Number of ev charging stations in us

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From the fourth quarter of 2019 to the first quarter of 2023, the number of public and private electric vehicle (EV) charging ports nearly doubled from 87,352 to 161,562. Public charging has experienced growth in every quarter since 2019. In the first quarter of 2023, public charging ports accounted for about 88% of all charging ports. The number of charging ports is an important measure of available EV infrastructure and represents the number of EVs that can charge simultaneously at charging stations across the country. Unlike gasoline vehicles that can only be refueled at filling stations, many EVs are charged at home, but public charging is still important to support long-distance travel and for those without access to home charging.

Source: National Renewable Energy Laboratory, Electric Vehicle Charging Infrastructure Trends from the Alternative Fueling Station Locator: Fourth Quarter 2022, NREL/TP-5400-85801, May 2023 and preliminary quarter 1 data from NREL, 2023.

With the global focus on expanding the electric vehicle (EV) market and the impending ban on diesel and gasoline vehicle sales in the U.S. by 2035, the prospect of owning an electric vehicle is becoming a reality for many drivers. However, as the U.S. is a vast country with each state operating under its own rules and regulations, the readiness for widespread EV adoption varies significantly. To assess the current state of EV infrastructure, we present the updated 2024 U.S. Electric Vehicle Charging Station Report, offering a comprehensive state-by-state breakdown.

In this report, we explore key questions: How does the rapid growth in EV adoption compare to the

development of charging infrastructure? By analyzing the latest data, we aim to provide insights into the feasibility of building a robust EV charging network while evaluating the current EV adoption rates compared to conventional vehicles. Additionally, we examine the major changes since the previous edition, shedding light on the evolving landscape of EVs and charging stations across the U.S.

When you"re considering switching to an electric vehicle you need to consider the competition for charging points. It"s all well and good to go green and try and cut your emissions, but if you can"t charge your vehicle, you aren"t going to get very far. Here are the states with the most chargers per 100 electric vehicles.

Charging stations per 100 EVs: 22.1

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