

# Quick Reference Guide

for Charging Infrastructure and Rebate and Turn-Key Installation

# OVERVIEW



SCE will design, construct, and install the necessary infrastructure on both the utility-side and customer-side of the electric meter.

## Introduction

The Charge Ready program supports both California's greenhouse gas (GHG)-reduction goal and local air-quality requirements. The program assists customers by reducing their cost for the purchase and installation of required electric vehicle (EV) charging infrastructure, as well as providing rebates to offset the cost of charging stations for certain eligible customers.

## How the Program Works

This program provides the infrastructure to support the installation of EV charging equipment at low- to no-cost to the participant. This presents a unique opportunity for businesses that want to offer EV charging because the infrastructure required to support the installation of EV charging equipment is typically a sizable investment. SCE will design, construct, and install the necessary infrastructure on both the utility-side and customer-side of the electric meter.

# OVERVIEW

## Program Options

### Charging Infrastructure and Rebate

The Charge Ready Charging Infrastructure and Rebate is comprised of two primary features. 1) Under this program, SCE provides utility distribution service upgrades to support the installation of EV charging equipment and provides rebates to participants for the purchase and installation of approved EV charging equipment. 2) Allows customers the option to design, purchase, and install the customer-side of the infrastructure work.

#### 1 Charging Infrastructure and Rebate

In addition to SCE providing the utility-side and customer-side of the meter supporting infrastructure (also referred to as make-ready), this program also offers eligible participants a rebate to offset the costs associated with the purchase and installation of SCE-approved charging equipment. The amount of the rebate will depend on the power level of the charging equipment selected, and the designation of the site where it will be installed. Participating sites located in a top quartile disadvantage community (DAC)<sup>1</sup> will qualify for the largest rebate, with lower rebates offered to non-DAC Multi-family and other non-residential entities.

#### 2 The Customer-Side Make-Ready Rebate Option

This rebate option is available to any participant who chooses to design, purchase, and install the customer-side of the meter infrastructure work. The Customer-Side Make-Ready Rebate is intended to offset up to 80 percent of the costs that SCE would otherwise incur for performing the work. Every participant will have the choice to perform this work themselves and qualify to receive the rebate, or to have SCE perform the work at no additional cost to the participant. This program option also offers eligible participants a rebate to offset the costs associated with the purchase and installation of SCE-approved charging equipment. The amount of the rebate will depend on the power level of the charging equipment selected, and the designation of the site where it will be installed. Participating sites located in a top quartile disadvantage community (DAC)<sup>1</sup> will qualify for the largest rebate, with lower rebates offered to non-DAC Multi-family and other non-residential entities.

