



COMMUNITY DEVELOPMENT DEPARTMENT
Building & Safety Inspection Division
221 West Pine St./PO Box 3006, Lodi, CA 95241-1910
(209) 333-6714

Building Department Eligibility Checklist for Expedited Residential Electric Vehicle Charging Station Permit: Single Family Dwellings and Accessory Structures

The Electrical Vehicle Charging Station is required to be submitted to Lodi Electric Utility (LEU) Department for review and approval. Lodi Electric Utility Department must approve the Electric Vehicle Charging Station before plans are submitted to Building Department for building review and permit

Y N
 Two sets of plans with LEU wet signed approvals on the electrical drawings and panel layout

Type of Charging Station(s) Power Levels (proposed circuit rating) Check one

- Level 1 - 110/120 volt alternating current (VAC) at 15 or 20 Amps
- Level 2 - 3.3 kilowatt (kW) (low) 208/240 VAC at 20 or 30 Amps
- Level 2 – 6.6kW (medium) 208/240 VAC at 40 Amps
- Level 2 – 9.6kW (high) 208/240 VAC at 50 Amps
- Level 2 – 19.2kW (highest) 208/240 VAC at 100 Amps
- Other (provide detail):_____ Provide rating:_____

Is the site plan and separate electrical plan with a single-line diagram included with the permit application

If mechanical ventilation requirements are triggered for indoor venting requirements (CEC 625.52 (B)), is a mechanical plan included with the permit application

Is the site plan fully dimensioned and drawn to scale

Showing location, size, and use of all structures

Showing location of electrical panel to charging system

Showing type of charging system and mounting

Electrical Load Calculation Worksheet

An electrical load calculation worksheet must be included (CEC 220)

Based on the load calculation worksheet, is a new electrical service panel upgrade required
If yes, do plans include the electrical service panel upgrade

- Yes
- No

Is the charging circuit appropriately sized for a continuous load of 125%

If charging equipment proposed is a Level 2 – 9.6 kW station with a circuit rating of 50 Amps or higher, is a completed circuit card with electrical calculations included with the single line diagram



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Compliance with the 2016 California Electrical Code

- Does the plan include EVCS manufacturer's specs and installation guidelines
- Does the electrical plan identify the amperage and location of existing electrical service panel
If yes, does the existing panel schedule show room for additional breakers
 Yes
 No
- Is the charging unit rated more than 60 amps or more than 150V to ground
If yes, are disconnecting means provided in a readily accessible location in line of site and within 50' of EVCS. (CEC 625.42)
 Yes
 No
- Does the charging equipment have a Nationally Recognized Testing Laboratory (NRTL) approved listing mark? (UL 2202/UL 2200)
- If trenching is required, is the trenching detail called out
- Is the trenching in compliance with electrical feeder requirements from structure to structure? (CEC 225)
- Is the trenching in compliance with minimum cover requirements for wiring methods or circuits? (18" for direct burial per CEC 300)

Notes: This criteria is intended for an expedited EVCS permitting process. If any items are checked NO, please revise plans to fit within the eligibility checklist; otherwise the permit application may go through the standard plan review and approval process. Plan review commences the day after submittal with up to 3 business days for qualifying expedited projects and up to 10 business days for all other EVCS projects.

Electrical plans shall be completed, stamped and signed by a California Licensed Electrical Engineer or a C-10 electrical contractor

Project Address:

Applicant Signature:

Applicants Printed Name:

Contractor's License Number and type