

Eliminating fossil fuel-powered vehicles from the road is necessary to fight climate change and save thousands of lives at risk due to poor air quality. As governments and the auto industry advance the switch to electric vehicles, this rapid technology transition may disrupt traditional mobility patterns—and, without equitable planning and policy, it has the potential for negative impacts to mobility and affordability in underserved and lower-income communities.

With federal leadership on an equitable, efficient EV transition likely on the decline, [local governments will take an even more crucial role](#) in ensuring that all residents share in the benefits of the EV transition. Today, CLEE is releasing two resources to assist local governments and community stakeholders in securing these benefits—financial, environmental, and public health—over the coming decade:

Equitable EV Action Plan Framework

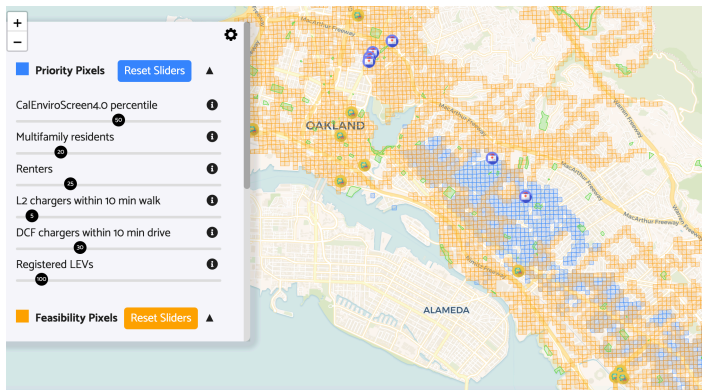
The [Equitable EV Action Plan Framework](#) is a comprehensive guide for local leaders seeking to craft an equity-focused plan for their jurisdiction's EV transition, and for stakeholders who want to push those leaders to act. Reflecting input from research and stakeholder engagement that spanned diverse geographies, it includes hundreds of examples of leading EV plans and programs from across the country—charging pilots and permitting strategies, community engagement and oversight mechanisms, agency coordination structures and more—and detailed resources for how to kick off the planning process. The Framework includes materials designed for both [local governments](#) and [stakeholders](#) to get started building a coalition and crafting a plan.

The Framework was crafted in partnership with The Greenlining Institute and Forth Mobility's [Towards Equitable Electric Mobility](#) (TEEM) multi-state collaborative of mobility equity advocates and experts. CLEE research fellows Kasia Dahlbeck, Katherine Hoff, and Malcolm Johnson co-authored the Framework with me.

EV Equity Roadmap tool

The [EV Equity Roadmap tool](#) is a free, open-access mapping platform to inform equity-oriented site selection for EV and e-mobility infrastructure investments. The

tool enables local agencies, stakeholders, and developers to engage in discussions about high-priority sites for investment in policy, planning, and grant-seeking processes. It uses a novel approach to integrate locally-relevant infrastructure and equity geospatial data layers to identify sites that are both high-priority (per environmental justice indexes, existing charging access, and renter/multifamily resident density) and high-feasibility (per funding availability and electric grid capacity). The tool is currently available in a beta version for over 20 California counties with more being added on a regular basis alongside performance improvements.



Sample screenshot of EV Equity Roadmap tool

The tool is a collaboration with UC Berkeley's [Energy and Resources Group](#) and [Renewable and Appropriate Energy Laboratory](#), both under leadership of Professor Dan Kammen. UC Berkeley graduate students Ari Ball-Burack, Meagan Leberth, Brad Rhymer, and Ankita Shanbhag designed and developed it.

What's next

These resources are part of CLEE's [EV Equity Initiative](#). In 2025 we will work with project partners to facilitate action plan development at the city and county level and expand the map tool to states beyond California.

Challenges abound in this transition: lack of agency staff capacity to develop plans and win grants; complex permitting for public infrastructure and outdated building electrical systems for residential infrastructure; limited grid capacity and scarcity of data to examine it; communities already experiencing disinvestment who have

been ignored or harmed by past transportation initiatives, to name a few. But with the right tools and examples from their peers, local governments and residents can work together to use the EV transition to build better mobility systems.