

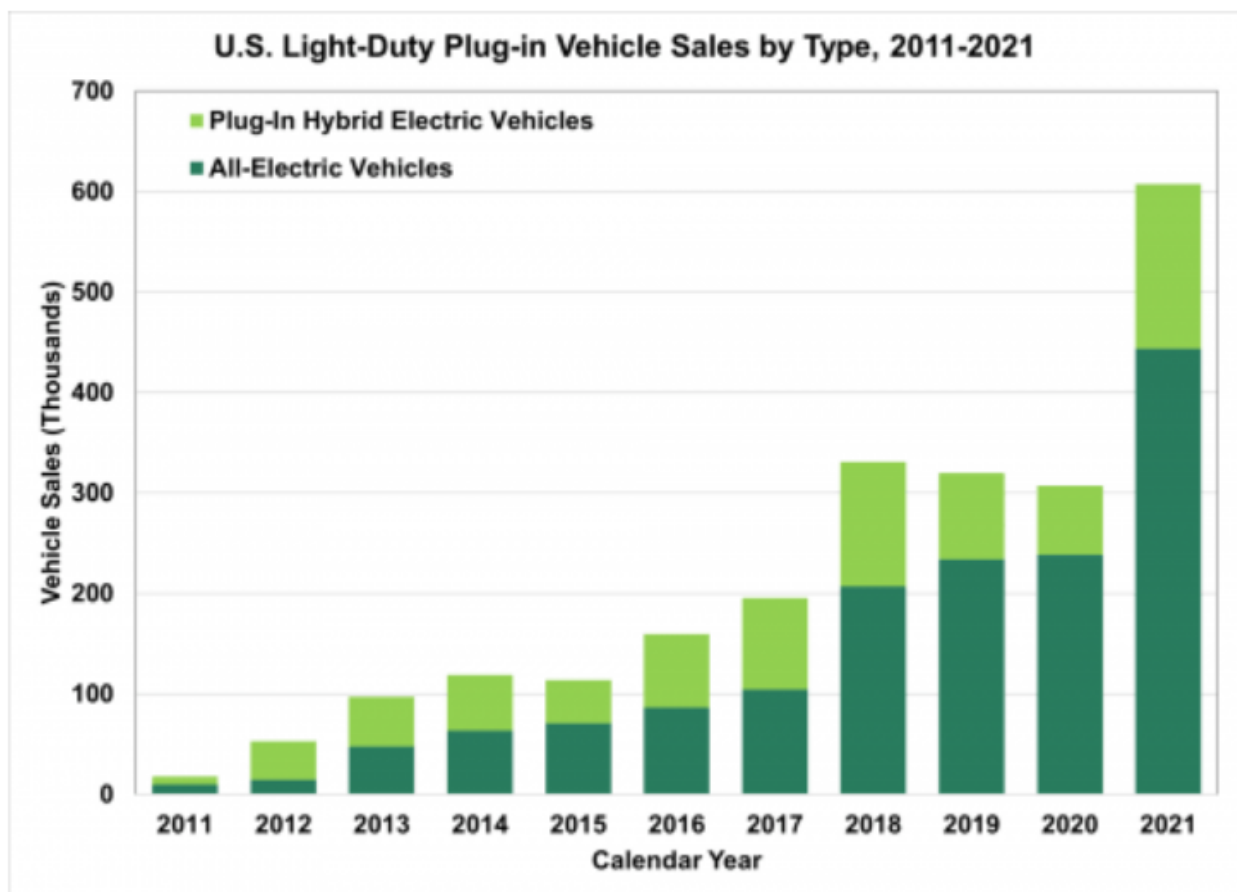
Electric Vehicles



Auto analysts project that plug-in vehicle sales will rise from 6.6 million in 2021 to 20.6 million in 2025. Plug-in vehicles are predicted to make up 23% of new passenger vehicle sales globally in 2025, up from just under 10% in 2021. Three-quarters of those will be fully electric.

What's Driving Market Growth?

- Multiple automakers have outlined plans to electrify significant segments of their fleets over the next decade, with some revealing targets to electrify their entire lineups within five years.
- Consumer demand and adoption are growing.
- Advances in battery technology have seen the average EV range more than double in the last decade, from 86 miles in 2011 to over 200 miles in 2021.



