

EV Charging Stations in Missouri

A PSC Staff Report summarizing input on ways to facilitate installation of Electric Vehicle Charging Stations in Missouri

In February 2019, the Commission determined there was a need for a stakeholder process to evaluate potential models for facilitating installation of electric vehicle charging stations (EVCS) in Missouri. The Commission opened a working case (File No. EW-2019-0229) and directed its Staff to hold a workshop and file a report summarizing findings and recommendations of the working group. The Commission directed the working group to provide an evaluation of three models, any additional models, or a combination of models as follows:

- A model similar to the one stipulated to by the parties and approved by the Commission in Kansas City Power & Light Company's last rate case, Case No. ER-2018-0145, in which the company can own and operate charging stations.
- A "Make Ready" tariff proposal that includes an option to waive line extension charges from a customer seeking a line extension for separately metered EV charging that meets specific public policy considerations.
- An alternate incentive program where program parameters, implementation, and cost recovery would be evaluated and defined in the context of a future rate proceeding.

On September 30, 2019, Staff filed its Report summarizing the working group comments and providing information on EVCS programs in other states. Although there was not consensus for findings and joint recommendations, there were several common themes for Commission consideration.

- Any action by the Commission should allow for flexibility.
- Any action should be technology neutral to the greatest extent possible.
- Robust data collection, and the eventual use of that data, are key to successful deployment.
- Enhanced customer education is a must.
- Approval of pilot programs may be the best path forward for Commission involvement.

Missouri ranks **26th** for number of electric vehicles on the road, with 4,450.²

The state ranks **17th** among the 50 states and Washington DC for number of charging stations, with 372.²

Missouri has about **12** electric vehicles for every charging station in the state, putting it among the states with the fewest vehicles per station.¹

In 2017, Missouri saw **1,150** in EV sales, an increase of more than **32 percent** compared to 2016 sales.³

To view Staff's Report, enter EW-2019-0229 in the "Case No." box at <https://www.efis.psc.mo.gov/mpsc/DocketSheet.html>.

In its Report, Staff noted that the current number of EVCS publicly available in Missouri is difficult to determine since there is not a single source to obtain the count of electric vehicles (EVs) or public charging stations. However, various sources provide interesting data.

¹ <http://www.missouribusinessalert.com/industries/96929/2018/07/20/chart-electric-vehicles-and-charging-stations-in-missouri/> ² Missouri Business Alert calculated the number of EVs by combining electric vehicle registrations as of the end of 2016 with electric vehicle sales for all of 2017. ³ <https://autoalliance.org/energy-environment/advanced-technology-vehicle-sales-dashboard/>