

## KEY FINDINGS BULLETIN



Energizing an Ecosystem:

# The Electric Mobility Revolution

in Southern California



**LOS ANGELES COUNTY**  
ECONOMIC DEVELOPMENT CORPORATION

*Collectively Advancing Opportunity and Prosperity for All*

[LAEDC.ORG/EV-REPORT](https://laedc.org/ev-report)

**LAEDC**

# 01

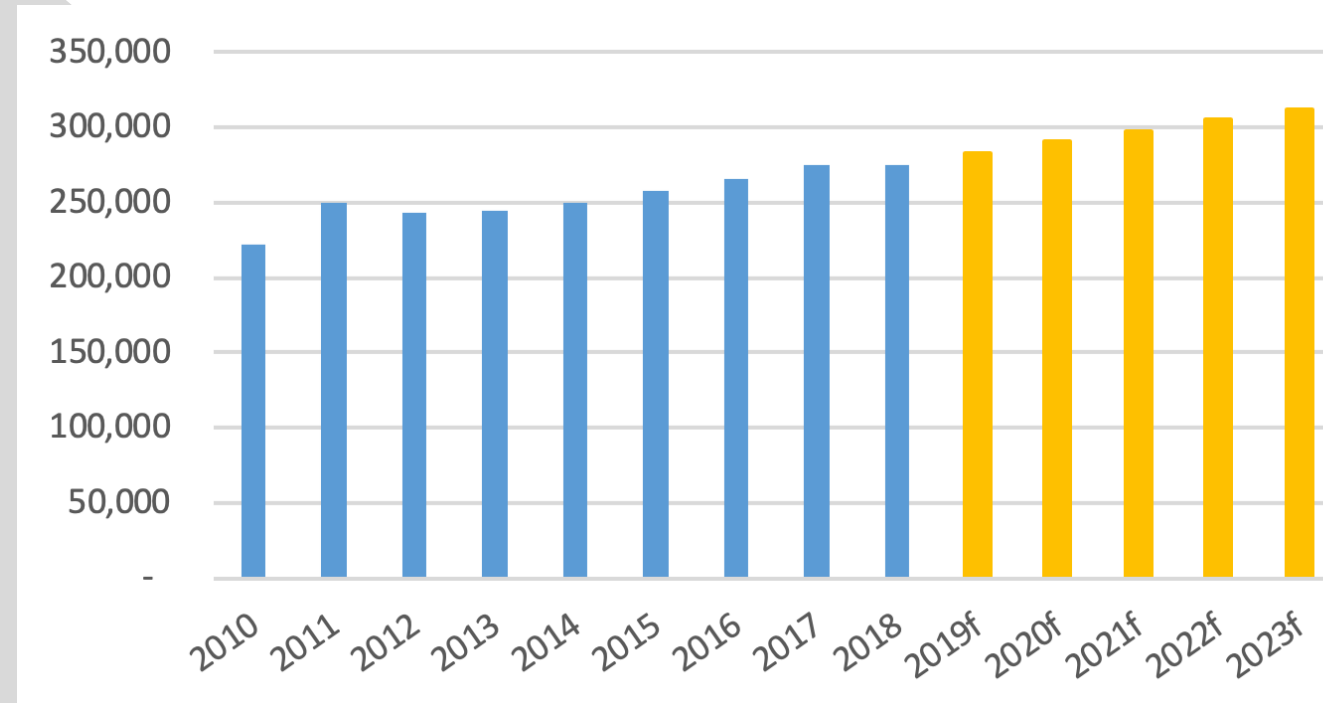
## The Electric Vehicle (EV) Industry in California

The EV industry is quickly making California a globally leading researcher, designer, manufacturer and exporter of transportation-related products, services and technologies; shifting the industry's U.S. footprint from Michigan to California. According to the LAEDC, California has a unique ecosystem of EV industry assets, not found elsewhere in the U.S.

# 02

## Employment in California's EV Industry is Growing

Employment in EV Ecosystem in California, 2010-2018, with LAEDC Forecast 2019-2023.



275,600 EV industry jobs in California, 43% of which are in SoCal.

LAEDC estimates EV-related jobs will grow 27.8 percent between 2018-2023 in CA.

