

Zero Emission Vehicle Action Plan



Public Works Committee

September 2022

ZEV Zero Emission Vehicle
ACTION PLAN

City of Oakland
September 2022
oaklandca.gov/projects/zero-emission-vehicle-action-plan

CITY OF OAKLAND

Actions Requested of Council

Resolution

- Approve Zero Emission Vehicle Action Plan
- Adopt CEQA Findings
- Affirm Need for Dedicated Staff to Implement the Plan

Ordinance

- Amend Master Fee Schedule to Establish Fees for EV Charging
- Amend Municipal Code to Add Enforcement for EV Charging Spaces



What is a Zero Emission Vehicle (ZEV)?

A vehicle that produces zero exhaust emissions of any pollutant under all possible operational modes and conditions.

ZEVs are typically powered by:

Electricity



Or

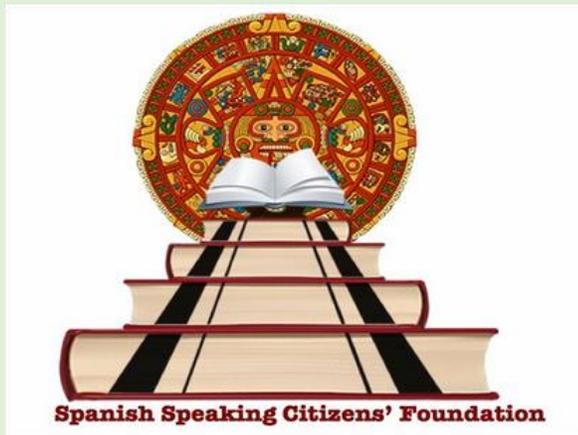
Hydrogen



This Plan made possible by a generous grant from



& by our Community-based Organization Partners



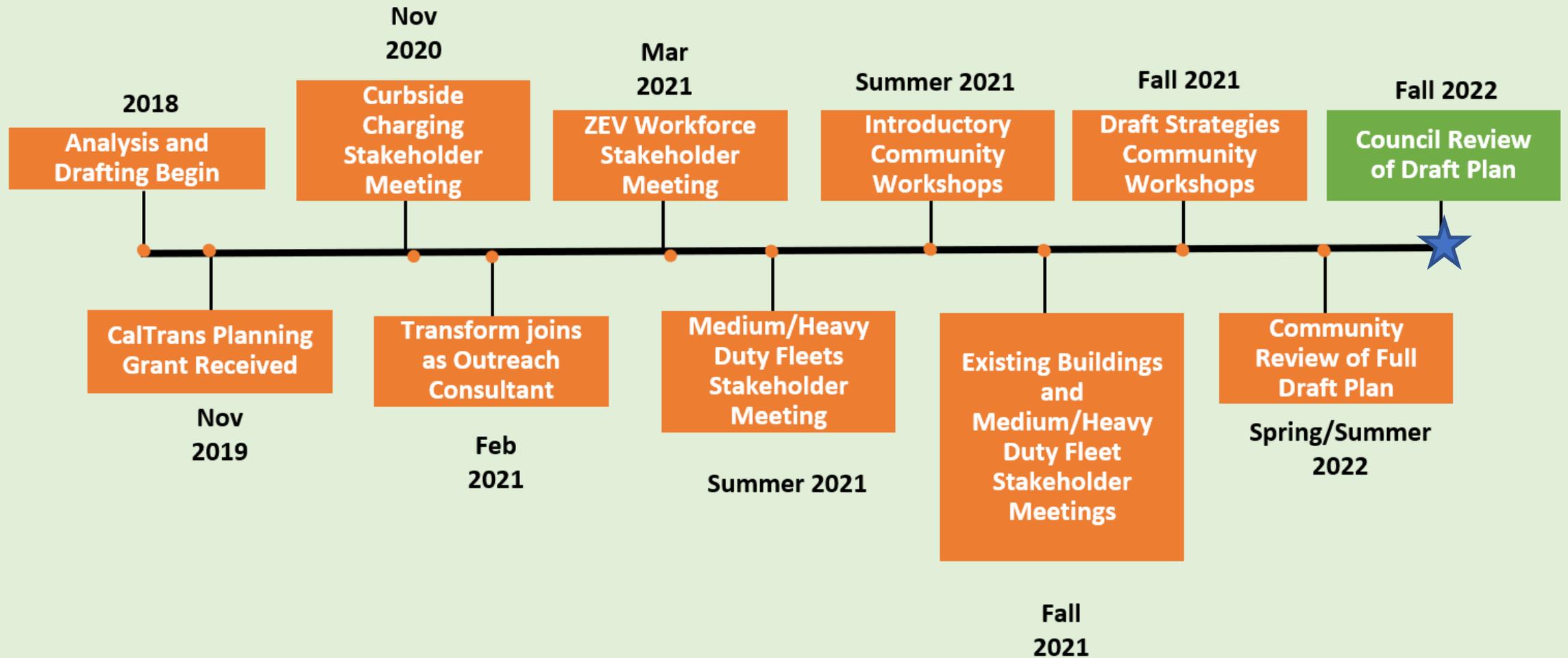
West Oakland
Environmental
Indicators
Project



