facilities
- Replace existing gas-powered HVAC systems with electric heat pumps where feasible ✓ funded
- Partner with EBCE to install renewable microgrids on critical City facilities ✓ underway
- Replace City fleet vehicles with EVs and install supporting EV charging infrastructure ✓ funded
- Implement a Hybrid Telework Policy for City employees ✓ adopted
- Expand integration of reusable food ware options at City facilities ✓ underway
- Apply compost/mulch to City landscapes in alignment with SB 1383 ✓ integrated into EPP
- Certify relevant City facilities as California Green Businesses
- Establish an interdepartmental green purchasing training and champions program

# Other Noteworthy Actions with Policy Implications

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- ❑ Explore a final phase-out date for non-industrial methane gas procurement
- ❑ Consider an ordinance prohibiting new gasoline service stations
- ❑ Consider an ordinance banning the use of gas-powered landscaping equipment
- ❑ Remove parking minimums for new developments within ½ mile of transit
- ❑ Explore phasing in a methane gas use tax
- ❑ Prioritize GHG reduction & resiliency efforts through City budget processes
- ❑ Provide CIP funding for climate infrastructure projects ✓ [underway](#)

# Plan Adoption Timeline

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## Mar-May

- Final Draft prepared; being reviewed by City leadership staff

## Early June

- Draft to be reviewed by Environmental Sustainability Commission

## Late June

- Public Draft to go in front of City Council

## June/July

- Public Draft open for comments from the community

## Late Summer/ Early Fall

- Staff revisions of plan based on feedback; prepare Final Plan for ESC Review and City Council approval

# We Want Your Feedback

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- High level thoughts on content, organization, and presentation
- Specific comments on the Game Plan
- Questions or concerns with any strategies, measures, or actions