

UPDATE ON TRANSPORTATION ELECTRIFICATION AND ELECTRIFY RIVERSIDE PROGRAMS

Riverside Public Utilities

City Council
November 18, 2025

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TRANSPORTATION ELECTRIFICATION UPDATE

1. Climate Change

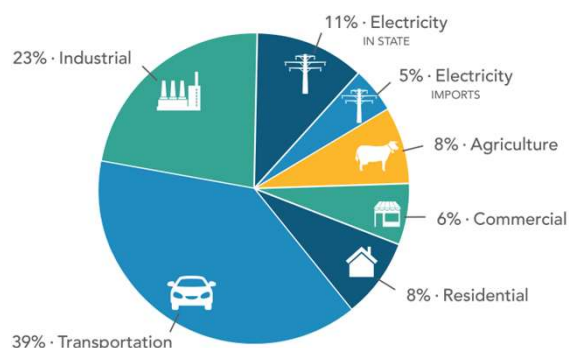
- a. In California, transportation accounts for ~39% of greenhouse gas emissions

2. State of California Goals

- a. 1.5 million EVs on the road by 2025
- b. 5 million EVs on the road by 2030
- c. All new vehicles sold in California to be zero-emissions by 2035
- d. Transition all fleets to zero emissions vehicles by 2045
 - a. Advanced Clean Fleets (ACF) approved by CARB

3. Low Carbon Fuel Standard (LCFS)

- a. Key regulation to reduce transportation related emissions



371.1 MMT CO₂e
2022 TOTAL CA EMISSIONS

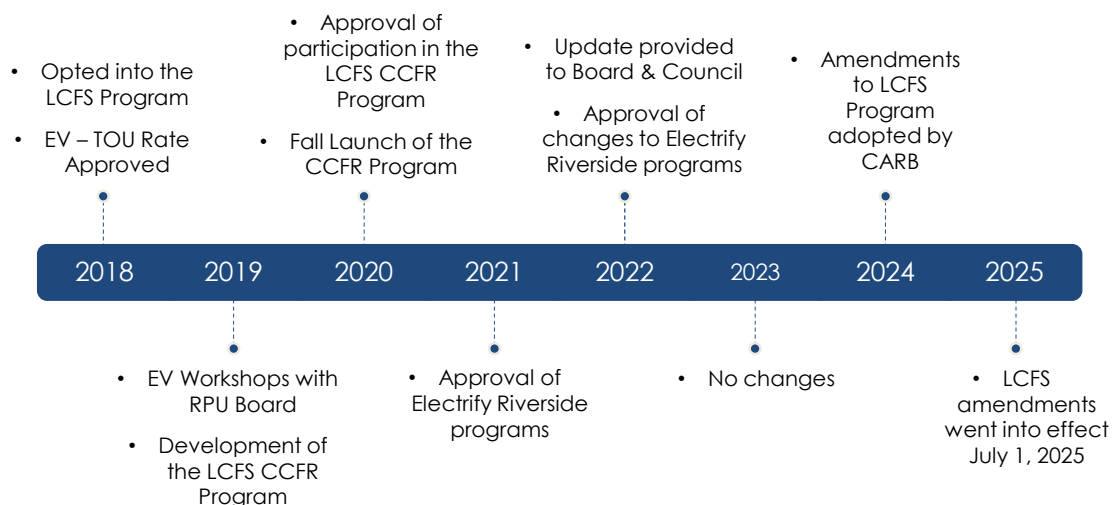
Source: California Air Resources Board, GHG emissions inventory, 2022. <https://ww2.arb.ca.gov/ghg-inventory-data>

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LOW CARBON FUEL STANDARD BACKGROUND



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2025 CHANGES TO THE REGULATION

California Clean Fuel Reward (CCFR) program will only provide rebates for **new/used medium- and heavy-duty commercial vehicles** rather than light-duty vehicles

RPU **reclassified from medium to small POU** with 0% CCFR contribution requirement

