



2024 VEHICLE FINANCE CONFERENCE & EXPO

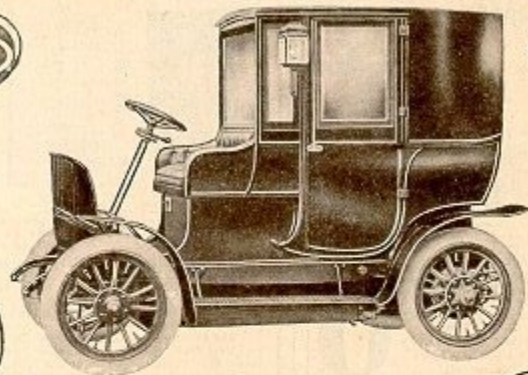
January 29-February 1, 2024
Bellagio Las Vegas

ALL IN IT TO WIN IT

A NEW

Columbia

**ELECTRIC
BROUGHAM**



The illustration shows the new model Columbia Electric Brougham, Mark LXVIII

It is much lighter than any electric Brougham previously made admitting the use of resilient pneumatic tires.

The maximum speed is eighteen miles an hour.

There are many important improvements.

Five speeds forward; three reverse, give flexibility of operation.

Its appointments are correct; its conveniences of travel, "de luxe" throughout.

This vehicle is made for private use only, and is designed to succeed previous Columbia Electric Broughams, which have been favorite town vehicles of people who have and demand the best of everything, in New York, London, Paris and other large cities.

To same chassis are supplied Landaulet, Victoria and Hansom bodies.

To secure early delivery orders should be placed now.

No less distinctive and preferable among electric vehicles are the lighter Columbias—Surreys, Victoria-Phaetons and Runabouts.

All Columbia Electric Carriages are equipped with Exide Batteries, the only thoroughly efficient and practical vehicle batteries developed to date

Electric Carriage Catalogue on request; also separate catalogues of Columbia Electric Commercial Vehicles and Columbia Gasolene Cars

ELECTRIC VEHICLE COMPANY

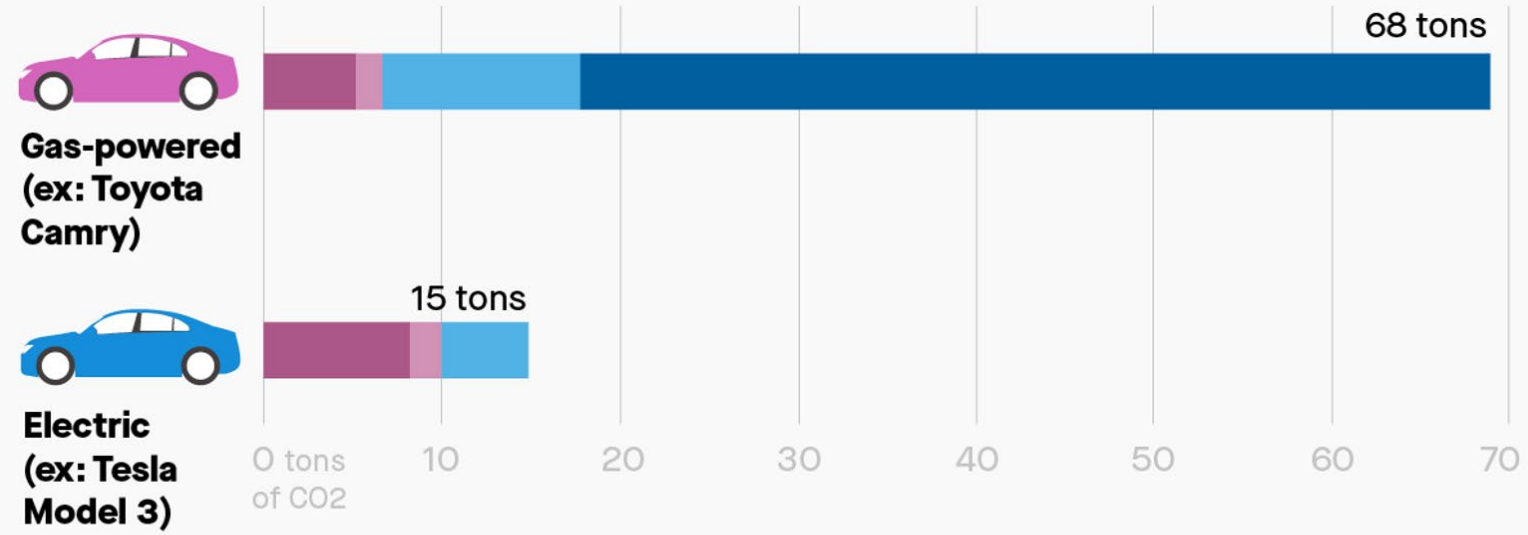
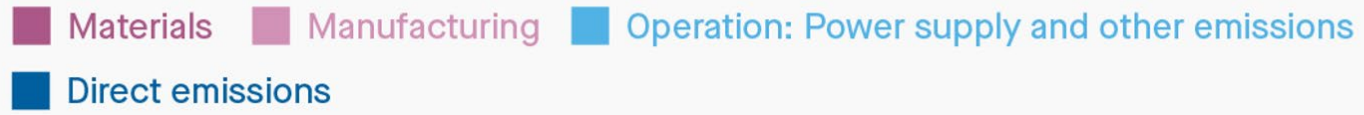
HARTFORD CONN U. S. A.

