

As more Americans switch to electric vehicles (EVs) and hundreds of billions of dollars are distributed through the Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA), state agencies will play a critical role in the successful transition to electric transportation. This guide details high-level actions that state planning agencies or similarly focused organizations must take to prepare for the shift to EVs.

**State planning agencies** provide resources and support to various entities regarding land use development. Depending on the state, the planning office can be a stand-alone or housed within another entity. The state planning office is also responsible for managing the state's budget and where and how funding is prioritized and dispersed.



## Minimum Actions to Take Now

- Oversee and coordinate statewide transportation electrification efforts; partner with additional agencies to create a statewide roadmap if not established under other agencies.
- Create **policies and establish best practices** for enabling timely EV charging station installation with zoning and permitting.
- Ensure state and local transportation planners adopt the most recent version of the Manual on Uniform Traffic Control Devices (MUTCD), which includes EV signage and parking color specifications, among other standards for EVs (if not already adopted by the parking authority).\*

## Recommendations for Accelerated Adoption

- Partner with the department of motor vehicles, state energy departments, state transportation departments, and utilities to create tools and forecasts that show the pace of EV adoption; share with local governments, cities, and public utility commissions to prepare and enable adequate build-out of public EV charging stations.

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\* The 11th edition of the MUTCD is due out in 2023. Check [here](#) for the latest updates.

## Case Study: Utah Governor's Office of Planning and Budget

Responsible for serving one of the fastest-growing states in the nation, the **Utah Governor's Office of Planning and Budget** understands the need to prepare the whole state for the transition to EVs, with a special focus on rural communities. To ensure this whole-of-state approach, the Office is taking the following actions:

- **Convene a transportation electrification committee:** Thanks to a directive in **SB 125**, Utah created an official electrification steering committee. One of the committee's main goals is to coordinate and prioritize statewide electrification efforts. Having a committee, which can be tasked with reaching out to utilities, state agencies, universities, and private companies, allows the planning office and the state to move the needle forward on their widespread electrification goals.
- **Incentivize private investment:** Following state investment in EV charging infrastructure approved by the legislature, the planning office hopes to incentivize private partners to invest in its Charging and Fueling Infrastructure Grant Program projects. The state will build on past successful partnerships with Rocky Mountain Power, which was approved to invest \$50 million in DC fast-charging infrastructure in 2020.
- **Address future-proofing needs:** One of the biggest challenges the office is addressing is future-proofing. Because the state has been installing EV charging stations for years, Utah is starting to see the direct effects of not having previously future-proofed. EV charging stations installed at eight sites two years ago are at less than half the power output of what NEVI stations will be. Thus, it is important to have a future-proof plan when installing EV charging stations at this stage in the market.
- **Next steps:** The Governor's Office of Planning and Budget's next step is to work with utilities to ensure grid readiness for large metropolitan areas in Utah. Because over 80% of Utah's population is in the Salt Lake City metropolitan area, it is necessary to ensure adequate capacity on distribution lines and access to EV charging stations throughout the rest of Utah—especially the more rural and remote areas.

## About the Electrification Coalition

The Electrification Coalition is a nonpartisan, nonprofit organization that advances policies and actions to facilitate widespread deployment and adoption of electric vehicles in order to reduce the economic, public health and national security risks caused by America's dependence on oil. For more information, visit [electrificationcoalition.org](https://www.electrificationcoalition.org).