



Missouri Economy Indicators

Electric Vehicle Investments and Energy Jobs

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Battery electric vehicles (EVs), which run strictly on electricity, make up 6.7% of light-duty vehicles sold in the U.S. Together with hybrid and plug-in hybrid vehicles, which utilize a combination of internal combustion and rechargeable batteries, EVs account for [16%](#) of light-duty vehicles on U.S. roadways.

California leads the nation in EV adoption with over 23% of the nation’s total fleet. Florida is a distant second at 4.3%. With nearly 18,000 registered EVs, Missouri ranks 25th with just under half of one percent of the nation’s total EVs.

In 2022, Missouri had 1,031 EV charging stations and a total of 2,212 outlets. Within Missouri, Jackson (424) and Platte (128) counties contain the most EV charging stations. St. Louis City (76) and County (68), along with Clay County (65), round out the top five. Fifty-five of Missouri’s 115 counties contain no EV infrastructure.

Developing a robust EV charging infrastructure is crucial to maintaining economic competitiveness as the nation upgrades its infrastructure to include more transportation alternatives.

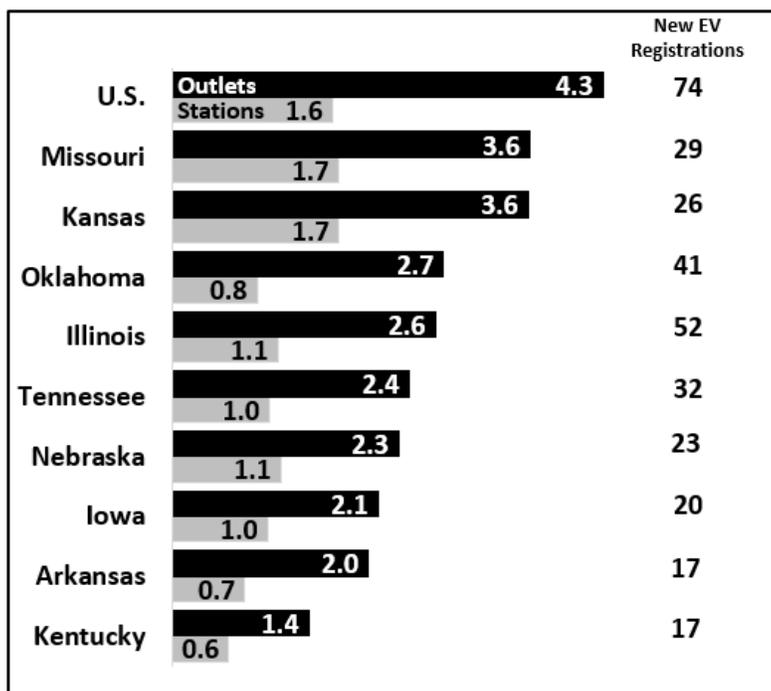
Missouri Leads the Midwest in Electric Vehicle Infrastructure

Among its border states, Missouri – and Kansas – leads the region in the deployment of EV charging infrastructure per capita. Both states contain more charging stations per 10,000 residents (1.7) than the national average (1.6). They also have the region’s highest share of charging outlets per 10,000 residents (3.6), although both trail the national average (4.3).

However, the region’s slower adoption of EV charging infrastructure is reflected in the number of EVs on the road. Despite having fewer charging stations per capita, Illinois led the region in EV adoption with 52 registrations per 10,000 residents in 2022, followed by Oklahoma (41) and Tennessee (32). Missouri was well below the national average (74) with 29 registrations per 10,000 residents.

EV Charging Infrastructure and Registrations

(Per 10,000 Residents)



Source: MU Extension graphic using 2022 electric vehicle charging station and new registration data from the U.S. Dept. of Energy. Population data from the 2022 U.S. Census Current Population Estimates.

Along with this growing infrastructure development, jobs in the energy sector have increased. According to a U.S. Department of Energy [study](#), Missouri had 157,296 energy workers in 2022, a 3.6% increase from the previous year. Of these energy jobs, 47.8% support the motor vehicle sector; 25.1% support the energy efficiency sector; 15.7% support transmission, distribution and storage of electricity, natural gas and oil; 6.6% support electric power generation; and the remaining 4.7% of jobs focus on fuels, which can include ethanol and woody biomass production.

