

ZEV COMMUNITY



Country: United States

Area: 163,696 miles²
(423,970 km²)

Population:
39.51 million (2019)

GDP: \$3.2 trillion (2019-Q4)

Total vehicles registered:
28.5 million light-duty
vehicles (2019)

CALIFORNIA: TAKING ACTION ON ZERO EMISSION VEHICLES

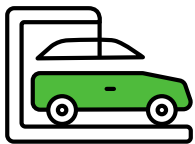
California has a long history of strong leadership in climate action and the roll-out of zero emission vehicles (ZEVs).

The government has set a target to reach 100% ZEV sales for passenger cars and trucks and implemented ZEV standards for manufacturers. These are ambitious steps towards the decarbonisation of the transport system. The government is supporting ZEV uptake through a strong regulatory environment and investment in infrastructure improvements.

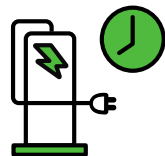
- ZEVs on the road: 763,816 (cumulative sales, [Q3 2020](#))
- EV charging plugs: 67,343 (and 44 hydrogen stations)



KEY POLICIES



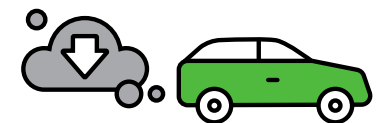
Manufacturing: To support the growth of ZEV-related industries and meet increasing demand, automakers must [produce a number of ZEVs and plug-in hybrids](#) each year based on the total number of cars sold in California.



Fuelling: [“Time-of-use” energy rates](#) encourage charging during “off-peak” hours and help minimise the impacts on the grid. Plan for 200 hydrogen fuelling stations by 2025.



Incentives: [\\$1,500 base incentive](#) on the purchase or lease of a new zero emission or plug-in hybrid light-duty vehicle. Some incentive programs go up to \$7,000. Rebates are also available from [electric utility companies](#) to customers driving plug-in electric vehicles (PEVs).



Emissions standards: The [Advanced Clean Cars](#) regulations include increasingly stringent standards for criteria pollutants and greenhouse gases emitted by new passenger vehicles and light-duty trucks.

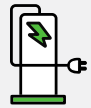
GHG EMISSIONS TARGETS

California emitted 425.3 million metric tons of carbon dioxide equivalent (MMTCO₂e) in [2018](#). The state has set goals to reduce emissions below 1990 levels:

40% reduction by **2030**

Net zero by **2045**

ZEV TARGETS



250,000

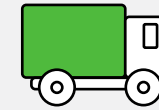
EV charging stations and

200 hydrogen stations by **2025**



100%

ZEV sales for all passenger and off-road vehicles by **2035**



100%

ZEV sales for on-road medium and heavy-duty vehicles by **2045**

KEY OUTCOMES



ZEV market: Around [50%](#) of ZEV sales in the US happen in California. ZEVs were California's largest export in the 2nd half of 2020.



ZEV annual sales: 105,999 EVs sold in [2020 \(Q1-Q3\)](#), close to the 147,347 sold in 2019.



Increasing ZEV uptake: 63% increase in EV sales between 2015 and 2020 (Q1-Q3), [cumulative sales](#) from 2011-2020 were 763,816.



Job creation: The development of the ZEV industry has contributed to the creation of [275,600 new jobs](#).

41%

of California's greenhouse gas emissions (2018) are from transport

89%

of transport emissions are from on-road vehicles