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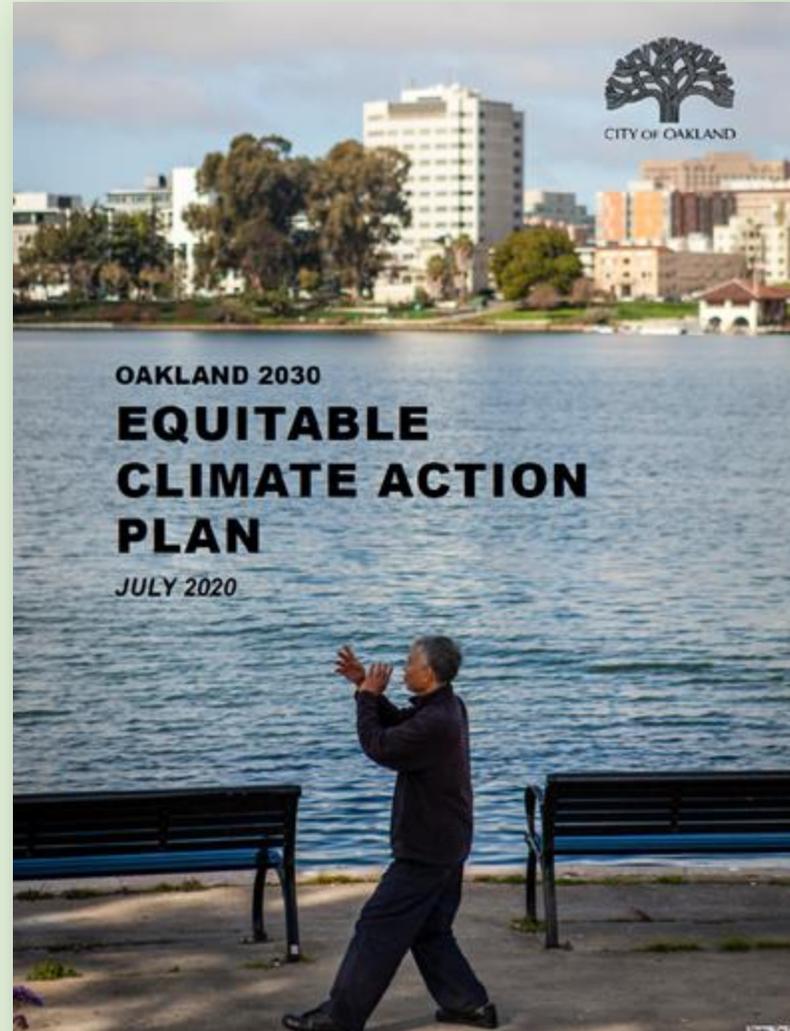
Plan Development Timeline



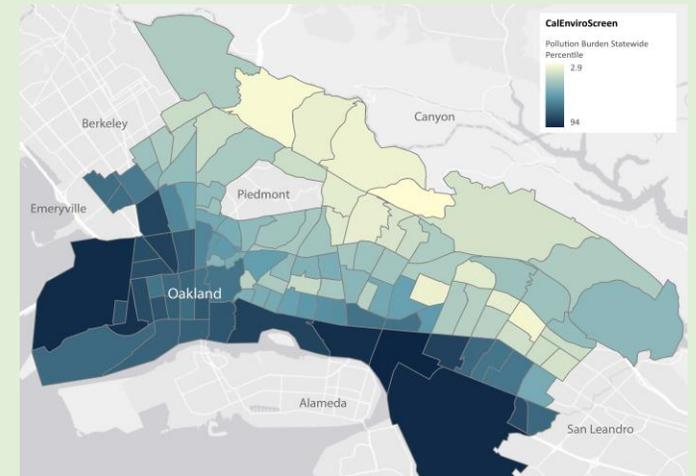
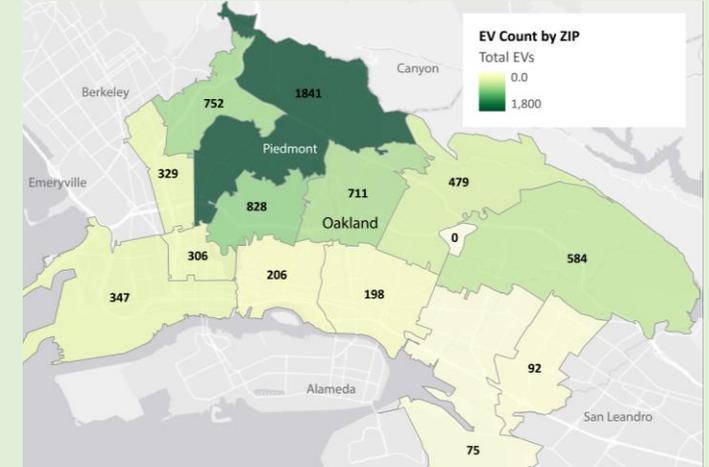
Why Do We Need a Zero Emission Vehicle Action Plan?



