

Appendix G: Low Carbon Transportation Investment Project Summaries

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Background

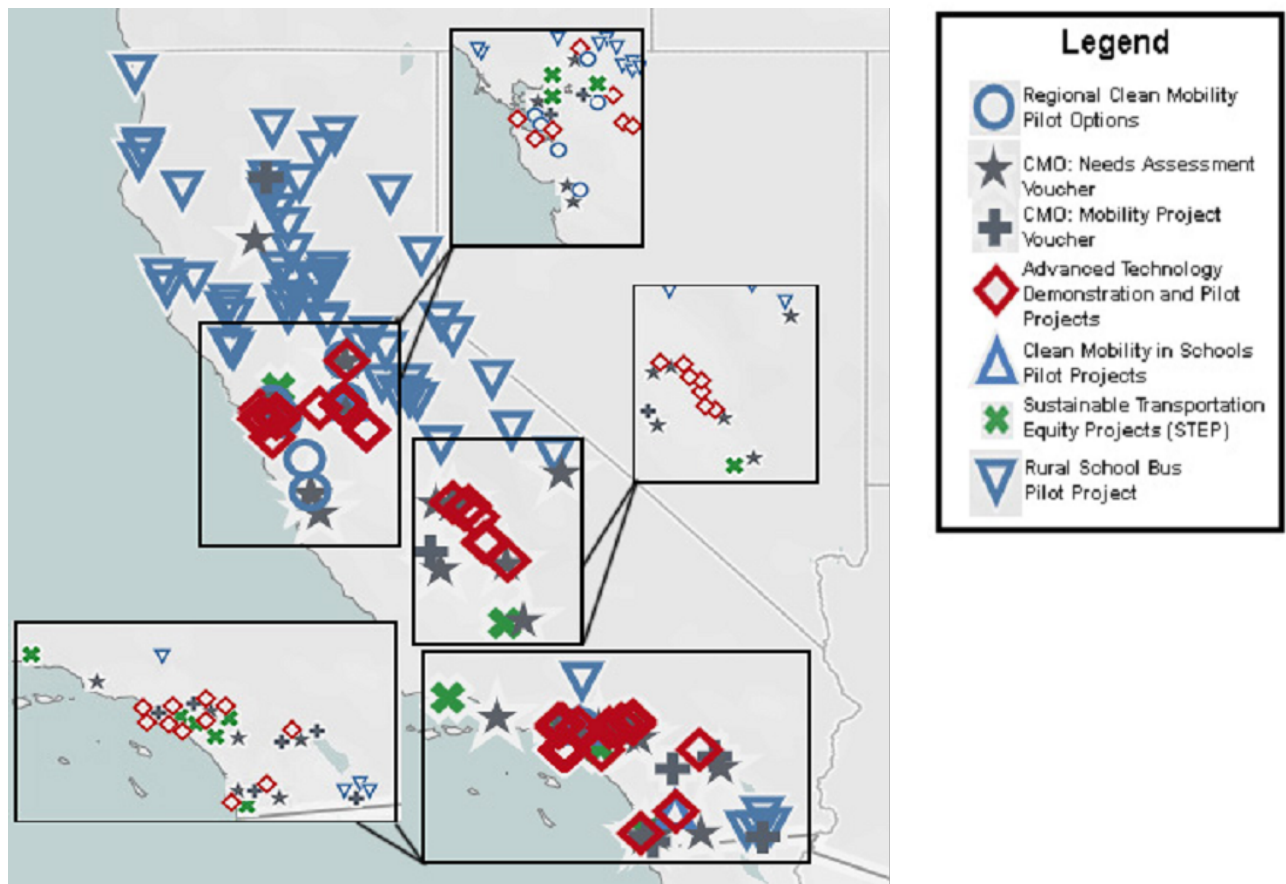
Low Carbon Transportation Investment projects are a key component in California's long-term transformation to clean and equitable transportation. Below are summaries of California Air Resources Board (CARB) funded community-specific projects that have charted paths to clean transportation equity and spurred heavy-duty advanced clean technologies. There are five different categories of funded projects highlighted in this appendix: Regional Clean Mobility Projects, Clean Mobility Options Voucher Pilots (CMO), Sustainable Transportation Equity Projects (STEP), Clean Mobility in Schools Projects (CMiS) and Advanced Technology Demonstration and Pilot Projects. While all of CARB's Low Carbon Transportation Investments contribute to accelerated deployment of cleaner transportation and corresponding community health benefits, the projects identified in this appendix are community-specific with direct benefits attributed to those communities in and surrounding the project locations. First is a statewide snapshot of all projects within these categories, followed by program-specific statewide snapshots of each of the five project categories, and finishing with individual project descriptions by region.

All Projects Statewide

Figure 1 is a statewide snapshot showing the locations of all projects presented in this appendix. Each of these projects are described in more detail below and include demographic information on the project participants and communities being served, to the extent that information is available.

As part of the annual Funding Plan process and to continually improve the implementation and benefits of clean transportation funding for communities, CARB and project grantees conduct ongoing evaluations of these projects to identify challenges and barriers, as well as lessons learned and opportunities for changes to improve program funding. Most recently, CARB is evaluating project uptake, individually and collectively, to identify communities and regions where there may be disproportionate funding allocations. In addition, CARB is comparing this information with demographic data to better understand the demographic makeup of communities and populations that have benefitted from CARB's clean transportation investments, as well as those that are being left out. Based on this information, CARB plans to work with its project administrators and outreach partners to target under-represented communities and populations, connect with local and grassroots community-based organizations, increase outreach to those priority populations, establish future target participation goals and evaluate the benefits and progress in providing more equitable clean transportation funding and opportunities.

Figure G-1: All Projects Statewide



Low Carbon Transportation Investment Projects

Below are statewide snapshots of the five categories of clean transportation investments that are highlighted in this document, including Regional Clean Mobility Pilot Projects, CMO, STEP, CMiS, and the Advanced Technology Demonstration and Pilot projects. For each category, there is a description of the project types that are funded, project implementation timeframes, the amount of funding that has been encumbered to the category (in grant agreement) and implemented (spent on project implementation), and a statewide map showing the approximate geographical locations for each of the projects that have been funded.

Regional Clean Mobility Pilot Projects

These projects are intended to assess the barriers and transportation needs of low-income residents and disadvantaged communities and provide funding for mobility options to help address those needs. By combining community transportation needs assessments, other forms of community input and engagement, and direction from the Senate Bill 350 Guidance Document¹, projects in this category are tailored to meet communities' unique transportation needs and improve access to affordable, convenient, and reliable clean mobility options that do not require but can complement vehicle ownership, such as car-sharing and ridesharing services.

Total Funding Encumbered: \$23,932,809

Total Funding Implemented To-Date: \$17,220,000

Project Implementation Timeframe: 2015 – Ongoing

Percent Benefitting Low-Income Residents/Disadvantaged Communities: 100% (DAC)

Overall Demographics of Communities Served by Project Category:

Hispanic 44%, White 25%, Asian 21%, African American 7%, and Other 3%

Figure G-2: Regional Clean Mobility Pilot Projects Statewide



¹ CARB. "Low-Income Barriers Study, Part B: Overcoming Barriers to Clean Transportation Access for Low-Income Residents" February 2018. https://ww2.arb.ca.gov/sites/default/files/2018-08/sb350_final_guidance_document_022118.pdf

Clean Mobility Options Voucher Pilot Program

CMO is a statewide voucher-based funding program that supports zero-emission shared and on-demand services such as car-sharing, ridesharing, bike-sharing, and innovative transit services for low-income and disadvantaged communities. CMO offers 2 voucher types: Mobility Project Vouchers and Community Transportation Needs Assessment Vouchers. Eligible applicants include public agencies, nonprofit organizations, and tribal governments. In 2020, the program's first year, a total of \$20,664,408 in voucher funds was awarded using a first-come, first-served approach as follows:

Total Funding Encumbered: \$45,196,000

- 2020 Community Transportation Needs Assessment Voucher Recipients
 - Total Awardees: 24
 - Total Funding: \$1,150,000
- 2020 Mobility Project Voucher Recipients
 - Total Awardees: 20
 - Total Funding: \$19,514,000

Total Funding Implemented To-Date: \$18,260,000

Project Implementation Timeframe: 2015 – Ongoing

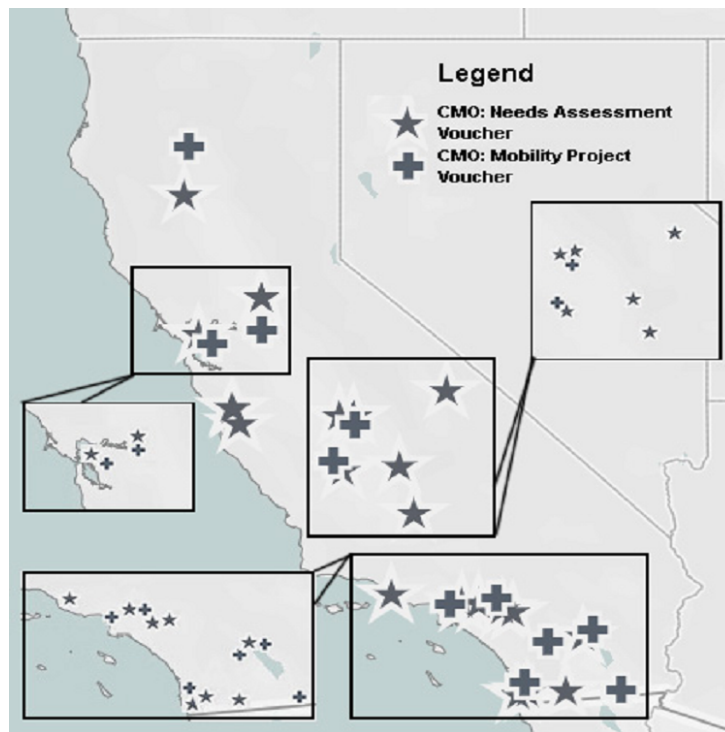
Percent Benefitting Low-Income Residents/Disadvantaged Communities:

100% (LI 14%; DAC 86%)

Overall Demographics of Communities Served by Project Category:

Hispanic 58%, White 17%, African American 13%, Asian 10%, and Other 2%

Figure G-3: CMO Projects Statewide



Sustainable Transportation Equity Project

STEP takes a community-based approach to overcoming barriers to clean transportation. STEP's overarching purpose is to increase transportation equity in disadvantaged and low-income communities throughout California via two grant types: Planning and Capacity Building Grants and Implementation Grants. STEP aims to address community residents' transportation needs, increase residents' access to key destinations (e.g., schools, grocery stores, workplaces, community centers, medical facilities), and reduce greenhouse gas emissions. STEP requires that projects rely on the knowledge and expertise of residents through all phases of project design, implementation, and evaluation and has the flexibility to fund many different types of projects to ensure that STEP funds help meet the needs of each community within that community's context.

