



Peninsula Clean Energy EV Ready Program Standards & Requirements

Overview

Peninsula Clean Energy Electric Vehicle (EV) Ready is an EV charging infrastructure program to support multi-family, workplace, and public charging in San Mateo County and the City of Los Banos by providing incentives for the installation of Level 1, Level 2, and Make Ready charging infrastructure. Approximately \$8 million in incentives funding is available. In addition to the incentives outlined in this document, Peninsula Clean Energy is providing free technical assistance to sites to help design their projects.

1. Definitions

- a. Affordable Housing – Residential buildings that entirely consist of units below market rate and whose rents or sales prices are governed by local agencies to be affordable based on area median income.
- b. EVSE – Electric vehicle supply equipment. Conductors, including ungrounded, grounded, and equipment grounding conductors, and the EV connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the EV (NFPA 70-2017, Article 625).
- c. Electric vehicle (EV) charging Port – a 120V – 240V AC outlet or J1772 connector on an EVSE which charges one vehicle at a time.
- d. Electric vehicle (EV) charging infrastructure – refers to all electrical infrastructure, including, electrical panels, circuits, wire, conduit, raceway, and other materials required to bring power from a panel to an EV charging port, and the EV charging port, or electric vehicle supply equipment.
- e. Level 1 (L1) Outlet – Level 1 outlets offer charging through a 120V AC circuit, providing about 50 - 60 miles of range over a 12-hour overnight charge. EV drivers bring their own charging cord.
- f. Level 2 (L2) Outlet – Level 2 outlets offer charging through a 208 – 240V AC circuit, providing about 12 - 24 miles of range per hour. EV drivers bring their own charging cord.
- g. L2 Charging Stations, L2 EVSE, or L2 Charge Ports – charging stations that offer charging on a 208V - 240V AC circuit, providing about 12-24 miles of range per hour. EV drivers plug the charger's cord into their vehicle.
- h. Make Ready Projects or Ports – Projects that build, construct, and install the electrical infrastructure, including transformers, panels, wire, conduit, breakers, required for a L2 EVSE, but do not install the EVSE.
- i. Multi-Unit Dwelling (MUD) – Multi-family residential buildings with four or more residential units.
- j. Electric Vehicle Service Provider (EVSP) – An EVSP provides the connectivity across a network of charging stations. Connecting to a central server, they manage the software, database, and communication interfaces that enable operation of the station.
- k. Employee Parking – Parking that is assigned or dedicated to employee parking only and not accessible by the general public.

2. Program Segments & Funding

a. Eligibility

Summary of Eligible Property and Project Types

Measure Type	Multi-Unit Dwellings	Non-Residential
L1 or L2 Outlet	Eligible	Eligible
L2 EVSE	Eligible	Eligible
Main Panel Upgrade	Eligible	Not Eligible
Make Ready Project	Eligible	Eligible

Eligible Residential Locations

- All multi-family housing (apartments, condos, etc.) with 4 or more housing units. Installations must be in open parking areas or garages. Assigned parking spaces are eligible, as long as they are not located inside private, dedicated, garages with access to only a single residential unit (see “Parking Type” below for more details and exceptions).

Eligible Non-Residential Locations

- Employee Parking, including light-duty fleet
- All Publicly Accessible Non-Residential Locations
 - Retail, hotels, malls, parking garages, curbside charging, etc., must be open to the general public.
 - Government locations such as parks, libraries, government offices, city/county-owned garages, etc., must be open to the general public.

To be eligible for program funding, *all* projects must comply with the following requirements:

1. Location: Property is located within San Mateo County or the City of Los Banos.
2. Customer Type: EVSE or circuit will be electrically connected to a meter associated with a Peninsula Clean Energy customer account.
 - a. **EXCEPTION:** If the site is a MUD, then the stations may be installed on a non-Peninsula Clean Energy meter, provided the main or primary building meter is associated with a Peninsula Clean Energy account.
3. Contractor Requirements: All work performed on projects under this agreement must be performed by contractor companies that hold a valid California C-10 license. PCEA reserves the right to amend and change contractor requirements at any point during the program.
4. Installation Requirements: Installations must comply with all federal, state, and municipal laws, ordinances, rules, codes, standards, and regulations.
5. Funding Requirements: Funds are not retroactively available to projects where the equipment was already purchased, or installation costs have been incurred, prior to approval by Peninsula Clean Energy.
6. Local Codes & Regulations: *Installations must be voluntary and surplus*—charging stations that are required to be installed by a regulation, local ordinance, building code, or other legal obligations (e.g., legal settlement, condition of lease agreement or use permit, EV-readiness ordinance) are NOT eligible, except for installations at Affordable Housing and public agencies.
7. Parking Type: Installations must be in parking areas or garages that are open to residents, employees, public visitors, etc. Installations cannot be located inside private garages with access to only a single residential unit.

