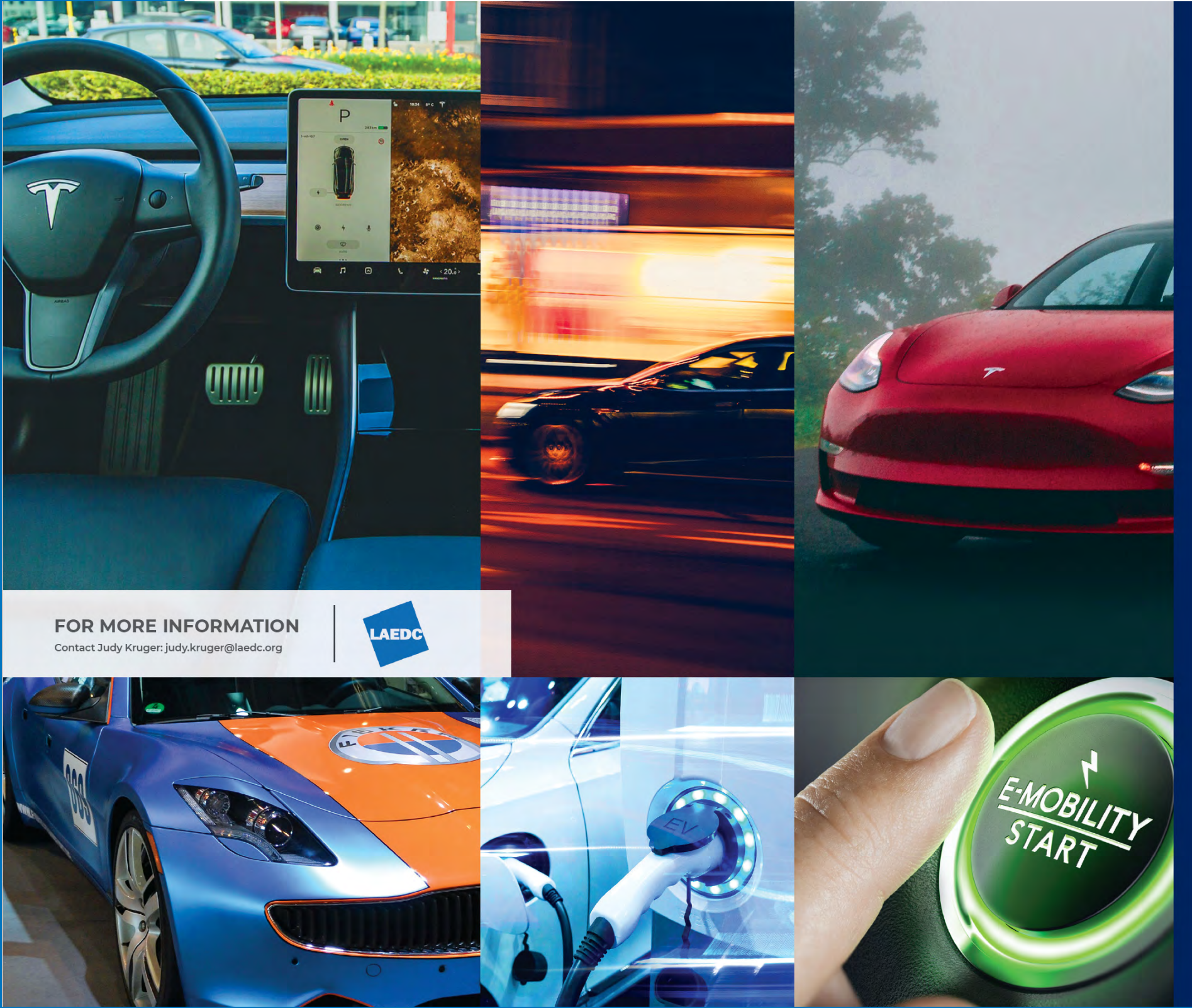


THE ELECTRIC MOBILITY REVOLUTION

ENERGIZING AN ECOSYSTEM

IN SOUTHERN CALIFORNIA



FOR MORE INFORMATION
Contact Judy Kruger: judy.kruger@laedc.org



Energizing an Ecosystem:
The Electric Mobility Revolution
in Southern California



LOS ANGELES COUNTY
ECONOMIC DEVELOPMENT CORPORATION
Collectively Advancing Opportunity and Prosperity for All