Total Funding Encumbered: \$44,500,000

- \$19.5 million was awarded in fiscal year (FY) 2019-20 as follows:
 - \$1.75 million to 8 Planning and Capacity Building grantees
 - \$17.75 million to three Implementation grantees
 - San Joaquin Council of Governments, \$7.5 million
 - City of Commerce, \$3.25 million

- Los Angeles Department of Transportation (LADOT), \$7 million
- \$25 million was awarded in FY 2021-22 to additional preliminary grantee selections:
 - LADOT, \$6.7 million
 - San Francisco Municipal Transportation Agency, \$10.5 million
 - Oakland Department of Transportation, \$8 million

Total Funding Implemented To-Date: \$6,050,000

Project Implementation Timeframe: 2021 - Ongoing

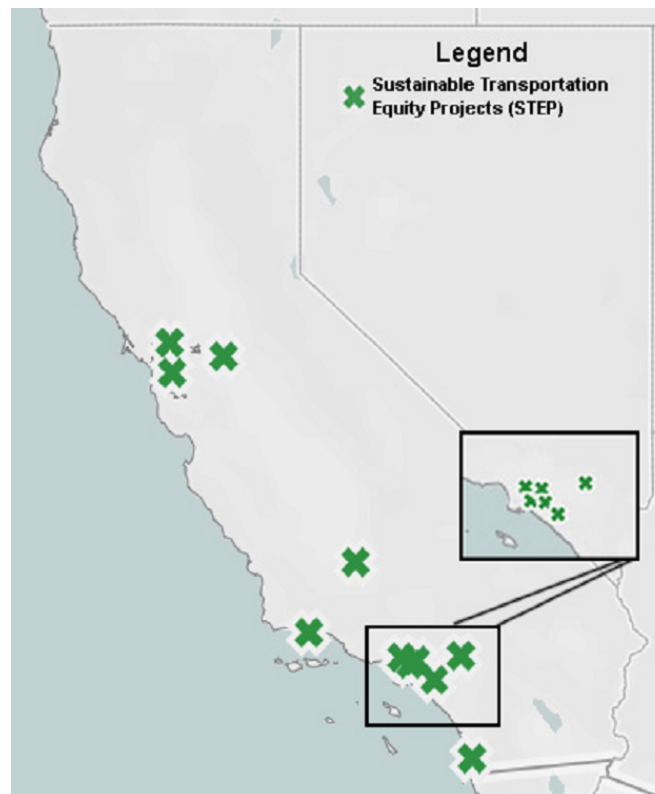
Percent Benefitting Low-Income Residents/Disadvantaged Communities:

100% (LI 1%; DAC 99%)

Overall Demographics of Communities Served by Project Category:

Hispanic 57%, White 19%, African American 11%, Asian American 10%, and Other 3%

Figure G-4: STEP Projects Statewide



Clean Mobility in Schools Projects

Facilitating bold transformations in transportation and mobility opportunities in and around schools in disadvantaged communities, CMiS encourages and accelerates the deployment of new zero-emission school buses, school fleet vehicles, passenger cars, lawn and garden equipment, and incorporates alternative modes of transportation such as, transit vouchers, active transportation elements, and bicycle share programs. CMiS projects aim to increase knowledge and acceptance of zero-emission mobility options for staff, students, parents, and the surrounding communities.

Total Funding Encumbered: \$34,600,000

- \$24.6 million was awarded in FY 2018-19 and FY 2019-20 as follows:
 - El Monte Union High School District, \$9.8 million
 - San Diego Unified School District, \$9.8 million
 - Stockton Unified School District, \$4.9 million
- \$10 million was awarded in FY 2021-22 to additional preliminary grantee selections:
 - Stockton Unified School District, \$2.3 million
 - Twin Rivers Unified School District, \$7.4 million

Total Funding Implemented To-Date: \$18,020,000

Project Implementation Timeframe: 2020 – Ongoing

Percent Benefitting Low-Income Residents/Disadvantaged Communities: 100% (DAC)

Overall Demographics of Communities Served by Project Category:

Hispanic 36%, White 36%, Asian 16%, African American 7%, and Other 5%

Figure G-5: CMiS Projects Statewide



Advanced Technology Demonstration and Pilot Projects

Advanced Technology Demonstration and Pilot Projects is a funding category intended to help accelerate the next generation of heavy-duty advanced technology vehicles, equipment, or emission controls, which are not yet commercialized. Typically, local air districts, other public agencies and California-based non-profit organizations would be eligible to apply for these projects to demonstrate promising technologies to reduce emissions.

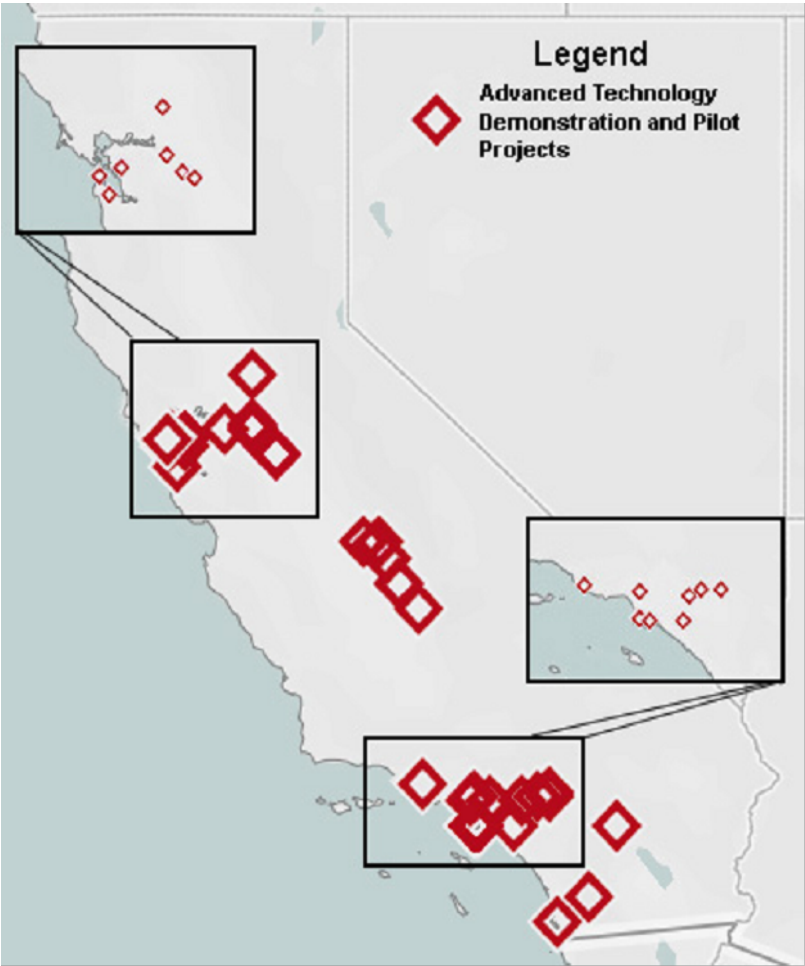
Total Funding Encumbered: \$482,000,000

Total Funding Implemented To-Date: \$401,490,000

Project Implementation Timeframe: 2015 – Ongoing

Percent Benefitting Low-Income Residents/Disadvantaged Communities: 99% (DAC)
Overall Demographics of Communities Served by Project Category: Not Available

Figure G-6: Advanced Technology Demonstration and Pilot Projects Statewide



Projects by Region

The following tables provide a brief description of each project by region. For purposes of illustrating projects regionally, California has been split into four regions: Northern Region, Central Region, Coastal Region, and Southern Region. Included in the titles are links to web pages with more information on the project scope, location, information on partners and stakeholders, lessons learned, and potential emission benefits.

Included in the Project Details are project participant racial and income demographic information, if available and as collected by project participant surveys, for those projects

that provide a mobility service to community members. If participant information is not available and for the Advanced Technology Demonstration and Pilot projects, racial demographics are shown for community/census tracts served by, or surrounding, the project (based on 2020 US Census data). This information helps show who in the community the projects are benefitting. Not all projects have collected participant demographic data in the past; however, grantees are now beginning to collect this information going forward to help evaluate program effectiveness and benefits to communities.

Northern Region:

All Funded Projects for Northern Region (Counties include: Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, Yolo, and Yuba)

Table G-1: CARB Projects Funded in the Northern Region

Project Name/Grantee	Project Details
Regional Clean Mobility Pilot Projects	
Our Community CarShare Sacramento Pilot Project Grantee: Sacramento Metropolitan Air Quality Management District	<p>Provides carsharing and subsidizes transportation services for residents in participating affordable housing communities located in disadvantaged communities. The current project serves 8 affordable housing communities with 2 battery electric vehicles and 2, level II chargers per site (16 total).</p> <p>Location: Sacramento Grant Amount: \$5,863,847 Resource Contribution: \$1,841,760 Project Participant Demographic Information: 30% Hispanic/Latino, 27% White, 19% Asian, 12% Black/African American, and 12% Other Average Annual Household Income: \$25,313</p>
CMO	
CRP Rideshare Initiative Community Transportation Needs Assessment Grantee: Community Resource Project	<p>Implemented an online, map-based survey distributed by high school students to family and friends. Community engagement included driver-passenger interviews where participants were given a real-life experience of rideshare and were interviewed.</p> <p>Location: Sacramento Grant Amount: \$49,970 Resource Contribution: N/A Demographics of Community Served by Project: 14% White, 42% Hispanic/Latino, 23% Asian, 12% Black/African American, and 9% Other Median Household Income: \$38,968</p>

