



SFMTA

Climate Roadmap for a Healthier City

Citizens' Advisory Council

November 3, 2022

Meeting Objective and Agenda

Inform CAC on progress in developing the SFMTA Climate Roadmap, share initial findings, and gather feedback.

1. Provide background
2. Provide overview of strategies and actions
3. Share initial findings
4. Gather feedback

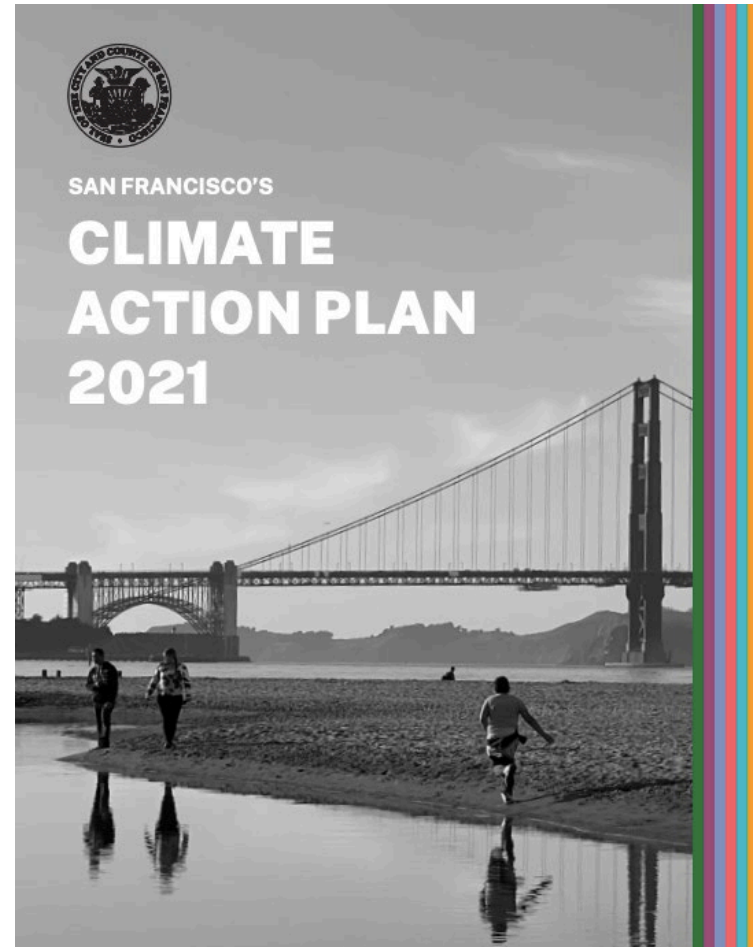


Citywide Climate Action

2019: The San Francisco Board of Supervisors declare a climate emergency.

2021: Mayor Breed and the San Francisco Department of the Environment release the San Francisco Climate Action Plan 2021 (CAP).

2023: To align with the city's CAP, the SFMTA develops the Climate Roadmap with priority actions to help achieve citywide targets.



Climate Action Maximizes Community Benefits

- Air Quality
- Public Health
- Safety
- Economic Vitality
- Travel Experience
- Racial Equity

