



**CALIFORNIA**  
High-Speed Rail Authority

# 2025 Sustainability Report



# 2025 Annual Sustainability Report

The cover of the 2025 Sustainability Report for the California High-Speed Rail Authority. It features a dark blue background with a map of California and a network of white dots and lines representing transit connections. A yellow line highlights the high-speed rail route. In the top right, the year "2025" is displayed in large yellow numbers. Below the year, the title "SUSTAINABILITY REPORT" and subtitle "California High-Speed Rail" are shown. A quote reads: "ESSENTIAL BACKBONE OF CALIFORNIA'S ZERO-EMISSION SUSTAINABLE TRANSIT NETWORK". The website "WWW.HSR.CA.GOV" is on the right. The California High-Speed Rail Authority logo is at the bottom left.

2025

**SUSTAINABILITY REPORT**  
California High-Speed Rail

ESSENTIAL BACKBONE OF  
CALIFORNIA'S ZERO-EMISSION  
SUSTAINABLE TRANSIT  
NETWORK

WWW.HSR.CA.GOV

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA High-Speed Rail Authority



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# Energy, Emissions and Air Quality



# Combating Pollution Has Already Started

- More than 90% of the 4,000 vehicles and construction equipment used on the project comply with EPA Tier 4 standards.
- We've avoided 630,000 pounds of pollutants since the start of construction.

**71%** ↓  
REACTIVE ORGANIC GAS

**62%** ↓  
NITROGEN DIOXIDE

**59%** ↓  
BLACK CARBON

**58%** ↓  
PARTICULATE MATTER



# Forecasting Greener Travel in the Golden State

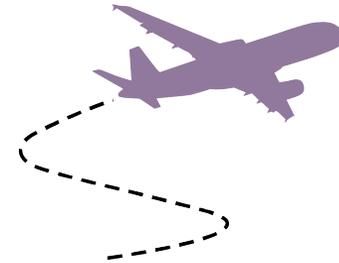
**500,000**  
**MTCO<sub>2</sub>e**

PROJECTED ANNUAL  
EMISSIONS AVOIDED  
(FULL CAPACITY SCENARIO,  
SF-Gilroy-Palmdale-Victorville Scenario)



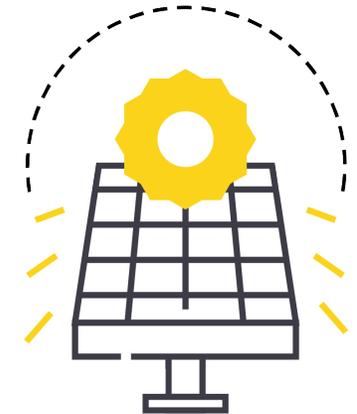
**1.4 BILLION**

VMT REDUCED ANNUALLY  
(FULL CAPACITY SCENARIO)



**14,000**

AIR TRIPS REDUCED  
ANNUALLY  
(FULL CAPACITY SCENARIO)



