

TRANSPORTATION ELECTRIFICATION

Planning charging infrastructure deployment for electric vehicles.

California's goals to reduce greenhouse gas (GHG) emissions are some of the most ambitious in the world. Southern California Edison (SCE) and other utilities operating in the state are playing a proactive part in this significant reduction effort by supporting cleaner generation of electricity through increased use of renewable energy and encouraging greater adoption of Transportation Electrification (TE).

This fact sheet provides key considerations to help you plan for the deployment of charging equipment for your fleet of electric vehicles (EVs) or for your employees, customers, residents, and visitors.



The road to fueling from the grid.

Deploying charging infrastructure involves several discrete steps and will require the support of a number of participants. You will need to work closely with us, charging station vendors, and contractors to deploy the infrastructure.

1. **Determine your charging needs:** Identify the number of charge ports and the charging level (i.e., power or charge time) you need. Consider planning your electric infrastructure to accommodate more charging stations in the future (to realize economies of scale and minimize inconvenience from construction). Determine whether you will require energy management capabilities to help manage energy costs.

Our simple **Charge Port Estimator** for workplace and multi-unit dwellings can help you in this effort. Refer to our Vehicle Grid Interaction fact sheet for load management options that may influence your deployment.

2. **Contact us:** Call your SCE Account Manager or **1-800-990-7788** about your intention to deploy charging equipment. We will evaluate your current utility infrastructure upon request. With several **rate plans designed for EV charging**, we can help you select the best plan to meet your needs. If you choose an EV charging rate plan, you will need to meter the new load separately.

For More Information
[sce.com/TE](https://www.sce.com/TE)

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- Evaluate your site's infrastructure:** We recommend that you review local permitting and inspection requirements before ordering charging equipment (these requirements may influence the number and location of your deployment). Also, ensure your current panel has sufficient capacity to serve the new load.
- Procure charging equipment and services:** You may want to evaluate several charging equipment models. Consider that multiple charge port stations may be more cost-effective both in terms of hardware and installation costs. Also, evaluate services for data management, payment, load management, maintenance and repair¹.
- Prepare design:** After gathering all requirements, you may order the design for your deployment from your contractor and from SCE (for any grid upgrades, if applicable). In both cases, the design you approve will influence your construction costs (SCE infrastructure upgrades are typically at the customer's expense, but may qualify for an allowance).
- Apply for permits:** We recommend you apply for all necessary permits before starting any construction and electrical work at your site. After you approved the design and cost estimates for your deployment, your contractors will usually apply for permits on your behalf.
- Open a new service account (as needed):** If you selected a time-of-use (TOU) rate plan for EV charging, please contact your SCE Account Manager or call **1-800-990-7788** to open a new service account within two months before planned operation.
- Deploy electric infrastructure and charging equipment:** After your contractors have obtained the relevant permits, they may start construction in coordination with SCE, as needed. After completion of the electric infrastructure, your contractors will connect the charging equipment and test them for operation.



¹SCE does not provide referrals for charging equipment vendors.

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9. **Schedule inspection:** Your Authority Having Jurisdiction (AHJ) may require inspection of the completed installation. Be sure your contractors schedule and pass any required inspections for your deployment prior to operation of the charging equipment.
10. **Congratulations!** You are now able to enjoy your new charging equipment.



We're here as your trusted energy provider.

As your energy provider we are here to efficiently deliver affordable, reliable and safe energy to support your TE goals. We encourage you to contact us early to discuss how we can help your organization proceed with deploying charging equipment.

**Have questions or want to discuss your TE plans?
Please call your SCE Account Manager or 1-800-990-7788.
Or for more information, visit [sce.com/TE](https://www.sce.com/TE).**