



Electrify America's California ZEV Investment Plan - Cycle 4

January 25, 2024

Presentation Outline

- Background on Volkswagen Enforcement Settlements
- Cycles 1-3 Progress to Date
- The Proposed Cycle 4 ZEV Investment Plan
- Staff's Assessment of the Cycle 4 Plan
- Ongoing Oversight and Coordination
- Staff Recommendation

The 2.0-Liter Partial Consent Decree

Compensate Owners



Appendix A -
Buyback, Lease
Termination, and Vehicle
Modification Recall
Program

Prevent Future Emissions



Appendix B -
Vehicle Recall and
Emissions Modification
Program

Market Support/ Injunctive Relief



Appendix C -
Volkswagen's
Zero Emission Vehicle
Investment Commitment
\$800 Million*

Mitigate Past Emissions



Appendix D -
Environmental Mitigation
Trust
\$423 Million*

\$153.8 million was paid to California in penalties

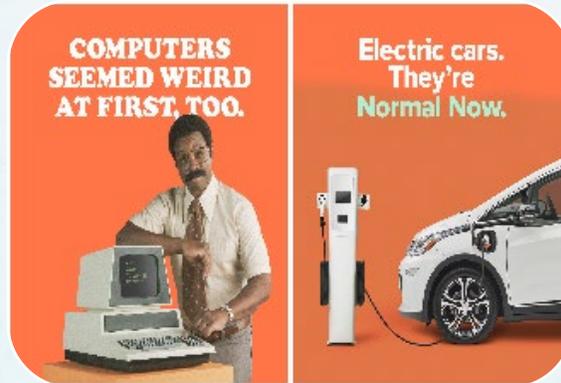
Appendix C

ZEV Investment Commitment



Infrastructure -

Level 2, DCFC, Solar, Energy Storage, O&M



Education/Outreach -

Brand-neutral efforts/materials to build/increase public awareness



ZEV Access -

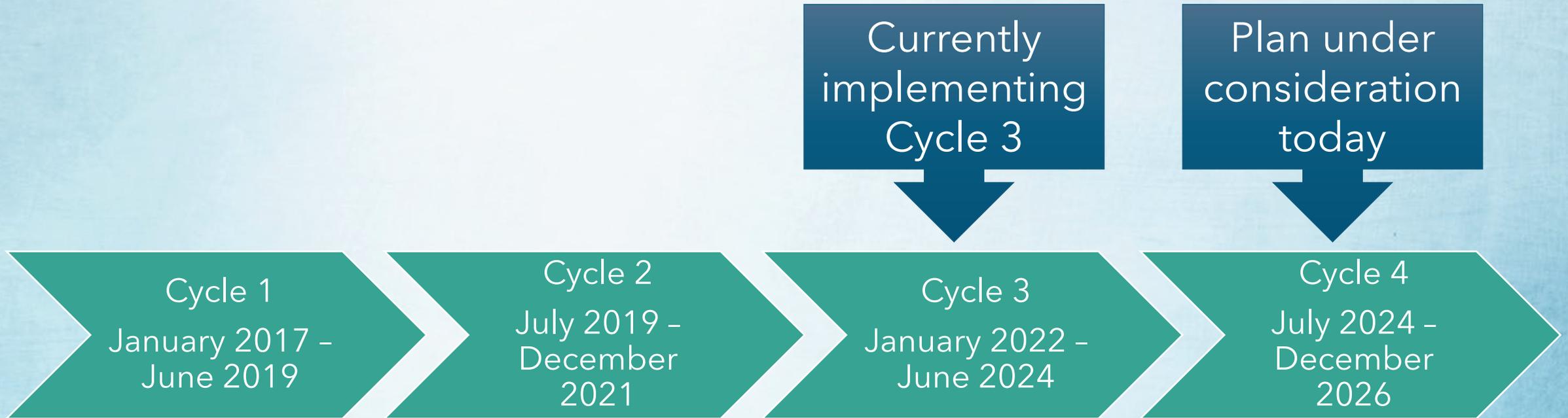
Increase exposure/access to ZEVs through activities like ride and drives, car share services, as well as branded marketing to drive station utilization



