



# 2019 UCLA Arrowhead Symposium: Routes to Opportunity - Connecting Equity & Transportation

CARB Presentation, Session #2: Advancing California's  
Environmentally-just Transportation Future  
October 20, 2019

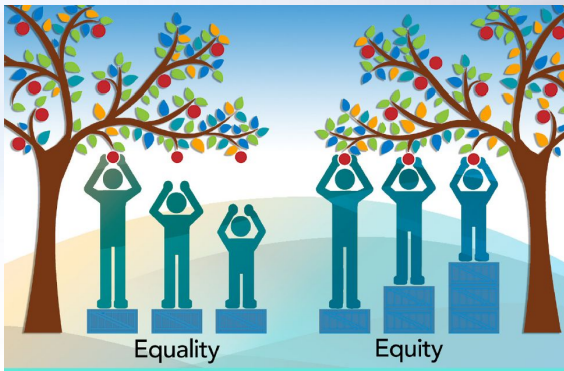


# Connecting Transportation and Access

- Critical for underserved communities
- Increase access to goods/services, economic opportunities, in addition to general mobility
- Want communities to have cleaner, safer, and more reliable mobility options available
- Carefully balance access with other air quality goals
- Presents need for broad investments across mobility options

# Importance of Clean Transportation Equity

- Access is a critical mechanism in achieving transportation equity
- Helps defines our clean transportation future
- Allows for better understanding barriers and how we can collectively overcome them



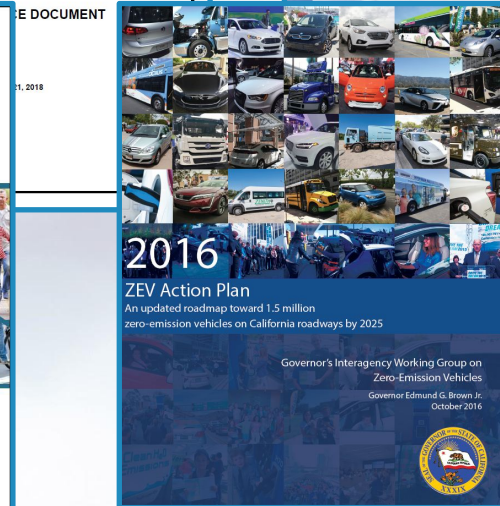
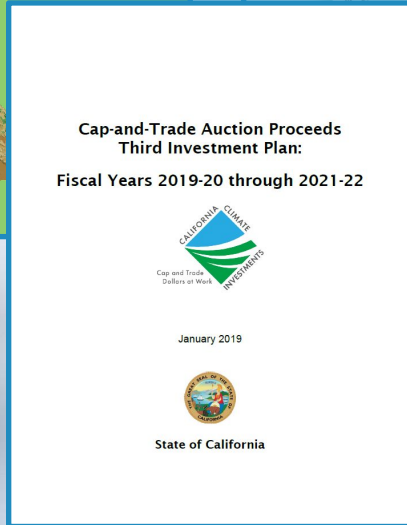
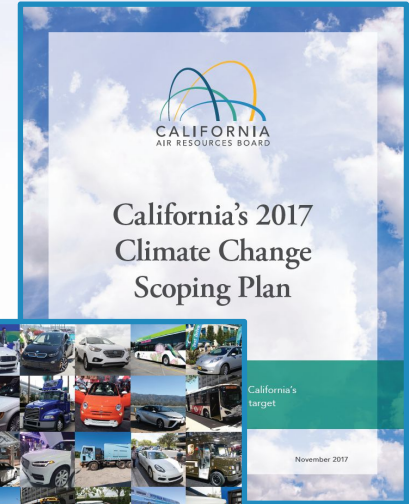
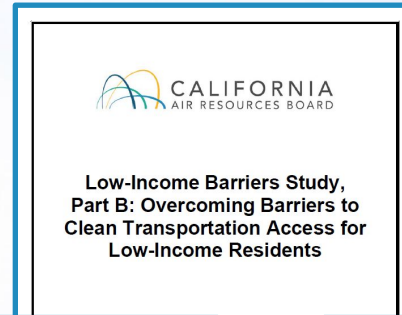
# Access and Transportation Opportunities

- Increasing access increases opportunities
- Providing cleaner alternatives helps achieve goals
- Statewide investments are:
  - helping to jump start transformation of the transportation sector
  - increasing clean transportation access
  - providing new clean transportation opportunities that also allow for access to essential services
- Recognizing the challenges and importance of rural mobility in meeting climate goals

# Funding Plan for Clean Transportation Incentives

- Blueprint for expending the Low Carbon Transportation and Air Quality Improvement Program funds
- Establishes priorities for the funding cycle
- Describes policy drivers and the vision for advanced technology mobile source investments
- A funding plan is submitted to the Board for approval each fiscal year
  - The Fiscal Year 2019-2020 Plan will be presented October 24