- a. Assigned parking spaces are eligible.
 - b. Garages that are only accessible by a single residential unit are not eligible, unless electricity to this area is provided by a common/shared electrical meter.
- b. Affordable Housing Funds Reservation
The program will reserve \$1 million towards Affordable Housing charging installation projects, including at both existing Affordable Housing and new construction projects. Funding will be protected for up to 2 program years after which the allocation of funds will be re-assessed and any unreserved funds may be reallocated to the program funding pool and be eligible to fund other projects. Peninsula Clean Energy will notify applicants with incomplete projects of pending fund re-allocation 90 days before the expiration date.
- c. Multi-Unit Dwellings Funds Reservation
The program will reserve \$3.5 million towards charging installation projects at MUD properties, inclusive of the \$1 million reserved for Affordable Housing projects. Funding will be protected for up to 2 program years after which the allocation of funds will be re-assessed and any unreserved funds may be reallocated to the program funding pool and be eligible to fund other projects. Peninsula Clean Energy will notify applicants with incomplete projects of pending fund re-allocation 90 days before the expiration date.
- d. Public Agency Funds Reservation
The program will reserve \$1.5 million toward charging installation projects at public agency properties. Funding will be protected for up to the beginning of Q4 2023 after which the allocation of funds will be re-assessed and any unreserved funds may be reallocated to the program funding pool and be eligible to fund other projects. Peninsula Clean Energy will notify applicants with incomplete projects of pending fund re-allocation 90 days before the expiration date.
- e. Combining Incentives
Installations may be eligible for additional funding programs such as CALeVIP, BAAQMD Charge! Program, etc. When customers combine incentives from multiple sources, Peninsula Clean Energy Incentives may be reduced so total incentives do not exceed the applicable caps indicated in the incentive table below.

The site eligibility, as outlined in the eligibility section, applies to all program segments unless otherwise designated or outlined within the program segment descriptions below.

3. Installation Requirements

Please review each section for more details on charging hardware requirements, and property qualifications and site eligibility.

a. Level 1 (L1) or Level 2 (L2) Outlet (110/120V or 208 – 240V, 15A – 50A circuit)

i. Hardware Requirements

1. Power Supply: 1.4 kW minimum
2. NEMA 110/120V or 208 – 240V receptacle, heavy duty, commercial, or industry grade
3. Ground Fault Circuit Interrupter (GFCI) receptacle
4. Must meet indoor or outdoor NEC requirements per installation location

ii. Software Requirement

1. N/A

iii. Operational Requirements

1. Operating Period:
 - a. Mandatory 3-year operation period

b. Level 2 (L2) EVSE (208 - 240V, 20A – 80A circuit)

i. Hardware Requirements

1. J-1772 standard commercial grade charging receptacle
2. NEMA 3R rated (outdoor rated hardware) minimum
3. 6.2 kW *minimum* capable power supply. Actual operating draw may be lower when controlled by power management
4. Must be Energy Star Certified
5. Hardware must be new; no refurbished or repurposed equipment can be installed (e.g., equipment previously used as display)

ii. Software Requirements

1. Communication Protocols:
 - a. Must use an open standard protocol, such as Open Charge Point Protocol (OCPP)
2. Billing
 - a. Must accept some form of credit card and at least one additional form of payment (if payment is required)

iii. Installation & Operational Requirements

1. EVSE Procurement:
 - a. Vendors must have installed and/or operated chargers in the United States for at least three years
2. Operating Period:
 - a. Mandatory 3-year operation period with standardized data reporting frequency established in the Program Terms & Conditions
3. Networking Agreement
 - a. Mandatory 2-year networking agreement with EVSP network

c. 'Make Ready' Retrofit Projects

EV Charger Incentives provides funding to create Make Ready Spaces by installing infrastructure for future EVSE installation.

Make Ready Spaces: Installations with complete 20A – 80A circuits, but does not install the EV charging port(s) or outlets.

4. Incentive Amounts

\$3.5 million in program funding is reserved for multi-unit dwelling property types, including \$1 million in reserved funding for Affordable Housing projects and \$1.5 million in program funding is reserved for public agency properties (outlined in Program Segments & Funding, (a) Eligibility).

Property Category	Property Type	Measure Type	Port Incentive	Applicable Cap ¹
Existing Building	Multi-Unit Dwelling	L1 or L2 outlet	\$2,000	No cap
		L2 EVSE port	\$5,500	Up to 75% of project cost, maximum \$90,000 per property
		Main panel upgrade ²	\$5,000	Up to \$5,000 per property
	Affordable Housing Multi-Unit Dwelling	L1 or L2 outlet	\$2,500	No cap
		L2 EVSE port	\$5,500	Up to 100% of project cost, maximum \$90,000 per property
		Main panel upgrade ²	\$5,000	Up to \$5,000 per property
	Employee Parking	L1 or L2 outlet	\$2,000	No cap
		L2 EVSE port	\$5,000	Up to 75% of project cost, maximum \$90,000 per property
	All Publicly Accessible Non-Residential Locations ³	L1 or L2 outlet	\$2,000	No cap
		L2 EVSE port	\$5,000	Up to 75% of project cost, no maximum
	Any	Make ready circuit ⁴	\$2,000	Up to \$20,000 per property
New Construction ⁶	Market Rate Multi-Unit Dwelling (Above Code ⁵)	L1 or L2 outlet	\$1,000	No cap
		L2 EVSE port	\$2,000	Up to \$40,000 per property
	Affordable Housing Multi-Unit Dwelling	L1 or L2 outlet	\$1,500	No cap
		L2 EVSE port	\$2,500	Up to \$100,000 per property
	Public Agency	L1 or L2 outlet	\$1,000	No cap
		L2 EVSE port	\$2,000	Up to \$250,000 per property

¹ Maximum incentive award is up to 100% of project cost – maximum port incentive or applicable cost, whichever is less, unless otherwise stated

² Must install 4 or more ports to be eligible for the main panel upgrade incentive.