Green City -

Zero-emission car share, transit, and freight

Four 30-month \$200M Investment Cycles



Previously Approved ZEV Investment Plan Spending

Investment Category	Investment (in millions)			TOTAL
	Cycle			
	1	2	3	
ZEV Infrastructure	\$120	\$153	\$127	\$400
Education/Outreach	\$20	\$17	\$16	\$53
ZEV Access	--	\$10	\$12	\$22
Green City Demonstration Project (Sacramento and Long Beach/Wilmington)	\$44	--	\$25	\$69
Overhead	\$16	\$20	\$20	\$56
TOTAL	\$200	\$200	\$200	\$600

Cycles 1, 2, and 3 Progress to Date: ZEV Infrastructure



Source: Electrify America Q2 2023 Report. All data as of the end of Q2 2023

Green City Investments

1st Green City - Sacramento (Cycle 1)

- GIG free-float (point-to-point) car share service
- Envoy Multi-Unit Dwelling (return trip) car share program
- Partnership with Sacramento Regional Transit and Yolo County Transportation District
- Partnership with SacRT and the Franklin Neighborhood Development Corporation on microtransit shuttles



2nd Green City - Long Beach/ Wilmington (Cycle 3)

- 38 dedicated chargers at the Port of Long Beach and a nearby facility to support electric trucks
- 14 chargers and battery energy storage systems to support electric trucks in the City of Ontario
- Chargers to support 60 electric trucks in drayage operations within the City of Rialto