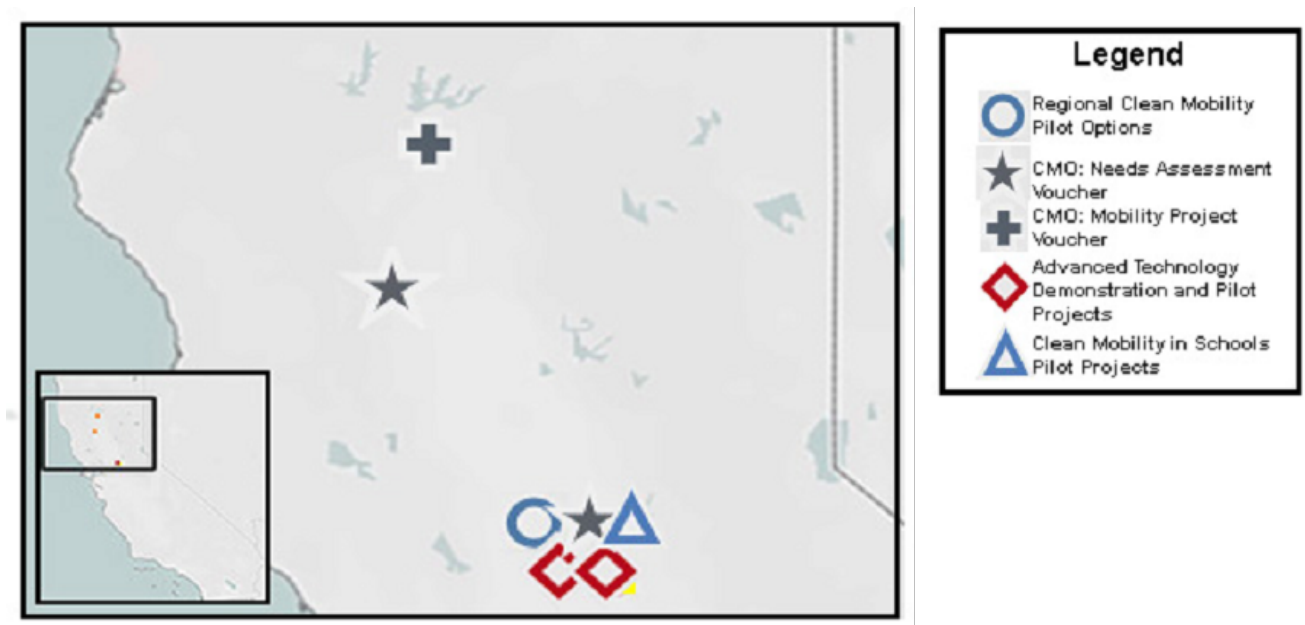
Project Name/Grantee	Project Details
CMO	
Mobility Needs Assessment for Paskenta Band of Nomlaki Indians' Tribal Members and Business Operations Grantee: Paskenta Band of Nomlaki Indians	Engagement and outreach to community groups throughout the needs assessment process using data collection techniques, such as surveys, telephone interviews, and listening circles. Location: Paskenta Reservation in Tehama County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: Unavailable
Sacramento Public Library Carshare Initiative Community Transportation Needs Assessment Grantee: Sacramento Public Library	Used surveys, interviews, virtual engagement strategies, and online map-based tools, and worked with local high school students to be ambassadors in engaging community groups and members. Participants included residents, local organizations, and stakeholders who may benefit from a new clean mobility service. Location: South Sacramento (Southgate) in Sacramento County Grant Amount: \$49,800 Resource Contribution: N/A Demographics of Community Served by Project: 32% White, 28% Hispanic/Latino, 19% Asian, 14% Black/African American, and 7% Other Median Household Income: \$44,308
Redding Bikeshare Grantee: The McConnell Foundation	Implementation of Downtown Redding's first bikeshare program to provide affordable housing residents with 70 bikes and stations for an affordable and reliable way to get around. Location: Redding downtown area in Shasta County Grant Amount: \$1,000,000 Resource Contribution: \$443,680 Demographics of Community Served by Project: 76% White, 11% Hispanic/Latino, 5% Asian, 3% Black/African American, and 2% Other Median Household Income: \$28,048

Project Name/Grantee	Project Details
CMiS Projects	
<p>California Capital Pilot Project (web page coming soon)</p> <p>Grantee: Twin Rivers Unified School District</p>	<p>Includes a suite of zero-emission technologies to be deployed at four school sites, including zero-emission school buses, maintenance vehicles, delivery vans, lawn and garden equipment, carsharing vehicles, and vanpooling shuttles, as well as the needed charging infrastructure to directly serve the vehicle and equipment energy needs onsite.</p> <p>Location: Sacramento County Grant Amount: \$7,440,788 Resource Contribution: \$2,633,1212 Project Participant Demographic Information: Median Household Income: \$68,347 Demographics of Community Served by Project: 44% White, 19% Hispanic/Latino, 16% Asian, 9% Black/African American, and 12% Other</p>
Advanced Technology Demonstration and Pilot Projects	
<p>Next Generation Fuel Cell Delivery Van Deployment</p> <p>Grantee: Center for Transportation and the Environment</p>	<p>Building and demonstrating 4 fuel cell hybrid-electric walk-in delivery vans featuring Linamar’s new Gen 2.0 eAxle design for use at the UPS Customer Service Facility in West Sacramento. The objective is to promote future commercialization of fuel cell vehicles that will significantly transform the parcel delivery market while achieving greenhouse gas, criteria pollutant, and toxic emission reductions.</p> <p>Location: West Sacramento Grant Amount: \$5,831,866 Resource Contribution: \$5,838,236 Demographics of Community Surrounding Project: 45% White, 33% Hispanic/Latino, 12% Asian, 5% Black/African American, and 5% Other</p>

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
Sacramento Regional Zero-Emission School Bus Deployment Project* Grantee: Sacramento Metropolitan Air Quality Management District	Deployment of zero-emission school buses to illustrate that commercially available zero-emission school buses have the best total cost of ownership, substantially improve maintenance and performance, and optimally serve the needs of school districts to transport California's children to and from school. Location: Greater Sacramento Region Grant Amount: \$7,535,643 Resource Contribution: \$6,949,826 Demographics of Community Surrounding Project: 32% White, 28% Hispanic/Latino, 19% Asian, 14% Black/African American, and 7% Other

* Projects have been completed

Figure G-7: Northern Region Map



Central Region:

All Funded Projects for Central Region (Counties include: Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Mono, San Joaquin, Stanislaus, Tulare, and Tuolumne)

Table G-2: CARB Projects Funded in the Central Region

Project Name/Grantee	Project Details
Regional Clean Mobility Pilot Projects	
Ecosystem of Shared Mobility in the San Joaquin Valley Grantee: San Joaquin Valley Air Pollution Control District	<p>A suite of mobility services located in six disadvantaged counties in the San Joaquin Valley. The first pilot is an electric vehicle carsharing service known as Míocar, located in affordable housing complexes in eight rural communities in Tulare and Kern counties. The second is a volunteer ridesharing service, known as VOGO, which supplements existing transit services in transport-disadvantaged rural areas in San Joaquin and Stanislaus counties. The third is a Mobility-as-a-Service (MaaS) platform that allows planning and payment for fixed and demand-responsive transit services, including VOGO, in San Joaquin and Stanislaus counties.</p> <p>Location: San Joaquin Valley Grant Amount: \$3,119,000 Resource Contribution: \$1,311,084 Project Participant Demographic Information: <u>Míocar:</u> 77% Hispanic/Latino and 23% Other 20% below \$25,000 annual household income (AHHI), 18% between \$25,000 and \$50,000 AHHI, and 62% over \$50,000 AHHI <u>VOGO:</u> 70% White, 9% American Indian, 9% Hawaiian or Pacific Islander, 4% Asian, and 8% Other 40% below \$10,000 AHHI, 50% between \$10,000 and \$25,000 AHHI, and 10% over \$25,000 AHHI <u>MaaS:</u> 37% Hispanic/Latino and 63% Other 9% below \$10,000 AHHI, 18% between \$10,000 and \$25,000 AHHI, 24% between \$25,000 and \$50,000 AHHI, and 49% over \$50,000 AHHI</p>

Project Name/Grantee	Project Details
Regional Clean Mobility Pilot Projects	
<u>Valley Air ZEV Mobility Pilot Project</u> Grantee: San Joaquin Valley Air Pollution Control District	<p>An advanced clean carsharing and mobility options project that operated in disadvantaged communities within Cantua Creek and Delhi. The funding supports the Electric Vehicle Supply Equipment infrastructure in San Joaquin Valley, offering participants a combined EV vanpooling and carsharing service.</p> <p>Location: San Joaquin Valley Grant Amount: \$749,800 Resource Contribution: \$1,160,300 Project Participant Demographic Information: Cantua Creek Site: 19% below \$15,000 annual household income (AHHI), 63% between \$15,000 and \$30,000 AHHI, and 18% over \$30,000 AHHI Delhi Site: 33% below \$15,000 AHHI, 33% between \$15,000 and \$30,000 AHHI, and 34% over \$30,000 AHHI Demographics of Community Served by Project: Cantua Creek: 99.5% Hispanic/Latino and 0.5% White Delhi: 74% Hispanic/Latino, 20% White, 4% Asian, and 2% Other</p>
CMO	
<u>Clean Transportation Needs Assessment for the Three Palms Mobile Home Park and RV Park</u> Grantee: City of Fresno Department of Transportation Fresno Area Express	<p>Engagement and outreach to the community members using a variety of methods such as quantitative and qualitative bilingual surveys, virtual meetings, social distanced gatherings, and educational materials. Transportation needs assessment focused on the Three Palm Mobile Home Park and RV Park in Fresno.</p> <p>Location: Fresno Grant Amount: \$48,430 Resource Contribution: \$145,290 Demographics of Community Served by Project: 50% Hispanic/Latino, 26% White, 14% Asian, 7% Black/African American, and 3% Other Median Household Income: \$33,657</p>

Project Name/Grantee	Project Details
CMO	
Fresno EOC Community Transportation Needs Assessment Grantee: Fresno Economic Opportunities Commission	Engagement and outreach to the community groups and community members using a variety of resident surveys, community forums, focus groups, online, and social media platforms. The Fresno EOC worked with the agency's transit systems to determine how far and where rural residents travel for various needs and considered factors like travel costs, vehicles per household and household size, and barriers to accessing public transportation services. Location: Del Rey, Firebaugh, Fowler, Kerman, Mendota, Parlier in Fresno County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 76% Hispanic/Latino, 16% White, 6% Black/African American, and 2% Asian Median Household Income: \$43,751
Biola Community Transportation Needs Assessment Grantee: Fresno County Rural Transit Agency	Data collection and community engagement using various techniques and types, such as the formation of an advisory group, a focus group, virtual and telephone meetings, community events, and multi-lingual surveys, to engage community groups and community members. Location: Biola in Fresno County Grant Amount: \$36,880 Resource Contribution: N/A Demographics of Community Served by Project: 63% Hispanic/Latino, 18% White, 9% Black/African American, 9% Asian, and 1% Native American Median Household Income: \$52,440

Project Name/Grantee	Project Details
CMO	
Fresno Metro Ministry Southern Blackstone Transportation Needs Assessment Project Grantee: Fresno Metro Ministry	Engagement of community groups and community members involving a variety of outreach, such as surveys sent out through the mail, email, social media, and conducted by phone. Participants will include over 14,000 residents from the 3 census tracts. Location: Fresno Grant Amount: \$49,990 Resource Contribution: N/A Demographics of Community Served by Project: 61% Hispanic/Latino, 23% White, 9% Asian, 4% Black/African American, and 3% Other Median Household Income: \$32,750
Kern COG's Clean Mobilities Options Needs Assessment Grantee: Kern Council of Governments	Engagement and outreach to community members involving use of meetings, local events, bilingual surveys, and digital communications, such as social media, Facebook groups, and advertising. Location: Tejon, Tubatulabal, Delano, McFarland, Wasco, Shafter, Taft, Arvin, Buttonwillow, Lamont, Lake Isabella, and Bodfish in Kern County Grant Amount: \$49,924 Resource Contribution: N/A Demographics of Community Served by Project: 76% Hispanic/Latino, 17% White, 4% Asian, 2% Black/African American, and 1% Other Median Household Income: \$42,244

Project Name/Grantee	Project Details
CMO	
PUSD Energy and Sustainability Program Needs Assessment Grantee: Porterville Unified School District	Initial broad online survey of community members and collection of in-depth data and input from school faculty; elementary, middle, and high school students; school caregivers and parents through community forums, focus groups, surveys (digital/online questionnaire and personal interviews), and social media tools. Location: Porterville in Tulare County Grant Amount: \$48,802 Resource Contribution: N/A Demographics of Community Served by Project: 71% Hispanic/Latino, 23% White, 3% Asian, 1% Native American, and 2% Other Median Household Income: \$34,047
Kettleman City Community Transportation Needs Assessment Grantee: The Latino Equity Advocacy & Policy (LEAP) Institute	Engagement and outreach to community groups and members using variety of surveys, meetings, interviews, and bilingual educational materials. Participation open to all residents of community; however, survey will sample at least 10 percent of the population. Location: Kettleman City in Kings County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 88% Hispanic/Latino, 6% White, 2% Asian, 2% Native American, and 2% Other Median Household Income: \$53,979