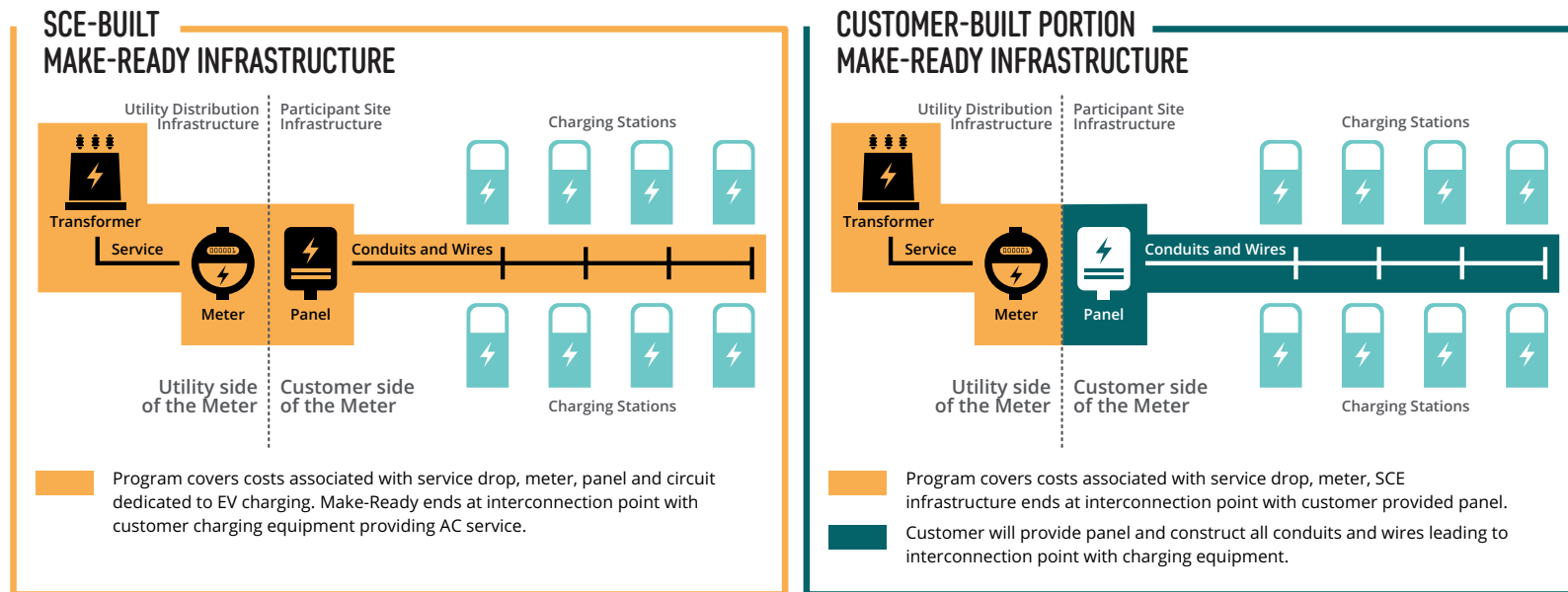


<sup>1</sup> Census tracts in SCE's service territory with a top quartile score according to California Environmental Protection Agency's California Communities Environmental Health Screening Tool (CalEnviroScreen 3.0) tool

# OVERVIEW

Figure 1 illustrates the two basic segments of infrastructure work. If the customer chooses to self-install the infrastructure on the customer-side of the meter (as shown in the graphic on the right in green), they will then qualify to receive this rebate.

FIGURE 1.



# OVERVIEW

## Program Options (continued)

### 3 The Maintenance and Networking Rebate Option

This rebate option is only available to multi-family property sites located in a designated top quartile DAC under the Charging Infrastructure and Rebate program option. The rebate provides a one-time payment intended to offset the maintenance and networking fees associated with owning and operating L2 charging equipment. This one-time rebate is intended to cover most of the costs associated with ten years of the equipment's operation.

## Turn-Key Installation

SCE offers turn-key installation of EV charging equipment where SCE would operate and maintain the equipment. This is only available to residential multi-family property sites located in a top quartile DAC. Through this program option, SCE will:

- Design, install, operate, and maintain the infrastructure.
- Select, purchase, and install the charging equipment.
- Contract directly with services providers to establish and maintain charging equipment enabled network communications.
- Operate and maintain the charging equipment for a 10-year duration.

If a qualifying participant chooses to instead own and operate the charging equipment, they can enroll in the Charging Infrastructure and Rebate Program, purchase and install the equipment and qualify to receive the Maintenance and Networking Rebate Option which is intended to offset the maintenance and networking fees associated with operating the charging equipment.



# OVERVIEW

## Other Rebate Options available:

### New Construction Rebate

The New Construction Rebate offers rebates to developers and owners of new multi-family buildings to encourage the installation of operational EV charging stations during construction. For additional information, please visit [our website](#) since this option is not covered here.



# OVERVIEW

## Charge Ready Program Offerings Comparison

		Charging Infrastructure and Rebate			
		Turn-Key Installation	New Construction Rebate	CIR	Customer-side Make Ready Rebate
Offering Overview	Qualification	Only Multi-family Property Sites Located in a Designated DAC	Only Recently or Newly Constructed Multi-family Property Sites (targeting 50% in DAC)	Non-Residential & Multi-family Property Sites	Non-Residential & Multi-family Property Sites
	Min/Max Port Count*	Minimum of 4 Ports (L2 Only)	No Port Minimum (L1/L2)	Minimum of 4 Ports (L1/L2) and/ of Minimum of 2 Ports for DCFC	Minimum of 4 Ports (L1/L2) and/ of Minimum of 2 Ports for DCFC
	Utility-side Infrastructure	SCE-built	SCE-built	SCE-built	SCE-built
	Customer-side Infrastructure	SCE-built	Customer-built	SCE-built	Customer-built
Charging Equipment Owner Obligations	Charging Equipment Ownership, Maintenance & Operation	SCE	Customer	Customer	Customer
	Meter Customer of Record	Customer	Customer	Customer	Customer
	Set Charging Station Fees	Customer	Customer	Customer	Customer
Rebates*	Charging Equipment/ Station Rebates	None	Up to \$3,500 per Port (to offset the costs of purchase and installation)	See Rebate Summary Table	See Rebate Summary Table
	Infrastructure Rebate for Customer Built Infrastructure	None	None	NA, SCE-built	80% of SCE's Estimated Costs. Optional: Available to all participants choosing to self-build
	Maintenance & Networking Rebate - L2 Only	None	None	Only available to Multi-family in DAC; Up to \$5,700 per Single-Port Station; Up to \$11,400 per Dual Port Station	None
Key Requirements	Charging Equipment Operational Duration	Minimum of 10 Years	Minimum of 10 Years	Minimum of 10 Years	Minimum of 10 Years
	TOU Rate and Demand Response Program Enrollment	Required	Required	Required	Required
	Separate Metering	Required	Strongly Recommended	Required	Required
	Charging Equipment Network Communications	Required	Required	Required	Required

