

**VERRA
MOBILITY™**

STATE OF ELECTRIC VEHICLES: 2025 REPORT ON SMART MOBILITY

Despite ominous headlines about the state of the industry, U.S. consumers are still expected to continue to invest in electric vehicles. According to Verra Mobility's second annual EV survey, nearly half (47%) of Americans aged 25 and older plan to purchase an EV in the next five years.



OVERVIEW

In 2023, [nearly 1 in 5 vehicles](#) sold globally were electric. This number was a 35% increase from 2022 and 6 times higher than in 2018. However, in 2024, some experts and the media began to paint a grim picture about the future of electric vehicles (EV). Today, the data points to steady adoption, it just might be a bit slower than originally anticipated.

Verra Mobility recently polled 2,000 Americans aged 25 and older on their plans to purchase or rent an electric vehicle as well as their perceptions on costs, maintenance, safety and charging for EVs. Out of the total respondents, only 7% said they currently own an EV and 27% have ever driven an EV.

This is the [second year in a row](#) that Verra Mobility has polled consumers about their EV preferences and concerns, and the findings indicate that Americans' perceptions have not dramatically changed.

SURVEY HIGHLIGHTS

Notable findings from the Verra Mobility consumer perception survey revealed:

- **51%** would purchase an EV today if the upfront cost was not a factor.
- **70%** would consider renting an EV to 'try before they buy'.
- **73%** would not know how to charge an EV if they rented one.
- **63%** expect maintenance costs to be higher with EVs than gas-powered vehicles.
- **42%** think their chances of needing roadside assistance are higher with an EV than gas-powered vehicles.



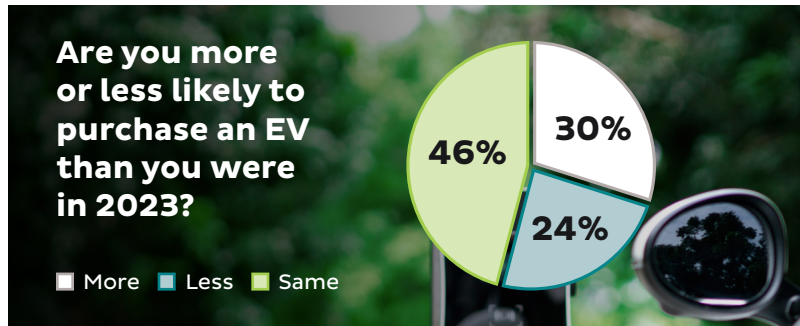
COMMENTARY

"Although there have been market indications that EV adoption rates are slowing down, our analysis indicates steady, albeit more cautious adoption and interest," said Steve Lalla, executive vice president of Commercial Services at Verra Mobility. **"Our survey results echo what we have been seeing and hearing for the last year as we work with customers representing cities, rental car companies, fleets and vehicle OEMs. The overall message we continue to hear is 'it's not if, but when' EVs will constitute a much more significant share of vehicles on the road."**

PURCHASING

According to data from [Edmunds](#), EVs made up 8.5% of vehicles sold in the U.S. in May 2024. However, Americans are continuing to purchase EVs at a steady rate, and the survey reflected that.

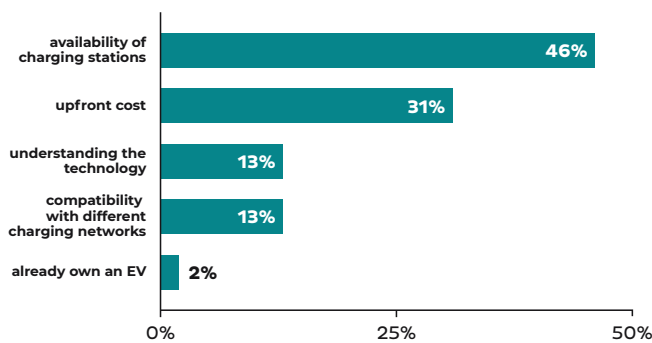
Notably, when asked in November 2024 if the results of the 2024 presidential election impacted their decision to purchase an EV in the next 4 years, 14% replied “yes.”