# Policy Drivers and Guiding Documents



# Role of Clean Transportation Incentives

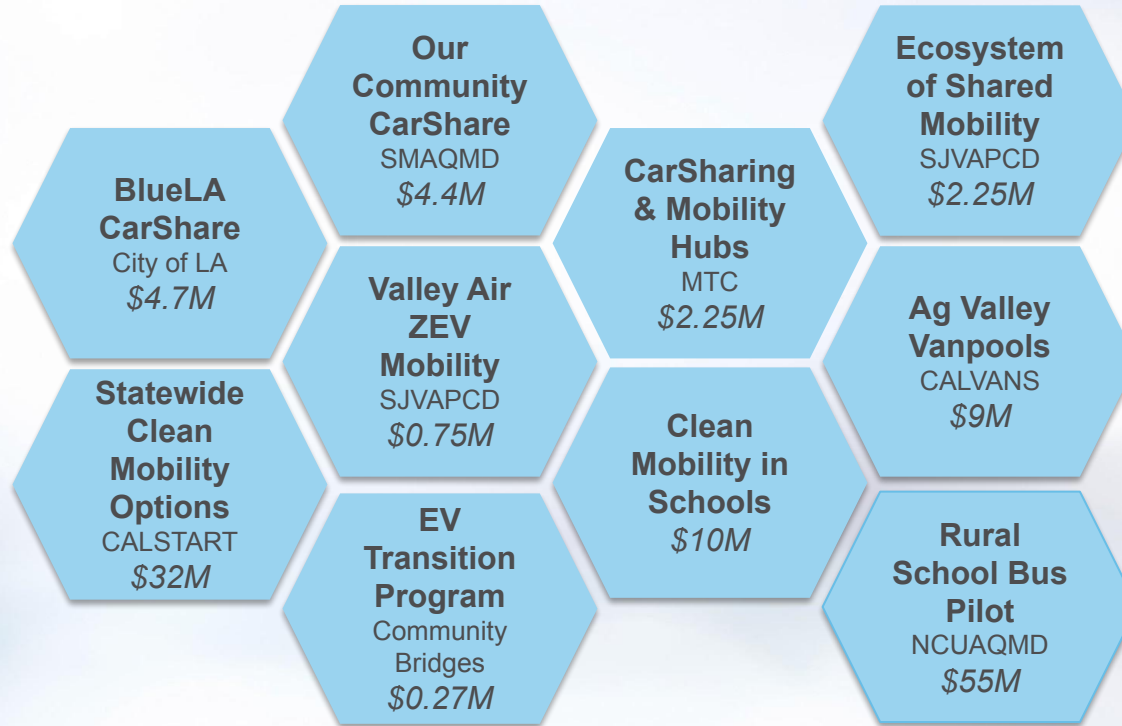
- Provide climate, air quality, and economic benefits
- Accelerate development and deployment of clean technologies
- Improve access to clean transportation
- Benefit priority populations
- Support State policies and goals
- Complement other programs and investment strategies

# Proposed Funding Allocations in FY 2019-20 Funding Plan

- \$533 million in clean transportation investments
  - \$485 million for Low Carbon Transportation Program
  - \$48 million for the Air Quality Improvement Program
- Low Carbon Transportation includes:
  - \$238 million in vehicle purchase incentives
  - \$65 million in clean transportation equity investments
  - \$182 million in clean truck and bus and advanced technology heavy-duty investments

**\$1.7 billion** appropriated to CARB for Low Carbon Transportation projects over the past six budget cycles

# Clean Mobility Projects



# Vehicle Purchase Incentives & Outreach

## **Clean Cars 4 All**

*Multiple air  
districts*

**\$112M**

## **Financing Assistance**

*Local: CHDC  
Statewide: BSF*

**\$35.9M**

## **One Stop Shop**

*Grid  
Alternatives*

**\$5M**

# Project Overview

- Addressing multiple barriers and needs through a broad portfolio of investments
- Implementing a suite of clean mobility projects statewide
- Main goal is to increase access to clean mobility options for low-income and disadvantaged communities
- Promoting social and environmental equity
- Offering alternatives to vehicle ownership and complimentary options:
  - Zero-emissions car share, shuttles, and vanpools
  - E-bike/bike share
  - First mile / last mile solutions and other mobility enhancements

# Project Grantees and Partners

- CARB pilots involve multiple project administrators
- Rely on existing or new partnerships and networks including local air districts and community based organizations
- Partnerships allow for:
  - Breadth of expertise
  - Broader understanding of community needs
  - Holistic approaches to overcoming barriers to clean mobility access
- Processes in place to share and build from lessons learned

# Equity: Building Strong Partnerships



# How Have Clean Transportation Investments Changed?

- Including community transportation needs assessments in project design at the onset
- Providing funding opportunities for community transportation needs assessments to be conducted
- Increasing opportunities for technical assistance and capacity building
- More robust outreach and education efforts across programs
- Increasing participation and project uptake
- Streamlining application processes
- Building on successes of previous investments and incorporate lessons learned

# Benefits Achieved from Community Investments

- Reduce greenhouse gases and localized pollution
- Increase awareness of funding opportunities and mobility options available
- Provide CARB with critical information to adapt policies and programs over time
- Successes are found where we benefit the most residents and provide them with innovative solutions

# Monitoring Progress of Investments

- Increasing access to mobility options over time
- Meeting targets for investments in low-income and disadvantaged communities
- Economic, environmental, and public health co-benefits
- Supporting ongoing implementation of SB 350 recommendation
- Increasing participation and understanding where additional outreach or technical assistance is needed
- Clean mobility improvements experienced by residents
- Providing a portfolio of incentive programs that complement regulatory programs to reduce emissions and increase access

# Barriers and Key Lessons Learned

- Clean mobility projects are complex and take a lot of time to implement
- Projects should consider the upfront time and investments needed to increase awareness and community partnership
- Projects do not provide a one-size fits all solution
- Clean transportation infrastructure installation is complicated
- Multi-lingual outreach and on-site project support is critical to resident participation
- Data from these projects and user experiences are helping inform future investments
- Access to more predictable funding is critical for sustainability

# Plan for Clean Transportation Equity

- Continue funding clean transportation equity projects
- Address community-identified transportation needs, including through new Sustainable Transportation Equity Project (STEP)
- Transition from pilot phase and apply lessons learned
- Identify pathways to make projects sustainable and continue community investments
- Refine methods of measuring success
- Continue collaboration across projects at state and local levels

# Thank You!

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