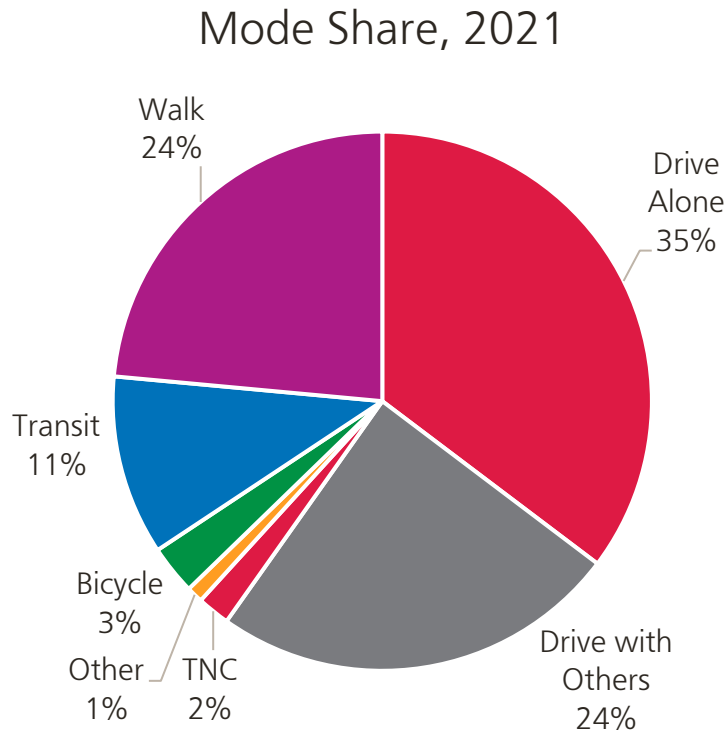


What are our goals?

- Net-zero greenhouse gas emissions by 2040
- 80% of trips are low-carbon by 2030
 - Transit, walking, bicycling, trips in vehicles with 3+ people and electric vehicles
- 25% of registered vehicles are EVs by 2030 and 100% are EVs by 2040



How People Moved in 2021

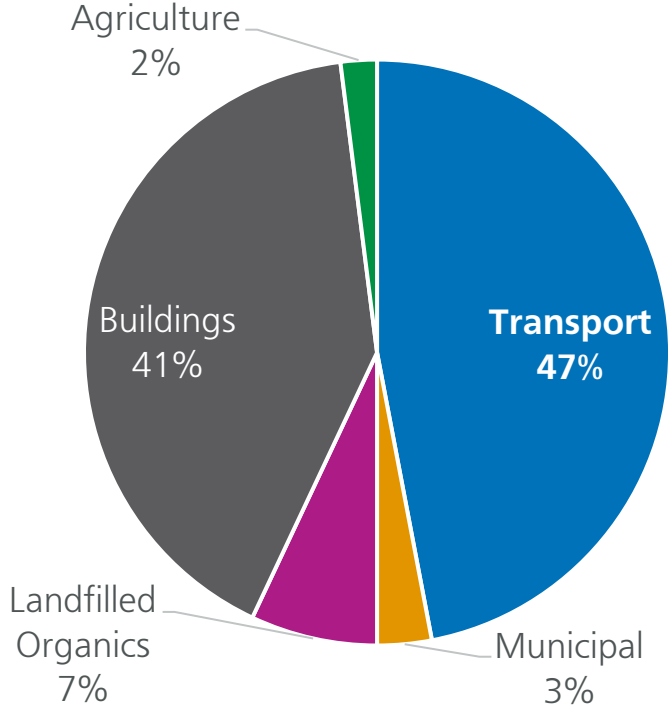


Between 2019 and 2021, more people drove alone and much fewer people took transit, partly due to the impacts of the COVID-19 pandemic.

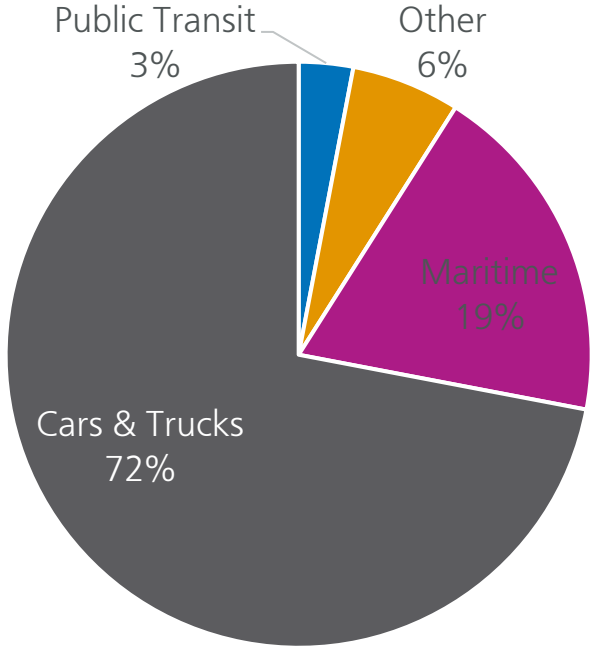
Drive alone trips went from 31% of all trips to 36% of all trips.