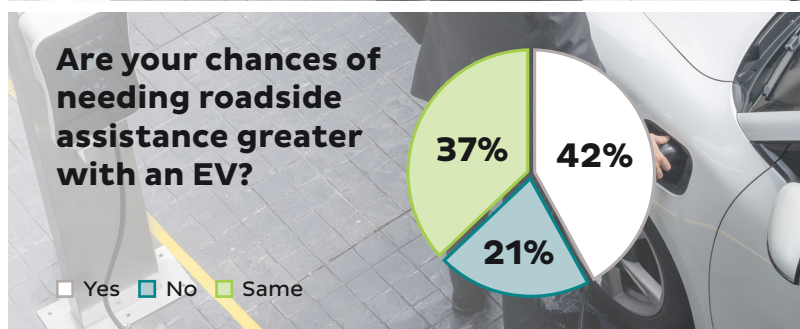
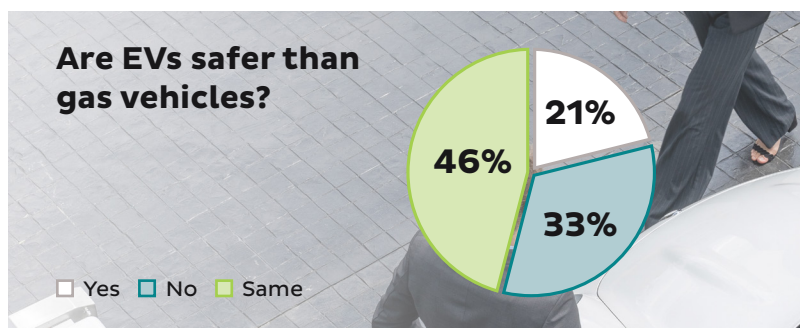
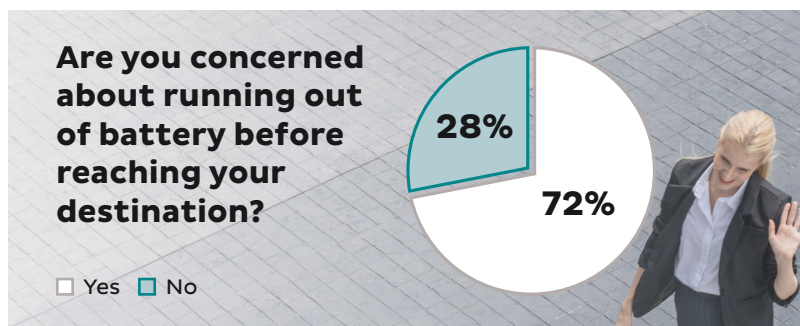
BELIEFS AND CONCERNS

There is still optimism about EVs’ impact on the environment. More than two-thirds of respondents (**69%**) believed that EVs were good for the environment.

What is your biggest concern with owning/driving an EV?



However, American drivers continue to express concerns about owning and operating an EV.

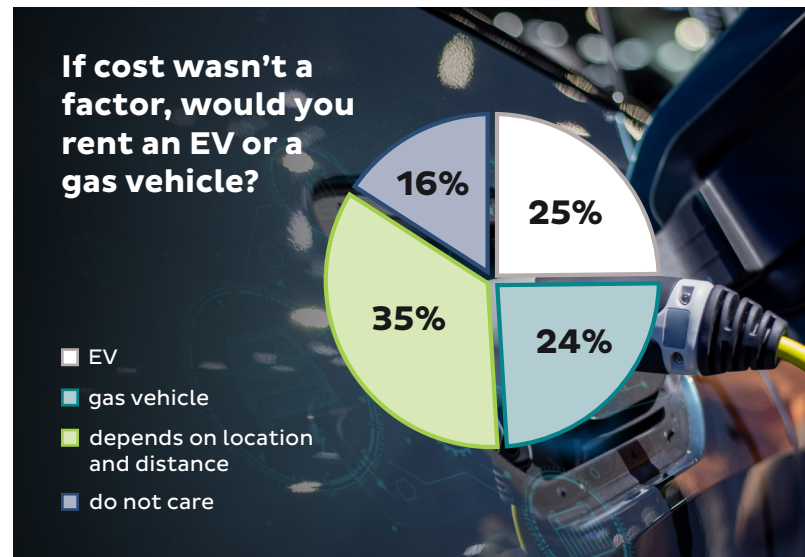


‘TRY BEFORE YOU BUY’

For drivers concerned about the perceived complexities of EVs, renting one can be a good way to ‘try before you buy.’ Of the survey respondents, only 13% had rented an EV for business or personal use.