KEY FINDINGS BULLETIN



01

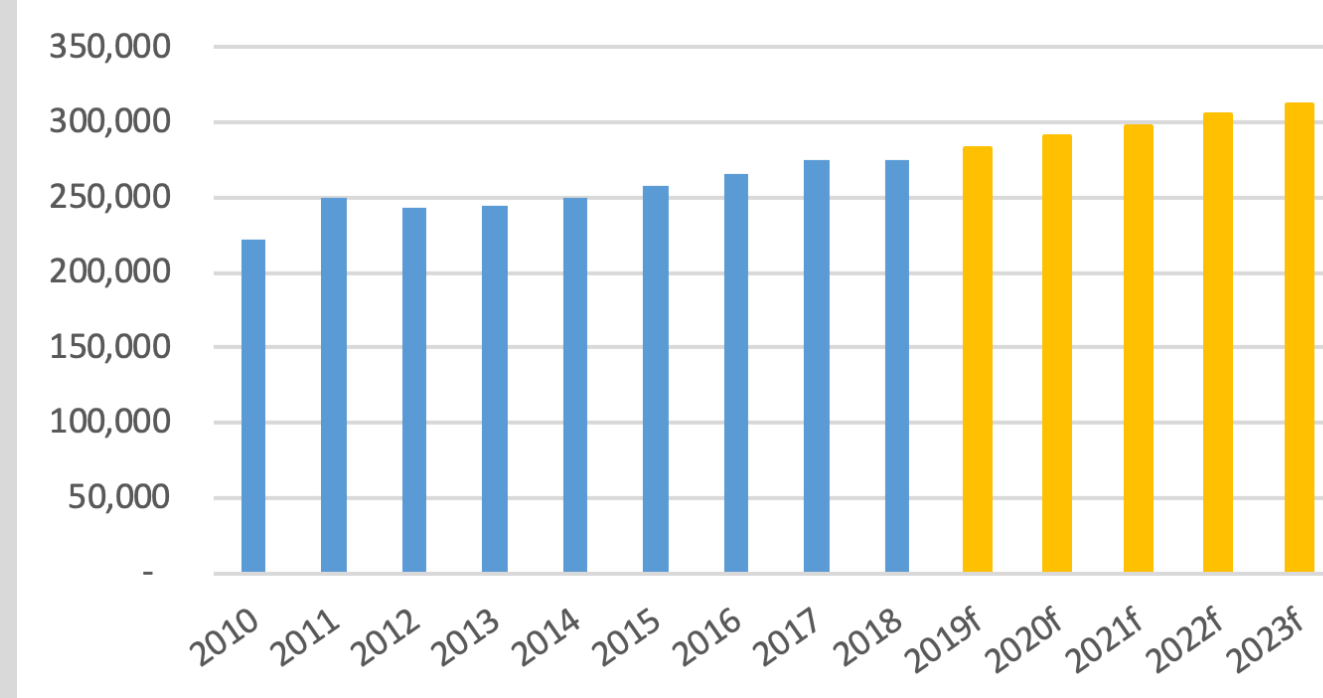
The Electric Vehicle (EV) Industry in California

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.

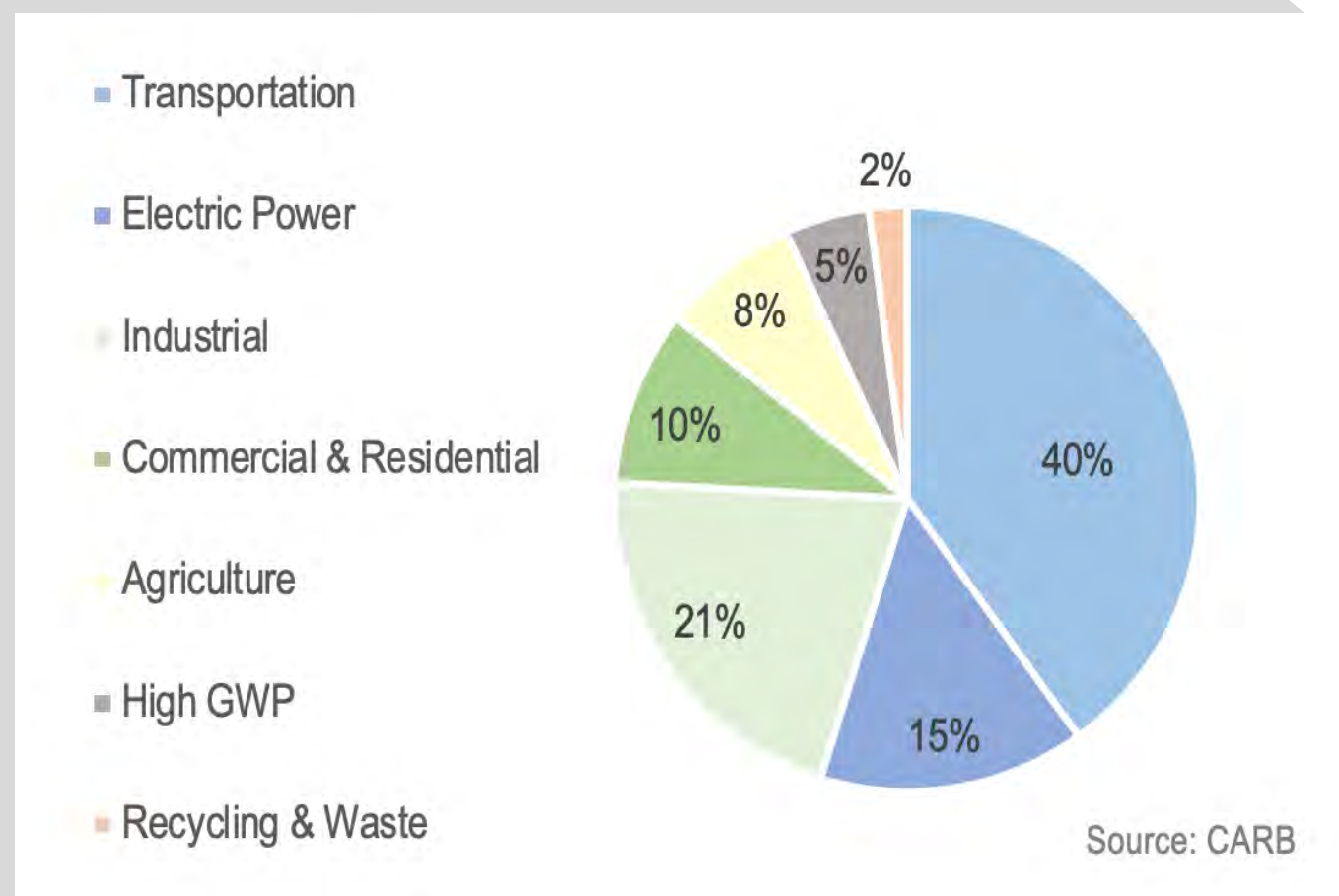
Average annual wage of \$91,321, well above the \$68,500 average across all CA industries.