New York Branch: 234-126-128 West 32nd Street.
Chicago Branch: 1323-1331 Michigan Avenue.
Boston: Columbia Motor Vehicle Co., 74-75-78 State Street.

Philadelphia: Pennsylvania E. Vehicle Co., 220 N. Broad St.
Washington: Washington E. V. Transportation Co., 15th St. and
Ohio Ave. Paris: A. Bianchi, 191 Boulevard Haussmann.

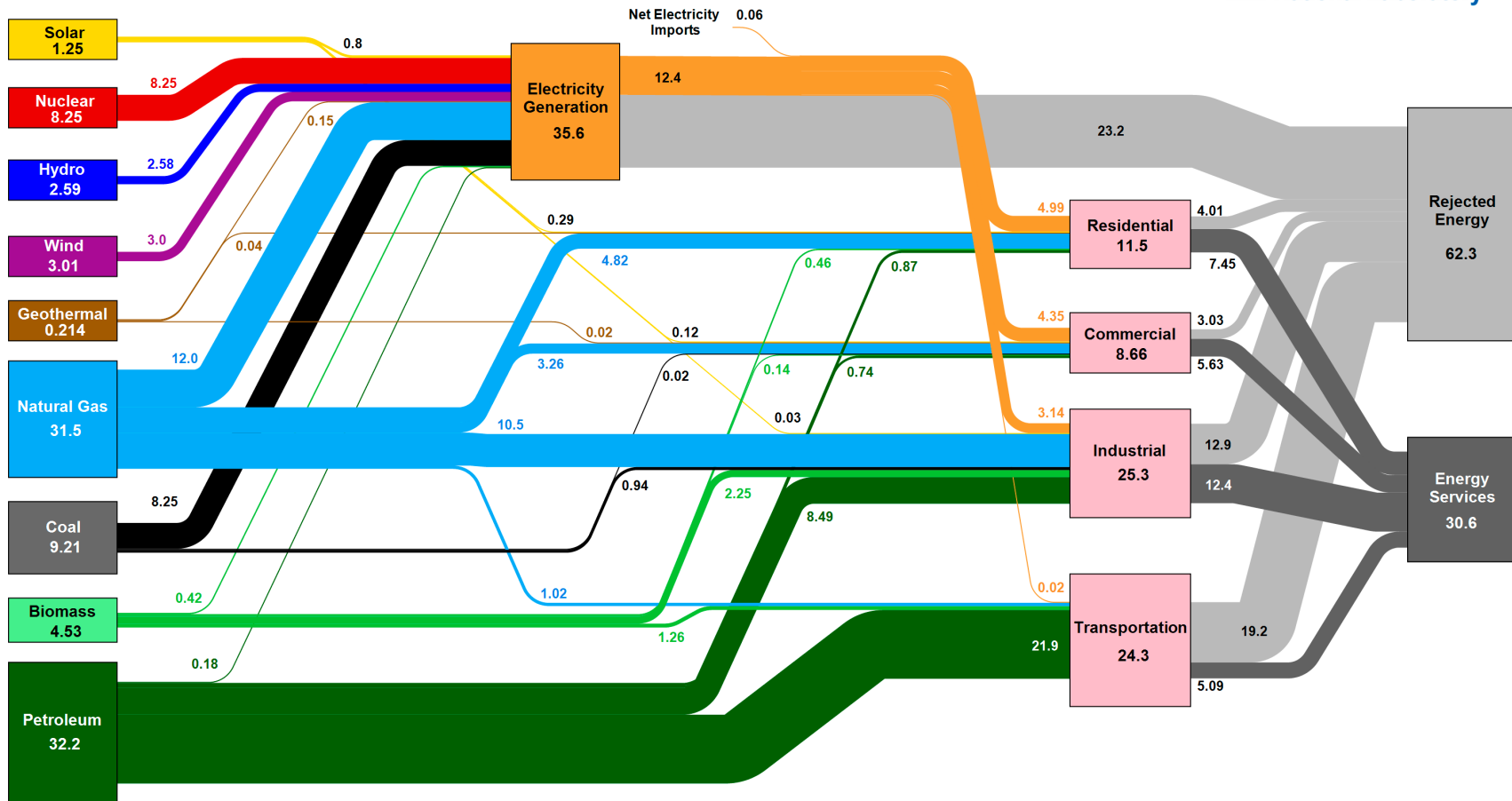
Member Association of Licensed Automobile Manufacturers