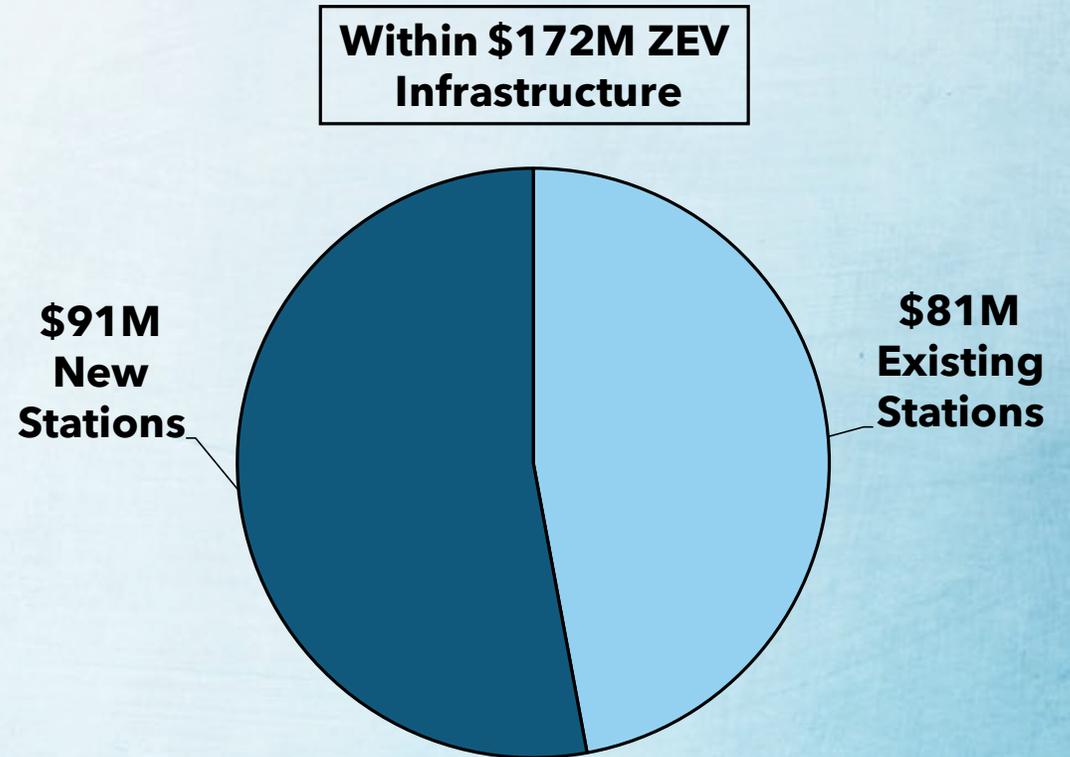
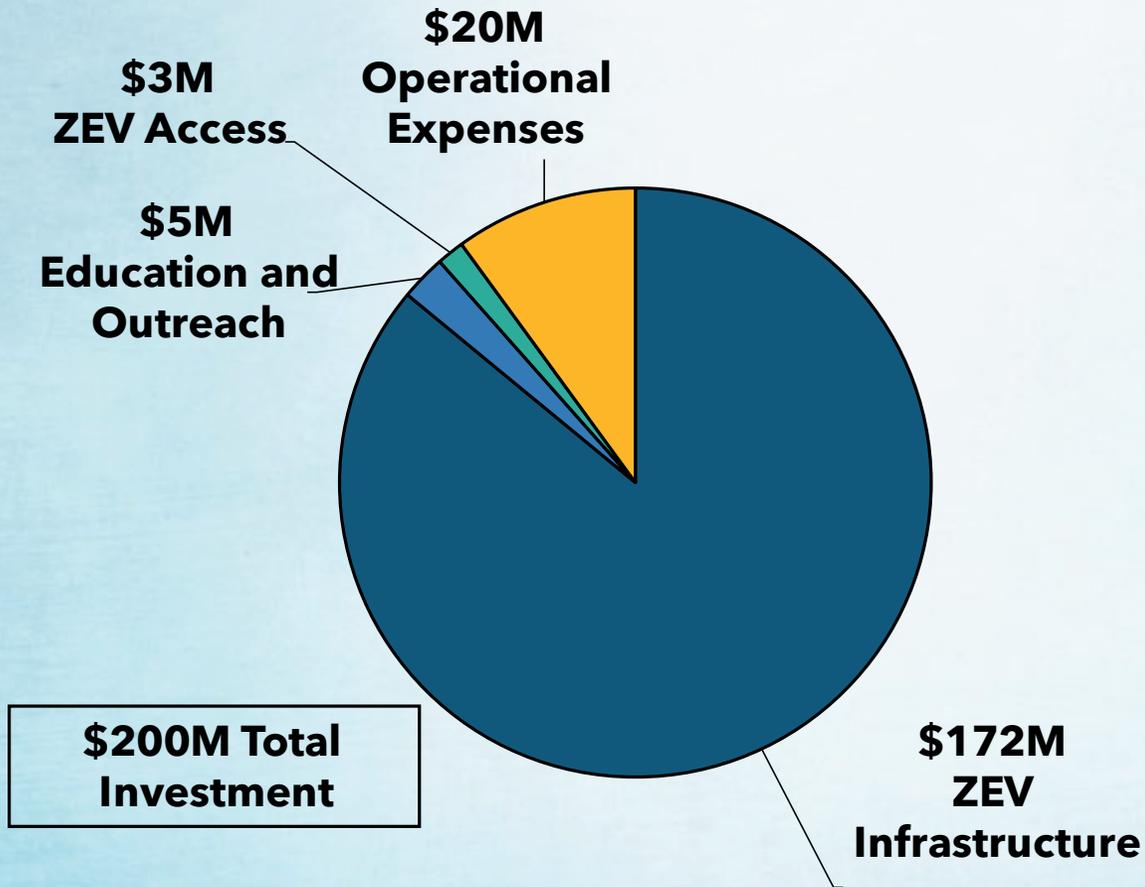