\* L2 Chargers run on a 220-volt outlet delivering 12-80 miles of charge per hour, an order of magnitude faster than an L1 charger.

L1 Chargers typically plug into a household 120-volt outlet and take quite a bit of time to charge the battery. Used primarily for Plug-In Hybrid vehicles. DCFC is still pending CPUC approval and is not currently available. Please contact your SCE Representative for the latest information. DCFC is still pending CPUC approval and is not currently available. Please contact your SCE Representative for the latest information.



## PROGRAM DETAILS

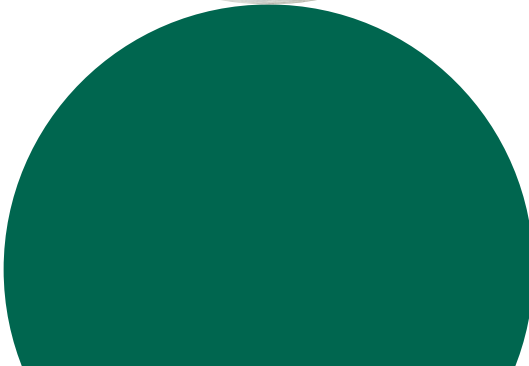
### Key Responsibilities - Charging Infrastructure and Rebate & Turn-Key Installation

#### Customer

- Submits an enrollment application
- Enrolls in a qualifying Demand Response program
- Purchases and installs qualifying charging stations (Not applicable to Turn-Key Installation)
- Maintains charging stations in good working order for a period of at least ten years (Not applicable to Turn-Key Installation)
- Shares usage, pricing, and other related information with SCE for program reporting (Not applicable to Turn-Key Installation)

#### SCE

- Works with customers to help them assess their unique EV charging needs and explore available options
- Designs, procures and installs the make-ready infrastructure for each approved project, at no- to low-cost to the program participant – OR – provides a rebate to customers who choose to design, procure and install the customer side make-ready (Not applicable to Turn-Key Installation)
- Provides charging equipment rebates to eligible customers (Not applicable to Turn-Key Installation)
- Designs, procures and installs the make-ready infrastructure (Applicable only to Turn-Key Installation)
- Procures and installs charging equipment for each approved project (Applicable only to Turn-Key Installation)





# PROGRAM DETAILS

## Program Requirements

### Charging Infrastructure and Rebate

- Requires that participating sites be located within SCE service territory and be an SCE customer.
- Requires a four-port minimum installation for L1/L2.
- For DCFC installations<sup>2</sup>:
  - Requires a two-port minimum installation for DCFC.
  - DCFC Installation will require at least one CCS and one CHAdeMO connector to ensure accessibility and optimize usage.
  - DCFC stations (if approved for installation) must be open to the public.
  - DCFC equipment must be rated at 50 kW or above and approved by SCE.
- Requires the program participant to purchase and install the charging stations.
- Requires the program participant to operate, maintain in working order the charging stations for a full 10-year duration.
- Provides an option for the program participant to self-install the customer side make-ready and receive a rebate of up to 80% of the costs.<sup>3</sup>
- Requires installation of a dedicated meter to measure charging station usage.
- Requires enrollment in a qualifying demand response program.
- Requires that the charging equipment includes a network service (typically provided by the EVSE supplier), and that the usage, pricing and other related information will be shared with SCE.
- Participants are responsible for paying all EV charging station energy costs.
- Participants are encouraged to maximize accessibility to the charging stations
- **Networking and Maintenance Rebate**
  - Only available under the Charging Infrastructure and Rebate program option.
  - Only available to multi-family property sites in a top quartile DAC within SCE service territory.
  - Available for L2 installations only.