Life-cycle carbon emissions intensity of internal combustion engine vehicles vs. electric vehicles



Quartz | qz.com | Data: International Energy Agency 2021, Hoekstra and Steinbuch et. al | Note: A direct emission is tailpipe exhaust from gas-powered cars. EVs do not have direct emissions but emit carbon through the production of electricity required to charge the battery.

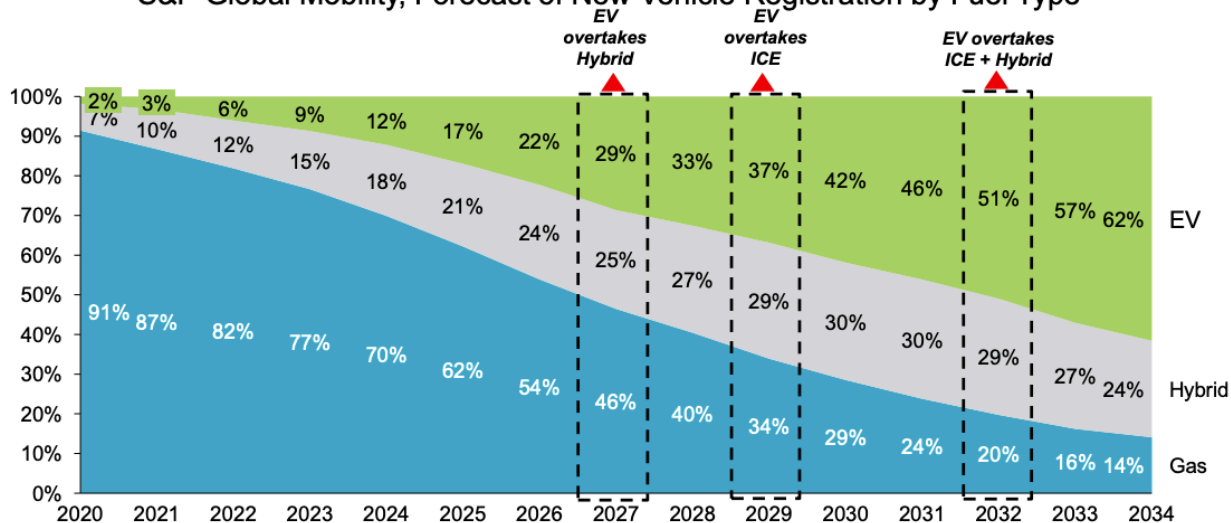
Estimated U.S. Energy Consumption in 2020: 92.9 Quads



Source: LLNL March, 2021. Data is based on DOE/EIA MER (2020). If this information or a reproduction of it is used, credit must be given to the Lawrence Livermore National Laboratory and the Department of Energy, under whose auspices the work was performed. Distributed electricity represents only retail electricity sales and does not include self-generation. EIA reports consumption of renewable resources (i.e., hydro, wind, geothermal and solar) for electricity in BTU-equivalent values by assuming a typical fossil fuel plant heat rate. The efficiency of electricity production is calculated as the total retail electricity delivered divided by the primary energy input into electricity generation. End use efficiency is estimated as 65% for the residential sector, 65% for the commercial sector, 21% for the transportation sector and 49% for the industrial sector, which was updated in 2017 to reflect DOE's analysis of manufacturing. Totals may not equal sum of components due to independent rounding. LLNL-MI-410527

The growth of new EV offerings will help EV share of new vehicles to overtake ICE in less than 10 years