State Mandates

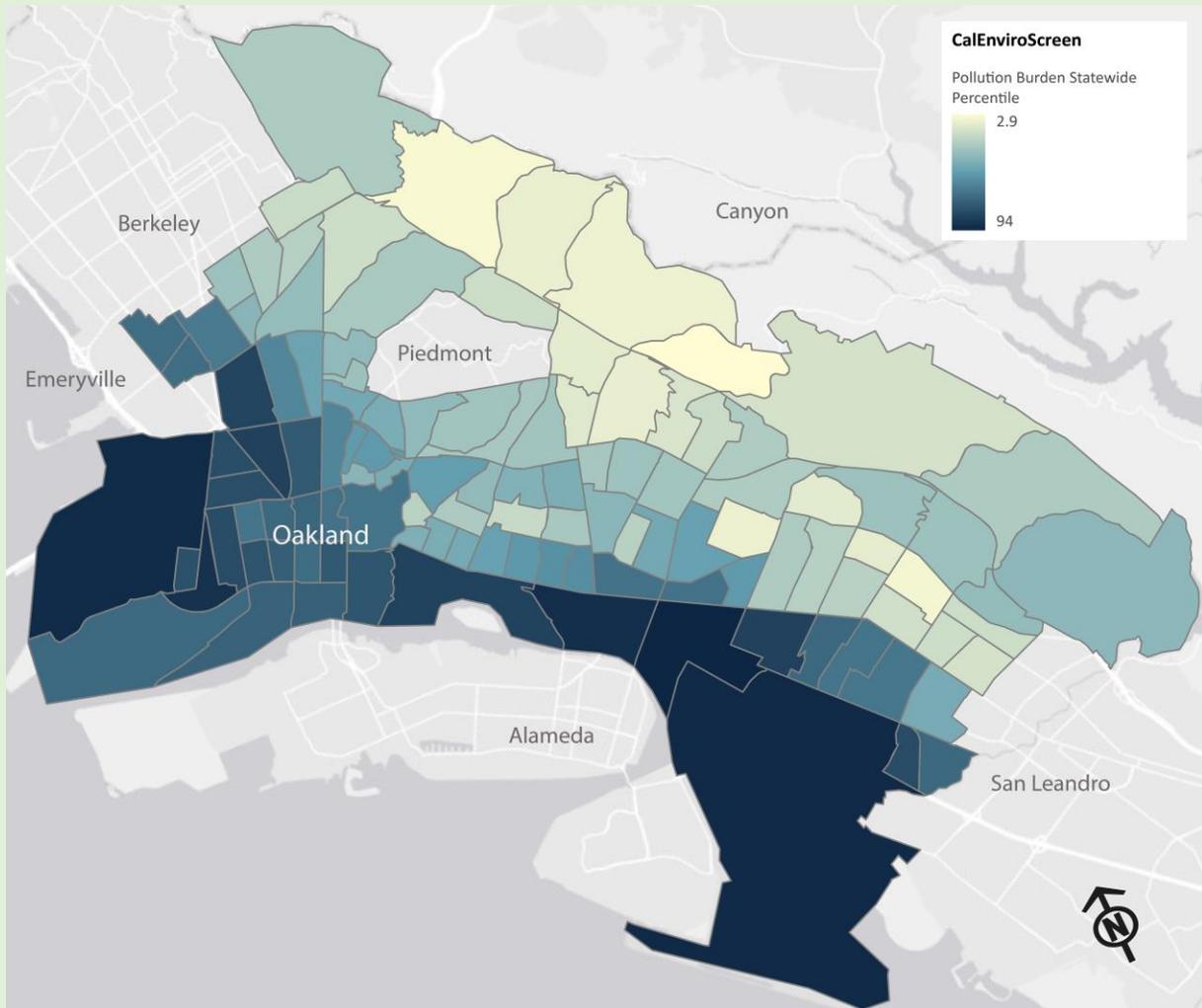


Oakland's Climate Equity Strategy

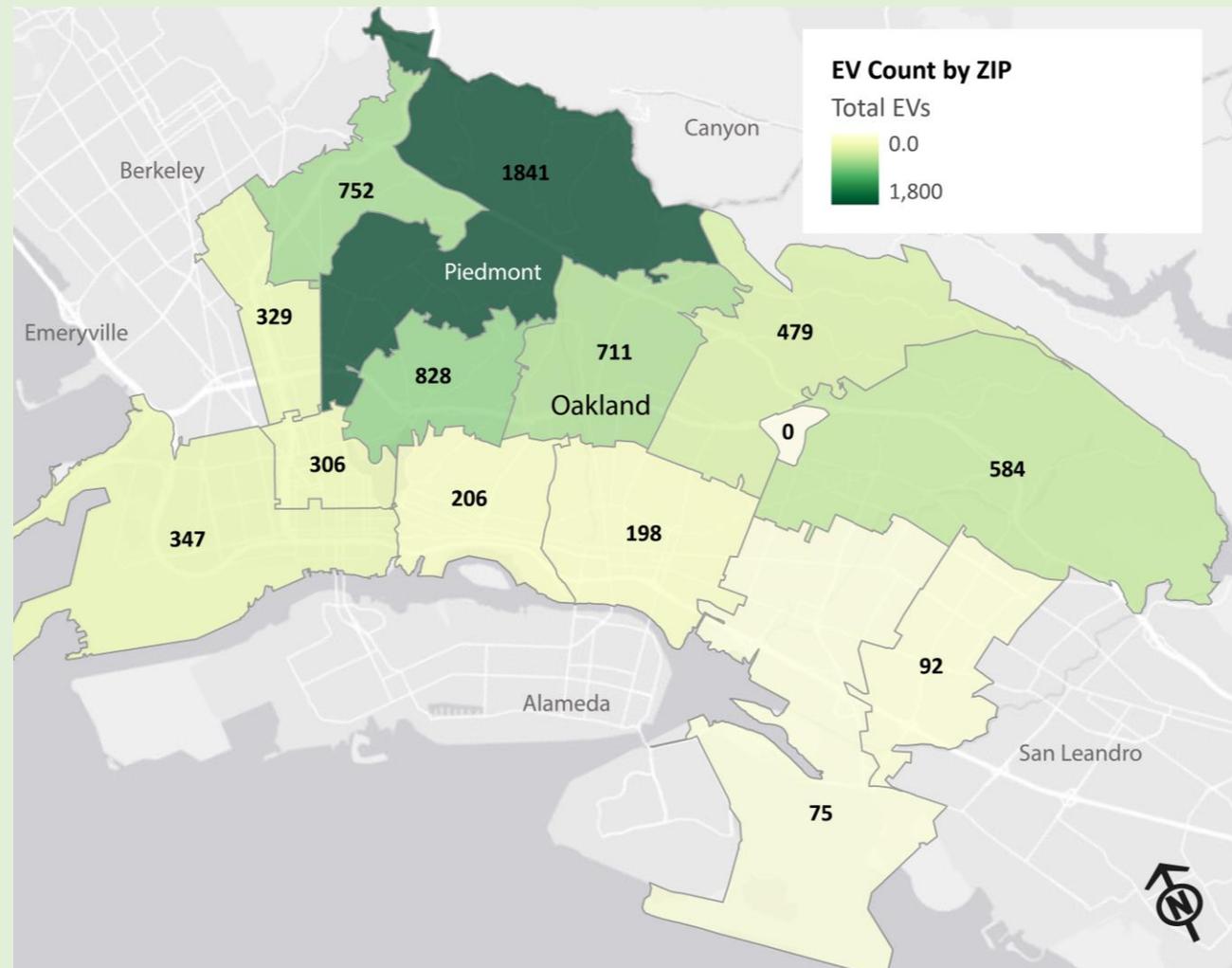