Images source: Electrify America

Process for Evaluating the Cycle 4 Plan

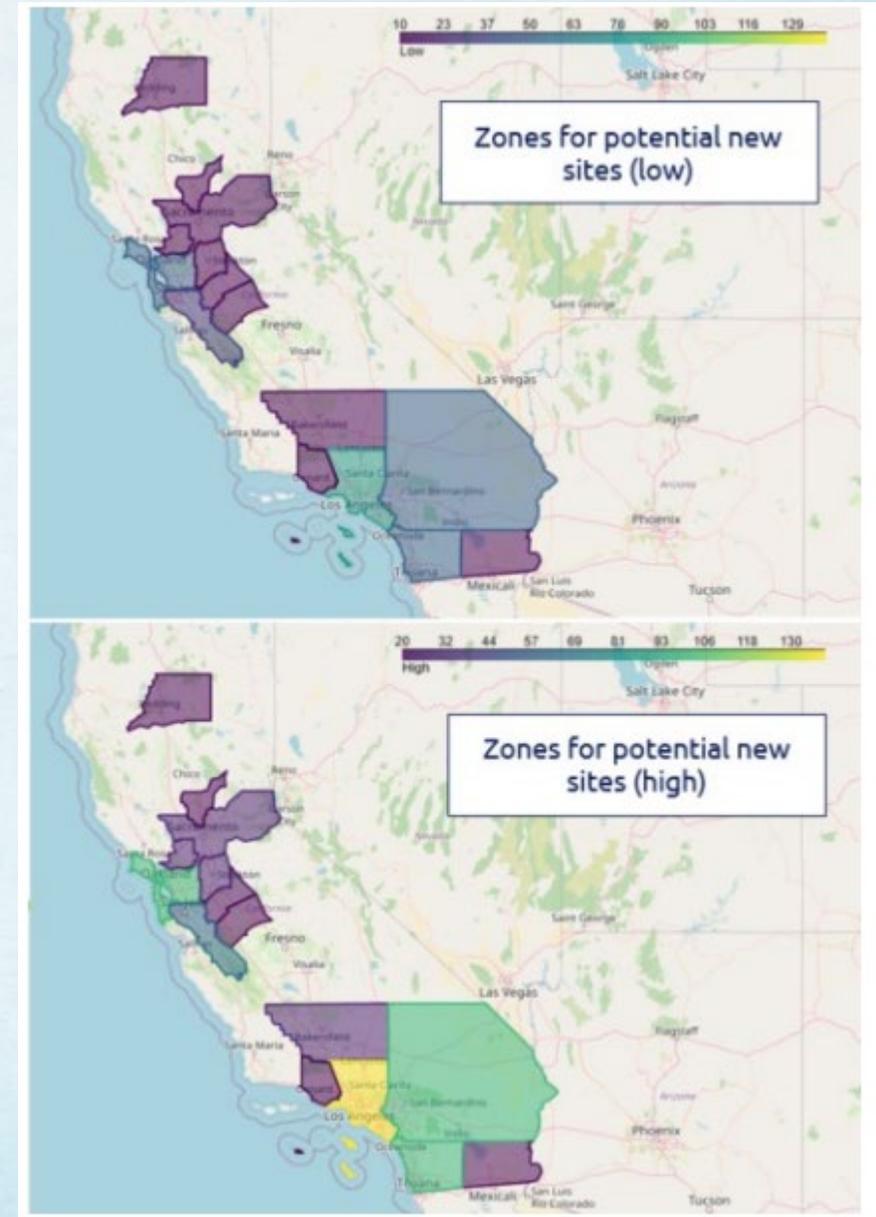
- Cycle 4 strawman proposal submitted
- Met and conferred on investment ideas in strawman proposal
- Draft Cycle 4 Plan submitted
- Public meeting on progress implementing Cycles 1-3
- Final Cycle 4 Plan submitted
- Public comment period for the Cycle 4 Plan
- CARB staff analyzed Cycle 4 Plan and published report
- Board meeting