S&P Global Mobility, Forecast of New Vehicle Registration by Fuel Type



How Electric Vehicles Are Losing Momentum with U.S. Buyers, in Charts

EV sales grew nearly 50% this year but have plateaued in recent months

U.S. electric-vehicle sales, change from a year earlier



WOULD-BE EV BUYERS STILL HAVE CONCERNS



RANGE



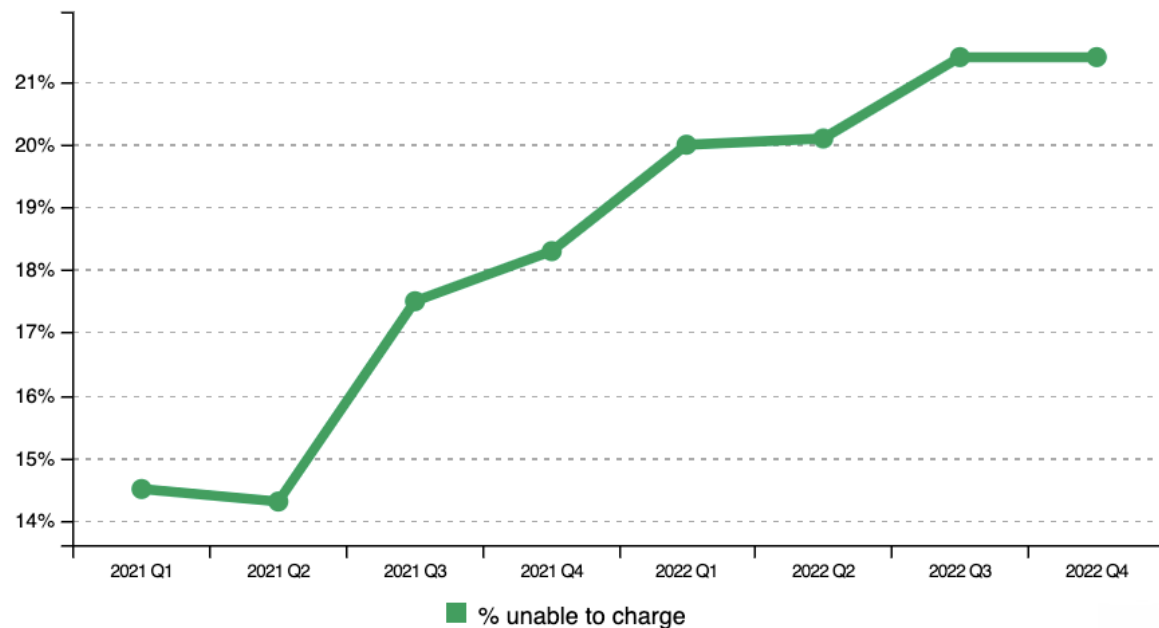
CHARGING SPEED



CHARGER AVAILABILITY

EV drivers unable to charge at public chargers

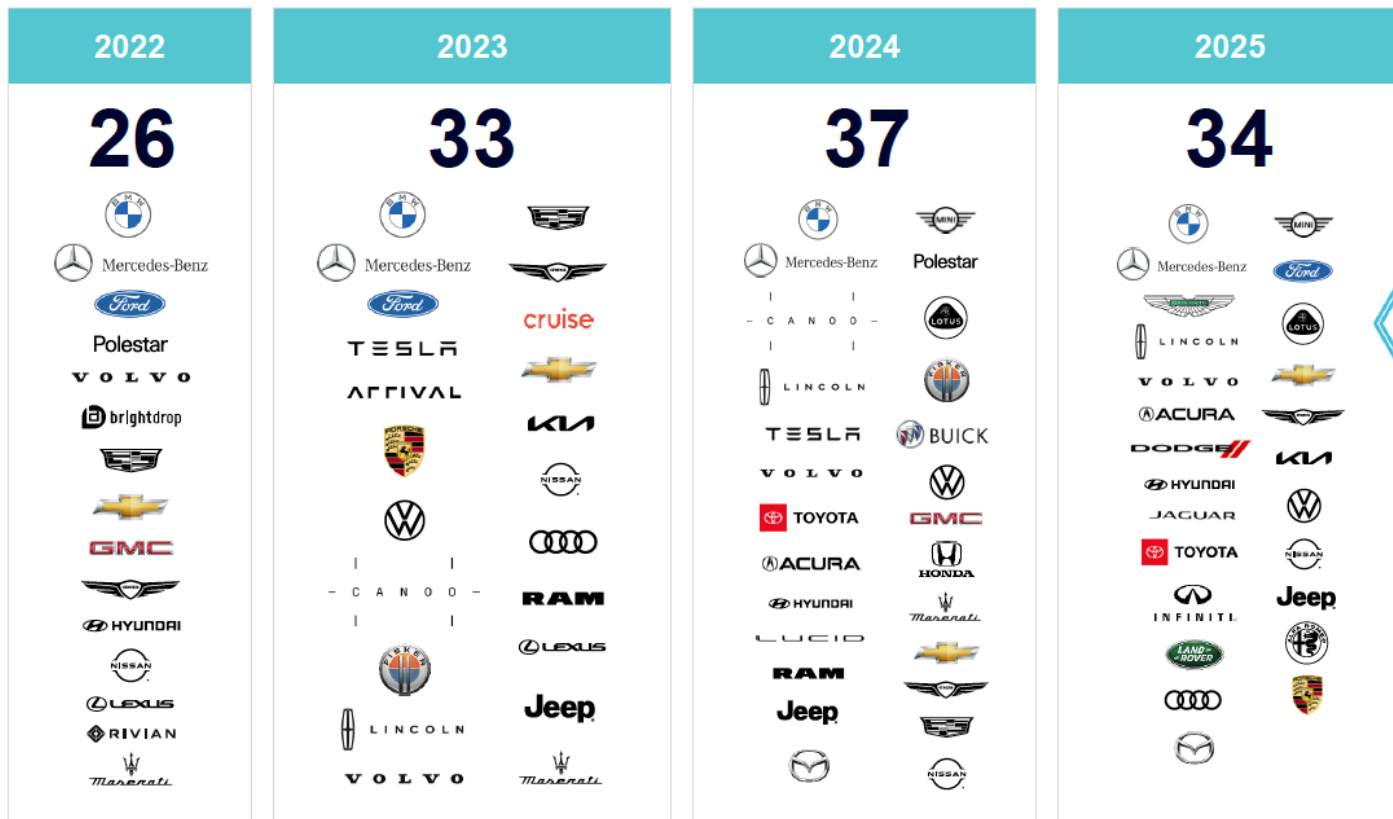
Hover over or touch chart for a detailed view.