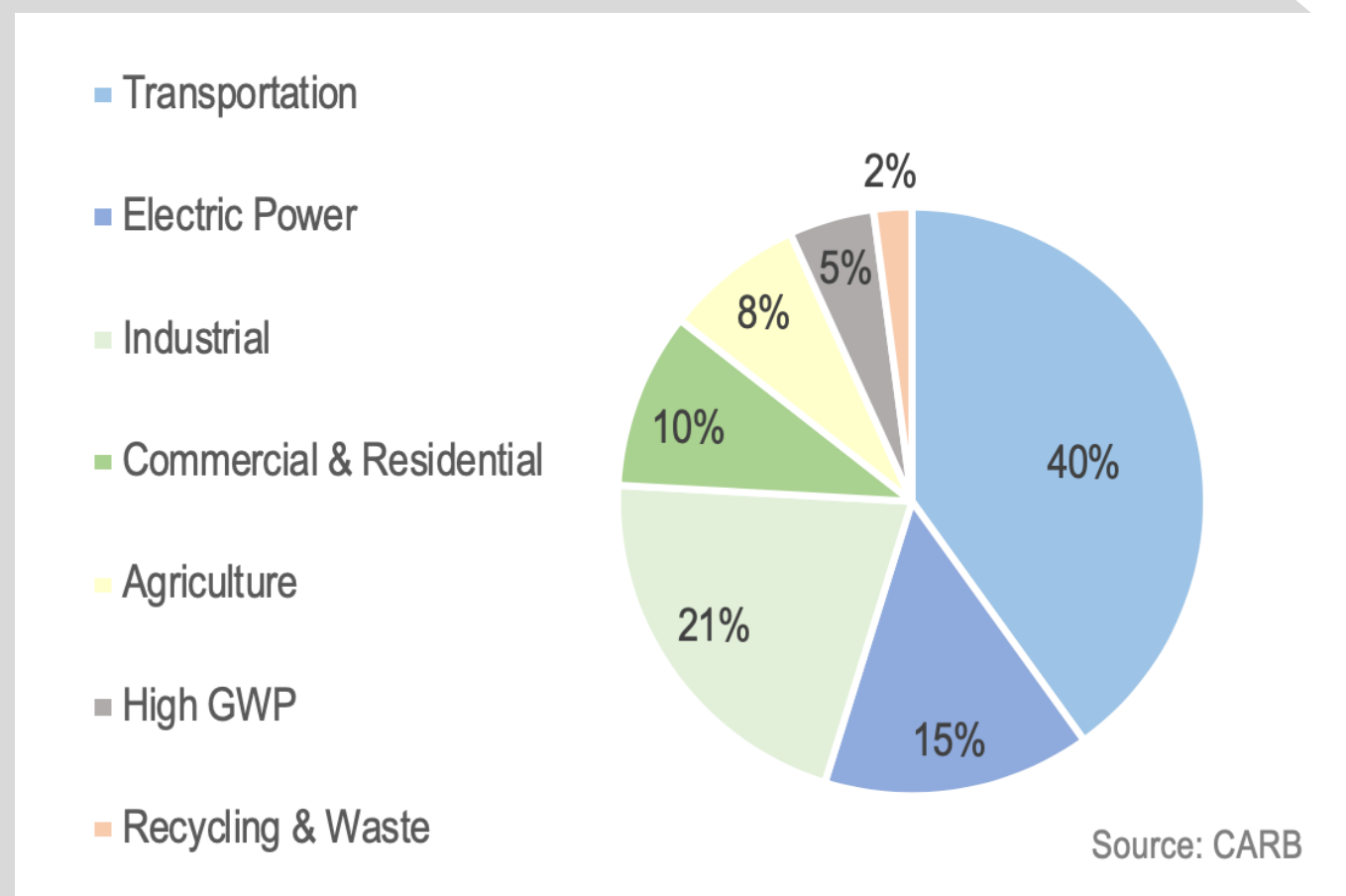
Average annual wage of \$91,321, well above the \$68,500 average across all CA industries.

Education requirements for the industry include a broad range, providing opportunity for a diverse workforce of Californians.

