

# MTC Transportation Electrification Initiatives

**Partnership Board**  
**December 2, 2022**

**James Choe & Craig Bosman, MTC**



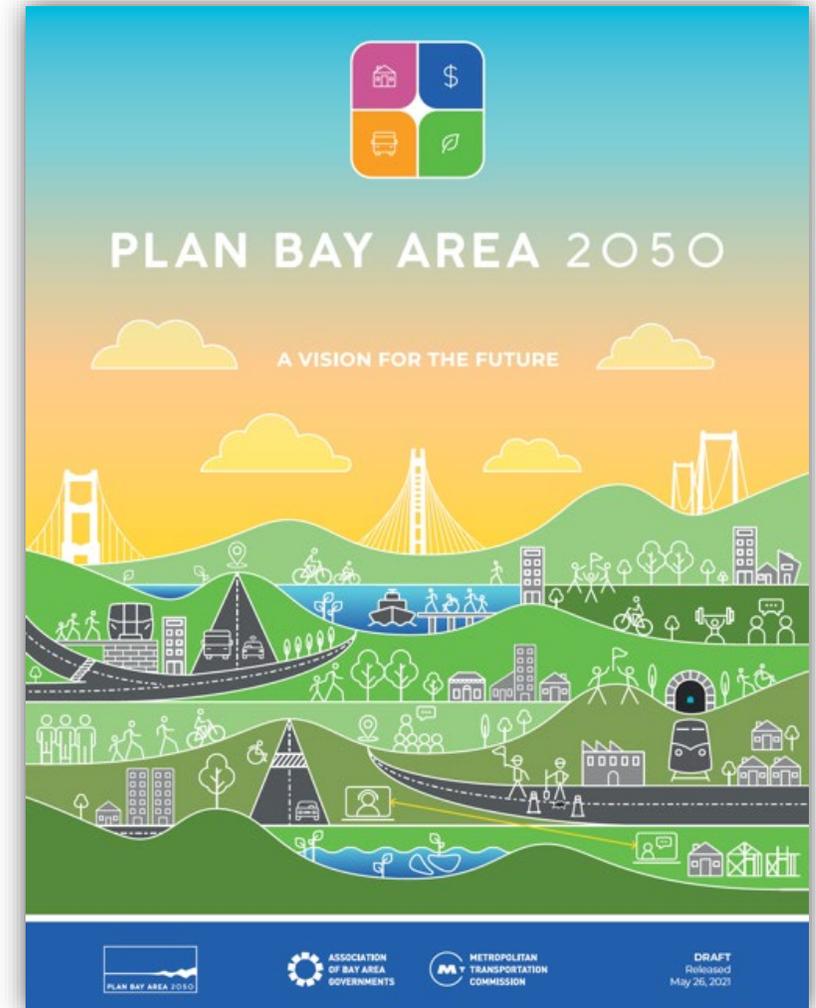
ASSOCIATION OF BAY AREA GOVERNMENTS  
METROPOLITAN TRANSPORTATION COMMISSION

# Transportation Electrification Policy Background

PLAN BAY AREA 2050

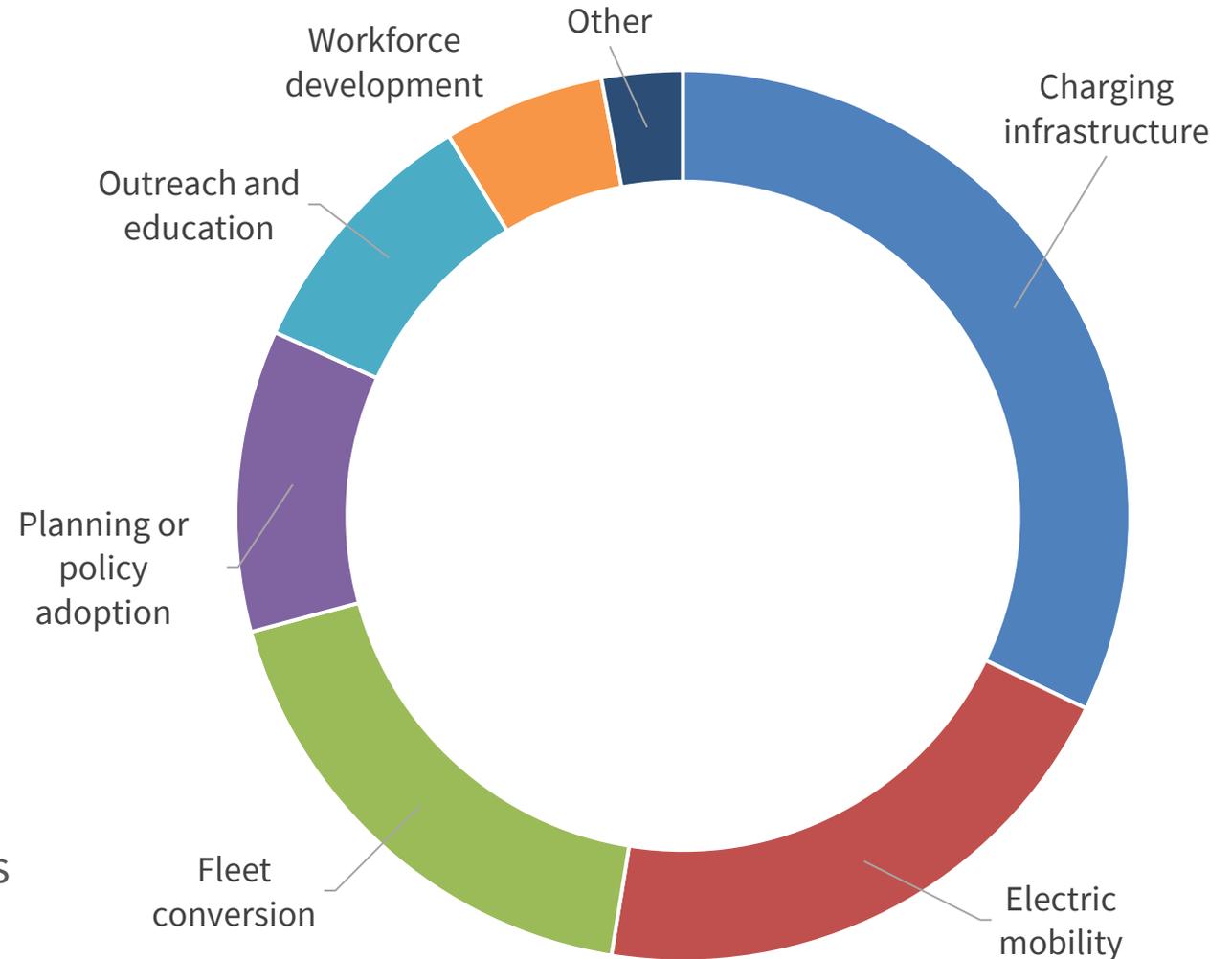
STRATEGY EN8  
CLEAN VEHICLES

- Accelerating transportation electrification (Strategy EN8) is a key Plan Bay Area 2050 strategy to help achieve greenhouse gas reduction target for passenger vehicles
- California Air Resources Board's Innovative Clean Transit regulation and related rules driving transition to zero-emission transit



# Transportation Electrification Letter of Interest

- To inform investments, staff invited public agencies to submit a Letter of Interest (LOI) in June
- Received 80 LOIs from agencies in every county
- Top project types submitted:
  - Charging infrastructure
  - Electric mobility
  - Fleet conversion
  - Planning or policy adoption
- Barriers cited:
  - Staff capacity and expertise
  - Uncertainty about electrical capacity
  - Delays due to PG&E role
  - Confusing array of stakeholders and programs
  - Difficulty resolving charging infrastructure issues at multi-family developments



# Potential Transportation Electrification Initiatives

- Charging Infrastructure Implementation (\$35m-\$40m)
  - Transit station lots
  - Partnerships with BAAQMD, Community Choice Aggregators (CCAs)
  - Focus on Equity Priority Communities (EPCs)
- Electric Bikeshare (\$15m-\$20m)
  - Electrifying docking stations
  - Increase in regional e-bike fleet with focus on BayWheels
  - Focus on EPCs
- Public Fleet Electrification (\$8m)
  - Municipal fleet vehicle charging infrastructure
- Regional Transportation Electrification Program Evaluation and Strategic Plan (\$2m)