Source: J.D. Power Electric Vehicle Experience Public Charging Study








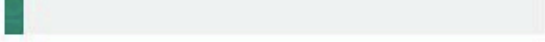
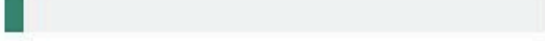
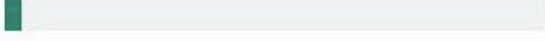
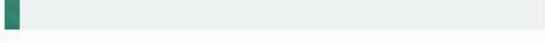
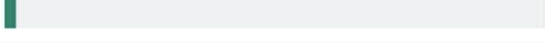
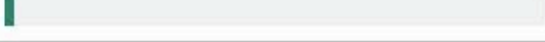
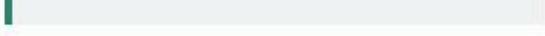
Wave of new EVs is on the way



130
NEW VEHICLES
COMING IN
3 YEARS

How EV brands rank

Here are the number of EV registrations in the U.S., listed by brand for the period of January to October 2023.

	EV registrations		Market share
Tesla	537,622		56.3%
Chevrolet	55,952		5.9%
Ford	55,155		5.8%
Hyundai	45,621		4.8%
Rivian	35,751		3.7%
BMW	34,806		3.6%
Mercedes	31,843		3.3%
Volkswagen	30,939		3.2%
Kia	26,032		2.7%
Audi	20,091		2.1%
Nissan	16,984		1.8%
Volvo	12,149		1.3%

Ford Is Doing Very Well So Long As You Ignore The \$4.5B They Could Lose On EVs

Also, GM has feelings about ever-tightening fuel economy standards and European carmakers know China's got them beat on EV pricing, in today's Morning Shift.

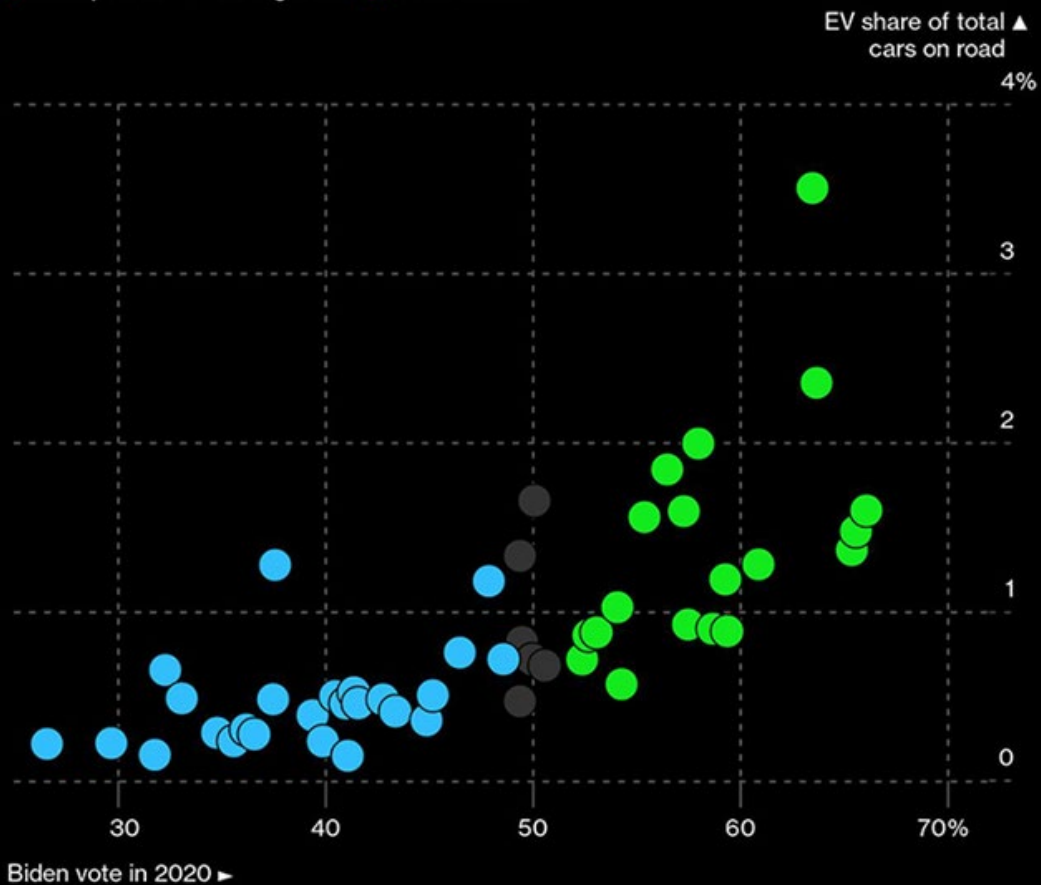
By **Adam Ismail** Published July 28, 2023 | Comments (25)