Current Trends

Race & Equity



Pollution Burden



EV Ownership



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Transportation

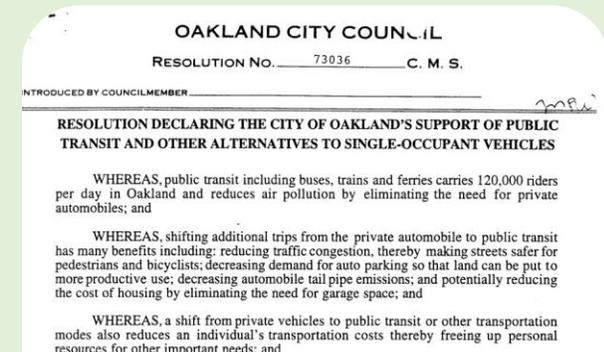
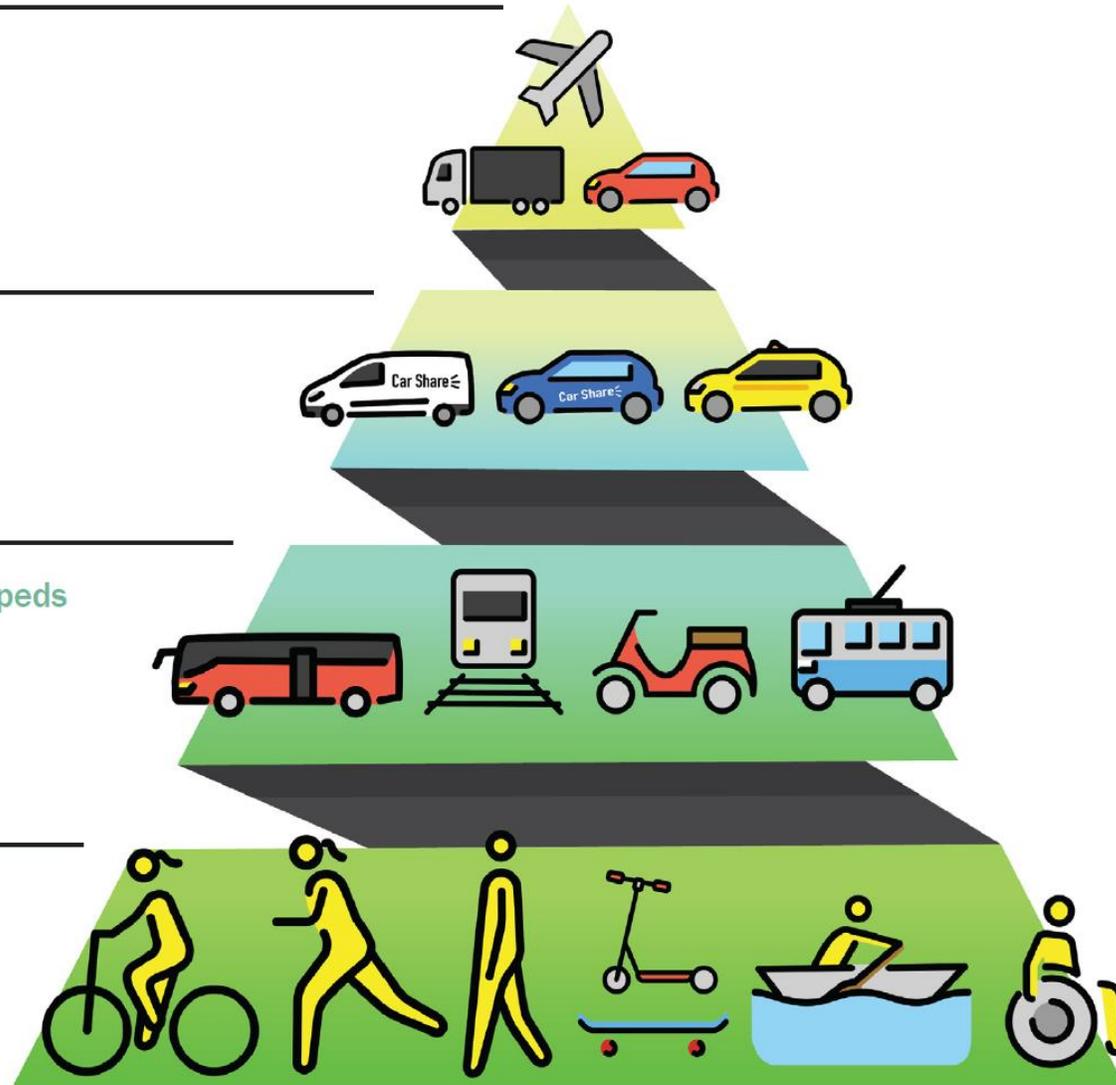
Sustainable Mobility Priorities

