

AEG Impact Challenge: **Climate, Health & Equity**

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Introduction

- CALSTART is a member-based clean transportation consortium providing clean transportation solutions since 1992.
- Current equity programs include planning and implementation dollars:
 - [Clean Mobility Options Program](#) (CALSTART administers)
 - [Sustainable Transportation Equity Project \(STEP\)](#)
- Public Transit identified as “Beachhead” or first application market for electrification and positioned well to establish ZE micromobility solutions (ICTR in progress)
- Rural communities lack access to healthcare providers and services
- Federal and State Funding for transit ZE technologies currently most abundant (FY22-26)

CA investing \$10B for zero emission vehicle and infrastructure.



**Clean
Mobility
Options**

Transportation: Problem and Solution

Transportation development has disproportionately impacted disadvantaged communities

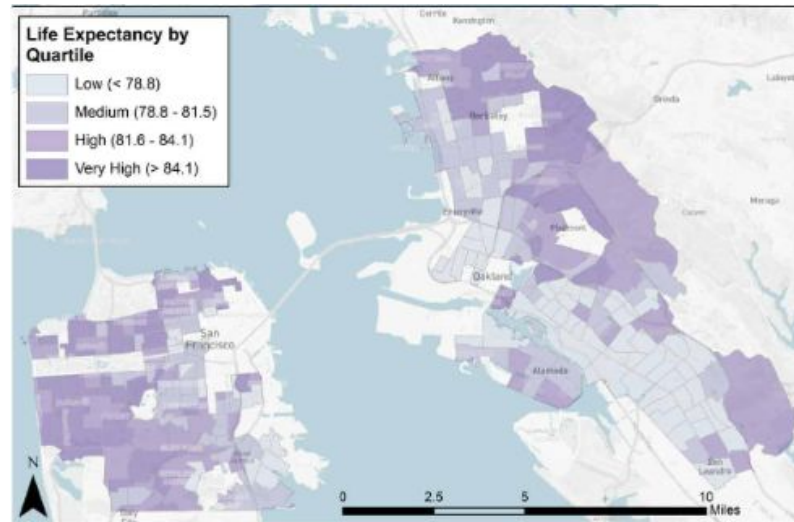
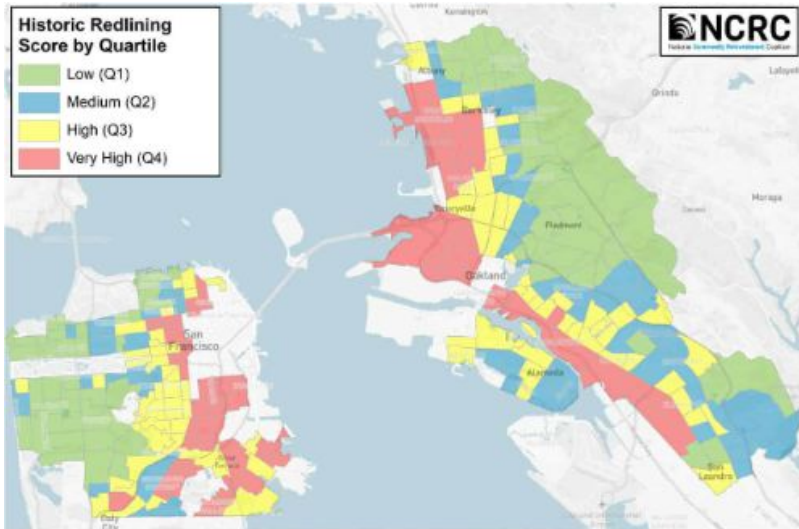
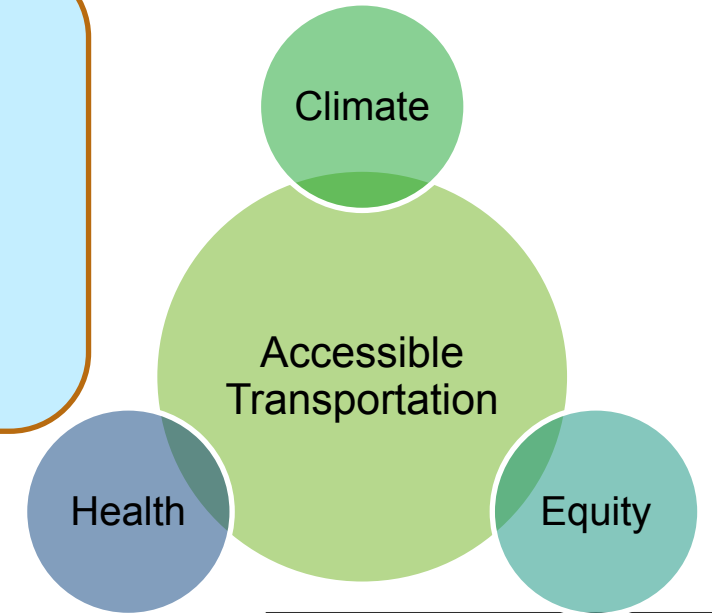


Poor planning leads to inequitable access to healthcare facilities and preventative care



Lack of access to critical services further exacerbates disparity and vulnerabilities

There is an increased need for community-driven solutions



A typical diesel bus emits 2,680 grams of CO₂ per mile (g/mi)



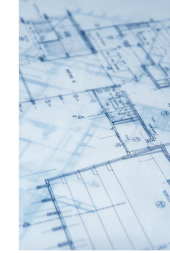
Source: [Mapping Inequality Project, Univ. of Richmond](#)

The Multi-Prong Challenge

The lack of a replicable framework for rural communities to implement sustainable clean transportation solutions.

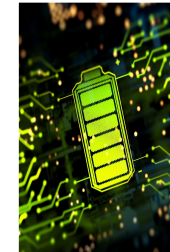
- CALSTART has developed clean transportation solutions in public and private sector, administered funding for vehicle and infrastructure decarbonization solutions, and is an expert in identifying key ZE partnerships
- California agencies have background and experience of programs that would inform such a framework: CMO, STEP, AB 617 Communities
- Community based organizations and equity-based institutes inform stakeholders of community-driven solutions
- Bipartisan Infrastructure Investment and Jobs Act (IIJA) and CA budget provide one-of-a-kind opportunity to fund ZE solutions

Key Stakeholders



Public Agencies

- Establish regulation
- ZE Asset deployment



Utilities

- Make-ready programs
- Incorporate Resiliency



Health Service Providers

- Provide transportation solutions at facility-level

Benefits or Consequences

Inaction Leads to:

- Inefficient use of resources
 - Limited opportunities for improved healthcare access
- ZE solutions limited to one-off siloed projects
- Communities lacking holistic turnkey solutions and resources

Stakeholder driven solutions

Ownership
Transparency
Clear Roles

Focus on Clean ZE Solutions

Emission reduction
Technology readiness
Interconnected systems

Affordability

Focuses on communities in need
Maximizes health access

Scale

Macro focus for micro solutions
National application
Identification of key considerations and barriers



Regarding Climate, Health and Equity a critical obstacle to collectively overcome in 12 months is...

The lack of a stakeholder-driven replicable framework for rural communities to implement sustainable clean transportation solutions.