### Turn-Key Installation

- Requires that participating multi-family building sites be located in a designated top quartile DAC within SCE service territory and be an SCE customer.
- Requires a minimum installation of four ports.
- Available for L2 installations only.
- SCE will purchase, install, own and operate the charging equipment for a 10-year duration.
- SCE will facilitate the collection of charging station user fees and remit payments to the participant.
- Participants are responsible for paying all EV charging station energy costs.
- Participants will be required to have the meter serving the EV Charging equipment enrolled in an TOU rate plan and share pricing and usage data with SCE.
- Participants will be required to enroll on a qualifying demand response program.

<sup>2</sup> DCFC is still pending CPUC approval and is not currently available. Please contact your SCE Representative for the latest information.

<sup>3</sup> 80% of SCE's cost estimate for the customer-side make-ready.

## PROGRAM DETAILS

### Eligible Charging Equipment

Qualified charging stations are included on SCE's **Approved Product List (APL)**. Under some circumstances, EV charging equipment not yet listed on the APL may be selected for use, but in all cases, SCE must first approve it. Customers can work with their SCE representatives to ensure their selected charging equipment meets program eligibility requirements.

### Things You'll Need to Prepare Your Application

- SCE Service Account Number
- A site plan of the property where the EV charging equipment will be installed. The plan will also need to include the proposed location(s) for the charging equipment
- If you are not the property site owner, ensure the property owner has approved the proposed installation of EV charging equipment
- Approval and authority to sign the application

### Site Plan Instructions

A site plan will need to be submitted with your completed application. The plan is intended to provide an aerial view of your property and should include annotations to indicate the preferred location for the charging equipment.

However, SCE may propose a different location based on various factors, including but not limited to proximity to SCE's existing distribution equipment. The site plan will need to be uploaded to the program website immediately following the completion of the online application.

#### **Ideal location for charging equipment:**

- Be as close as possible to the existing transformer (if enough capacity) or to a new transformer (if needed to serve the EV charging load).
- Be grouped in a single location (e.g., the same floor of a parking depot).
- Allow adequate space for the installation and operation, in compliance with all applicable laws, rules, and regulations.

## APPLICATION EVALUATION & APPROVAL

After a preliminary evaluation of your application, SCE will reach out to provide more information about the program, answer any questions you may have, and further discuss your project to determine possible next steps.

If your project moves past the initial evaluation phase, next steps will typically include the following:

1. **Site Visit:** SCE will work with you to schedule a site visit and evaluation.
2. **Planning and Design:** SCE's team will leverage the site plans submitted with the application, information from the site visit, and perform additional planning and design activities.
3. **Conceptual Design:** SCE will then use the information collected to develop a conceptual design for the necessary infrastructure work.

### Application Approval and Immediate Next Steps

If the proposed project meets program criteria, next steps will typically include the following:

1. SCE will provide the design exhibits to the applicant for approval.
2. Following the applicant's approval of the designs provided by SCE, the applicant will be presented with a Program Participation Agreement (Agreement) for signature.
3. Program funds will be reserved for the project following SCE's execution of the Agreement.
4. Within 45 days of signing the Agreement, participants will be required to provide proof of purchase of the program eligible charging stations.



# PLANNING & CONSTRUCTION

## Once the required documentation is received, SCE will move forward with:

- Completing the detailed design work
- Preparing and delivering easements for the participant's (or property owner) signature
- Securing any necessary permits
- Procuring materials and managing the construction of the make-ready infrastructure work

## Participants will:

- Move forward with installing the EV charging equipment after installation of the make-ready infrastructure (Not applicable to Turn-Key Installation)
- Provide the final documentation to SCE following the successful installation of the EV charging equipment



## Verification

Following the completed installation of the charging equipment, participants can submit the appropriate documentation to receive the applicable program rebates. If required, SCE will then conduct a final walkthrough to verify the charging stations are properly installed and operational. Once verified, SCE will process any rebate payments for which the project may be eligible.

# GET STARTED



## Ready to Get Started?

To apply for the Charge Ready program, please fill out the form on **the website** and someone will contact you.



## Contact Us

If you would like more information about this program, or to further explore your EV charging needs, simply contact your SCE Account Representative. You can also reach us by sending an email to [chargeready@sce.com](mailto:chargeready@sce.com).