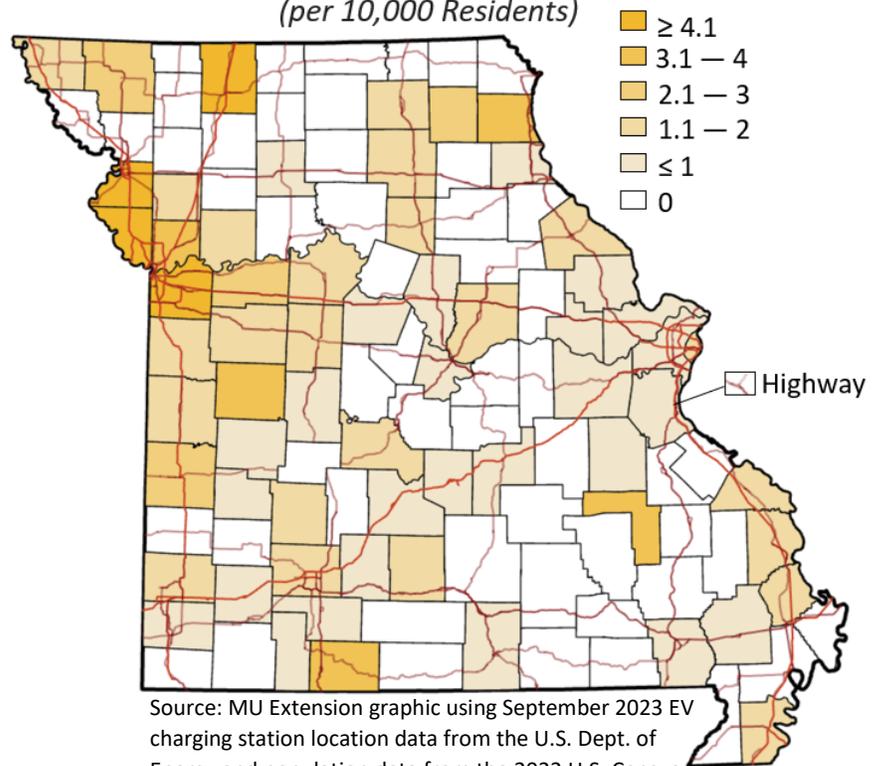
The energy sector represented 5.5% of total state employment in 2022. As indicated in the table to the right, surveyed Missouri employers were optimistic about energy sector job growth in the coming year. While 51% of Missouri energy employers reported hiring last year, 88% reported difficulty in filling open positions. The rapid growth of this sector will demand a large skilled workforce to continue to meet current and future energy needs.

Additional Resources

- The [Missouri Energy Initiative](#) provides information on emerging energy issues in Missouri and the Midwest. The next event in their [Midwest Energy Policy Series](#) is taking place in St. Louis on December 7th focused on energy and economic development.
- The [Alternative Fuels Data Center](#), a resource from the U.S. Department of Energy, provides information, data and tools on alternative and renewable fuels, advanced vehicles and fuel-saving measures, including the locations of alternative fueling locations and fuel corridors.

Electric Vehicle Charging Stations

(per 10,000 Residents)



Source: MU Extension graphic using September 2023 EV charging station location data from the U.S. Dept. of Energy and population data from the 2022 U.S. Census Current Population Estimates.

Expected Energy Sector Job Growth in Next 12 Months

Technology	Missouri	U.S.
Electric Power Generation	5.5%	6.0%
Electric Power Transmission, Distribution and Storage	4.4%	3.9%
Energy Efficiency	5.7%	6.4%
Fuels	3.3%	1.6%
Motor Vehicles	5.2%	5.5%

Source: MU Extension graphic using data from the United States Energy & Employment Report – Energy Employment by State: 2023

All Missouri Economy Indicators briefs in this series are available at <http://muext.us/MissouriEconomyIndicators>

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