# 03

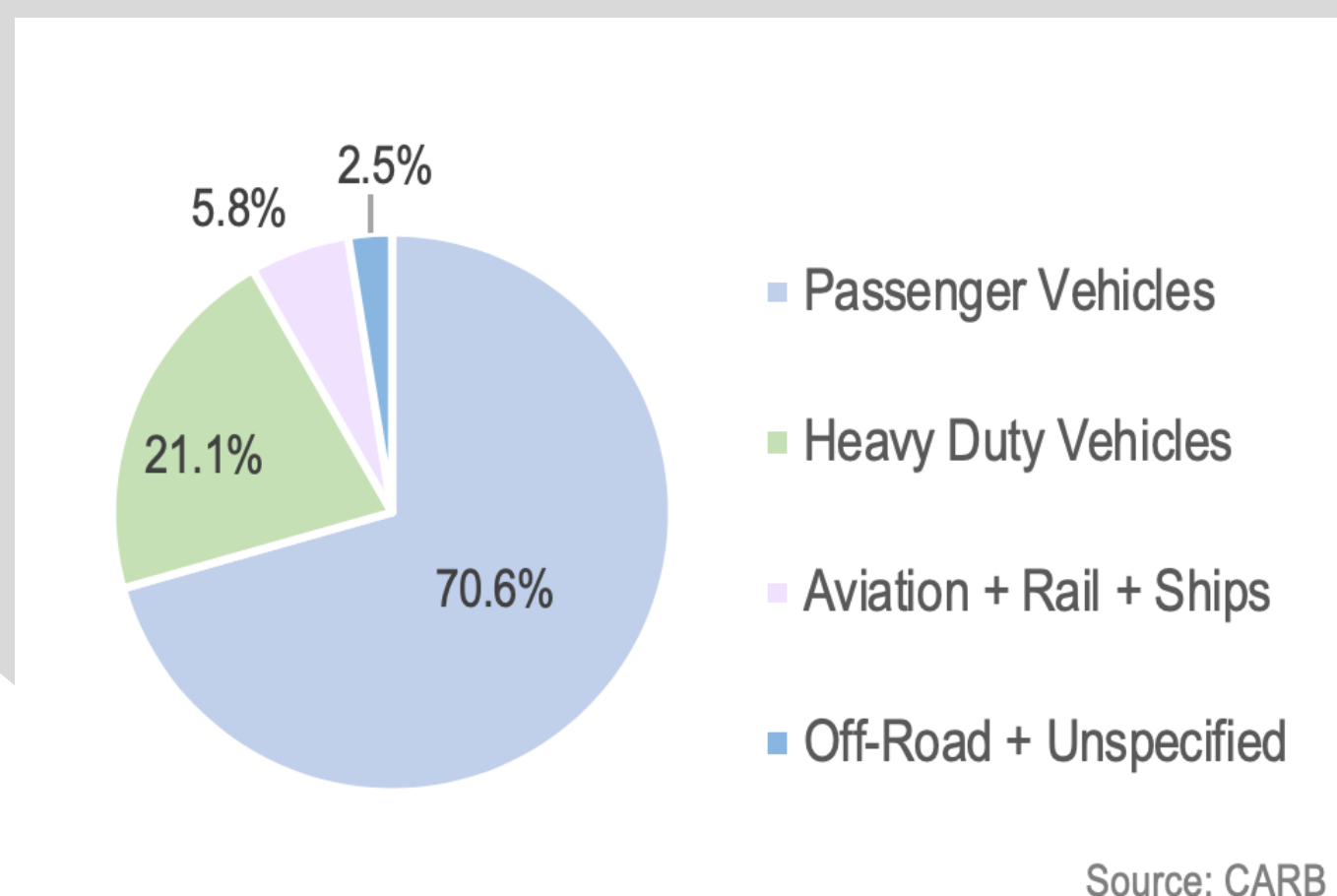
## How Important are EVs to California's Environmental Goals?

GHG Emissions by Source



**40% of CA's GHG emissions come from vehicles.**

Share of CA Emissions - Transportation



**71% of vehicle emissions are from passenger vehicles.**



# 04

## California's EV Industry is Unique. Encouraging Its Vibrant Growth Makes Good Economic Sense.

42 major passenger vehicle company locations in CA

- 13 are company headquarters
- 6 are research and development facilities
- 19 are design and technical studios
- 4 are manufacturing sites

Heavy vehicle manufacturing growth (EV buses and trucks)

# 05

## Reality Check

- Even with recent rapid increases in adoption, only 1.4% of vehicles on California's roads are EVs.
- This low penetration shows how much we need public policy to drive adoption.
- This low penetration also highlights how much upside potential there is for California's EV industry, as EV purchases increase exponentially, bringing money into California that circulates in the economy.
- California's competitive advantage in EVs may be fleeting, if we do not support the businesses in the ecosystem, which are driving innovation.

**84% average increase of new registrations**  
of Zero Emissions Vehicles in CA 2007-2018.

### 7 million EVs on the road by 2030

LAEDC analysis suggests that with the proper conditions, adoption can surpass CA's goal of 5 million EVs by 2030.

# 06

## Public Policy Ideas to Accelerate EV Adoption, Improve California's Competitive Advantage and Support Job Creation

- Government procurement preference for EV product from CA companies.
- Create a state incentive for EV manufacturing.
- Expand purchase incentives for EVs (such as rebates, trade-in credits) for consumers, business, and fleets.
- Anticipate declines in the \$7500 federal credit and replace or augment with state incentives.
- Establish a California Green Mobility Commission to support job growth and industry competitiveness  
Incentivize, daytime (workplace) charging to align electricity demand with peak solar production, to best utilize California's renewable energy assets.
- A buy-EV statewide marketing campaign.

Contact Judy Kruger at LAEDC, at 213-236-4837 or [judy.kruger@laedc.org](mailto:judy.kruger@laedc.org) | Visit [LAEDC.org/e4](https://www.laedc.org/e4)

This content is from LAEDC's report, Energizing an Ecosystem: The Electric Mobility Revolution in Southern California, available in February 2020

## Which Companies Are Giving California a Competitive Advantage?

