

ELECTRIC VEHICLE ENGINEERING AND CONSULTING

OUR SOLUTIONS

EN Consulting is a leader in electric power system consulting and engineering. Our dedicated team is recognized as industry leaders with unparalleled expertise, real-world experience, and depth of knowledge in electric generation, transmission, distribution, transportation, battery storage, and renewable energy. We have extensive experience with relevant emerging technologies such as electric vehicles, CHP, and battery storage. EN Consulting has experience from coast to coast with providing the services needed to support these projects from inception to commissioning.



In addition to project conception, EN Consulting is a trusted partner for support functions associated with plan implementation, engineering, detailed design, project and construction management/oversight, and commissioning services. We are a dedicated partner from start to finish.

ELECTRIC VEHICLE FORECASTING, MODELING, AND PLANNING:

- Bottom up approach using GIS location/feeder granularity
- Component forecasts applied as overlays to base load models to support planning decisions
- Technical studies for feasibility and analyses of expected performance
- Impact studies which can be site-specific up to system-wide using multi-scenario evaluations to determine necessary system reinforcements on the grid to prepare for EV charging
- On-premise and SaaS deployment options
- Ability to support other emerging trends and technologies such as PV and other electrification efforts (heat pumps, water heating, appliances, etc.)

CONCEPTION AND DEVELOPMENT:

- Project scope development and refinement
- Conceptual design development
- Stakeholder identification and strategies
- Comprehensive economic evaluations
- Regulatory process preparation, testimony, and support
- Site investigations and evaluations
- Technical and commercial contract development and negotiation



ELECTRIC VEHICLE ENGINEERING AND DESIGN:

- Preliminary engineering and technical reviews
- Design expertise for both main-to-meter and meter-to-charger
- Technical evaluations such as voltage drop and flicker calculations
- Adhere to utility integration processes for new load/new business connections
- Deliverables include on-line drawings and calculations needed by the utility in order to properly interconnect
- DOT, state, local, and environmental permitting