**0**

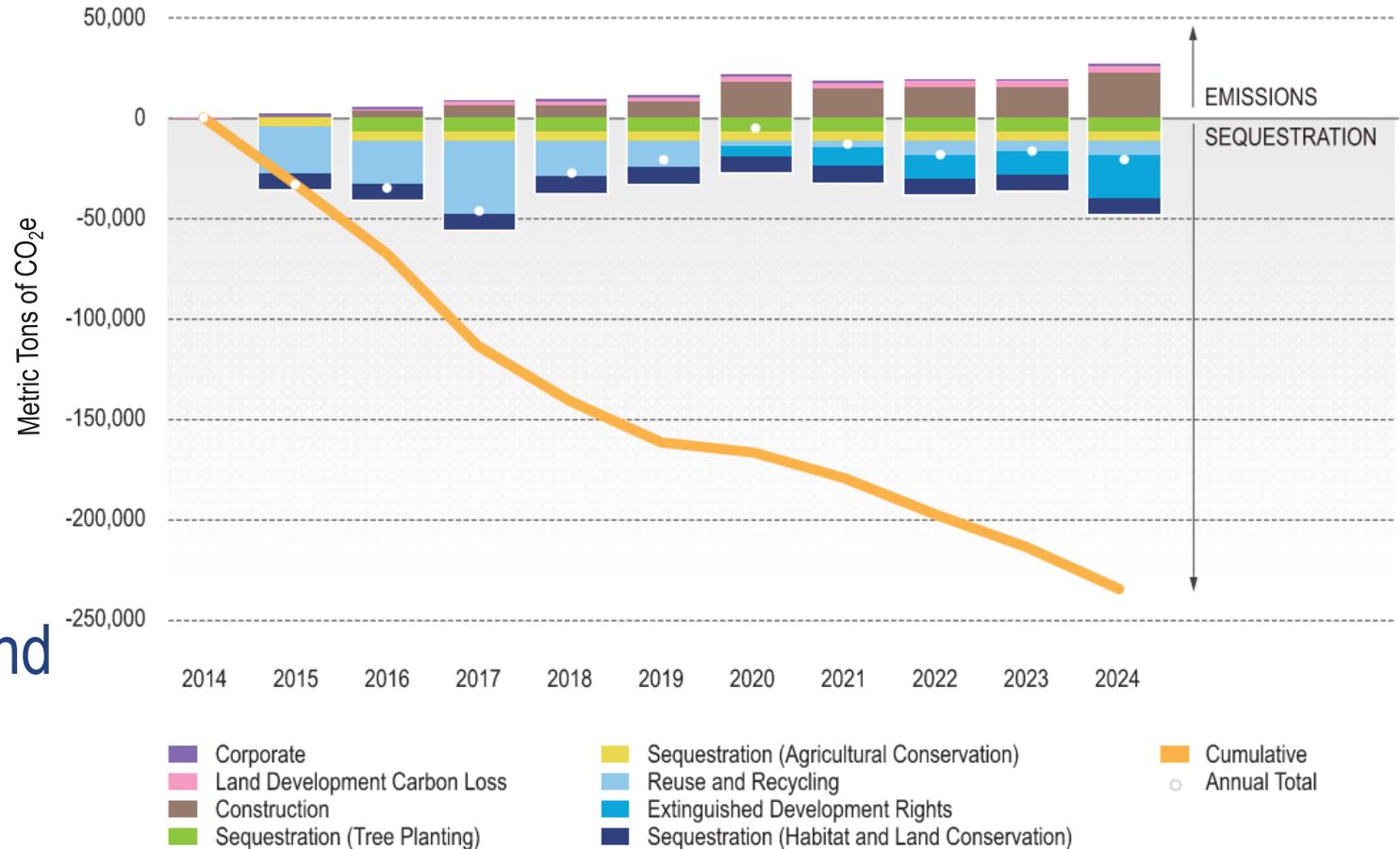
ZERO EMISSIONS IN  
OPERATION

# Contributing to California's Important Climate Goals

To date, we have sequestered and avoided nearly 250,000 tons of emissions.

Sequestration efforts include:

- Agricultural land conservation
- Habitat preservation
- Construction waste recycling and landfill diversion



Annual Greenhouse Gas Emissions and Sequestration During High-Speed Rail Construction, Corporate Operations, and Carbon Reduction Activities (MTCO<sub>2</sub>e)



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# Natural Resources



# Preserving Land and Protecting Wildlife



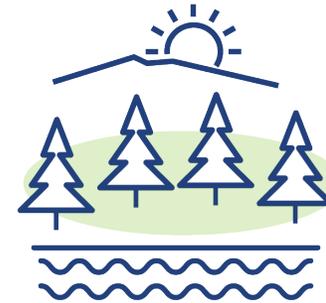
**PRESERVED** and restored more than 4,630 acres of habitat for wildlife.



**CONSERVED** more than 3,470 acres of agricultural land.



**AWARDED** \$2.5 million for urban tree planting in disadvantaged communities.



**REFORESTED** 1,804 acres through the tree planting program.



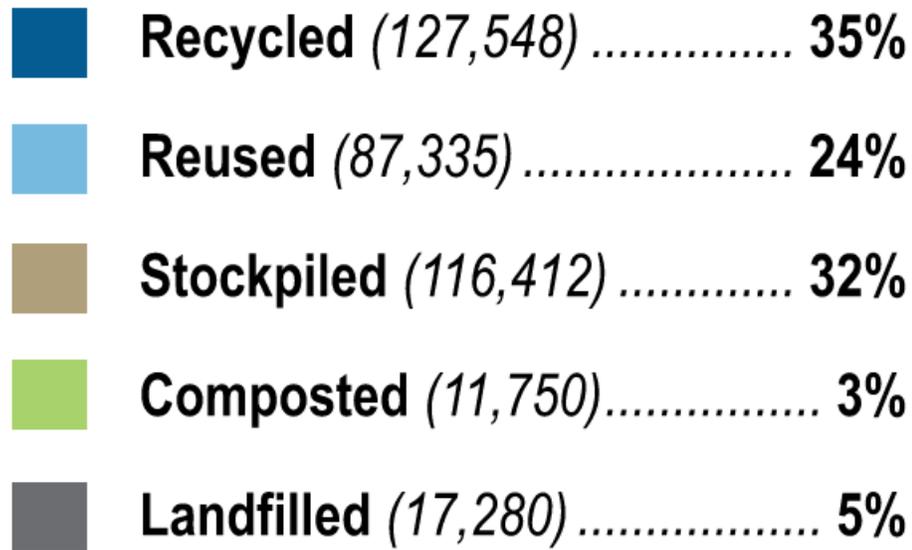
**AVOIDED** potable water use with over 90% of construction water drawn from non-potable sources



## Protecting Our State's Wildlife and Native Species

- Preservation and restoration of habitats support biodiversity and environmental quality.
- 511 acres wetlands have been restored (as part of the 4,600+ acres of land restoration).
- 600+ wildlife crossings have been planned or constructed.

# Setting the Standard for Waste Diversion



Waste data expressed in tons

## 95% Waste Diverted from Landfills



# Leading California to a Brighter and Greener Future

- Contributes to the State's goals of a carbon-neutral transportation system by 2035 and carbon-neutral economy by 2045.
- Delivers transportation excellence with an unmatched customer experience for all.
- Enhances quality of life by improving accessibility and reducing reliance on cars.





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# Thank you!

Learn more about  
California High-Speed Rail

[www.hsr.ca.gov](http://www.hsr.ca.gov)

Connect with us