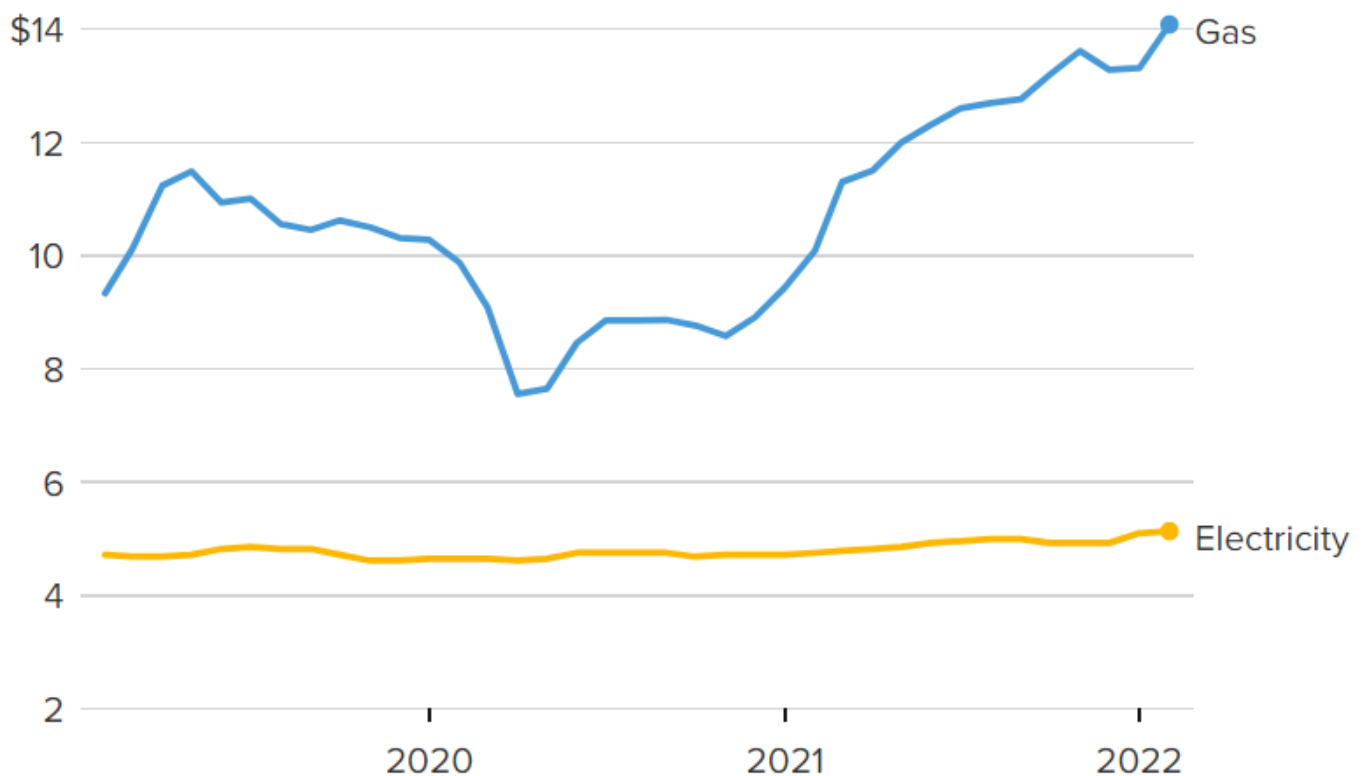
Source: Energy.gov

□ More Detail

What's the Opportunity for Consumers and Co-ops?

- Fueling vehicles with electricity presents a growth opportunity for co-ops that lowers cost for consumers.
- Co-ops may want to consider policies and programs to facilitate EV adoption while preventing stress on the distribution grid.
- The move from fossil fuels to electricity as the fuel source for vehicles will lower total emissions now and be even better in the future.

U.S. national averages



Source: U.S. Bureau of Labor Statistics for the electricity rates and U.S. Energy Information Administration for the gas prices



Source: CNBC

▫ [More Detail](#)

What is NRECA Doing?

NRECA is closely tracking the evolution of the EV industry, and is committed to informing members on various aspects of EVs such as program design, rate setting and system impact. Future work is focused on business models that co-ops could consider if they want to pursue an EV program.

In an effort to help co-ops take advantage of the unprecedented funding opportunity afforded by the bipartisan infrastructure (BIL) NRECA has established several consortia focused on specific topic areas. The [Cooperative Approach to Vehicle Electrification \(/topics/distributed-energy-resources/Pages/Cooperative-Approach-to-Vehicle-Electrification.aspx\)](/topics/distributed-energy-resources/Pages/Cooperative-Approach-to-Vehicle-Electrification.aspx) (CAVE) consortium is a network of electric cooperatives that have implemented or are planning to implement a variety of electric transportation programs.

[VIEW ELECTRIC VEHICLE RESOURCES \(/TOPICS/DISTRIBUTED-ENERGY-RESOURCES/PAGES/DEFAULT.ASPX?ROLLUPPAGE=ELECTRIC%20VEHICLES#CONTENT-AREA\)](/TOPICS/DISTRIBUTED-ENERGY-RESOURCES/PAGES/DEFAULT.ASPX?ROLLUPPAGE=ELECTRIC%20VEHICLES#CONTENT-AREA)

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