Transit trips went from 22% of all trips to 11% of all trips.

San Francisco Greenhouse Gas Emissions (2019)



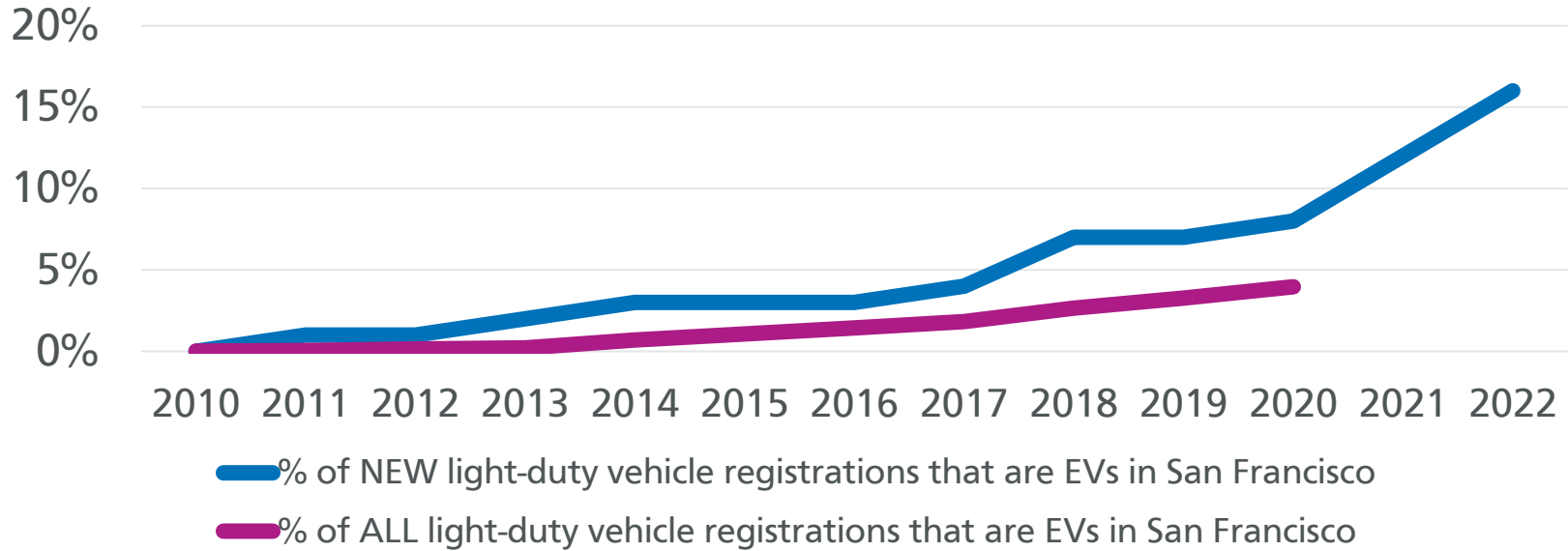
Citywide



Transportation Sector

Electric Vehicle Registrations

% of ALL and NEW Light-duty Vehicle Registrations that are EVs in San Francisco, 2010-2022



Source: California Energy Commission (2022). Vehicle Population in California. Data as of March 31, 2022.

