Ensuring safe, reliable and cost-effective charging for your electric vehicle fleet.

With major automakers bringing a variety of plug-in hybrid electric and battery electric vehicles (EVs) to market, some businesses may consider using these vehicles for fleet applications. Electric-powered vehicles can be beneficial for fleets with central fueling and predictable travel routes.

If you’re considering electric vehicles for any fleet applications, Southern California Edison (SCE) is here to help, including answering your questions about charging costs and options. Our energy advisors have the tools and resources you need to ensure you can provide safe, reliable and efficient charging while helping you to minimize your energy costs.

**Fleet Conversion Analysis**

To assist you, SCE has developed a tool that helps you to determine if EVs can be a valuable addition to your business by modeling the costs and associated benefits of an electric-fueled fleet. Based on the information you provide, your customized Fleet Conversion Analysis will include:

- A summary of your fleet plan as you have described
- Electric vehicle-charging rate options to consider
- A comparative estimate of your current fuel costs versus electric fueling costs
- The possible return on investment associated with fuel savings for installation of EV-charging infrastructure
- Suggested next steps, if you are interested in using EVs for your fleet

Contact SCE to request an SCE Fleet Conversion Analysis of your EV fleet options.

**Charging-Station Considerations**

As you select the right charging equipment for your needs, it is important to keep in mind factors such as your charging schedule/options, and installation and infrastructure requirements. Since it can often be costlier to expand later, you may want to invest in additional infrastructure up front to meet any future fleet expansion plans.

**Charging Schedule/Options**

To determine a charging schedule for any fleet EVs, you should consider:

- The number of vehicles you expect to charge, their all-electric ranges, lengths of their routes and frequency of expected use
- Charging-location options (with areas closer to electrical service preferable to minimize installation costs)
- Expected charging time periods
- Speed of charging equipment
Fleets: Electric Vehicle Charging
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Installation and Infrastructure Considerations
Considerations include:
• Managing the purchase, installation and maintenance of the charging stations
• Ensuring a safe and hazard-free charging area
• Meeting any applicable code and permitting requirements (your selected contractor can guide you on this)
• Determining the type of installation (e.g. ceiling-, wall- and/or floor-mount)
• Working with SCE on any necessary electrical infrastructure upgrades

To assist you, SCE can:
• Advise you about the proper metering equipment needed, along with any upgraded electrical service work necessary to accommodate your charging requirements
• Review your charging plans for compliance with our electrical service requirements to help you to integrate charging into your daily operations seamlessly.

Electric Vehicle-Charging Rate Options
In addition to working with you to ensure safe and reliable charging, SCE can provide a customized rate analysis to help you to determine the most cost-effective eligible rate plan for your business. We also can assess your energy management program and assist you in making decisions to help you minimize the impact of EV charging on your bottom line, such as through incentivized offerings to improve your entire facility’s energy efficiency.

SCE currently offers multiple rate options for EV charging.

Wherever possible, we work with our customers to encourage off-peak charging, when electricity demand and costs are lower.

Fleet applications often provide an ideal fit for off-peak charging (defined as 9 p.m. to noon under SCE’s nonresidential EV rates). This can minimize strain on the electric system, particularly during hot summer afternoons when electricity use climbs and electricity costs for your business typically rise. See SCE’s Rates fact sheet for more information on rate plans for EV charging.

Your Trusted Energy Advisor
SCE is ready to assist you in developing solutions to meet your business’s electric vehicle fleet-charging needs. For an introduction to EV charging, visit sce.com/EV4Business. For additional answers, or to discuss next steps for your site, contact your SCE Account Representative, or call 1-800-990-7788.