Proposed Cycle 4 ZEV Investment Plan



Cycle 4 Infrastructure - Network Growth

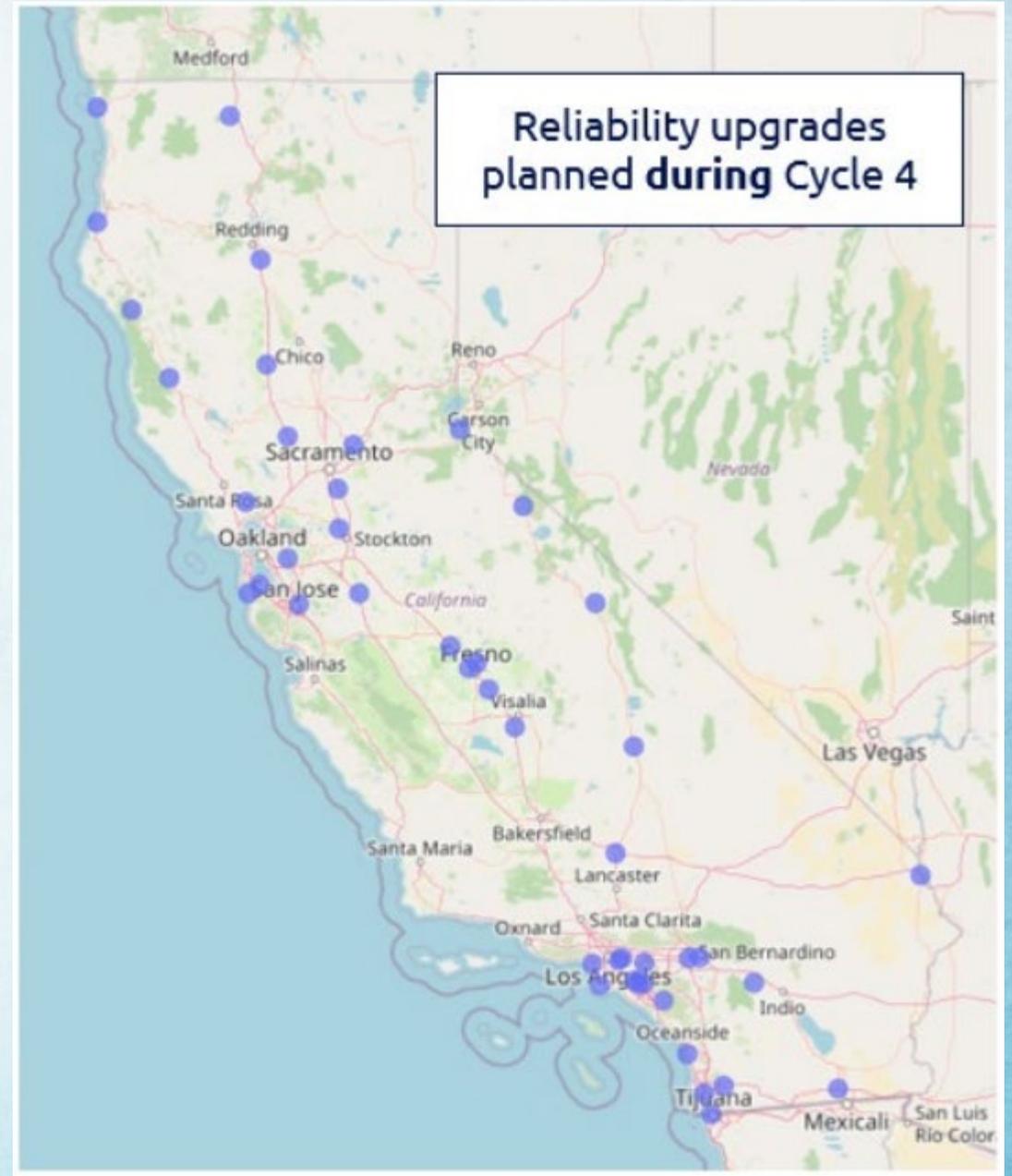
- \$91M for 360-740 new chargers
- 9 existing areas
 - Bakersfield
 - Los Angeles
 - Oxnard
 - Riverside
 - Sacramento
 - San Diego
 - San Francisco
 - San Jose
 - Stockton
- 6 new areas
 - El Centro
 - Merced
 - Modesto
 - Redding
 - Vallejo-Fairfield
 - Yuba City