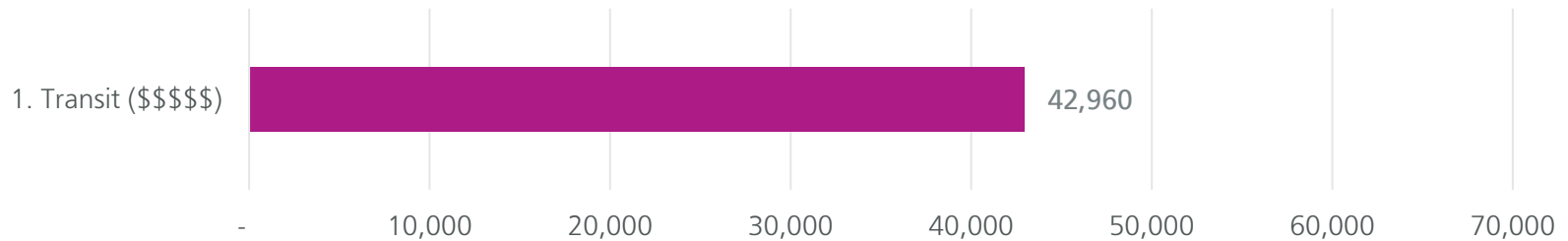
Climate Roadmap Strategies

- **Strategy 1:** Transit
- **Strategy 2:** Active Transportation
- **Strategy 3:** Transportation Demand Management
- **Strategy 4:** Parking
- **Strategy 5:** Electrification
- **Strategy 6:** Community Engagement

Climate Roadmap Strategy 1: Transit

Build a fast and reliable transit system that will be everyone's preferred way to get around.

Typical Annual Tons of CO2 Reduced by 2050



Actions:

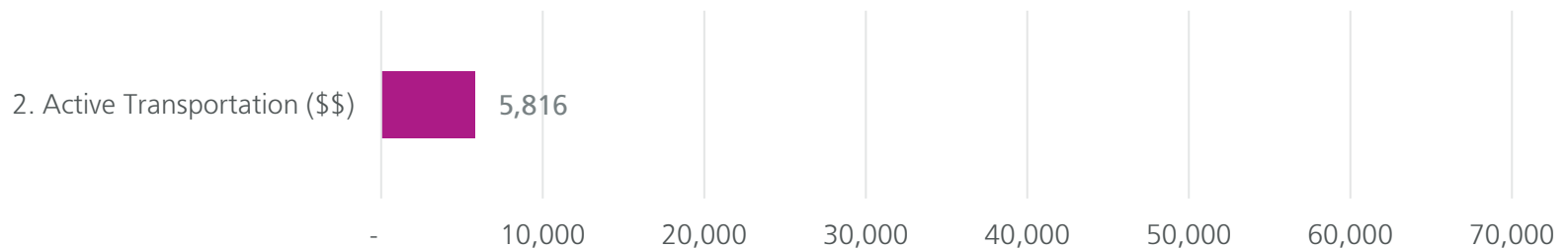
- Major transit capital improvements
- Muni Forward improvements
- Improved transfers



Climate Roadmap Strategy 2: Active Transportation

Create a complete and connected active transportation network that shifts trips from automobiles to walking, biking, and other active transportation modes.

Typical Annual Tons of CO2 Reduced by 2050



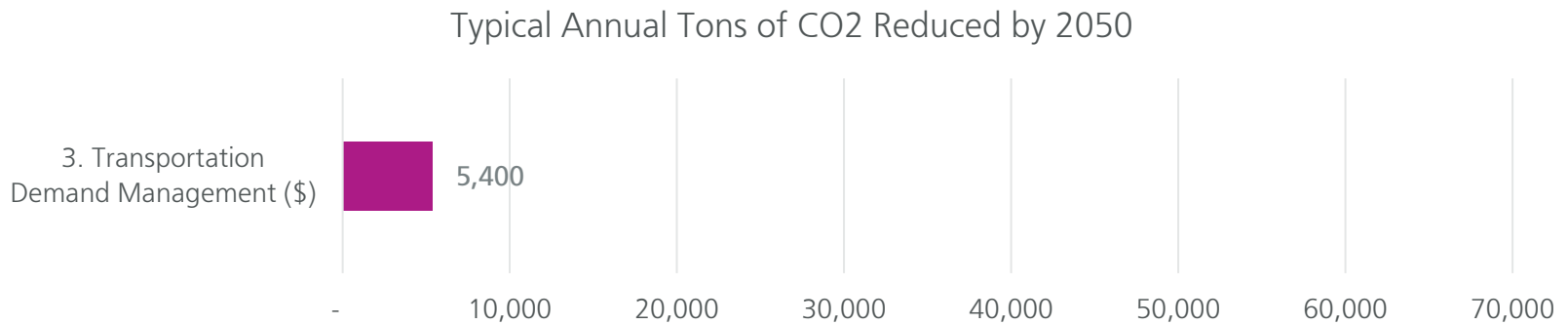
Actions:

- Expanded bicycle parking
- E-bike subsidies
- Mobility hubs
- Bicycle network expansion



Climate Roadmap Strategy 3: Transportation Demand Management

Develop pricing and financing of mobility that reflects the carbon cost and efficiency of different modes and projects and correct for inequities of past investments and priorities.