Changes to list of preapproved projects for holdback credits:

- **Removed:** Marketing, education, and outreach
- **Added:** Workforce development, grid-side distribution infrastructure investments, and vehicle-grid integration projects

POUs no longer eligible to receive credits generated by electricity used by electric forklifts



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SPENDING REQUIREMENTS FOR LCFS REVENUE

Must Benefit Current and Future EV Owners

Programs can include incentives to support the purchase of used EVs and EV charging (home, workplace, public access)

Investments in grid-side distribution infrastructure necessary for EV charging are now eligible

50% of LCFS revenue must support transportation electrification projects that benefit disadvantaged, low-income, and rural communities



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STATEWIDE CCFR PROGRAM UPDATE

1. New LCFS amendments to CCFR

- a. Rebates will only be for **new/used commercial medium- or heavy-duty EVs**
- b. RPU **reclassified from medium to small POU** with 0% contribution requirement



**CALIFORNIA
CLEAN FUEL
REWARDSM**

2. CCFR Steering Committee

- a. Pending new amendment to the governance agreement to implement the changes required under the updated LCFS regulation
- b. Voted to delay CY 2024 contribution for reclassified POUs



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EV POPULATION & CHARGING INFRASTRUCTURE IN RIVERSIDE

Best Practice

For every 1,000 EV's
there should be
**40 Level 2 charging ports &
3-4 DC Fast Chargers**

*Per National Renewable Energy Laboratory
(NREL)*

13,729 light-duty EVs*

Owned by residents & businesses

284

Level 2 public chargers*

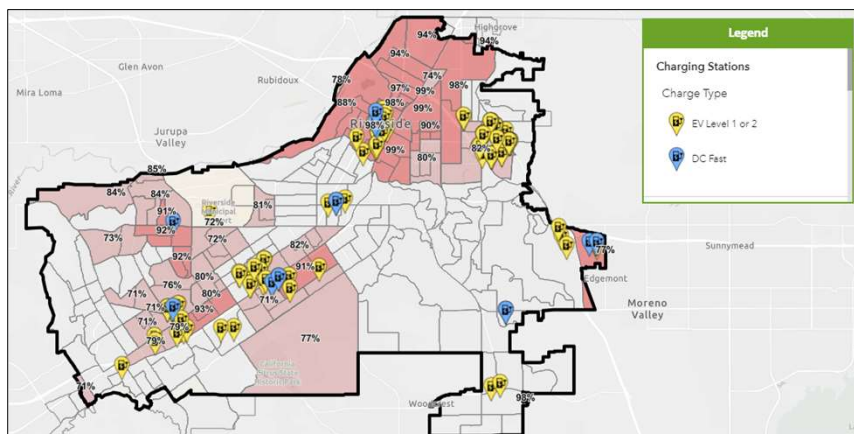
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DC Fast Chargers*
(44 of which are Tesla)



*Based on data from the CEC

Charging Stations in Riverside



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TO-DATE PERFORMANCE OF ELECTRIFY RIVERSIDE REBATES

**Electrify Riverside total program
expenditure to date:**
\$421,959.02

Rebates Paid to Customers in DAC's

2021: \$5,000

2022: \$18,269

2023: \$33,075

2024: \$55,173

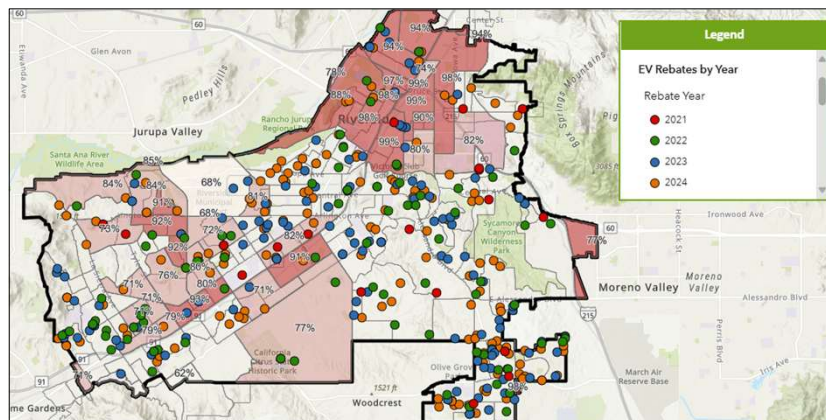
**31 SHARE customers received
additional rebate amount for the
purchase of a used EV**