Project Name/Grantee	Project Details
CMO	
Expansion of E-Bike Services in Fresno Grantee: Fresno Metro Black Chamber Foundation	Expansion of existing bike sharing program to serve the entire City of Fresno, supporting the infrastructure, maintenance, upkeep, and sustainability of the entire fleet of library and shared e-bike programs while adding 107 e-bikes with 7 funded by the voucher. Location: Fresno Grant Amount: \$599,500 Resource Contribution: \$239,000 Demographics of Community Served by Project: 53% Hispanic/Latino, 26% White, 11% Asian, 7% Black/African American, and 3% Other Median Household Income: \$38,578
Stockton Electric Vehicle Carshare Service Grantee: San Joaquin Council of Governments	Launch of an affordable round-trip carsharing service featuring 11 EVs distributed across 3 locations in the city of Stockton and the French Camp community, owned and/or operated by the Housing Authority of the County of San Joaquin. Location: Stockton and San Joaquin County Grant Amount: \$998,614 Resource Contribution: \$351,400 Demographics of Community Served by Project: Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other San Joaquin County: 43% Hispanic/Latino, 28% White, 19% Asian, 8% Black/African American, and 2% Other Median Household Income: \$38,012
Green Raitero and Green Cruiser Ride Sharing Grantee: LEAP Institute	Expansion of Green Raitero rideshare program, adding 3 EVs, and create a new Green Cruiser program with 30 e-tricycles and 10 smart docking stations, powered by solar energy. Location: Huron in Fresno County Grant Amount: \$1,000,000 Resource Contribution: \$157,033 Demographics of Community Served by Project: 95% Hispanic/Latino, 3% White, and 2% Other Median Household Income: \$22,391

Project Name/Grantee	Project Details
STEP	
Rebound the MLKcommUNITY: A Transportation Equity Roadmap Grantee: Circle of Life Development Foundation	<p>Equip community members with the knowledge and tools necessary to identify neighborhood-scale clean transportation needs and opportunities; educate the community about clean transportation options, such as bus ridership, EV car share programs, and active transportation; and ultimately empower residents to develop a roadmap and implementation strategy centered on mobility equity.</p> <p>Location: Bakersfield in Kern County Grant Amount: \$200,000 Resource Contribution: \$127,133 Demographics of Community Served by Project: 78% Hispanic/Latino, 11% White, 8% Black/African American, and 2% Asian Median Household Income: \$34,000</p>
Stockton Mobility Collective Grantee: San Joaquin Council of Governments	<p>Implementation of: 1) e-carsharing project with 30 battery-EVs throughout project area; 2) e-bikeshare project with 100 bikes at about 12 stations; 3) expansion of Vamos Mobility, a platform to add mobile transit ticketing, e-carsharing and e-bike sharing reservations and payments; and 4) transit and shared mobility incentives through the app to qualifying members.</p> <p>Location: South Stockton in San Joaquin County Grant Amount: \$7,480,385 Resource Contribution: \$18,742,000 Demographics of Community Served by Project: Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other Median Household Income: \$54,912</p>

Project Name/Grantee	Project Details
CMiS Projects	
Getting Stockton to Zero Emissions: Clean Air for Our Community Grantee: Stockton Unified School District	Development of a master plan for the entire school district while deploying pilot vehicles on a small scale for testing. Project includes four battery electric school buses and charging infrastructure, zero-emission commercial-grade landscape/custodial equipment, peer-led educational programs, a carbon emissions analysis, and cost-benefit evaluation of charging infrastructure. Location: Stockton Grant Amount: \$4,938,491 Resource Contribution: N/A Demographics of Community Served by Project: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other Median Household Income: \$44,841
Advanced Technology Demonstration and Pilot Projects	
Frito-Lay Zero- and Near-Zero Emission Project Grantee: San Joaquin Valley Air Pollution Control District	Replacement of all existing diesel-powered freight equipment at the facility with zero-emission and near-zero emission technologies. This project will transform the 500,000-square-foot site and deploy an array of clean vehicles and charging infrastructure. Location: Modesto Grant Amount: \$15,382,243 Resource Contribution: \$1,697,362 Demographics of Community Surrounding Project: 43% White, 41% Hispanic/Latino, 8% Asian, 5% Black/African American, and 3% Other

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
The Green On-Road Linen Delivery Project* Grantee: San Joaquin Valley Air Pollution Control District	<p>Deployment of 21 zero-emission all-electric walk-in vans to be used in linen deliveries, a delivery segment with routes for electrification. AmeriPride selected its Stockton, Merced, Fresno, and Bakersfield locations to demonstrate the technology in disadvantaged communities and to use in other locations in North America.</p> <p>Location: Stockton, Merced, Fresno, and Bakersfield Grant Amount: \$7,125,515 Resource Contribution: \$5,818,168 Demographics of Community Served by Project: Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other Merced: 58% Hispanic/Latino, 24% White, 11% Asian, 5% Black/African American, and 2% Other Fresno: 50% Hispanic/Latino, 26% White, 14% Asian, 7% Black/African American, and 3% Other Bakersfield: 51% Hispanic/Latino, 31% White, 7% Asian, 7% Black/African American, and 4% Other</p>

* Projects have been completed

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>Net-Zero Farming and Freight Facility Demonstration Project</u> Grantee: Project Clean Air, Inc.	Delivery and demonstration of 5 zero-emission, all electric battery Class 8 trucks with all-electric transport refrigeration units to the main demonstration site, Moonlight Companies in Reedley, California. The electric transport refrigeration units will operate 100 percent of the time within a disadvantaged community. Location: Reedley Grant Amount: \$3,283,735 Resource Contribution: \$3,283,735 Demographics of Community Surrounding Project: 79% Hispanic/Latino, 14% White, 2% Asian, 2% Black/African American, and 3% Other
<u>Porterville Transit Electrification*</u> Grantee: City of Porterville	Purchase and operation of 10 GreenPower Motor Company EV350 40-foot zero-emission all-electric transit buses on all 9 Porterville Transit fixed routes based from the Porterville Transit Center. To accommodate the 10 zero-emission buses, the City of Porterville installed 2 200-kilowatt hour (kWh) opportunity chargers at the Transit Center and 10 depot 200 kWh chargers at the bus yard. Location: Porterville Grant Amount: \$9,516,422 Resource Contribution: \$7,437,280 Demographics of Community Served by Project: 69% Hispanic/Latino, 23% White, 5% Asian, 1% Native American, and 2% Other

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>San Joaquin Valley Electric Tractor Development & Demonstration</u> Grantee: San Joaquin Valley Air Pollution Control District	Delivery of 4 zero-emission, all battery-electric 50 HP tractors and one zero-emission, all battery-electric Class 6 truck to the main demonstration site, Moonlight Companies in Reedley, CA. Location: City of Visalia, City of Modesto, and Fresno County Grant Amount: \$1,500,000 Resource Contribution: \$792,054 Demographics of Community Served by Project: Visalia: 52% Hispanic/Latino, 38% White, 6% Asian, 3% Black/African American, and 1% Other Modesto: 43% White, 41% Hispanic/Latino, 8% Asian, 5% Black/African American, and 3% Other Fresno County: 55% Hispanic/Latino, 27% White, 12% Asian, and 6% Black/African American
<u>The San Joaquin Valley Transit Electrification Project*</u> Grantee: San Joaquin Valley Air Pollution Control District	Accelerating deployment of commercially available heavy-duty, zero-emission, public transit buses to provide public benefits to disadvantaged communities throughout the San Joaquin Valley. Location: City of Visalia, City of Modesto, and Fresno County Grant Amount: \$13,414,215 Resource Contribution: \$8,764,606 Demographics of Community Served by Project: Visalia: 52% Hispanic/Latino, 38% White, 6% Asian, 3% Black/African American, and 1% Other Modesto: 43% White, 41% Hispanic/Latino, 8% Asian, 5% Black/African American, and 3% Other Fresno County: 55% Hispanic/Latino, 27% White, 12% Asian, and 6% Black/African American

* Projects have been completed

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>San Joaquin Valley Zero-Emission Cargo Handling Demonstration Project*</u> Grantee: San Joaquin Valley Air Pollution Control District	Accelerating commercial deployment of zero-emission off-road technologies by demonstrating 2 state-of-the-art battery-electric 30,000-pound capacity forklifts with additional cargo handling attachments at the Port of Stockton—significantly reducing greenhouse gas emissions and eliminating criteria pollutants and exposure to associated toxic diesel emissions to benefit adjacent and surrounding disadvantaged communities. Location: Port of Stockton Grant Amount: \$772,555 Resource Contribution: \$403,540 Demographics of Community Surrounding Project: Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other
<u>United States Postal Service Advanced-Drive Transport and Delivery Vehicle Demonstration*</u> Grantee: San Joaquin Valley Air Pollution Control District	Building and deployment of 15 zero-emission electric United States Postal Service (USPS) step-vans and charging infrastructure across 2 USPS hubs in Stockton and Fresno in California’s Central Valley. Location: Stockton and Fresno Grant Amount: \$4,555,670 Resource Contribution: \$2,222,903 Demographics of Community Served by Project: Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other Fresno: 50% Hispanic/Latino, 26% White, 14% Asian, 7% Black/African American, and 3% Other

* Projects have been completed

Figure G-8: Central Region Map



Coastal Region:

All Funded Projects for Coastal Region (Counties include: Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, San Luis Obispo, Santa Clara, Santa Cruz, Sonoma, and Solano)

Table G-3: CARB Projects Funded in the Coastal Region

Project Name/Grantee	Project Details
Regional Clean Mobility Pilot Projects	
Car Sharing and Mobility Hubs in Affordable Housing Pilot Project Grantee: Metropolitan Transportation Commission	Design and implementation of 3 mobility hubs at affordable housing developments in Oakland, San Jose, and the Nystrom Neighborhood in Richmond. The mobility hubs have not fully launched but are anticipated to include an EV carsharing program in San Jose and Richmond and a mix of other complimentary mobility options based on residents' needs, such as subsidized transit passes, ridesharing, and bike sharing. Location: Richmond, Oakland, and San Jose Grant Amount: \$3,015,000 Resource Contribution: \$755,000 Demographics of Community Served by Project: Richmond: 44% Hispanic/Latino, 18% White, 18% Black/African American, 15% Asian, and 5% Other Median Household Income: \$60,793 Oakland: 29% White, 27% Hispanic/Latino, 23% Black/African American, 16% Asian, and 5% Other Median Household Income: \$36,818 San Jose: 37% Asian, 31% Hispanic/Latino, 25% White, 3% Black/African American, and 4% Other Median Household Income: \$23,500
Lift Line Paratransit Dial-a-Ride Electric Vehicle Transition Program Grantee: Community Bridges-Lift Line	Replacement of 2 existing gas-powered shuttles with 2 16-seat EV shuttles equipped with wheelchair lifts. The project is expanding to replace another existing gas-powered shuttle with a zero-emission, ADA wheelchair equipped, 14-passenger medium shuttle bus. Location: Watsonville Grant Amount: \$515,819 Resource Contribution: \$154,284 Demographics of Community Served by Project: 70% Hispanic/Latino, 25% White, 3% Asian, 1% Black/African American, and 2% Other Median Household Income: \$61,719