Source: Electrify America proposed Cycle 4 ZEV Investment Plan

Cycle 4 Infrastructure - Station Upgrades

- \$81M for capital expenses for charger replacement and operational expenses
- Upgrade existing stations built in Cycles 1 and 2



Cycle 4 Infrastructure - Maintenance

- Maintenance for stations that have been installed will include:
 - Pre deployment maintenance
 - Staff training
 - Recurring preventative maintenance checks
 - Internal field service engineer program
 - Supply chain maintenance
 - Contact center
 - Network operations center
 - Work order maintenance
 - Continued quality assurance maintenance
 - Future improvement measures



Cycle 4 ZEV Education and Outreach and ZEV Access

- Education and Outreach to increase ZEV adoption: \$5M
 - California Workforce Development Science, Technology, Engineering, and Mathematics (STEM) Program
 - Veloz 'Electric for All' Sponsorship
 - California ZEV Equitable Access Program (ZEAP) with input from the CARB ZEV Equity Task Force
 - California Membership & Sponsorship Program
- ZEV Access to drive station utilization: \$3M
 - Branded marketing to boost station utilization, educate consumers about the network



Image source: Electrify America

Staff Assessment: Consent Decree Requirements

- Staff assessed the Cycle 4 plan for compliance with the Consent Decree requirements:
 - ✓ Investments address increasing access for communities
 - ✓ Investments identify corresponding goals of the Consent Decree
 - ✓ A schedule is provided for investments in 6-month intervals
 - ✓ Anticipated creditable cost are included for each investment
 - ✓ The plan includes plan to maintain equipment for required 10 years after effective date of the Consent Decree
 - ✓ Infrastructure plans include all necessary geographic specifications, charger details, and planned data collection
 - ✓ The plan includes a description of brand-neutral education and outreach activities

Staff Assessment: Senate Bill 92

- Staff assessed the Cycle 4 plan for compliance with Senate Bill 92:
 - ✓ Post Plan for public comment
 - ✓ Consider Plan for approval by the Board at a public hearing
 - ✓ Electrify America will continue to report progress to CARB
 - ✓ Electrify America will continue to strive to ensure 35% investment in low-income or disadvantaged communities
 - ✓ CARB will continue to report annually to the Legislature

Staff Assessment :

Board Resolutions 17-23, 18-54 and 21-14

- Staff assessed the Cycle 4 plan for compliance with Board resolutions:
 - ✓ Strive to ensure that at least 35% of Cycle 4 Plan benefits low-income and disadvantaged communities
 - ✓ Include evaluation of heavy-duty hydrogen opportunities
 - ✓ Include job creation/training estimates
 - ✓ Implement projects fairly and transparently
 - ✓ Execute projects in a manner that ensures investments are self-sustaining and continue after 10-year investment period

Ongoing Oversight and Coordination

- Electrify America will continue to:
 - Meet monthly with CARB staff
 - Provide quarterly and annual public reports
- CARB will continue to report annually to the Legislature and to the Board
- Independent, third-party auditor will continue to provide annual reports

CARB Staff Recommendation to the Board

CARB staff recommends that the Board adopt Resolution 24-2

- Approves Electrify America's Cycle 4 ZEV Investment Plan
- Allows Cycle 4 investments to commence
- Directs that at least 35 percent of investments be in low-income or disadvantaged communities
- Directs that Electrify America strive to achieve reliability consistent with industry standards, such as those reflected in NEVI
- Electrify America will continue to provide CARB with monthly updates, and quarterly and annual reports