Airplanes, Private Cars & Trucks
USE SPARINGLY

Taxis, Carpools, Shared Cars & Trucks
USE OCCASIONALLY

Public Buses & Trains, Motorcycles & Mopeds
USE FREQUENTLY

Walking & Human Powered Vehicles
USE AS MUCH AS POSSIBLE



ZEV Action Plan: Topic Areas



Existing and Multi-family Buildings



Medium and Heavy-duty Fleets



City Leadership



**Electric Micromobility
(e-Scooters, e-Bikes)**



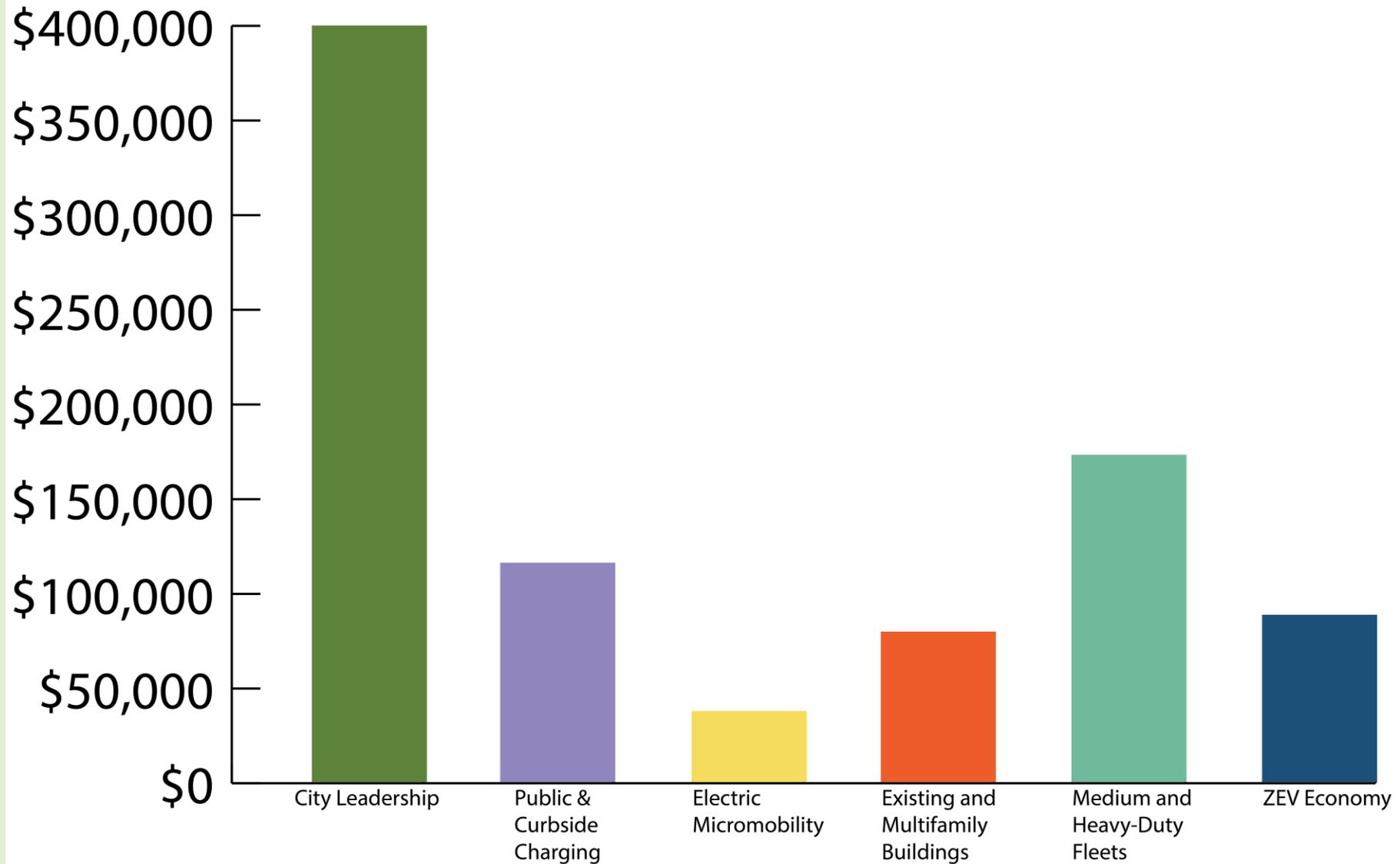
Curbside & Public Charging



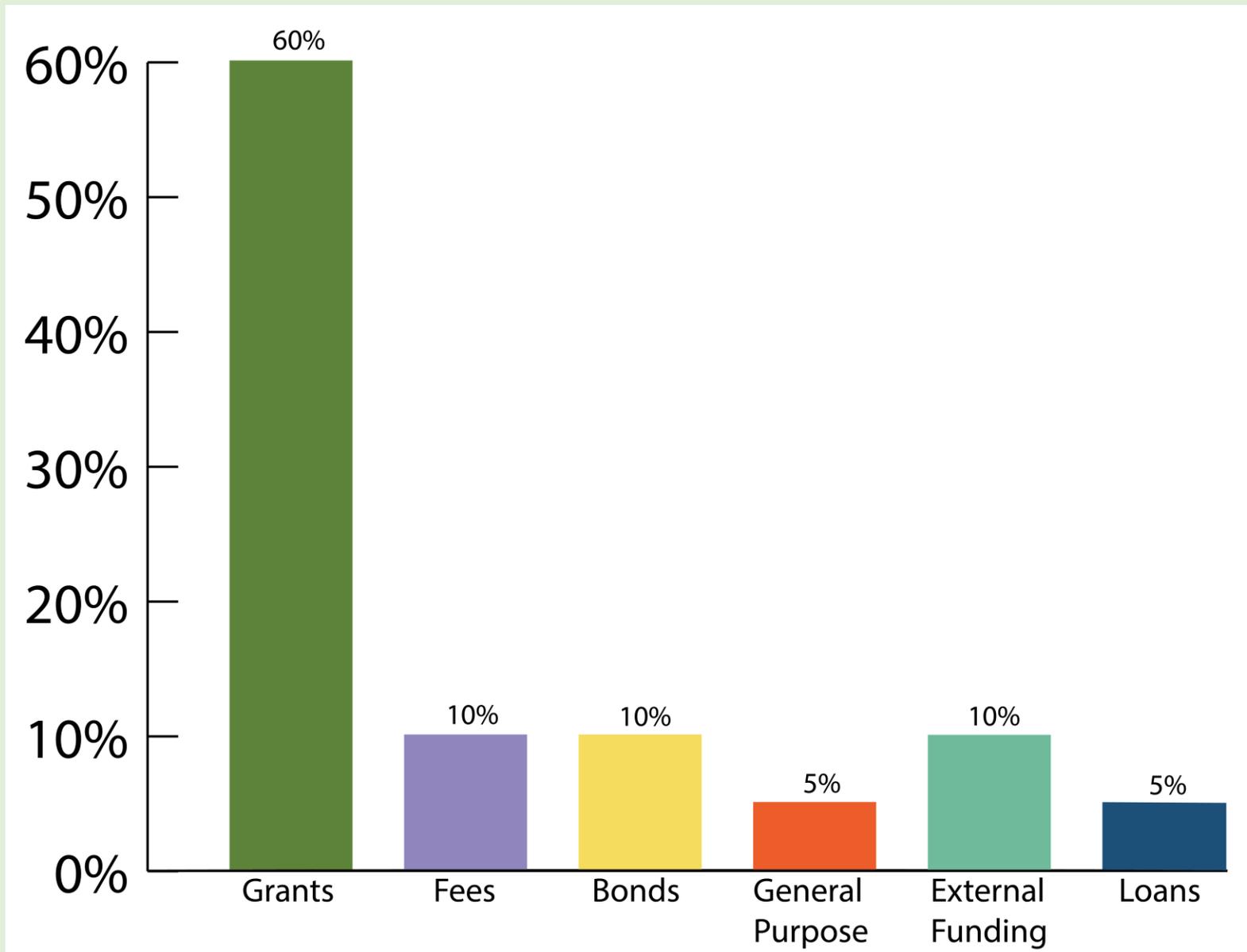
ZEV Economy



Funding the Plan – Staff Costs by Topic Area