**37% of rebates paid to customers
in DACs* in 2024**

**DAC as defined by CalEnviroScreen (SB 535)*



Distribution of Rebates



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CURRENT ELECTRIFY RIVERSIDE PROGRAMS



1. Residential Used EV Rebate – **Update**
2. Residential EV Charger Rebate – **Update**
3. Outreach and Education – **Update**
4. Public Access EV Charger Rebate – **No Change**
5. City Facility Publicly Accessible EV Charger Installation – **No Change**



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RESIDENTIAL USED EV REBATE

UPDATE: Residential rebate program for the purchase of used electric vehicles from a California based, auto dealership

1. FY 24/25: 107 rebates approved (**16 for SHARE customers**)
 - a. Total amount paid: \$131,000
2. Keep standard rebate amount at \$1,000
3. Increase additional rebate for SHARE customers from \$1,500 to \$3,000 for a total rebate up to \$4,000 (matches SCE low-income rebate)
4. Program funding:
 - a. Transfer \$30,000 from "Marketing, Education, and Outreach" account and \$20,000 from "Residential Home Charger EV Charger Rebate" account to be added to existing \$150,000 for a total budget of \$200,000 for FY 2025/26



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RESIDENTIAL EV CHARGER REBATE

UPDATE: Rebate for Level 2 home EV charger with an additional incentive for installation of TOU meter

1. FY 24/25: 47 rebates and 0 TOU meter rebates approved
 - a. Total amount paid: \$21,004.13
2. Increase rebate from \$500 to \$1,500 and **add installation and associated expenses as eligible costs (including electrical wiring & panel upgrade)**
3. Add an additional rebate for SHARE customers of \$1,000 for a total rebate up to \$2,500
4. Increase one-time additional TOU meter rebate from \$805 to \$1,000 for customers that opt into the EV-TOU rate (offsets increase in permits fees & charges)
5. Add as an allowable reimbursable expense the associated required permit fees as part of the rebate application
6. Program funding:
 - a. Transfer \$20,000 to "Residential Used EV Rebate" account, decreasing existing \$150,000 to a total budget of \$130,000 for FY 2025/26



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OUTREACH AND EDUCATION

UPDATE: Continue outreach and education programs to inform the public on the benefits of EV transportation using RPU existing marketing budget

1. FY 24/25 the following outreach and education efforts:
 - a. Updated Electrify Riverside rebate website and program information
 - b. Social media campaign
 - c. Staff attended multiple community and sustainability events promoting RPU's programs
 - d. Partnered with UCR EcoCAR team to conduct voluntary EV awareness survey and hosted educational community workshop
2. Program funding:
 - a. **No longer on the list of LCFS preapproved projects**
 - b. Transfer \$30,000 appropriated to this program to the "Residential Used EV Rebate" account, reducing program amount to \$0 for FY 2025/26



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PUBLIC ACCESS EV CHARGER REBATE

NO CHANGE: Currently provides rebates to non-residential and multi-family customers that install either wall mounted or pedestal, level 2 or higher capacity EV charging equipment that exceeds building code standards

1. FY 24/25: 1 rebate approved
 - a. Total amount paid: \$20,000
2. Keep rebate amounts at:
 - a. \$5,000 per charging station for public access locations (maximum of 5 per location)
 - b. \$10,000 per charging station for schools, affordable housing, and publicly accessible DC fast charger locations
3. Increase marketing to the business and multifamily owner community
4. Program funding:
 - a. Maintain current total budget for program at \$400,000 for FY 2025/26



