

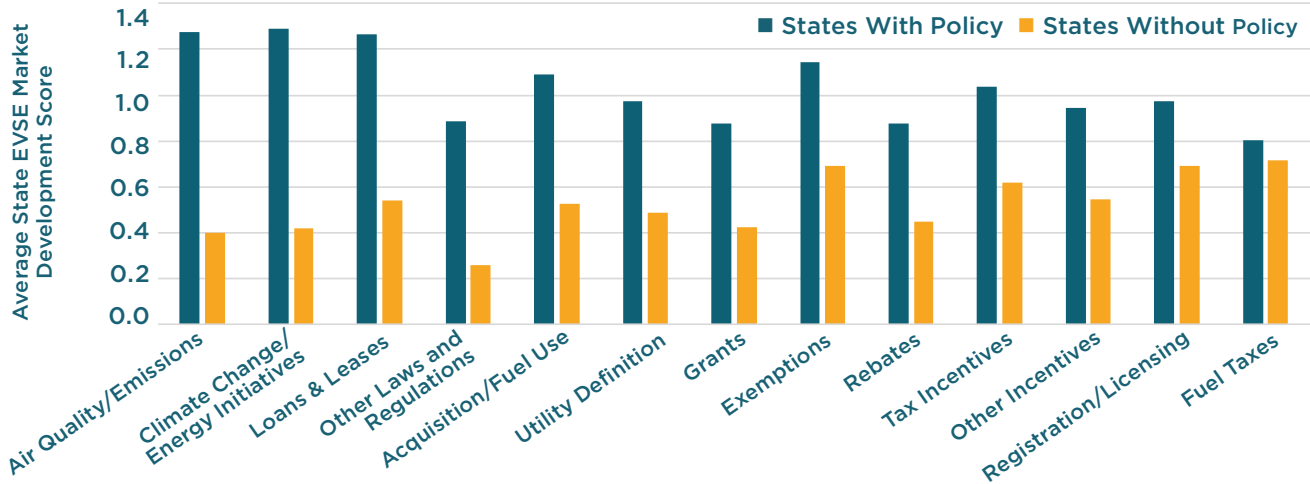


Summary

The availability of electric vehicle supply equipment (EVSE) is a primary concern for developing an EV market in the U.S. As federal, state, and local officials introduce new policies, programs, and incentives to support infrastructure development, our study found a number of approaches to be effective. For more details about these results, please reference the full report.

Incentives, Laws and Programs Drive Development of an EV Charging Market

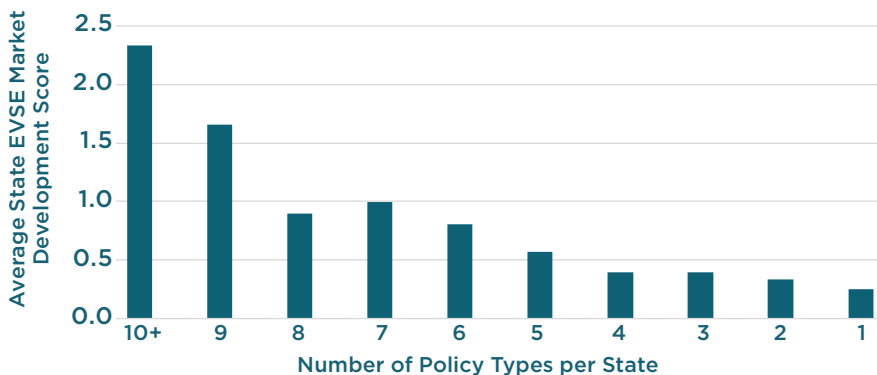
Average State EVSE Market Development Scores by Policy Type Presence



Several policy types positively impact EV charging market development, each in their own way. States with these policies have more developed markets than states without them. EVSE Market Development Score is a weighted average of charging stations deployed per capita (75% weight) and EV sales per capita (25% weight). While this figure shows scores in ones and tenths, original scores were in thousandths and ten-thousandths; scores were multiplied by a factor of 1,000 to improve readability of this figure.

States With a Broader Range of Policies have More Developed EV Charging Markets

Average State EVSE Market Development Scores by Number of Policy Types Adopted



EVSE Market Development Score is a weighted average of charging stations deployed per capita (75% weight) and EV sales per capita (25% weight). While this figure shows scores in ones and tenths, original scores were in thousandths and ten-thousandths; scores were multiplied by a factor of 1,000 to improve readability of this figure.

Best Practices

Interviewed experts agree that states can increase charger deployments using these strategies: set clear goals, establish simple and flexible funding programs, and align state and local policies and efforts.



Set Clear and Actionable Goals such as statewide targets for charger deployments.



Establish Funding Programs such as rebate and grant programs.



Align EV Charging Infrastructure Policies by collaborating with regional collaboratives.

About This Study

This study evaluated the effectiveness of various policy approaches in contributing to EV charger deployments and broader EV charging market development. The study combined statistical analysis and stakeholder interviews to evaluate the effect of major EV charger policies on the deployment of EV charging stations.