EV Ownership Is Split by Politics in US

Share of electric vehicles vs. 2020 presidential vote

● Trump state ● Swing state ● Biden state



Source: BloombergNEF, Cook Report, Experian Automotive, DOE

Bloomberg

US presidential election 2024 [+ Add to myFT](#)

Donald Trump would gut Joe Biden's landmark IRA climate law if elected

Former president plans to scrap clean energy rules and expand drilling to boost fossil fuels, say advisers

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Former president Donald Trump has criticised Joe Biden for compromising what he claimed was his achievement of securing US 'energy independence' © Carlos Barria/Reuters

EV repair claims rise as costs remain higher than ICE vehicles

Mitchell International projects that the gap will eventually narrow, but is unlikely to close completely.

By **Steve Hallo** | November 08, 2023 at 09:48 AM



Majority of Americans say car insurance is becoming unaffordable

More than 20% of U.S. drivers bought less coverage than they desired as a way to save money in 2023.

By **Steve Hallo** | January 04, 2024 at 12:19 AM



Trending Stories

- 1 The 10 most aggressive dog breeds, according to ATTS data
- 2 Most affordable car insurance for new teen drivers
- 3 Industries with the highest workplace fatality rates
- 4 Where are people in the United States migrating?
- 5 Majority of Americans say car insurance is becoming unaffordable

glia

Double Conversions with Proactive Digital Engagement



Tesla's Many Model S and X Price Tweaks

A recap of changes to the company's high-end cars

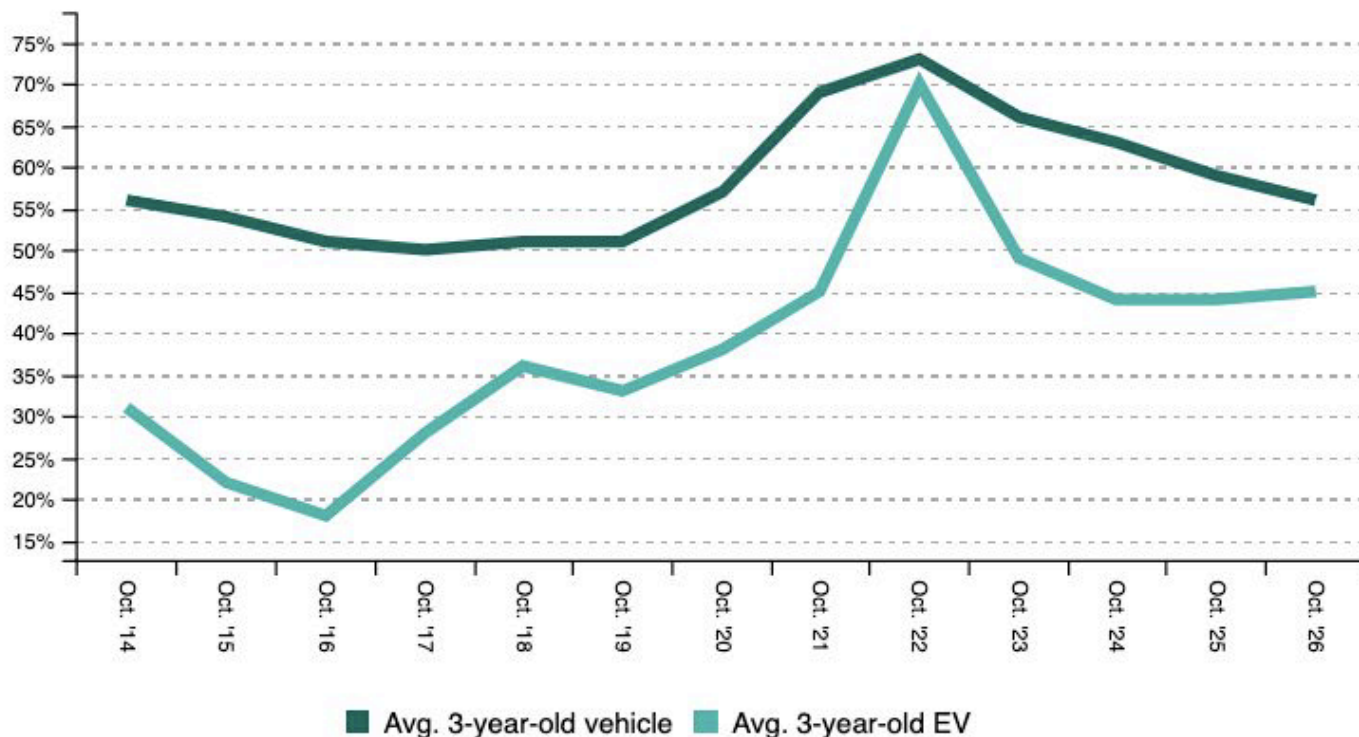
	Model S	Model X
Start of the year	\$104,990	\$120,990
Jan. 12	\$94,990	\$109,990
March 5	\$89,990	\$99,990
April 6	\$84,990	\$94,990
April 20	\$87,490	\$97,490
May 11	\$88,490	\$98,490
Aug. 14	\$78,490	\$88,490
Sept. 1	\$74,990	\$79,990