Project Name/Grantee	Project Details
CMO	
Salinas Community Transportation Needs Assessment Grantee: Ecology Action	Collection of transportation needs survey responses from community members using a variety of in-person and online community strategies. Participants included disadvantaged residents of the targeted community, made up, in their majority, of Latinx, immigrant, and farmworker populations. Location: Salinas in Monterey County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 94% Hispanic/Latino, 3% White, 2% Black/African American, and 1% Asian Median Household Income: \$41,108
Community Transportation Watsonville Needs Assessment Grantee: Regeneración and Ecology Action	Collection of survey responses using a variety of outreach strategies, such as door-to-door outreach, mailers to residents, tabling at events, posters and flyers, and social media. All materials were produced in English and Spanish, and the majority of in-person outreach was conducted in Spanish. Location: Watsonville in Santa Cruz County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 88% Hispanic/Latino, 8% White, 2% Asian, 1% Black/African American, and 1% Other Median Household Income: \$52,214

Project Name/Grantee	Project Details
CMO	
Pajaro Community Transportation Needs Assessment Grantee: LEAP Institute	Engagement and outreach to the community groups and community members using a variety of strategies and methods, including bilingual educational materials, workshops, and forums, surveys, and interviews. Participation will be open to all the residents of Pajaro; however, the survey will sample at least 10 percent of the community. Location: Pajaro in Monterey County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 88% Hispanic/Latino, 14% Native American, 6% White, and 5% Other Median Household Income: \$53,797
Yoots-Richmond Outdoors Coalition Community Transportation Needs Assessment Grantee: Youth Transportation Organization	Engagement of youth, their parents and guardians, community members, and local community-based organizations using focus groups and resident surveys. Additional efforts focused on youth, families with children without personal vehicles, women-headed households, Spanish-speaking, households with incomes under \$30,000, Latinx families, and undocumented populations without driver licenses. Location: Richmond in Contra Costa County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 48% Hispanic/Latino, 26% Black/African American, 11% Asian, 10% White, and 5% Other Median Household Income: \$52,204

Project Name/Grantee	Project Details
CMO	
Richmond On-Demand Grantee: City of Richmond	<p>Implementation of the city's first citywide, on-demand shuttle program in collaboration with Via. The 3 shared, plug-in hybrid electric shuttles will provide a sustainable, demand-responsive, dynamically routed, microtransit service to bridge transportation gaps and provide connectivity between services and locations in underserved communities.</p> <p>Location: Richmond in Contra Costa County Grant Amount: \$1,000,000 Resource Contribution: \$968,249 Demographics of Community Served by Project: 44% Hispanic/Latino, 25% Black/African American, 15% Asian, 13% White, and 3% Other Median Household Income: \$59,565</p>
Oakland E-Bike Library Grantee: Oakland Department of Transportation	<p>Providing priority communities with access to affordable medium- and long-term rentals with approximately 500 e-bikes, cargo bikes, adaptive bikes, and scooters, while supporting community-run bike shops to perform maintenance and educate users.</p> <p>Location: West Oakland, Downtown, Chinatown, San Antonio, Fruitvale, and East Oakland in Alameda County Grant Amount: \$1,000,000 Resource Contribution: \$137,040 Demographics of Community Served by Project: 37% Black/African American, 25% White, 22% Hispanic/Latino, 12% Asian, and 4% Other Median Household Income: \$52,008</p>

Project Name/Grantee	Project Details
CMO	
On-Demand Oakland Unified Student Transportation Grantee: Oakland Unified School District	Conversion of 100 percent of the district's student transportation fleet to be carbon neutral and emission free by 2025. Oakland transports 1,300 students, with many from low-income, black neighborhoods. Location: Oakland in Alameda County Grant Amount: \$1,000,000 Resource Contribution: \$16,950 Demographics of Community Served by Project: 39% Hispanic/Latino, 27% Black/African American, 17% Asian, 13% White, and 4% Other Median Household Income: \$52,008
Richmond Community Carshare Grantee: Richmond Community Foundation	Expansion of affordable, round-trip carsharing service by adding 14 battery-EVs across as many as eight locations to provide clean, affordable transportation options to residents, especially those living in areas of Richmond that are designated as disadvantaged communities. Location: Richmond in Contra Costa County Grant Amount: \$1,000,000 Resource Contribution: \$410,800 Demographics of Community Served by Project: 57% Hispanic/Latino, 19% Black/African American, 12% White, 8% Asian, and 4% Other Median Household Income: \$57,253
STEP	
Power the People: MLK Jr. Shoreline Access Study Grantee: City of Oakland Department of Transportation	Initiation of a community-driven planning study of clean mobility options that will remedy barriers to accessing the waterfront nearest to East Oakland residents. Location: East Oakland in Alameda County Grant Amount: \$184,753 Resource Contribution: \$13,383 Demographics of Community Served by Project: 43% Hispanic/Latino, 27% Black/African American, 15% White, 10% Asian, and 5% Other Median Household Income: \$61,327

Project Name/Grantee	Project Details
STEP	
Solano Sustainable Transportation Equity Project (Sol STEP) Grantee: Solano Transportation Authority (STA)	Leverage of STA's Equity Working Group and existing citizen-based committees along with development of a student career program with Solano Community College and Club Stride to systemically embed transportation equity into the fabric of Solano County. Location: Vallejo in Solano County Grant Amount: \$299,997 Resource Contribution: \$68,962 Demographics of Community Served by Project: 28% Hispanic/Latino, 25% Asian, 23% White, 19% Black/African American, and 5% Other Median Household Income: \$74,021
West Oakland STEPS (web page coming soon) Grantee: City of Oakland Department of Transportation	Implementation of a Truck Management Plan, which focuses on education and outreach and truck signage upgrades, urban greening and pedestrian improvements, a bike resource hub and repair and fix-it stations at key destinations. Location: West Oakland in Alameda County Grant Amount: \$7,665,372 Resource Contribution: \$2,893,955 Demographics of Community Served by Project: 37% Black/African American, 28% White, 14% Asian, 16% Hispanic/Latino, and 5% Other Median Household Income: \$64,245
Our Community, Our Shuttle: Bayview-Hunters Point Equitable Mobility (web page coming soon) Grantee: San Francisco Municipal Transportation Agency	Implementation of an electric shuttle service, pedestrian and transit accessibility improvements, training and hiring of residents for jobs in clean transportation, a transportation resource center, and a community congress that will oversee grant implementation and build capacity. Location: San Francisco (Bayview-Hunters Point) Grant Amount: \$10,569,100 Resource Contribution: \$3,477,200 Demographics of Community Served by Project: 23% Hispanic/Latino, 13% White, 31% Asian, 28% Black/African American, and 5% Other Median Household Income: \$56,724

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>Goodwill Industries Electric Delivery Vehicle Project*</u> Grantee: Bay Area Air Quality Management District	<p>Showcase of the viability of heavy-duty electric trucks – the first of its kind being demonstrated in the U.S. by deploying 10 battery-electric delivery trucks, one battery-electric debris hauler, and supporting electric charging infrastructure for the 11 vehicles.</p> <p>Location: San Francisco and San Mateo Grant Amount: \$2,738,557 Resource Contribution: \$1,697,362 Demographics of Community Served by Project: San Francisco: 40% White, 34% Asian, 15% Hispanic/Latino, 5% Black/African American, and 6% Other San Mateo: 41% White, 25% Hispanic/Latino, 24% Asian, 2% Black/African American, and 6% Other</p>
<u>NorCAL Zero-Emission Regional and Drayage Operations with Fuel Cell Electric Trucks</u> Grantee: Center for Transportation and the Environment	<p>Building and deployment of 30 fuel cell electric trucks and a supporting hydrogen fueling station at the East Bay Municipal Utilities District treatment plant, adjacent to the Port of Oakland.</p> <p>Location: Port of Oakland Grant Amount: \$11,979,914 Resource Contribution: \$41,183,725 Demographics of Community Surrounding Project: Oakland: 29% White, 27% Hispanic/Latino, 23% Black/African American, 16% Asian, and 5% Other</p>

* Projects have been completed

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects Zero-Emission Hydrogen Ferry Demonstration Project Grantee: Bay Area Air Quality Management District	<p>Development, construction, and demonstration of "Sea Change," an electric ferry powered by hydrogen fuel cells. The project serves to demonstrate the use of an electric ferry powered by hydrogen fuel cells for passenger and freight service.</p> <p>Location: Ports of San Francisco and Oakland Grant Amount: \$3,000,000 Resource Contribution: \$2,465,000 Demographics of Community Served by Project: San Francisco: 40% White, 34% Asian, 15% Hispanic/Latino, 5% Black/African American, and 6% Other Oakland: 29% White, 27% Hispanic/Latino, 23% Black/African American, 16% Asian, and 5% Other</p>

Figure G-9: Coastal Region Map



Southern Region:

All Funded Projects for Southern Region (Counties include: Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego, Santa Barbara, and Ventura)

Table G-4: CARB Projects Funded in the Southern Region

Project Name/Grantee	Project Details
Regional Clean Mobility Pilot Projects	
L.A. City Carsharing Pilot Project Grantee: City of Los Angeles, Department of Transportation	Implementation of a carsharing and e-bike sharing pilot, known as BlueLA powered by Blink Mobility, that includes the construction and installation of 100 carshare stations with 500 charge ports and operation of an EV carshare program with 300 EVs and 500 e-bikes in disadvantaged communities within Los Angeles. Location: Los Angeles Grant Amount: \$4,669,343 Resource Contribution: \$26,524,394 Project Participant Demographic Information: 40% White, 29% Hispanic/Latino, 15% Black/African American, 13% Asian/Pacific Islander, and 3% Other Over 56% at/below \$35,000 Annual Household Income (AHHI) and over 82% at/below \$75,000 AHHI

Project Name/Grantee	Project Details
CMO	
El Monte & South El Monte Community Transportation Needs Assessment Grantee: ActiveSGV	<p>Engagement and empowerment of residents of the project area to meaningfully participate in the needs assessment process using a multi-pronged, multi-lingual approach. Through this approach, ActiveSGV collected 314 surveys and met with 49 community members individually and in groups.</p> <p>Location: El Monte and South El Monte in Los Angeles County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: El Monte: 70% Hispanic/Latino, 24% Asian, 4% White, 1% Black/African American, and 1% Other South El Monte: 81% Hispanic/Latino, 15% Asian, 2% White, 1% Black/African American, and 1% Other Median Household Income: \$51,931</p>
Big Pine Paiute Tribe of the Owens Valley Community Transportation Needs Grantee: Big Pine Paiute Tribe of the Owens Valley	<p>Engagement and outreach to the community groups and members using a variety of data collection techniques, such as one-on-one & group phone interviews, paper surveys, and a phone-in hotline. One of the workshops included a demonstration event where community members could interact with and learn more about EVs and e-bikes.</p> <p>Location: Big Pine Indian Reservation in Inyo County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: Unavailable</p>

