

EV Charging Infrastructure Master Plan

A practical, implementation-ready roadmap to expand EV charging access across Lassen County, from rural highway corridors to local communities. | An effort sponsored by the Lassen County Transportation Commission

— THE NEED

Lassen County is one of California's largest and most sparsely populated counties, with communities spread across vast distances, harsh winters, and limited public charging today. As EV adoption grows and visitors travel key corridors like U.S. 395 and State Routes 36, 44, and 139, reliable charging will become increasingly important for residents who travel long distances, local businesses and employers, public and commercial fleets, emergency and community services, and the County's tourism economy. **This Master Plan will give Lassen County a clear path forward: identifying the right locations, the right charger types, potential implementation partners, and realistic strategies to fund and move priority projects toward implementation.**

— OUR APPROACH



Assess Existing Conditions

Map current EV adoption, chargers, policies, demographics, and travel patterns countywide.



Assess Electrical Feasibility

Coordinate with LMUD and other utilities to identify capacity, infrastructure, and potential upgrade needs at priority sites.



Engage the Community

Gather input through an advisory committee, interviews, surveys, and workshops.



Plan the Investment

Develop cost estimates, revenue potential, and funding/grant strategies.



Identify Priority Sites

Use GIS-based screening and scoring, refined with on-the-ground site visits.



Deliver an Actionable Plan

Translate analysis into prioritized sites, charger types, and a phased path to construction.

— STAKEHOLDER OUTREACH AND ENGAGEMENT



Advisory Committee

A representative group meets three times to guide the plan's direction.



Community Survey

A bilingual online survey gathers input on preferred locations and needs.



Public Workshops

Two virtual/hybrid workshops share findings and gather feedback.

— KEY DELIVERABLES



Interactive GIS map of proposed charging sites



Cost estimates and funding sources



Prioritized site list with site-level fact sheets



Draft & Final EV Charging Infrastructure Master Plan



Grid capacity & infrastructure findings



Presentation to the Lassen County Transportation Commission Board



ESTIMATED TIMELINE

Summer 2026	Fall 2026	Winter 2027	Spring/Summer 2027	Summer/Fall 2027
Stakeholder & Public Engagement Launch	Existing Conditions & Siting Analysis	Siting & Infrastructure Analysis	Economic Analysis & Draft Plan	Final Plan & Board Approval

WE WANT TO HEAR FROM YOU — Help identify important travel routes, destinations, charging needs, potential sites, and implementation partners across Lassen County.

Questions or feedback? **Fang Yan, ICF Project Manager** | Fang.Yan@icf.com