Credit: Noah Berger

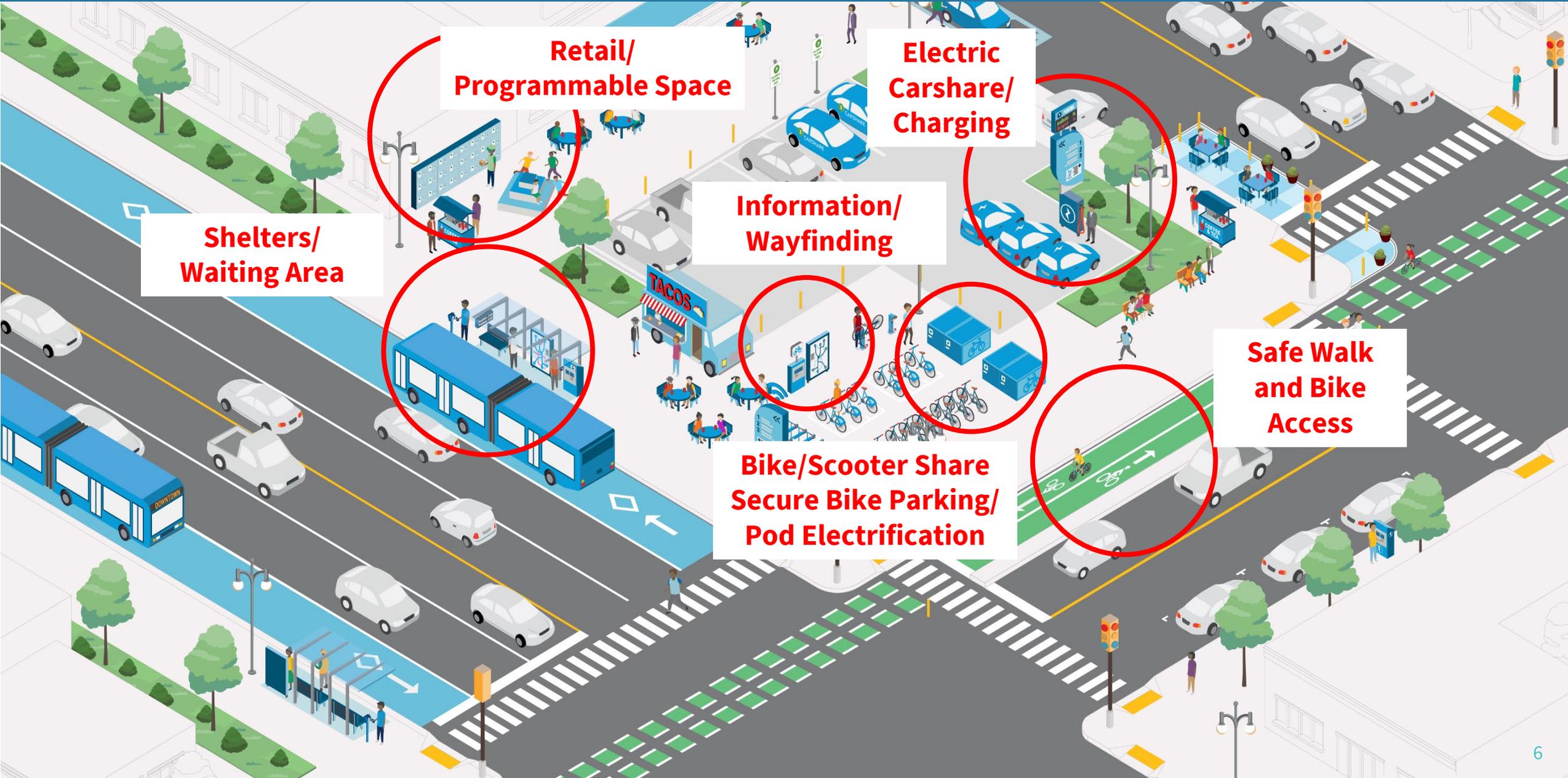


Credit: Lyft

# Potential Transportation Electrification Initiatives

Category	Investment
Charging Infrastructure Implementation <ul style="list-style-type: none"> <li>• Transit station lots</li> <li>• Partnerships with Air District, Community Choice Aggregators (CCAs)</li> <li>• Focus on Equity Priority Communities (EPCs)</li> </ul>	\$35m-\$40m
Electric Bikeshare <ul style="list-style-type: none"> <li>• Electrifying docking stations</li> <li>• Increase in regional e-bike fleet with focus on BayWheels</li> <li>• Focus on EPCs</li> </ul>	\$15-\$20m
Public Fleet Electrification <ul style="list-style-type: none"> <li>• Municipal fleet vehicle charging infrastructure</li> </ul>	\$8m
Regional Transportation Electrification Program Evaluation and Strategic Plan	\$2m
<b>Total</b>	<b>\$65m</b>

# Mobility Hub Program



**Retail/  
Programmable Space**

**Electric  
Carshare/  
Charging**

**Information/  
Wayfinding**

**Shelters/  
Waiting Area**

**Safe Walk  
and Bike  
Access**

**Bike/Scooter Share  
Secure Bike Parking/  
Pod Electrification**

# Regional Zero-Emission Transit Transition Strategy

Collaborating with transit operators to develop a zero-emission transit transition strategy

- Assess cost of transit electrification in compliance with CARB's Innovative Clean Transit rule
- Identify coordination opportunities and develop schedule and funding plans
- Pursue other federal and state funding sources for implementation of this effort (e.g., Federal Transit Administration, Transit and Intercity Rail Capital Program)



# Questions and Discussion

# Questions

## **Transportation Electrification Initiatives**

- Are there partnership opportunities to support the proposed initiatives?
- Are there particular barriers that partners can address in their efforts?
- What other opportunities to support local needs or address barriers are recommended?

## **Regional Zero-Emission Transit Transition Strategy**

- Are there opportunities for synergies with investments in transit zero emission transition and other electrification initiatives?

# Next Steps

## **Transportation Electrification Initiatives**

- Following December Planning Committee and partner feedback, staff will return to the committee in early 2023 with Transportation Electrification program recommendations

## **Regional Zero-Emission Transit Transition Strategy**

- December 2022 MTC Administration Committee contract approval, followed by strategy kick-off

# Thank You



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