Project Name/Grantee	Project Details
CMO	
Oxnard Clean Mobility Options Transportation Needs Assessment Grantee: BikeVentura	<p>Collection of a variety of data such as the location of jobs, an analysis of the bicycle network, cost comparisons of transit, and data on service delays or unavailability from Gold Coast Transit District. The community engagement component will include a mix of recurring and one-time events, like pop-up bike repair services, remote listening sessions, house visits, outdoor engagement, and one-on-one discussions.</p> <p>Location: Oxnard in Ventura County Grant Amount: \$49,804 Resource Contribution: N/A Demographics of Community Served by Project: 83% Hispanic/Latino, 8% White, 4% Asian, 3% Black/African American, and 2% Other Median Household Income: \$63,075</p>
Pomona Moves Community Transportation Needs Assessment Grantee: Community Home Energy Retrofit Project (CHERP)-Locally Grown Power	<p>Engagement with community groups and community members using a variety of geospatial maps, surveys, ethnographic interviews, and public meetings to addressing concerns around the dependence on transportation by private vehicles, the cost of that transportation, and the community's preference for a clean mobility initiative.</p> <p>Location: Pomona in Los Angeles County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 71% Hispanic/Latino, 11% White, 11% Asian, 6% Black/African American, and 1% Other Median Household Income: \$54,962</p>

Project Name/Grantee	Project Details
CMO	
Transportation Options in Spring Valley and La Presa: Community Transportation Needs Assessment Grantee: County of San Diego	Engagement with community members in 2 affordable housing developments, as well as the communities at-large, to understand how residents travel within the Spring Valley and La Presa communities and what challenges they face when doing so. Location: Spring Valley in San Diego County Grant Amount: \$49,515 Resource Contribution: N/A Demographics of Community Served by Project: 46% Hispanic/Latino, 25% White, 12% Asian, 11% Black/African American, and 6% Other Median Household Income: \$61,830
Manzanita Mobility Project Needs Assessment Grantee: Native American Environmental Protection Coalition	Engagement and outreach with community groups and community members using of a variety of culturally appropriate methods, such as community events, in-person or one-on-one interviews, and educational forums, and sessions with tribal leaders to collect information about travel needs. Location: Manzanita Reservation in San Diego County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: Unavailable

Project Name/Grantee	Project Details
CMO	
Riverside Community College District – Community Transportation Needs Assessment Grantee: Riverside Community College District	<p>Data analysis of transportation access and stakeholder outreach designed to understand the mobility behaviors, patterns and trends of students, faculty and staff living within low-income or disadvantaged communities with the highest burden from air pollution.</p> <p>Location: Riverside City College, Moreno Valley College, Norco College in Riverside County Grant Amount: \$49,530 Resource Contribution: N/A Demographics of Community Served by Project: 63% Hispanic/Latino, 18% White, 9% Asian, 8% Black/African American, and 3% Other Median Household Income: \$49,267</p>
Mecca Community Transportation Needs Assessment Grantee: LEAP Institute	<p>Engagement and outreach to community groups and community members using a variety of surveys, meetings, interviews, forums, and multilingual educational materials. LEAP Institute will work with local community-based organizations including, but not limited to, Comite Civico del Valle Inc. and local churches.</p> <p>Location: Mecca in Riverside County Grant Amount: \$50,000 Resource Contribution: N/A Demographics of Community Served by Project: 99% Hispanic/Latino and 1% Other Median Household Income: \$24,956</p>

Project Name/Grantee	Project Details
CMO	
Chollas View and Ocean View Community Transportation Needs Assessment Grantee: Urban Collaborative Project	Engagement and outreach to community groups and community members using a variety of resident surveys and social media tools. Participants included residents, businesses, or other stakeholders who may benefit or be affected by a new clean mobility service in the community, with a particular focus on the disadvantaged communities of Las Chollas View and Ocean View. Location: Chollas View and Ocean View in San Diego County Grant Amount: \$18,750 Resource Contribution: N/A Demographics of Community Served by Project: 44% White, 35% Hispanic/Latino, 13% Asian, 6% Black/African American, and 2% Other Median Household Income: \$41,387
WRCOG – Community Transportation Needs Assessment Grantee: Western Riverside Council of Governments	Engagement and outreach to community members using various data collection methods, including digital and social media, virtual workshops, focus groups, phone surveys and other means, and conducting a transportation access data analysis focusing specifically on the mobility needs and options in certain areas of the Western Riverside Subregion that: (1) experience the highest burden from air pollutants and (2) are positioned to benefit the most from clean transportation solutions. Location: Moreno Valley, Corona, San Jacinto in Riverside County Grant Amount: \$48,600 Resource Contribution: N/A Demographics of Community Served by Project: 66% Hispanic/Latino, 17% White, 9% Black/African American, 4% Asian, and 1% Other Median Household Income: \$49,401

Project Name/Grantee	Project Details
CMO	
Cahuilla Clean Mobility Project Grantee: Cahuilla Band of Indians	Implementation of Cahuilla's first zero-emission carsharing program, which will provide residents with 6 electric plug-in vehicles. Cahuilla's geographical area creates challenges to accessing essential goods like medical services, education, and religious and cultural gatherings. Location: Cahuilla Band of Indians Reservation, Anza in Riverside County Grant Amount: \$1,000,000 Resource Contribution: \$401,350 Demographics of Community Served by Project: Unavailable
CV Community Shuttle Grantee: City of Chula Vista	Launch of an on-demand community shuttle service in northwest Chula Vista focused on the local senior community using four EVs, one of which will be ADA accessible. Location: Senior community in northwest Chula Vista in San Diego County Grant Amount: \$997,833 Resource Contribution: \$517,690 Demographics of Community Served by Project: 74% Hispanic/Latino, 15% White, 5% Asian, 3% Black/African American, and 3% Other Median Household Income: \$43,635
FRANC Program Grantee: City of National City	Implementation of its first zero-emission shuttle program, the city's Free Ride Around National City (FRANC) Program will provide a clean and safe travel option, improving quality of life by expanding affordable travel options while reducing pollution. Location: Downtown Transit Centers of National City in San Diego County Grant Amount: \$999,996 Resource Contribution: \$218,829 Demographics of Community Served by Project: 62% Hispanic/Latino, 18% Asian, 13% White, 5% Black/African American, and 2% Other Median Household Income: \$39,762

Project Name/Grantee	Project Details
CMO	
Rialto Bike Share Program Grantee: City of Rialto	Implementation of Rialto's first zero-emission e-bike share program, which will provide low-income residents within city limits access to a fleet of shared electric bicycles. Location: Rialto in San Bernardino County Grant Amount: \$1,000,000 Resource Contribution: \$224,863 Demographics of Community Served by Project: 79% Hispanic/Latino, 12% White, 5% Black/African American, 3% Asian, and 1% Other Median Household Income: \$52,548
Riverside Clean Air Carshare Grantee: City of Riverside	Implementation of a one-way, last, and first-mile carshare solution allowing users to pick up and drop off hydrogen fuel cell vehicles at any one of seven StratosShare Parking Hubs. Location: Riverside Grant Amount: \$1,000,000 Resource Contribution: \$606,026 Demographics of Community Served by Project: 60% Hispanic/Latino, 22% White, 8% Asian, 6% Black/African American, and 4% Other Median Household Income: \$48,467
SankofaCity: Zero Emissions Multimodal Transportation Ecosystem Grantee: Community Economic Development Corporation and Institute for Maximum Human Potential	Implementation of zero-cost, zero-emission, demand responsive shuttles and low-cost e-bike library rentals, via 3 EVs and 30 e-bikes, for Greater Leimert Park Village Crenshaw residents. Location: Greater Leimert Park Village Crenshaw Corridor, Leimert Park and South Los Angeles Grant Amount: \$1,000,000 Resource Contribution: \$726,100 Demographics of Community Served by Project: 55% Hispanic/Latino, 21% White, 13% Asian, 9% Black/African American, and 2% Other Median Household Income: \$38,288

Project Name/Grantee	Project Details
CMO	
Charging Forward: HACLA's EV Lending Library for Economic Equity Grantee: Housing Authority of the City of Los Angeles (HACLA)	Implementation of a "Vehicle Lending Library" program that will provide access to charging infrastructure and 13 EVs and for its Section 8 Family Self-Sufficiency clients. Location: Los Angeles Grant Amount: \$1,000,000 Resource Contribution: \$530,674 Demographics of Community Served by Project: 66% Hispanic/Latino, 20% Black/African American, 6% White, 6% Asian, and 2% Other Median Household Income: \$42,769
Calexico Mobility On-Demand Grantee: Imperial County Transportation Commission	Implementation of the city of Calexico's first zero-emission, microtransit program, powered by Via, which will provide seniors, low-income and youth populations with transportation using three plug-in hybrid EVs. Location: Calexico in Imperial County Grant Amount: \$998,875 Resource Contribution: \$985,010 Demographics of Community Served by Project: 97% Hispanic/Latino, 2% White, and 1% Other Median Household Income: \$36,492

Project Name/Grantee	Project Details
CMO	
Zero Emissions Shared Mobility for Rancho San Pedro Grantee: Los Angeles Cleantech Incubator	Implementation of Rancho San Pedro affordable housing's shared e-bike program. The service will provide low-income residents with four e-bike hubs. Location: Rancho San Pedro community in Los Angeles Grant Amount: \$926,318 Resource Contribution: \$162,509 Demographics of Community Served by Project: 63% Hispanic/Latino, 13% Black/African American, 12% Asian, 10% White, and 2% Other Median Household Income: \$30,020
OmniRide Bloomington Grantee: OmniTrans	Implementation of OmniTrans' first zero-emission, on-demand mobility service, which will provide flexible public transportation service in and around the Bloomington area using 3 plug-in hybrid vehicles. Location: Bloomington area of San Bernardino County Grant Amount: \$1,000,000 Resource Contribution: \$1,521,362 Demographics of Community Served by Project: 67% Hispanic/Latino, 15% White, 11% Black/African American, 4% Asian, and 3% Other Median Household Income: \$52,023
South El Monte Electric Carshare Program Grantee: The Energy Coalition	Providing residents with access to 4 EVs and 8 chargers 24-hours a day. The program will provide a clean, convenient, accessible, and affordable mobility solution to the whole community, with a significant emphasis to engage low-income individuals. Location: South El Monte Los Angeles County Grant Amount: \$999,972 Resource Contribution: \$304,008 Demographics of Community Served by Project: 81% Hispanic/Latino, 15% Asian, 2% White, 1% Black/African American, and 1% Other Median Household Income: \$48,796

Project Name/Grantee	Project Details
CMO	
On-Demand Electric Vehicle Service for the Twenty-Nine Palms Band of Mission Indians' Reservation Grantee: Twenty-Nine Palms Band of Mission Indians	<p>Launch of carshare program with eight EVs, four Level 2 charging stations and one Level 3 DC Fast Charger as part of an overall e-mobility solution for the community.</p> <p>Location: Coachella in the southern region of the reservation in San Bernardino County Grant Amount: \$993,300 Resource Contribution: \$85,200 Demographics of Community Served by Project: Unavailable</p>
STEP	
Center City Corridors: Equitable & Clean Transportation Options for All Grantee: Anaheim Transportation Network	<p>Support for disadvantaged and disinvested community members to identify, evaluate, and prioritize transportation modes, routes, payment methods, and policies, incorporating equity and affordability for unbanked, unhoused, and other vulnerable groups.</p> <p>Location: Anaheim in Orange County Grant Amount: \$200,000 Resource Contribution: N/A Demographics of Community Served by Project: 67% Hispanic/Latino, 16% White, 12% Asian, 2% Black/African American, and 3% Other Median Household Income: \$61,957</p>