Source: Tesla's website

Used EV value retention

3-year-old electric vehicles aren't holding their value as well as the average 3-year-old model. Here is Black Book's historical retention data and predictions for the next 3 years.

Hover over or touch chart for a detailed view.





Green
Greener Living

There's Never Been a Better Time to Buy an Electric Car

As US production volumes catch up with demand, a glut of electric vehicle inventory is leading to decent discounts. But lower prices won't last long.



Hertz says Tesla fleet of rental EVs are 50 pct cheaper to maintain than fossil fuel cars

AUGUST 5, 2022 · 15 COMMENTS · 2 MINUTE READ · RIZ AKHTAR

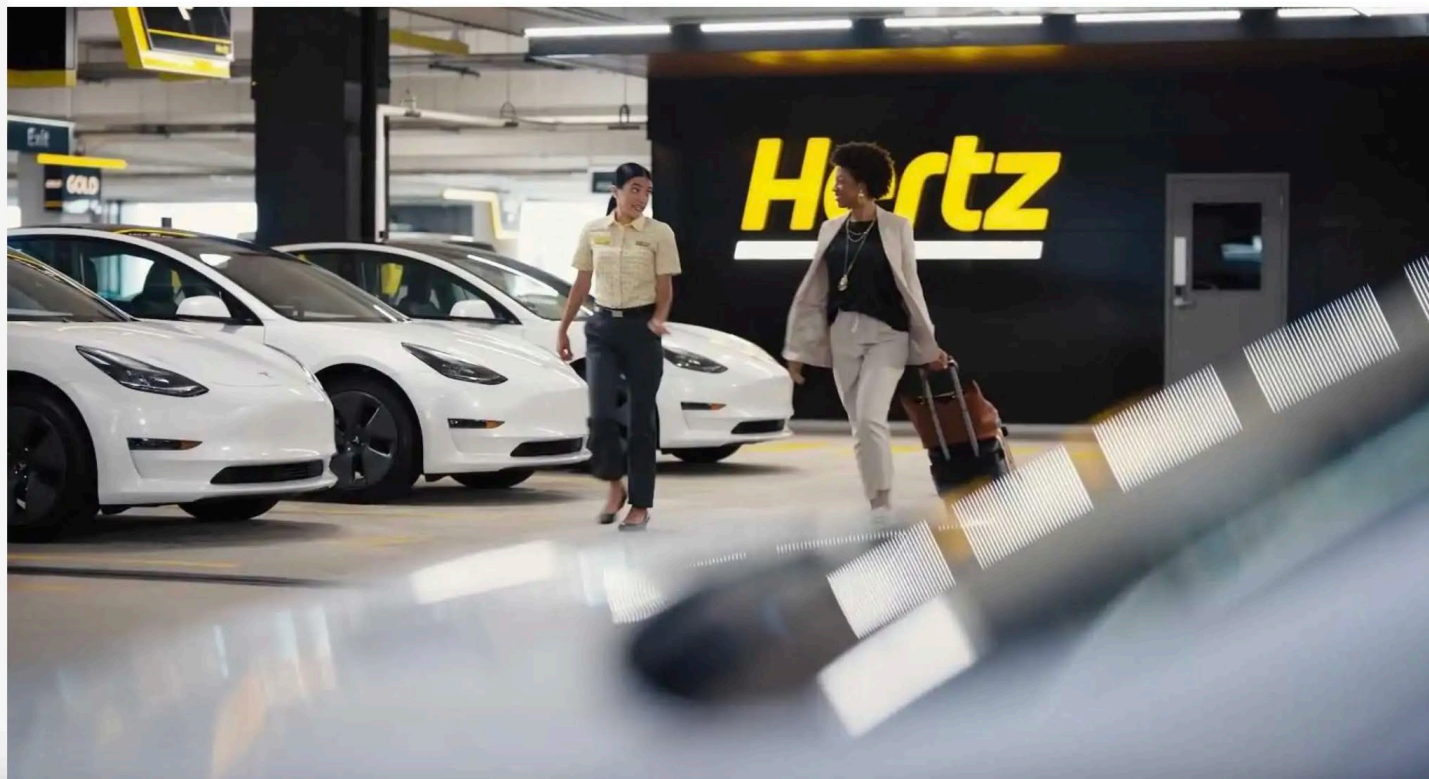




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Hertz Slows Down EV Plans As Tesla Price Cuts, Repair Costs Affect Profits

"Our in-fleeting of EVs will be slower than our prior expectations," Hertz CEO Stephen Scherr said on the company's Q3 earnings call.