Actions:

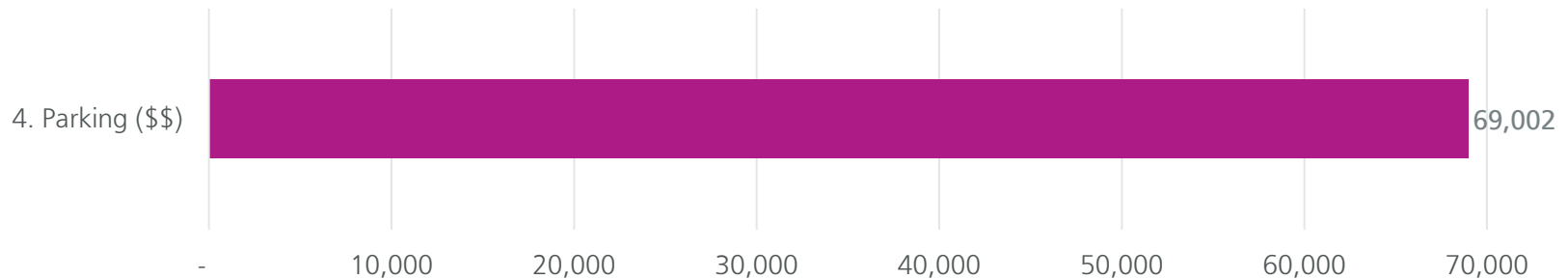
- Increase engagement in Commute Benefits Ordinance programs
- Increase share of employers offering commute subsidies



Climate Roadmap Strategy 4: Parking

Manage parking resources more efficiently.

Typical Annual Tons of CO2 Reduced by 2050



Actions:

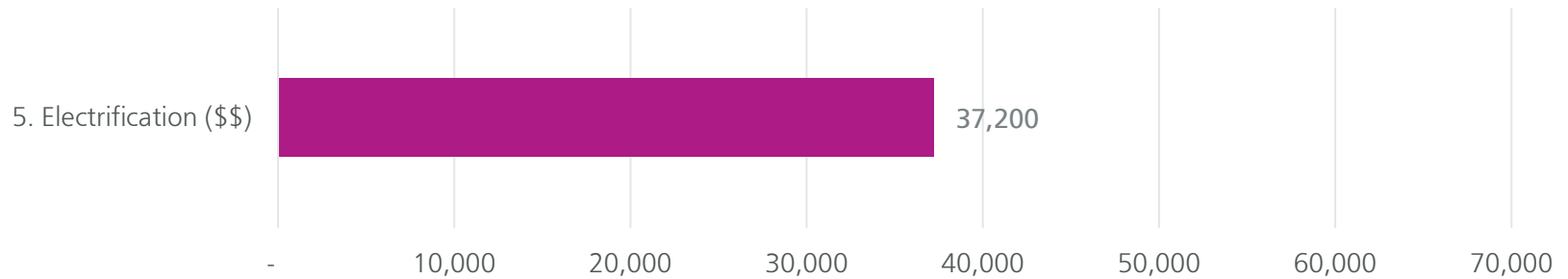
- Increase number of paid parking spaces
- Increase times for paid parking
- Increase parking rates



Climate Roadmap Strategy 5: Electrification

Where motor vehicle use or travel is necessary, accelerate the adoption of zero-emissions vehicles (ZEVs) and other electric mobility options.

Typical Annual Tons of CO2 Reduced by 2050



Actions:

- Expand EV charging stations



Climate Roadmap Strategy 6: Community Engagement

Conduct impactful community engagement to ensure climate actions are addressing residents needs and the public is aware of the options available to them.