Project Name/Grantee	Project Details
STEP	
SR-15 Transportation Equity & Affordable Housing Task Force Grantee: City Heights Community Development Corporation	Engagement with the community in the next chapter of equitable and sustainable development for the SR-15 corridor, with a special focus on supporting the preservation and creation of affordable housing in this displacement vulnerable transit priority area. Location: City Heights in San Diego County Grant Amount: \$199,248 Resource Contribution: N/A Demographics of Community Served by Project: 53% Hispanic/Latino, 25% White, 11% Asian, 9% Black/African American, and 2% Other Median Household Income: \$42,449
Rush Street Corridor Enhancement Plan Grantee: City of South El Monte	Examination of traffic calming strategies, including, but not limited to, protected bike lanes, dedicated rapid transit lanes, smart bus stops, and ADA improvements. These improvements are necessary to increase pedestrian safety, augment the City's existing bicycle network, and help improve public transit quality along Rush Street, all of which align with existing State and regional goals of reducing single-occupant motor vehicle trips and improving safety for all roadway users. Location: South El Monte in Los Angeles County Grant Amount: \$205,108 Resource Contribution: \$7,904 Demographics of Community Served by Project: 80% Hispanic/Latino, 16% Asian, 2% White, 1% Black/African American, and 1% Other Median Household Income: \$65,584

Project Name/Grantee	Project Details
STEP	
Omnitrans ConnecTransit Plan Grantee: Omnitrans	Development of Omnitrans ConnecTransit Plan, which will identify and prioritize clean transportation improvements that address hurdles to equity and access within the Omnitrans service area and that will reduce GHG emissions. Location: San Bernardino County Grant Amount: \$230,500 Resource Contribution: \$31,447 Demographics of Community Served by Project: 56% Hispanic/Latino, 25% White, 9% Asian, 7% Black/African American, and 3% Other Median Household Income: \$66,025
Isla Vista Community Mobility Plan Grantee: Isla Vista Community Services District	Development of an equity-based, community mobility plan for the low-income community of Isla Vista in Santa Barbara County. Location: Isla Vista in Santa Barbara County Grant Amount: \$182,158 Resource Contribution: \$29,928 Demographics of Community Served by Project: 53% White, 23% Hispanic/Latino, 15% Asian, 5% Black/African American, and 4% Other Median Household Income: \$66,266
Commerce Moving Forward Grantee: City of Commerce	Construction of the first set of Class II bike lanes in the city. A community-based tree planting project facilitated by TreePeople will provide 400 shade trees near pedestrian, bike, and transit corridors and engage residents directly with tree planting and tree care. Location: Commerce in Los Angeles County Grant Amount: \$3,240,078 Resource Contribution: \$866,962 Demographics of Community Served by Project: 95% Hispanic/Latino, 2% White, 1% Asian, 1% Black/African American, and 1% Other Median Household Income: \$ 38,051

Project Name/Grantee	Project Details
STEP	
South Los Angeles Universal Basic Mobility Pilot Program Grantee: Los Angeles Department of Transportation	Expansion of fare payment subsidies, integration of fare payment across existing and new transportation options, introduction of new shared mobility options for residents and workers, and expansion of electrification to advance Universal Basic Mobility for South LA residents. Location: South Los Angeles in Los Angeles County Grant Amount: \$13,843,297 Resource Contribution: \$7,942,050 Demographics of Community Served by Project: 49% Hispanic/Latino, 25% White, 16% Asian, 9% Black/African American, and 1% Other Median Household Income: \$59,785
CMiS Projects	
Lincoln High School Clean Mobility in Schools Pilot Grantee: San Diego Unified School District	Creation of transformative, synergistic emissions reduction strategies for the Lincoln High School's transportation options and positively impact the air quality in the area. The goal is to increase the visibility of and access to zero-emission transportation options by placing commercially available zero-emission technologies and supporting charging infrastructure in the school. Location: San Diego County Grant Amount: \$9,775,349 Resource Contribution: \$176,600 Demographics of Community Served by Project: 53% Hispanic/Latino, 22% White, 11% Asian, 9% Black/African American, and 5% Other Median Household Income: \$42,449

Project Name/Grantee	Project Details
CMiS Projects	
A Transformative Clean Mobility Pilot Grantee: El Monte Union High School District	<p>Transformation of mobility at the school sites by adding 11 new zero-emission buses to the fleet, allowing the District to serve more students; develop a pilot, entrepreneurial clean mobility Career Technical Education curriculum; plan for more holistic, active transportation to ensure safety as well as improve congestion from pedestrians, bike share, and car share; add new motor pool vehicles and maintenance vehicles that run on battery or electric power to improve efficiency and reduce reliance on gasoline use; and enable onsite energy storage that ties into the District's existing solar system so operational demand costs can be reduced long-term.</p> <p>Location: Los Angeles County Grant Amount: \$9,847,660 Resource Contribution: \$36,100 Demographics of Community Served by Project: 40% Hispanic/Latino, 34% White, 16% Asian, 9% Black/African American, and 1% Other Median Household Income: \$51,283</p>

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>Capture and Control System for Oil Tankers Project</u> Grantee: South Coast Air Quality Management District	Design, development, and safe demonstration of the capture and control system that reduces oxides of nitrogen (NOx), fine particulate matter (PM 2.5), reactive organic gases, toxic air contaminants, and diesel PM from both the auxiliary engines and boiler of oil tankers. Location: Port of Long Beach Grant Amount: \$10,000,000 Resource Contribution: \$3,349,000 Demographics of Community Surrounding Project: Long Beach: 43% Hispanic/Latino, 28% White, 13% Asian, 13% Black/African American, and 3% Other
<u>The Commercialization of POLB Off-Road Technology (C-PORT) Demonstration*</u> Grantee: Port of Long Beach	First ever grant funded zero-emission human-operated cargo-handling equipment demonstration at the Port of Long Beach. The C-PORT project included the deployment of 3 battery-electric top handlers, 1 battery-electric yard tractor, and all associated charging infrastructure at 2 terminals in the Port complex. Location: Port of Long Beach Grant Amount: \$5,249,820 Resource Contribution: \$2,532,266 Demographics of Community Surrounding Project: Long Beach: 43% Hispanic/Latino, 28% White, 13% Asian, 13% Black/African American, and 3% Other

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>Demonstration of Zero-Emission Technologies for Freight Operations at Ports: Fuel Cell Hybrid Electric Top Loader</u> Grantee: Center for Transportation and the Environment	Building and demonstration of an electric top loader with fuel cell range extension and wireless charging. This will promote future commercialization that will transform the industry while achieving greenhouse gas, criteria pollutant, and toxic emission reduction. Location: Port of Los Angeles Grant Amount: \$6,508,543 Resource Contribution: \$2,366,159 Demographics of Community Surrounding Project: Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other
<u>Fuel Cell Hybrid Electric Delivery Van Deployment</u> Grantee: Center for Transportation and the Environment	Building and demonstration of 15 fuel cell hybrid electric delivery vans, built in partnership with the U.S. Department of Energy. Location: Ontario Grant Amount: \$4,302,896 Resource Contribution: \$4,969,429 Demographics of Community Served by Project: 70% Hispanic/Latino, 15% White, 6% Asian, 6% Black/African American, and 3% Other

* Projects have been completed

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
Joint Electric Truck Scaling Initiative (JETSII) Grantee: South Coast Air Quality Management District	<p>Providing fleets with guidance and lessons learned to carry off a large scale 100 battery electric trucks and infrastructure deployment and enable more fleets to transition to zero-emission technologies.</p> <p>Location: Ontario and South El Monte Grant Amount: \$16,019,316 Resource Contribution: \$46,824,684 Demographics of Community Served by Project: Ontario: 70% Hispanic/Latino, 15% White, 6% Asian, 6% Black/African American, and 3% Other South El Monte: 81% Hispanic/Latino, 15% Asian, 2% White, 1% Black/African American, and 1% Other</p>
Multi-Class Heavy-Duty Zero-Emission Truck Development Project for Intermodal and Warehouse Facilities* Grantee: San Bernardino County Council of Governments	<p>Demonstration of a total of 26 battery electric yard trucks and service trucks at 3 best in class freight facilities. 10 trucks are deployed at each of 2 BNSF Railway intermodal facilities: San Bernardino and Los Angeles. An additional 3 trucks are deployed at a new Daylight Transport facility in Fontana.</p> <p>Location: San Bernardino, Los Angeles, and Fontana Grant Amount: \$9,100,800 Resource Contribution: \$10,216,172 Demographics of Community Served by Project: San Bernardino: 62% Hispanic/Latino, 14% White, 13% Black/African American, 4% Asian, and 7% Other Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other Fontana: 69% Hispanic/Latino, 14% White, 8% Black/African American, 7% Asian, and 2% Other</p>

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
Multi-Source Green Omni Terminal Project Grantee: City of Los Angeles, Harbor Department	Demonstration of various prototype zero-emission cargo handling equipment, heavy duty vehicles, and an emissions capture system in a live terminal setting. Location: Port of Los Angeles Grant Amount: \$14,510,400 Resource Contribution: \$12,092,000 Demographics of Community Served by Project: Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other
Port of Los Angeles "Shore to Store" Project Grantee: Port of Los Angeles	Implementation of first phase in a long-term industry collaboration to scale a zero-emission framework for goods movement throughout California. 10 hydrogen fuel cell electric Class 8 on road trucks have been developed through a collaboration between Kenworth Truck Company and Toyota Motor North America. Location: Port of Los Angeles Grant Amount: \$41,122,260 Resource Contribution: \$41,426,612 Demographics of Community Served by Project: Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other