Funding the Plan – Funding Sources

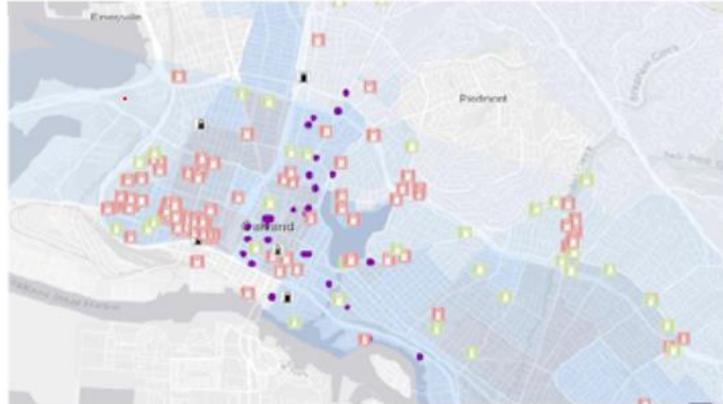


Public Engagement

20 Community Meetings or Outreach Events Attended



200+ Suggestions For ZEV Charging/fueling Locations



100 City Staff Hours In The Community



190 Online Survey Responses

What charger type would you like to see at this location?

Level 1 (2-5 mi per hour of charging)

What is the location type of the address?

- Curbside - In the Public Right of Way
- Public Parking Lot or Garage
- Other:

Do you have any further comments about this location?