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

03

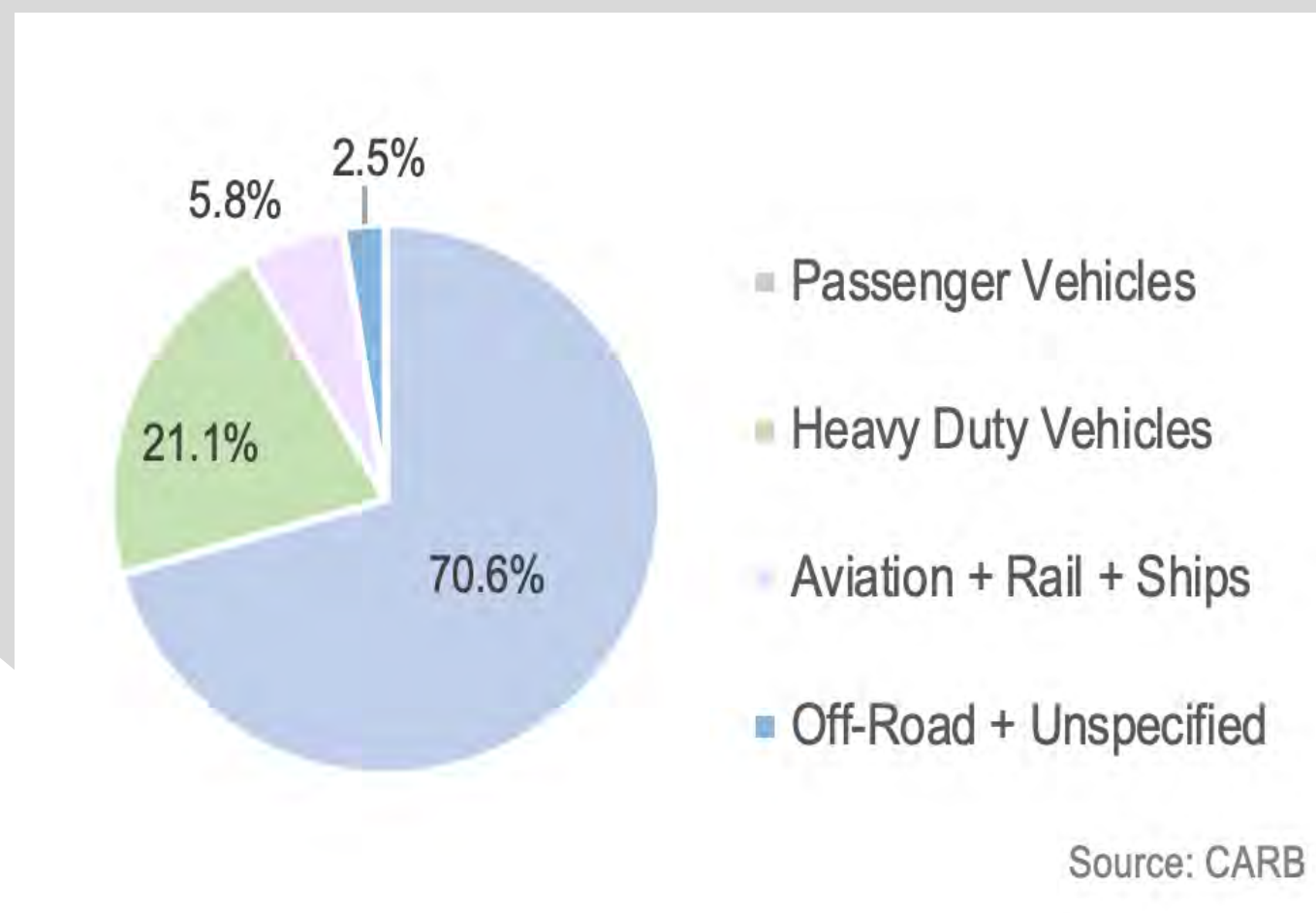
How Important are EVs to California's Environmental Goals?

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 | 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?

