



United states electric vehicles

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Drew Dorian is a lifelong car enthusiast who has also held a wide variety of consumer-focused positions throughout his career, ranging from financial counselor to auto salesperson. He has dreamed of becoming a Car and Driver editor since he was 11 years old--a dream that was realized when he joined the staff in April 2016. He's a born-and-raised Michigander and learned to drive on a 1988 Pontiac Grand Am. His automotive interests run the gamut from convertibles and camper vans to sports cars and luxury SUVs.

Austin Irwin has worked for Car and Driver for over 10 years in various roles. He's steadily worked his way from an entry-level data entry position into driving vehicles for photography and video, and is now reviewing and testing cars. What will he do next? Who knows, but he better be fast.

Range, efficiency, and base price: This guide will help you decide on the EV that works best for you.

The adoption of plug-in electric vehicles in the United States is supported by the American federal government, and several states and local governments.

As of December 2023, cumulative sales in the U.S. totaled 4.7 million plug-in electric cars since 2010, led by all-electric cars. Sales totaled 1,402,371 units in 2023, with a market share of 9.1%. This was the first time the American market surpassed the 1 million sales mark. The American stock represented 20% of the global plug-in car fleet in use by the end of 2019 and the U.S. had the world's third largest stock of plug-in passenger cars after China (47%) and Europe (25%).

The Energy Improvement and Extension Act of 2008 and later the Inflation Reduction Act granted federal tax credits for new qualified plug-in electric vehicles, worth up to US\$7,500. As of 2014, Washington, D.C. and 37 states had established incentives and tax or fee exemptions for BEVs and PHEVs, or utility-rate breaks, and other non-monetary incentives such as free parking and high-occupancy vehicle lane access.

Articles about plug-in electric vehicles in individual states:

Considering that actual PEV sales were lower than initially expected, as of early 2013, several industry observers have concluded that this goal was unattainable. Obama's goal was achieved only in September 2018.

In 2008, San Francisco Mayor Gavin Newsom, San Jose Mayor Chuck Reed and Oakland Mayor Ron Dellums announced a nine-step policy plan for transforming the Bay Area into the "Electric Vehicle (EV)



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Capital of the U.S." Other local and state governments have also expressed interest in electric cars.

Governor of California Jerry Brown issued an executive order in March 2012 that established the goal of getting 1.5 million zero-emission vehicles (ZEVs) on California roads by 2025.

In March 2009, as part of the American Recovery and Reinvestment Act, the U.S. Department of Energy announced the release of two competitive solicitations for up to \$2 billion in federal funding for competitively awarded cost-shared agreements for manufacturing of advanced batteries and related drive components as well as up to \$400 million for transportation electrification demonstration and deployment projects. This initiative aimed to help meet President Barack Obama's goal of putting one million plug-in electric vehicles on the road by 2015.

First the Energy Improvement and Extension Act of 2008, and later the American Clean Energy and Security Act of 2009 (ACES) granted tax credits for new qualified plug-in electric drive motor vehicles. The American Recovery and Reinvestment Act of 2009 (ARRA) also authorized federal tax credits for converted plug-ins, though the credit is lower than for new plug-in electric vehicle (PEV).

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