300+ Subscribers To The Zev Plan Email List



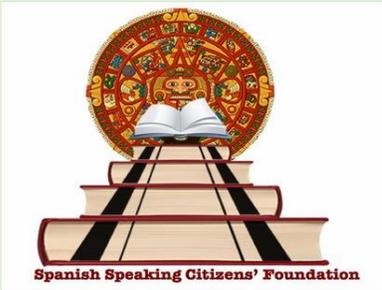
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Public Engagement – Community Workshops



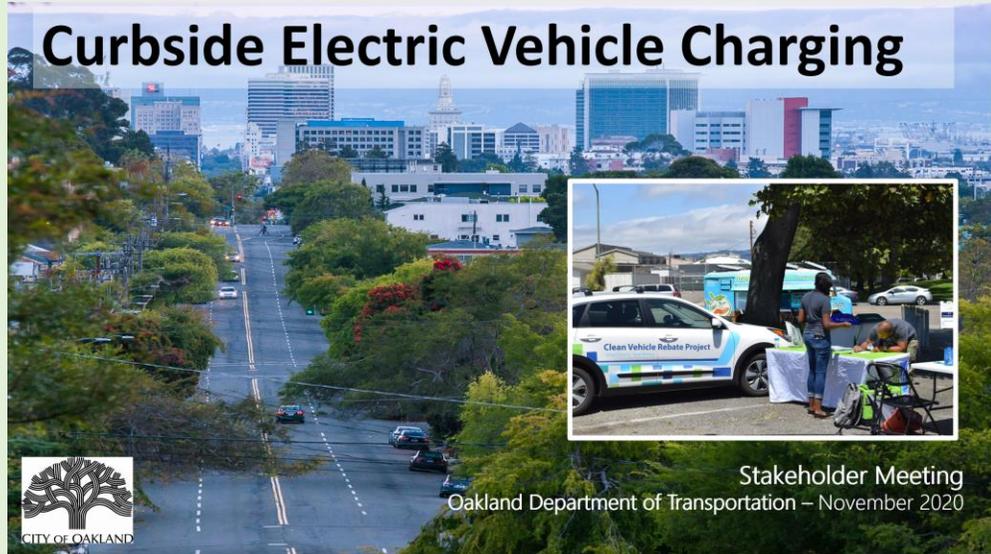
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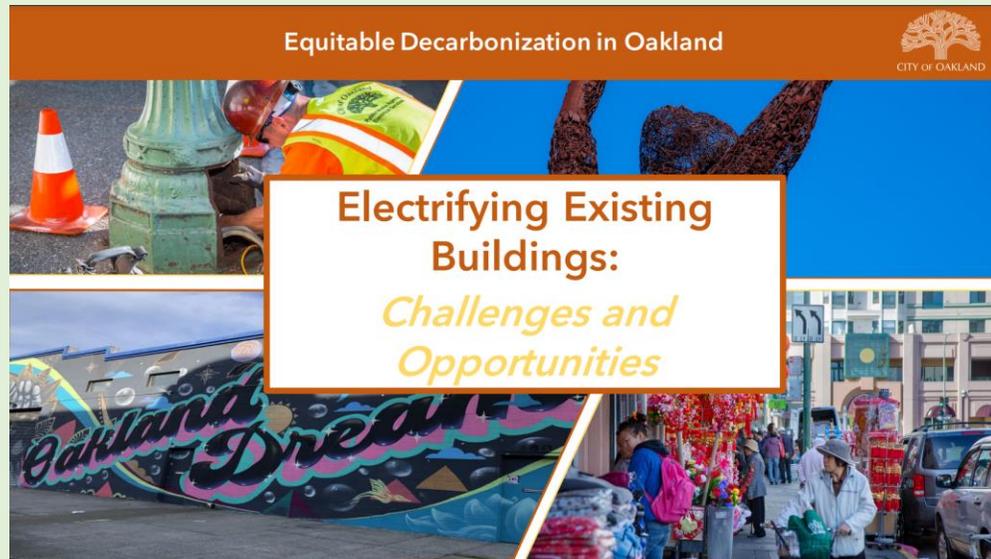
Event Details



Public Engagement - Stakeholder Meetings



Virtual Green Economy Stakeholder Meeting



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Transportation

Collaboration with other Departments and Agencies



City Departments:

- Race & Equity
- Economic & Workforce Development
- Planning & Building
- Public Works
- Housing and Community Development
- Sustainability & Resilience Division (CAO)



Staffing Needs

- Currently no staff position is dedicated to planning or engineering ZEV Infrastructure
- Plan implementation will require at least 1 full-time staffer, recommending Transportation Planner II in OakDOT
- **City Leadership Action 1 – “Fund dedicated staff for Zero Emission Infrastructure implementation”**



Wrap Up – How to find the Plan

- Project website
<https://www.oaklandca.gov/projects/zero-emission-vehicle-action-plan>
- Or email ZEV@oaklandca.gov