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CITY FACILITY PUBLICLY ACCESSIBLE EV CHARGER INSTALLATION

NO CHANGE: RPU is working with other City departments to fund installation of publicly accessible EV chargers at City facilities such as libraries, parks, and City parking garages

1. Focused in low-income/DAC areas
2. Funds charging equipment and installation costs
3. In November 2024, upon award of grant, a supplemental appropriation of \$1,001,807 to provide a 20% match for the US DOT Charging and Fueling Infrastructure Grant for a 24-station charging hub at the Riverside Municipal Airport was approved – funds are currently being held for this project, will revert to LCFS reserve if grant is not awarded
4. Program funding:
 - a. Maintain the current total budget for program at \$500,000 for FY 2025/26



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PROPOSED NEW ELECTRIFY RIVERSIDE PROGRAMS



1. Public Access EV Electrical Infrastructure Rebate
2. Electric Public Transit Program



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PUBLIC ACCESS EV ELECTRICAL INFRASTRUCTURE REBATE PROGRAM

NEW: Provides rebates to non-residential and multi-family customers that install Level 2 or higher capacity EV charging equipment to assist with cost of necessary electrical infrastructure upgrades

1. Rebate amount:
 - a. 50% of applicable project costs not to exceed \$50,000 for electrical infrastructure upgrades necessary for the installation of EV chargers
2. Must be installing an EV charger that meets criteria of the Public Access EV Charger Rebate program
3. Can apply for Public Access EV Charger Rebate simultaneously
4. Program funding:
 - a. Propose a total program budget of \$500,000 for FY 2025/26



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ELECTRIC PUBLIC TRANSIT PROGRAM

NEW: Provides funding to assist with purchase of zero emissions buses that serve the public, including disadvantaged communities

1. Funding for the purchase of City electric buses to serve the public
2. City plans to purchase two 12-passenger electric buses in CY 2026 for the Riverside Connect program
 - a. Provides service to seniors and persons with disabilities
 - b. Operates throughout the City including in disadvantaged communities
3. Program funding:
 - a. Propose a total program budget of \$1,000,000 for FY 2025/26



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PLANNED FUTURE PROGRAMS

1. Development of a workforce development program in cooperation with the City's workforce development manager and local educational institutions.
2. Purchase of a portable EV charger to be deployable at locations and events throughout the City.



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RECOMMENDATIONS

That the City Council:

1. With at least five affirmative votes, authorize the Chief Financial Officer to record a supplemental appropriation in the total amount of \$500,000 from the Electric Fund Low Carbon Fuel Reserve Account and appropriate expenditures to the Public Access EV Electrical Infrastructure Rebate Account;
2. With at least five affirmative votes, authorize the Chief Financial Officer to record a supplemental appropriation in the total amount of \$1,000,000 from the Electric Fund Low Carbon Fuel Reserve Account and appropriate expenditures to the Electric Public Transit Program Account;
3. Approve an increase to the additional rebate amount for SHARE program customers for the Residential Used EV Rebate from \$1,500 to \$3,000 using existing funds in the account for FY 2025/26;

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RECOMMENDATIONS CONT.

4. Approve changes to the Residential EV Charger Rebate including making installation an allowable cost and increase the rebate amount from \$500 to \$1,500; add an additional rebate for SHARE program customers in the amount of \$1,000; increase the TOU meter rebate amount from \$805 to \$1,000 using existing funds in the account for Fiscal Year 2025/26; and include the associated required permit fees as a reimbursable expense as part of the rebate application; and
5. Authorize the City Manager, or designee, to execute the Electrify Riverside Programs and take all necessary actions required or advisable to implement, administer, fund, and carry out the City of Riverside's responsibilities under the Electrify Riverside Programs, including the ability to make minor and non-substantive changes and to execute future amendments to the Electrify Riverside Programs under substantially similar terms and conditions.

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