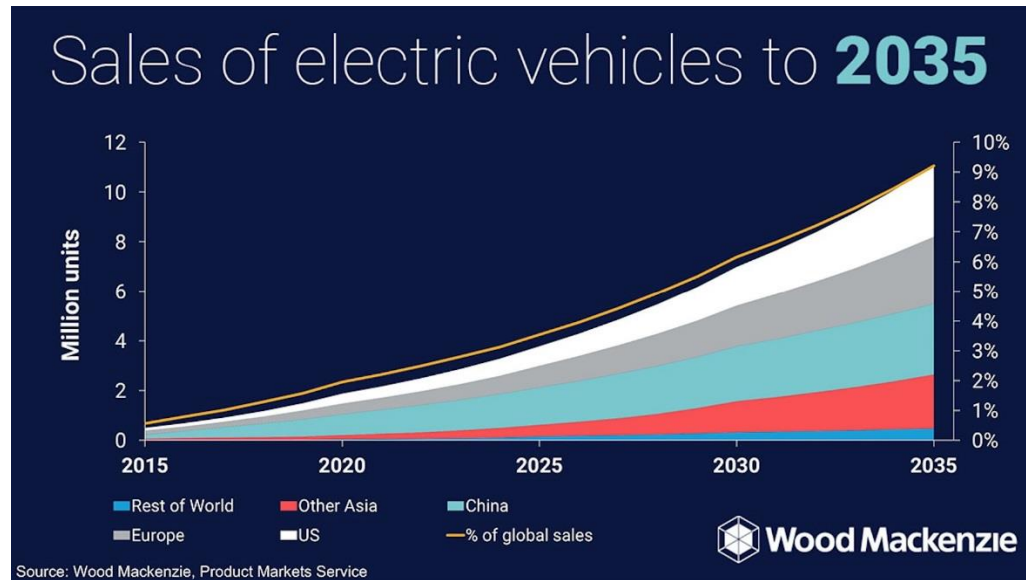
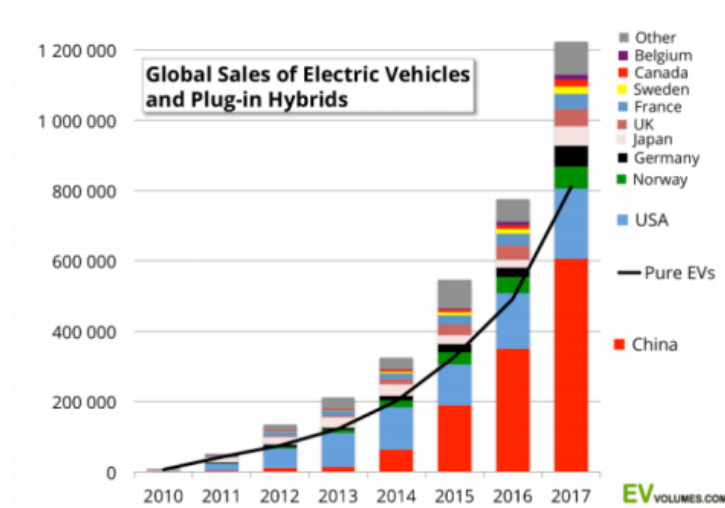


EV Adoption



Did You Know:



- Global EV sales grew by +58% in 2017 vs. 2016. However, in 2017 only 1.3% of all cars sold were EV's.
- China is the world leader in EV adoption, with over 600,000 electric cars sold in 2017 vs. 200,000 in the USA.
- Norway is the world leader in EVs as a percentage of sales. In 2017, 39% of new cars sold were EV's compared to 1.2% in the US.

- The 3 top-selling EVs in the U.S. market are: 1. Tesla Model S; Chevy Bolt; and, the Tesla Model X
- Since 2011, almost half of all total EVs sold in the US have been sold in California (320,000)
- The South Bay needs to have 33,000 EVs on the road to meet its share of California's 2025 EV adoption goals.

Global – Rapid Growth in 2017

World-wide in 2017, roughly 1.3 million EVs were sold globally. While this makes up only about 1 percent of total passenger vehicle sales, it is a 57 percent increase over 2016 sales, and there is little reason to believe this trend will slow down. Established OEMs have announced launches of more than 100 new battery electric vehicle (BEV) models by 2024, further accelerating automotive and mobility trends, potentially growing EVs' share of total passenger-vehicle sales to 30 to 35 percent in major markets like China, Europe, and the U.S. (20 to 25 percent globally) by 2030.

From McKinsey Report: <https://goo.gl/jSHmr3>

United States – Continued but Slower Growth in 2017

In 2017, the total number of EVs sold nation-wide was 199,826 a growth rate of 26% from 158,614 in 2016. The 26% increase was 10 percentage points below 2016's 36.6% increase over 2015 (which was a down year). Predictions for 2018 suggest strong sales of that could range up to 60% if Tesla Model 3 deliveries achieve targets and sales of the Bolt, Prius Prime, Nissan LEAF and others are strong. From 2011 through 2017 over 760,000 EVs have been sold across the United States. Even with this extraordinary growth, electric vehicles represent a market share of only 1.01% of all U.S. car sales.

From: <https://goo.gl/f1Dnta>

California – Driving the US Market

California Assembly Bill 32 ([AB 32](#)) requires that [1.5 million EVs](#) be on the road in California by 2025. Through 2017, California led the nation pure BEV adoption as well as Plug-In Electric Vehicles (PEV), with almost 61,000 vehicles sold. From 2011 through 2017, over 320,000 EVs have been sold in the state. Overall market share for pure BEVs in California continues to increase – rising from 1.7% of all cars sold throughout the state in 2015 to 1.9% in 2016 to over 2.5% in 2017. Looking at the overall picture, sales of electric and plug-in hybrid cars showed a healthy increase in 2017 compared to the prior year. Battery electric car sales were up 30.4% for a 2.5% market share. Plug-ins moved up 29.5% for a 2.2% market share. Combined, they accounted for 4.7% of all cars sold in California. Driving this growth are affordable longer range EVs like the Chevy Bolt.

Source: <https://goo.gl/4JvguU>

South Bay – 33,000 EVs by 2025

How many EVs does the [South Bay need](#) to adopt to meet its portion of the California state goal of 1.5 million EVs by 2025? Since the South Bay represents 2.2% of the registered vehicles in California, the calculation of EVs needed equals 33,000 (2.2% * 1.5 million). Use the navigation tools (select a city from the drop-down list or from the map below) to find out how far along each South Bay city is towards reaching their individual goal. Stay tuned for updated information on each city's EV efforts and resources.