* Projects have been completed

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>SunLine Fuel Cell Buses & Hydrogen Onsite Generation Refueling Station Pilot Commercial Deployment Project*</u> Grantee: SunLine Transit Agency	Addition of 5 new fuel cell electric buses to their existing fleet of alternative-fueled buses, which also includes battery electric buses. Location: Coachella Valley Grant Amount: \$12,586,791 Resource Contribution: \$6,166,424 Demographics of Community Served by Project: 97% Hispanic/Latino, 2% White, and 1% Other
<u>Volvo Low Impact Green Heavy Transport Solutions (LIGHTS) Project</u> Grantee: South Coast Air Quality Management District	Creation of a zero-emission goods movement system from the Ports of Long Beach and Los Angeles to four freight handling facilities in disadvantaged communities. This project deploys pre-commercial and commercial zero emission technologies, including Class 8 battery electric trucks, charging infrastructure, data collection, maintenance training, sales and service support, outreach, and other operational support. Location: Port of Long Beach and Los Angeles Grant Amount: \$44,839,686 Resource Contribution: \$45,855,308 Demographics of Community Served by Project: Long Beach: 43% Hispanic/Latino, 28% White, 13% Asian, 13% Black/African American, and 3% Other Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
Zero-Emission Beverage Handling and Distribution at Scale Project Grantee: The Center for Transportation and the Environment (CTE)	Deployment of 21 BYD Class 8 Day Cab trucks and charging infrastructure in beverage handling and distribution services at 3 Anheuser-Bush distribution facilities in the Los Angeles region, and construct solar energy generation at 1 of the locations to offset energy demand from the chargers. Location: Los Angeles Region Grant Amount: \$5,530,303 Resource Contribution: \$5,795,866 Demographics of Community Served by Project: Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other
Zero Emissions for California Ports Grantee: Gas Technology Institute	Port terminal operators demonstrating that fuel cell powered, zero-emission yard trucks are a safe, reliable, and operationally preferable solution to meet the port's clean air action plan. This project will deploy 2 hybrid fuel cell-electric yard trucks at the Port of Los Angeles. Location: Port of Los Angeles Grant Amount: \$5,788,335 Resource Contribution: \$6,017,078 Demographics of Community Served by Project: Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other

Figure G-10: Southern Region Map



Cross Regional and Statewide:

Table G-5: CARB Projects Funded Cross Regionally

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
Fuel Cell Electric Bus Commercialization Consortium (FCEBCC) Project* Grantee: CTE	<p>Acceleration of the commercialization of zero-emission buses, the FCEBCC addressed initial challenges by building 20 fuel cell electric buses through an industry collaboration between New Flyer and Ballard Power Systems for deployment at Alameda-Contra Costa Transit and Orange County Transit Authority.</p> <p>Location: Alameda, Contra Costa, and Orange Counties Grant Amount: \$22,267,218 Resource Contribution: \$22,981,357 Demographics of Community Served by Project: Alameda County: 34% Asian, 29% White, 22% Hispanic/Latino, 11% Black/African American, and 4% Other Contra Costa County: 41% White, 27% Hispanic/Latino, 19% Asian, 10% Black/African American, and 3% Other Orange County: 23% Asian, 39% White, 34% Hispanic/Latino, 2% Black/African American, and 2% Other</p>

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>Flexible Solutions for Freight Facilities – San Joaquin Valley Zero- and Near-Zero Emission Enabling Freight Project</u> Grantee: San Joaquin Valley Air Pollution Control District	<p>Demonstration of zero- and near-zero-emission technologies on locomotives and around rail yards. Wabtec designed, manufactured, and commissioned a single Battery Electric Locomotive used within a diesel consist, running between Stockton and Barstow in commercial operations.</p> <p>Location: Stockton and San Bernardino Grant Amount: \$22,616,647 Resource Contribution: \$22,620,673 Demographics of Community Served by Project: Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other San Bernardino: 62% Hispanic/Latino, 14% White, 13% Black/African American, 4% Asian, and 7% Other</p>
<u>California Collaborative Advanced Technology Drayage Truck Demonstration Project*</u> Grantee: South Coast Air Quality Management District	<p>Class 8 heavy-duty on-road trucks used to transport cargo to or from California's ports and rail yards comprise this portfolio of commercially promising zero- and near-zero-emission truck technologies. These trucks demonstrated the practicality and economic viability of zero- and near-zero-emission technology operating in and around the Ports of Long Beach, Los Angeles, Oakland, Stockton, and San Diego.</p> <p>Location: Port of Long Beach, LA, Oakland, Stockton, and San Diego Grant Amount: \$23,658,500 Resource Contribution: \$16,463,972 Demographics of Community Served by Project: Long Beach: 43% Hispanic/Latino, 28% White, 13% Asian, 13% Black/African American, and 3% Other Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other Oakland: 29% White, 27% Hispanic/Latino, 23% Black/African American, 16% Asian, and 5% Other Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other San Diego: 42% White, 30% Hispanic/Latino, 17% Asian, 6% Black/African American, and 5% Other</p>

*Projects have been completed

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
<u>Fast-Track Fuel Cell Truck Project</u> Grantee: Gas Technology Institute	Deployment of a total of five plug-in hybrid fuel cell-electric Class 8 trucks in Southern California, operated by a major truck fleet operator in a phased rollout. Location: Port of Los Angeles and the San Diego Region Grant Amount: \$5,081,478 Resource Contribution: \$1,139,950 Demographics of Community Served by Project: Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other San Diego: 42% White, 30% Hispanic/Latino, 17% Asian, 6% Black/African American, and 5% Other
<u>Opposed Piston Engine Class 8 Heavy-Duty On-Road Demonstration</u> Grantee: CALSTART	Deployment and validation of major truck, engine, and fleet partners a world-leading engine design that will meet California's ultralow NOx requirement (0.02 g/bhp-hr) while simultaneously providing a 15-20 percent increase in fuel efficiency compared to 2017 U.S. Environmental Protection Agency requirements. Location: Central Valley and Los Angeles Area Grant Amount: \$6,994,601 Resource Contribution: \$9,705,267 Demographics of Community Served by Project: Central Valley: Unavailable Los Angeles: 48% Hispanic/Latino, 29% White, 12% Asian, 9% Black/African American, and 2% Other

Project Name/Grantee	Project Details
Regional Clean Mobility Pilot Projects	
<p data-bbox="154 310 526 415">Agricultural Worker Vanpools Pilot Project* (web page coming soon)</p> <p data-bbox="154 638 431 743">Grantee: California Vanpool Authority (CalVans)</p>	<p data-bbox="548 310 1469 646">The Agricultural Worker Vanpools Pilot Project provided safe, convenient, and reliable transportation for agricultural workers living in disadvantaged and low-income communities, while also achieving emission reduction benefits through shared transportation and the deployment of lower-emission, hybrid technology passenger vans. The 154 hybrid conversion vans provided 282,000 rides from project launch in January of 2019 to December 31, 2019. The total vehicle miles traveled for project vanpools was 2,020,018 miles.</p> <p data-bbox="548 684 1451 789">Location: San Joaquin Valley, Coachella Valley, Imperial Valley, Salinas Valley and other disadvantaged and low- income agricultural areas statewide.</p> <p data-bbox="548 798 943 829">Grant Amount: \$6,000,000</p> <p data-bbox="548 837 964 869">Resource Contribution: N/A</p> <p data-bbox="548 877 1268 945">Demographics of Community Served by Project: Valley Regions Unavailable</p>

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
Sustainable Terminals Accelerating Regional Transformation (START) Project Phase 1 Grantee: Port of Long Beach	<p>Demonstration of a multi-region, zero- and near-zero-emission supply chain that advances the California Sustainable Freight Action Plan and showcases emission reduction strategies replicable throughout freight facilities. START deploys 102 zero- or near-zero-emission vessels and cargo handling equipment units including: the nation’s largest deployment of electric rubber-tired gantry cranes, the largest fleet of zero-emission yard tractors at a single port terminal, and the first deployment of 36,000-lb electric forklifts.</p> <p>Location: Port of Long Beach, Oakland, and Stockton Grant Amount: \$50,000,000 Resource Contribution: \$54,988,249 Demographics of Community Served by Project: Long Beach: 43% Hispanic/Latino, 28% White, 13% Asian, 13% Black/African American, and 3% Other Oakland: 29% White, 27% Hispanic/Latino, 23% Black/African American, 16% Asian, and 5% Other Stockton: 44% Hispanic/Latino, 21% Asian, 19% White, 12% Black/African American, and 4% Other</p>

Figure G-11: Cross Region Map

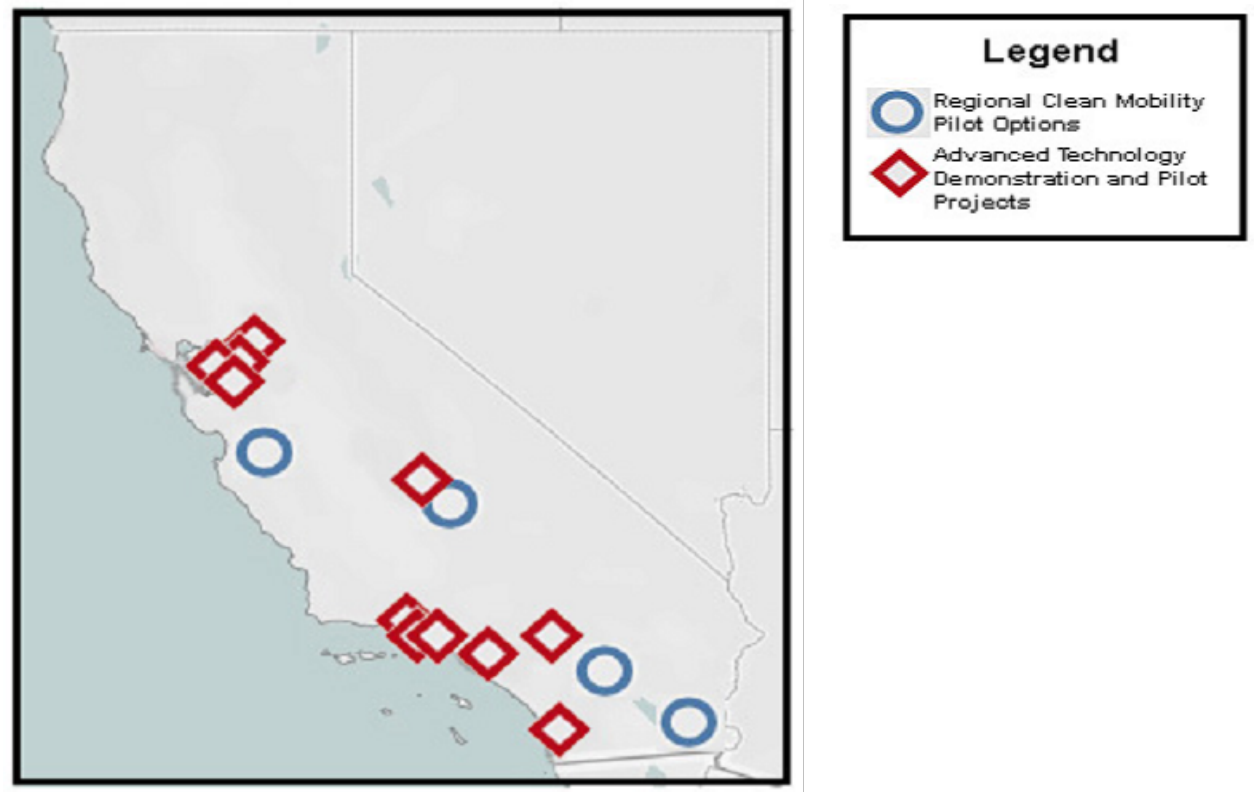


Table G-6: Statewide Funded Projects

Project Name/Grantee	Project Details
Advanced Technology Demonstration and Pilot Projects	
Rural School Bus Pilot Project Grantee: North Coast Unified Air Quality Management District	Grants for the purchase of commercially available cleaner school bus technologies such as zero-emission (fuel cell or battery electric) and low carbon fuel options (renewable fuels). Location: Statewide Grant Amount: \$61,550,000 Resource Contribution: N/A

Figure G-12: Rural School Bus Pilot Project Map