However, when asked if they were considering purchasing an EV, **70% of survey respondents indicated they would rent one as a way to test it out.** This is down just slightly from Verra Mobility’s previous consumer survey in 2023 when **78% of Americans said they would consider renting an EV to get more familiar with the car before making a purchase.**

However, drivers do believe they need help with an EV rental. **77% would conduct their own research on how to drive and operate the car,** and **only 27% believed they would know how to charge without additional instruction.**



HOW CITIES ARE PREPARING FOR EV GROWTH

U.S. consumers’ EV purchasing plans are in line with the results from [additional industry research](#) conducted by Verra Mobility. In 2024, a survey of 100 municipal CIOs and deputy CIOs across the U.S. familiar with or working on transportation topics was conducted by Wakefield Research on behalf of Verra Mobility. The study found that:

- ▶ **48%** of municipal CIOs expected EVs to make up most personal vehicles within 10 years.

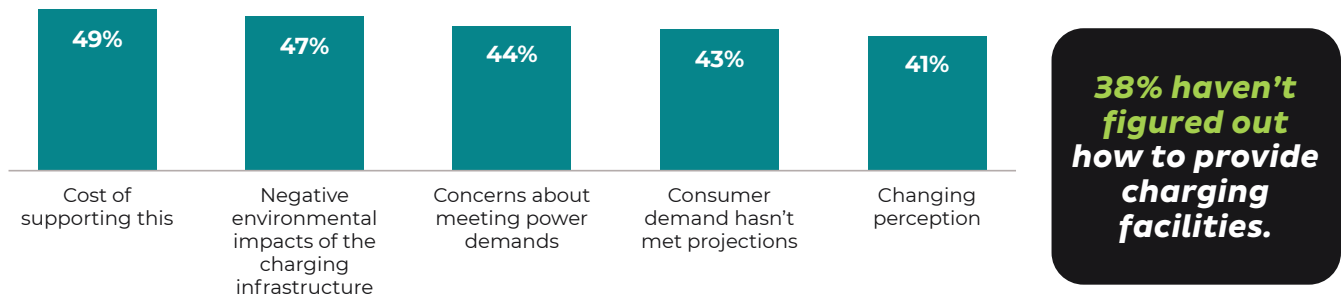
The municipal technology leaders surveyed acknowledged the normalization of the EV purchasing trends.

- **43%** said their cities have deprioritized support for EV infrastructure since consumer demand had not kept up with initial predictions.

The study found that charging stations were a particular challenge and concern for U.S. cities.

- **49%** of respondents said supporting EV charging with the existing power grid would ultimately be a challenge.

Why Municipalities Have Deprioritized EV Infrastructure Over the Past Year*



**Asked among 100 municipal CIOs and deputy CIOs who are familiar with or work on mobility or transportation efforts for their jurisdiction.*

SURVEY METHODOLOGY

The data was derived from a survey by Verra Mobility conducted online via [Pollfish](#) on November 15, 2024. The survey was completed by 2,000 Americans aged 25 and older.

All decimals in this report are rounded to the nearest percentage point, which may lead to certain numerical totals adding up to slightly more or less than 100%.

ADDITIONAL RESEARCH

Verra Mobility's 2024 Urban Mobility Technology Report based on a survey of 100 municipal CIOs and deputy CIOs can be downloaded by visiting www.verramobility.com/survey-urban-mobility-technology-2024.

The 2023 Verra Mobility EV consumer trends survey can be downloaded at <https://www.verramobility.com/ev-2023-smart-mobility-survey>.

ABOUT VERRA MOBILITY

Verra Mobility Corporation (NASDAQ: VRRM) is a leading provider of smart mobility technology solutions that make transportation safer, smarter and more connected. The company sits at the center of the mobility ecosystem, bringing together vehicles, hardware, software, data and people to enable safe, efficient solutions for customers globally. Verra Mobility's transportation safety systems and parking management solutions protect lives, improve urban and motorway mobility and support healthier communities. The company also solves complex payment, utilization and compliance challenges for fleet owners and rental car companies. Headquartered in Arizona, Verra Mobility operates in North America, Europe and Australia.

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