³ Publicly-Accessible Non-residential locations are defined in Section 2 Program Segments & Funding.

⁴ Can not be layered with L2 incentives from other programs to fund the same port.

⁵ Market rate above code incentive covers *voluntary and surplus* charging stations from those required to be installed by a regulation, local ordinance, building code, or other legal obligations.

⁶ If a new construction project is a multi-use site and is eligible for multiple incentive categories, the site owner must select which property type category and corresponding incentive structure to apply for.

5. Eligible Project Costs

All incentives are capped at a percentage of project costs. Project costs can only include the monetary cost required to install the EVSE included within the project scope. Peninsula Clean Energy requires itemized invoices fully documenting the project costs prior to issuing the incentive payment. The following costs are considered eligible project costs when determining the incentive cap:

- Utility service upgrades, net of any utility service allowance
- Design & engineering services
- EVSE (EV charging ports and outlets)
- EVSE service, warranty, and O&M agreements
- Installation costs
 - Materials (conduit, panels, wire, etc.)
 - Labor
 - Civil (trenching, backfill, curb cutting, etc.)
- Project signage
- Required ADA upgrades due to charging project
- Load management, or 'power sharing' equipment
- Adder Hardware
 - 'Networked' L1 charging management systems; for example, networked energy monitors, energy controllers, or outlets added to the project to create a 'networked' L1 charging station must enable:
 - Wi-Fi or cellular connectivity and the ability to interface with third party API
 - Data collection of charging events and sessions (including total kWh delivered per session, start and stop time of session, location of session, and unique station identifying serial number) and wireless transmission of those data

6. Funds Reservation Period

The Funds Reservation Period begins when Peninsula Clean Energy approves an incentives application. All project applications approved for an incentive rebate must submit a preliminary site plan within 60 days from the beginning of the Funds Reservation Period. For project application that are a designated Applicant, the applicant must show evidence that the preliminary site plan has been approved by the property owner or site host. **Applicants that do not provide a preliminary site plan within 60 days of the Funds Reservation period will be cancelled at Peninsula Clean Energy's discretion.**

All project applications approved for an incentive rebate must also be completed and required verification submitted to Peninsula Clean Energy within the timeline outlined below. Peninsula Clean Energy reserves the right to extend the Funds Reservation Period or progress milestones at its discretion.

Property Category	Property Type	Unit Type	Funds Reservation Period
Existing	Multi-Unit Dwelling	L1 outlet	270 days
		L2 EVSE port	
	Affordable Housing Multi-Unit Dwelling	L1 outlet	365 days (12 months)
		L2 EVSE port	
	Employee Parking & All Publicly Accessible Non-Residential Locations	L1 outlet	270 days
		L2 EVSE port	
	Any	Make Ready circuit	
New	Market Rate Multi-Unit Dwelling (<i>Above Code</i>)	L1 outlet	Reservation period: 2 years (up to 9 months prior to program termination) Required progress milestones to maintain the reservation: <ul style="list-style-type: none"> Design drawing showing scope of EV charging by 6 months, and Copy of approved building permit by 12 months
		L2 EVSE port	
	Affordable Housing Multi-Unit Dwelling	L1 outlet	Reservation Period: 3 years (up to 9 months prior to program termination) Required progress milestones to maintain reservation: <ul style="list-style-type: none"> Submit confirmation of "Notice to Proceed" documentation
		L2 EVSE port	
	Public Agency	L1 Outlet	365 days (12 months)
		L2 EVSE Port	

7. Required Installation Verification Documents

1. Purchase invoice for equipment. Invoice must be marked as paid.
2. Purchase invoice for all installation costs. Invoice must be marked as paid
 - i. If the project required a panel upgrade, the invoice must explicitly list this cost in a separate line item and only include those hardware or installation costs associated with the panel
3. Design invoice for engineering and design costs
4. Copy of permits: local agency, and (if applicable) utility permits/service orders
5. Pictures of the following:
 - i. At least 2 photos of installed and operational EV Charging ports, which also clearly displays PCEA labeling (to be provided by PCEA to the site)
 - ii. Photos of equipment serial numbers
 - iii. If the project required a panel upgrade, please provide a picture of the new panel displaying all the circuits
6. Copy of a network agreement (2 years for L2)
7. Copy of an operation and maintenance contract or minimum 3-year warranty with EVSE vendor
8. Authority Having Jurisdiction on electrical inspections Inspection Card, including inspector sign-off
9. PCE reserves the right to request additional documentation as needed for demonstration of compliance with program requirements and audit Customer documents and attestations at its sole discretion.