Typical Annual Tons of CO2 Reduced by 2050



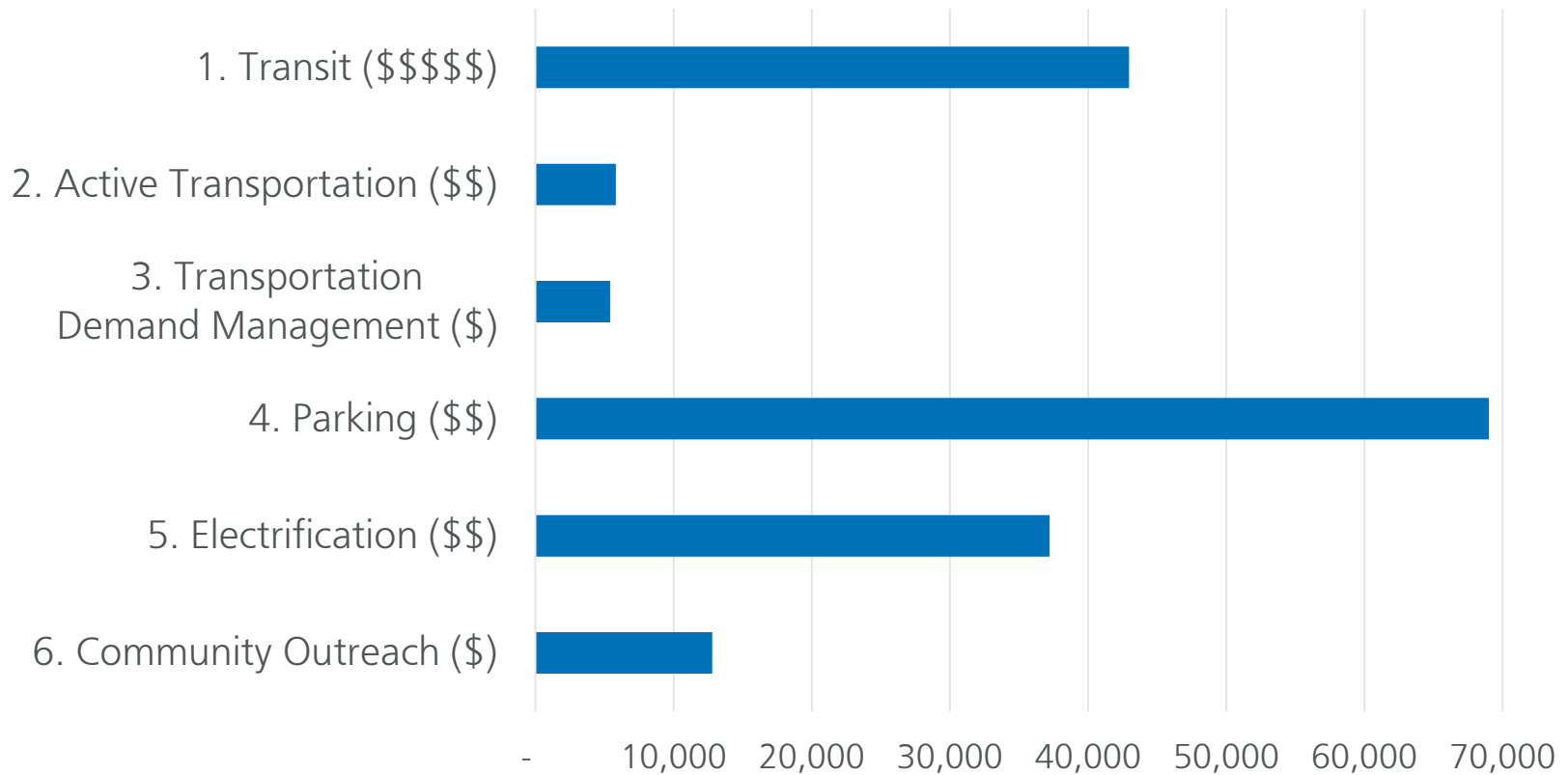
Actions:

