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<th>Docket Number:</th>
<th>16-OIR-06</th>
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<tr>
<td>Project Title:</td>
<td>Senate Bill 350 Disadvantaged Community Advisory Group</td>
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<td>Document Title:</td>
<td>Item 5 - California Air Resources Board presentation on Light Duty Vehicles and Clean Transportation Equity Investments</td>
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<tr>
<td>Filer:</td>
<td>Kristy Chew</td>
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<td>Organization:</td>
<td>California Energy Commission</td>
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Presentation Overview

- Low Carbon Transportation Program
- ZEV Deployment Goals
- Car Ownership Projects
- Clean Mobility Equity Projects
- Q&A
Low Carbon Transportation Program

• Designed to accelerate transition to advanced technologies
• Part of annual funding plan process which provides:
  • Blueprint for expending funds in State budget
  • Priorities for each funding cycle
  • 3-year vision for how investments will evolve over time
• Includes large-scale, multi-year investments
• Complemented by other state and local programs
Light-Duty Investments

• Support long-term fleet transformation
• Operationalize CARB’s equity goals by prioritizing community inclusion in decision-making
• Build understanding of community needs
• Result in public health, transportation cost, connectivity, and other co-benefits
Policy Drivers and Guiding Documents

- Mobile Source Strategy
- California Sustainable Freight Action Plan
- Low-Income Barriers Study, Part B: Overcoming Barriers to Clean Transportation Access for Low-Income Residents
- 2018 Progress Report: California's Sustainable Communities and Climate Protection Act
- California's 2017 Climate Change Scoping Plan
- Cap-and-Trade Auction Proceeds: Third Investment Plan Fiscal Years 2019-20 through 2021-22
- ZEV Action Plan

2016 ZEV Action Plan
An updated roadmap toward 1.5 million zero-emission vehicles on California roadways by 2025
ZEV Deployment Goals

• Light-duty investments intended to accelerate deployment of cleanest technology vehicles:
  • 1 million ZEVs by 2023
  • 1.5 million ZEVs by 2025
  • At least 5 million ZEVs by 2030
• Help meet air quality, climate and equity goals
Clean Transportation Equity Projects – Approximately $343M Invested To-Date

- **Clean Cars 4 All**
  - Multiple air districts
  - $112M

- **Financing Assistance**
  - Local: CHDC
  - Statewide: BSF
  - $46.8M

- **BlueLA CarShare**
  - City of LA
  - $4.7M

- **One Stop Shop**
  - Grid Alternatives
  - $10M

- **Our Community CarShare**
  - SMAQMD
  - $7.4M

- **Valley Air ZEV Mobility**
  - SJVAPCD
  - $0.9M

- **Needs Assessments & Technical Assistance**
  - TBD
  - $2M

- **CarSharing & Mobility Hubs**
  - MTC
  - $3M

- **Clean Mobility in Schools**
  - $24.5M

- **Statewide Clean Mobility Options**
  - CALSTART
  - $37M

- **Ecosystem of Shared Mobility**
  - SJVAPCD
  - $3.1M

- **Ag Worker Vanpools**
  - CALVANS
  - $6M

- **Rural School Bus Pilot**
  - NCUAQMD
  - $63M

- **Lift Line Paratransit**
  - Community Bridges
  - $0.5M
Car Ownership Projects

- Clean Vehicle Rebate Project
- Clean Cars 4 All
- Financing Assistance Project
Clean Vehicle Rebate Project

- First-come, first-serve consumer vehicle rebates for:
  - Light-duty ZEVs
  - Plug in hybrid electric vehicles
  - Zero-emission motorcycles
- Partially offsets cost of advanced technology adoption
- Rebate amounts based on income and vehicle technology type
Clean Cars 4 All

- Light-duty vehicle scrap and replace incentives
- Benefits lower-income consumers in and near disadvantaged communities
- New or used hybrid, plug-in hybrid, or ZEV replacement vehicles
- Home charging incentives for eligible vehicle types
Financing Assistance Project

- Financial resources to purchase clean vehicles
- Offers vehicle price buy-downs at point-of-sale and low interest loans
- Funding for electric vehicle supply equipment
- Includes a local and statewide project
- Pilot under development: Zero Emission Assurance Project
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<th>Regional Clean Mobility Equity Projects</th>
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<tr>
<td>Our Community Car Share – Sacramento</td>
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<tr>
<td>BlueLA – Los Angeles</td>
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<td>EcoSystems of Shared Mobility – San Joaquin Valley</td>
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<td>Valley Air ZEV Mobility – San Joaquin Valley</td>
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<tr>
<td>Car Sharing and Mobility Hubs in Affordable Housing – Oakland, Richmond, and San Jose</td>
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<tr>
<td>Community Bridges’ Lift Line Paratransit – Watsonville</td>
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**Statewide Clean Mobility Equity Projects**

- Clean Mobility Options Voucher Pilot
- Sustainable Transportation Equity Project
- California Vanpool Authority (CalVans)
- Rural School Bus Pilot
- Clean Mobility in Schools
Outreach, Capacity Building and Technical Assistance

- $12M Allocated To-Date
- One Stop Shop Pilot Project
- Capacity Building and Technical Assistance
  - Community Transportation Needs Assessments
  - Application and Implementation Technical Assistance
  - Workforce Training and Development
Equity Project Progress

- Established programs are maturing and expanding
- Continue to overcome various implementation challenges
- Focused on advancing equity goals and guiding projects toward long-term sustainability
- Strong interest and participation in newly launched projects
- Jump starting clean transportation transformation
Barriers and Key Lessons

- Clean mobility projects are complex and take time to implement
- Clean transportation infrastructure installation is complicated
- Multi-lingual outreach and on-site project support is critical
- Data from these projects and user experiences are helping inform future investments
- Access to more predictable funding is critical for sustainability
- Projects do not provide a one-size fits all solution
Path Forward for Equity

- Prioritize equity projects and principles across programs
- Balance funding to maximize project reach and immediate benefits
- Continue implementing SB 350 priority recommendations
- Continue identifying metrics to evaluate projects and outreach
- Incorporate workforce training and development opportunities into existing projects to support the green economy
- Deepen interagency collaboration and partnership
Contact Us

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