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Car and Driver's 0-to-150-to-0 Speed Test 2023



This image shows the results of Car and Driver Magazine's 0-to-150-to-0 MPH Speed Test. The Porsche 911 Turbo S won the contest. But internal-combustion vehicle dominance is over: both the Tesla Model S Plaid and the Lucid Air Sapphire would have beaten the Porsche.

Toyota Chairman Akio Toyoda predicts EVs will only reach 30% share

The world's No. 1 carmaker contends its holistic approach to alternative powertrains will ultimately prove to be the right approach.

January 23, 2024 06:23 AM | UPDATED 12 HOURS AGO

Bloomberg

 TWEET

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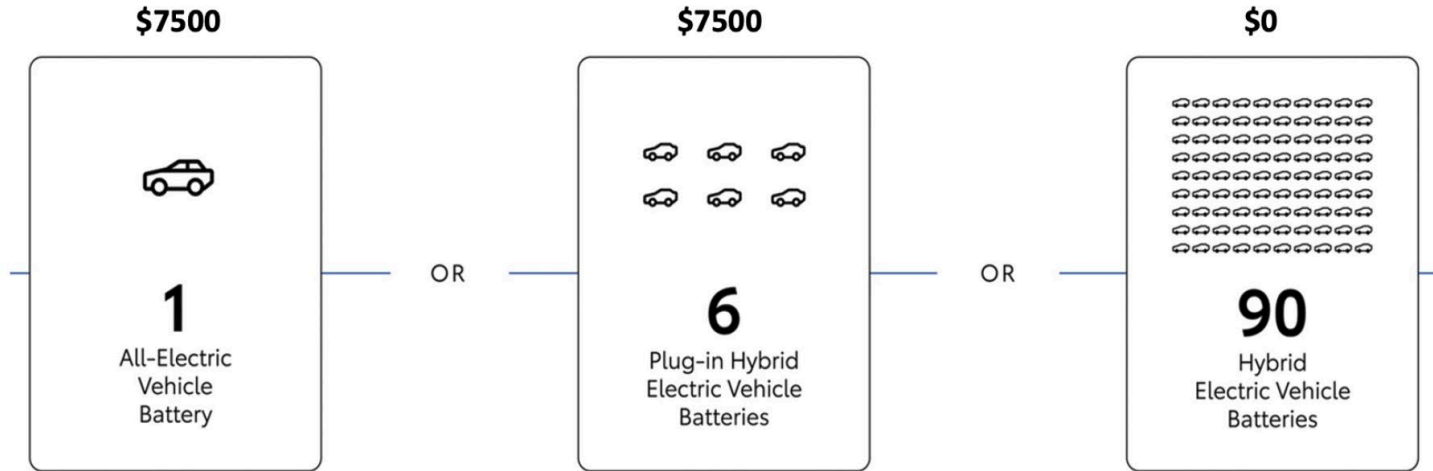
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Toyota Chairman Akio Toyoda

Maximizing the Use of Limited Resources



**37x greater
impact on the
environment**

Saru mo ki kara ochiru

猿も木から落ちる。

Even monkeys fall from trees