



UTILITY INFRASTRUCTURE SUPPORT

SCE's Utility Infrastructure Support for Commercial Electric Vehicle Charging Projects.

Southern California Edison (SCE) provides utility infrastructure support for the installation of electric vehicle (EV) charging. SCE's Rule 15 and 16 and Rule 29 (pending) provide information on the level of support that SCE can provide and various customer requirements. Information on SCE's Rules are available at sce.com/tariff books under the Rules section.

Applicant Checklist

Customers/applicants will need the following:

- **Customer Project Information Sheet** – Must be filled out based on new project request parameters (details below)
- **Design Option Letter** (details below)
- **PDF exhibit of the site development plans**
- **CAD file of the site development plans** (details below)
- **Single Line Diagram and Load Calculations for requested service**

Customer Project information Sheet

Customers/applicants should be prepared to provide information on the: location and scope of the project, customer of record, the number of ports, EV load, use of load-management, EV panel size and voltage, and requested energize date, among other questions.

Design Option Letter

Customer/applicants are asked to choose between 2 options: (1) SCE Design and (2) Competitive Bidding for Applicant Design. Under SCE Design, SCE's design costs are included in the total project cost to serve and are subject to refund / allowance. Under the Competitive Bidding option, the applicant shall receive a bid amount from SCE and secure competitive bids from Qualified Designers for the design of the distribution and/or service extension. The SCE bid amount provided will be used as the job-specific cost estimate for design services. Either SCE or a Qualified Designer can design the distribution line and/or service extension.

SCE's CAD File Requirements

SCE has established a set of requirements for digital file submission. It is the customer's responsibility to submit files that comply with the requirements and to ensure that the files provided contain the most accurate and current information available. SCE requires all related files for a single project to be submitted as one comprehensive file. All projects must be saved in AutoCad 2009 or earlier. Please reach out to your SCE representative for a list of SCE's CAD file requirements, as submitted files that do not meet the listed requirements or that contain cross-referenced drawings are subject to rejection.



Customers within SCE's service area that need electric utility support for an EV charging infrastructure project, and who are not participating in one of the utility's Transportation Electrification programs, should reach out to either their Account Manager and/or SCE's Service Planning department as project scope is being determined to discuss plans to initiate an SCE design to support the project.

The respective SCE forms are available online at: <https://www.sce.com/partners/consulting-services/localplanning>

Application for Interconnection

Please visit the Rule 21 Interconnection Homepage for more information regarding the application for interconnection and the Rule 21 process at: <https://www.sce.com/business/generating-your-own-power/Grid-Interconnections/Interconnecting-Generation-under-Rule-21>

Rule 21 Interconnection Process

In addition to items listed in the preceding sections, projects with an EV charging component and any of the following characteristics would be required to enter the interconnection process:

- The energy from the EV storage is discharged to serve a local load (DC load or AC load)
- The EV charger that is a bi-directional device (converter/inverter)
- The EV charger is a V2G capable device programmed as V1G on initial installation and then reprogrammed for V2G bi-directional applications.

Questions? Let's talk.

For more details, email us at InterconnectionQA@sce.com