- Community Transportation Planning



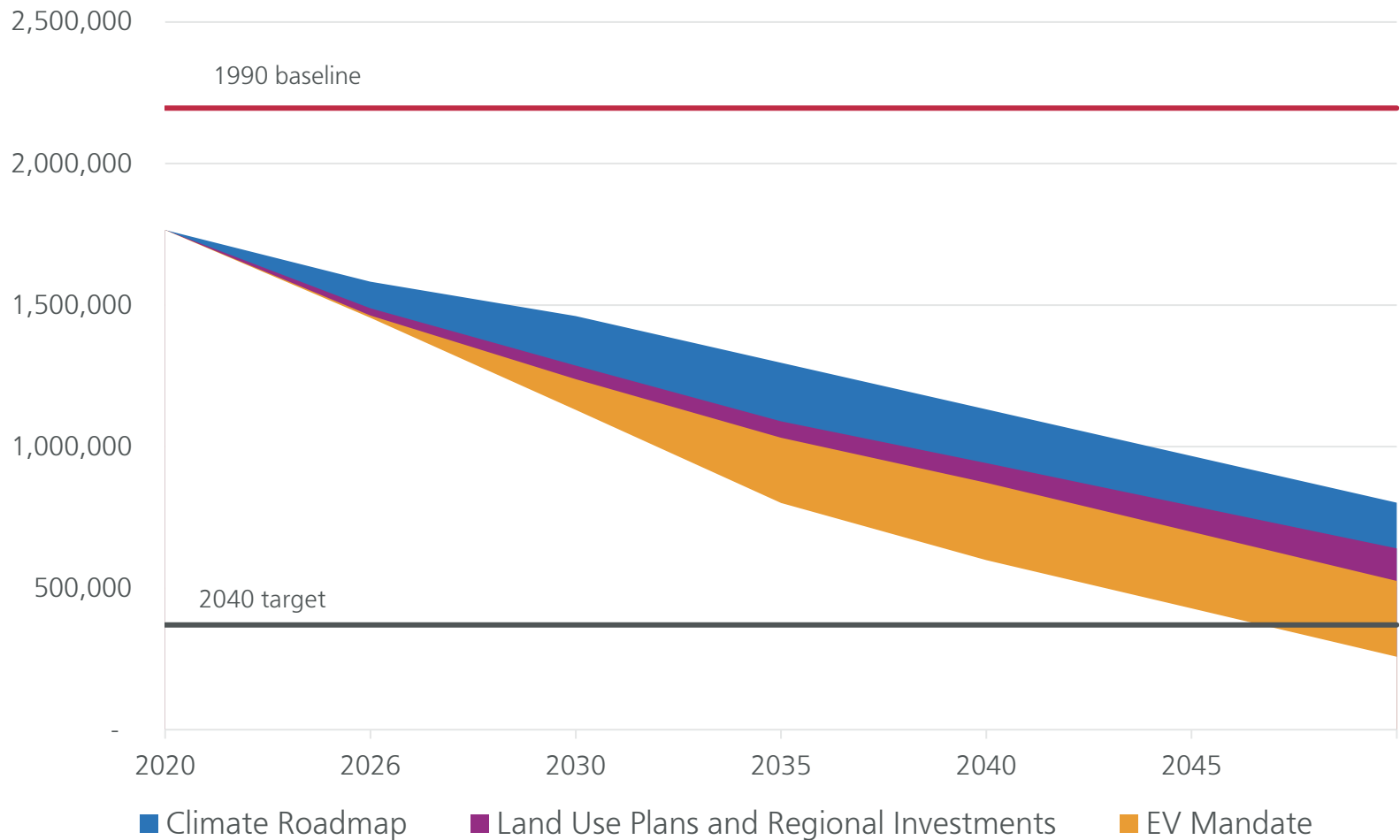
Effectiveness by Strategy

Typical Annual Tons of CO2 Reduced by 2050

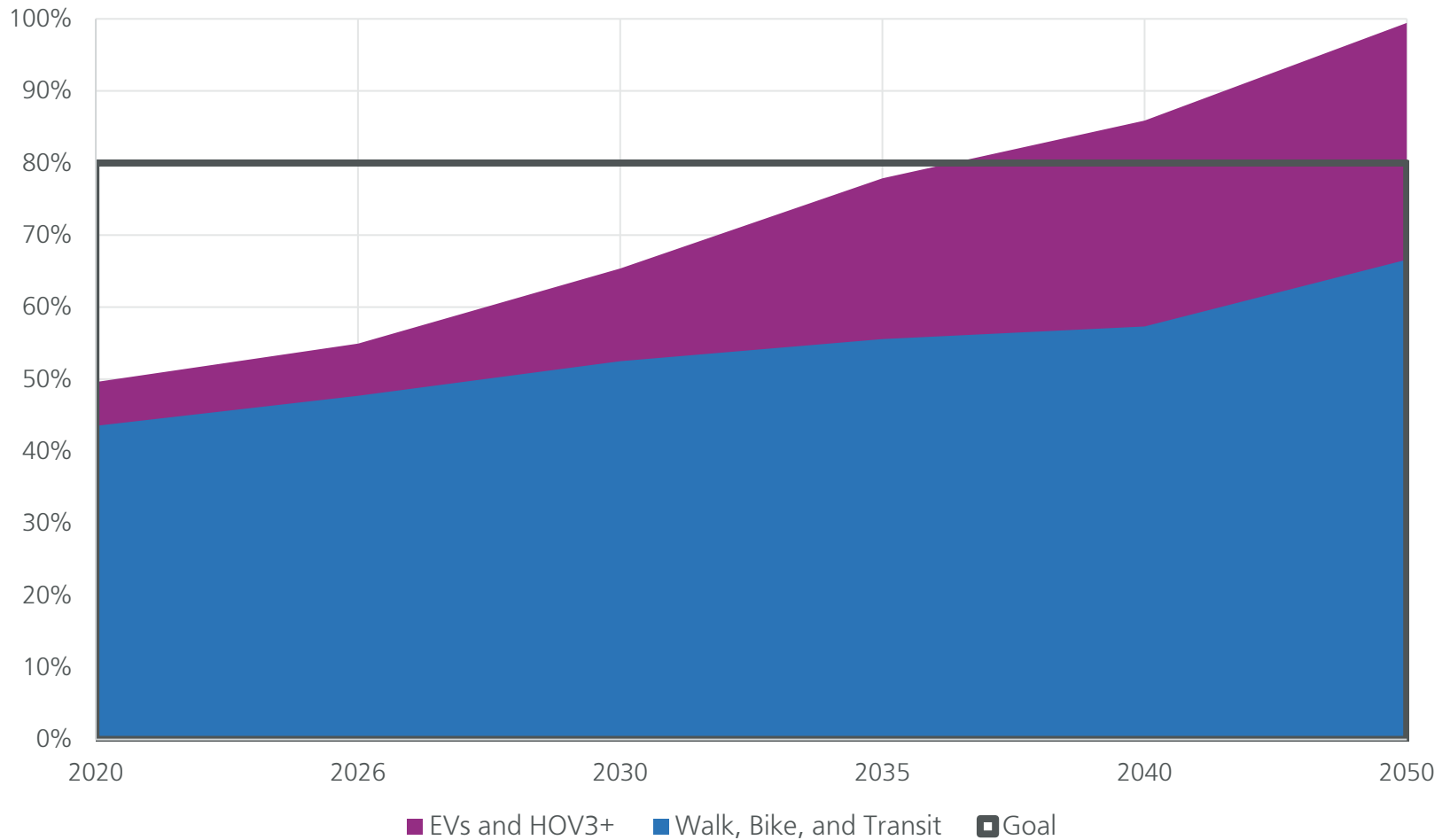


Path to Net-Zero GHG Emissions from Transportation

(Annual CO2e Reductions Compared to No Action)



Path to our Low-Carbon Mode Share Goal



We can get there!

For San Francisco to close the remaining gap, San Francisco can look at other similarly sized cities with high low-carbon mode shares that have led by example.



Source: Flickr users embarqbrasil, dylanpassmore, bricoleurbanism

Moving Forward



- Climate Action Plan Focus Group
- Citizens' Advisory Council
- Youth Transportation Advisory Board
- Multimodal Accessibility Advisory Committee
- SFMTA Board of Directors
- Executive Team
- Staff Working Group
- Transportation Capital Committee
- Department of the Environment

Questions