

EV-Ready Building Codes

EV-ready building codes are critical for expanding access to charging, reducing future costs to charging installations, and accelerating the transition to EVs, especially for residents in multi-family housing. EV-ready building codes set forth requirements for construction of new and retrofitted buildings to include electrical infrastructure to support the future installation of EV charging stations, including minimum requirements that parking spaces be EV-capable, EV-ready, or EVSE-installed.

Policy Applicability

☒ Passenger Cars ☒ Medium- and Heavy Duty

What jurisdictions have enacted EV-ready residential or commercial building codes?

A number of states have enacted EV-ready building codes for residential or commercial buildings, such as CA, CO, DE, DC, IL, MA, MD, NJ, NM, NY, OR, RI, VT, and WA, that vary in scope and applicability.

Example policies to consider

New Jersey's [Model Statewide Municipal EV Ordinance](#), established by [S 3223](#), sets forth initial and progressive requirements for EV-ready and EVSE-installed parking spaces in new multi-family buildings with 5+ units.

Colorado's [Model Electric Ready and Solar Ready Code](#), established by [HB 22-1362](#), requires municipalities and counties to adopt and enforce the 2021 International Energy Conservation Code *and* the model electric ready and solar ready code during adoption code cycles between July 1, 2023 and June 30, 2026.

California's [CALGreen](#) code includes requirements for new residential and nonresidential buildings and buildings that undergo qualifying alterations. The nonresidential charging requirements allow building developers to install DC fast chargers or a combination of different charging levels to meet various charging needs at a single location.

Other resources

The Southwest Energy Efficiency Partnership (SWEET) [guide to EV infrastructure building codes](#) provides model code language for establishing EV-ready code requirements and resources on the potential cost savings of implementing EV-ready building codes.