



**Non-residential
EV Charging
B-65C**

Development Services

Building Division
1635 Faraday Avenue
442-339-2719
www.carlsbadca.gov

**NON-RESIDENTIAL ELECTRICAL VEHICLE CHARGING STATIONS EXPEDITED REVIEW
ELIGIBILITY CHECKLIST**

GENERAL

The purpose of this checklist is to determine eligibility and clarify the minimum building code requirements when preparing plans and documents for expedited plan review of EV charging stations in compliance with Carlsbad Municipal Code Chapter [18.22](#) and Government Code Section [65850.7](#), as amended by [AB1236](#) in 2015.

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 – 6.6 kW (medium)	208/240 VAC at 40 Amps	
Level 2 – 9.6 kW (high)	208/240 VAC at 50 Amps	
Level 2 – 19.2 Kw (highest)	208/240 VAC at 100 Amps	
Other (provide detail): _____	Provide rating: _____	

Permit Application Requirements:

A. Does the application include EVCS manufacture’s specs and installation guidelines?	Y	N
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Electrical Load Calculation Worksheet:

A. Is an electrical load calculation worksheet included? (CEC 220)	Y	N
B. Based on the load calculation worksheet, is a new electrical service panel upgrade required?	Y	N
1) If yes, do plans include electrical service panel upgrade?	Y	N
C. Is the charging circuit appropriately sized for a continuous load of 125%?	Y	N
D. If charging equipment proposed is a Level 2 – 9 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?	Y	N

Site Plan and Single Line Drawing:

A. Is a site plane and separate electrical plan with single-line diagram included with the permit application?	Y	N
1) If mechanical ventilation requirements are triggered for indoor venting requirements (CEC 625.29 {D}) , is mechanical plan included with the permit application?	Y	N
B. Is the site fully dimensioned and drawn to scale?	Y	N

1) Showing location, size, and use of all structures	Y	N
2) Showing location of electrical panel to charging system	Y	N
3) Showing type of charging system and mounting	Y	N

Compliance with the 2019 California Electrical Code:

A. Does the application include EVCS manufacture’s specs and installation guidelines?	Y	N
B. Does the electrical plan identify the amperage and location of existing electrical service panel?	Y	N
1) If yes, does the existing panel schedule show room for additional breakers?	Y	N
C. Is the charging unit rated more than 60 amps or more than 150 V to ground?	Y	N
1) If yes, are disconnecting mean provided in a readily accessible location in line of site and within 50’ of EVCS. (CEC 625.23)	Y	N
D. Does the charging equipment have a Nationally Recognized Testing Laboratory (NRTL) approved listing mark? (UL 2202/UL 2200)	Y	N
E. If trenching is required, is the trenching detail called out?	Y	N
1) Is the trenching in compliance with electrical feeder requirements from structure to structure? (CEC 225)	Y	N
2) Is the trenching in compliance with minimum cover requirements for wiring methods or circuits? (18” for direct burial per CEC 300)	Y	N

Compliance with 2019 California Green Building Standards Code (CGBSC):

A. Does the CAL Green EV Readiness installation requirements apply to this project?		
1) Do the plans demonstrate conformance with CGBSC Table 5.106.5.3.3 for the minimum required number of charging spaces?	Y	N
2) Do the construction plans comply with the design requirements set forth in CGBSC 5.106.5.3.1 for single charging spaces or CGBSC 5.106.5.3.2 for multiple charging spaces?	Y	N

Compliance with 2019 California Building Code, Chapter 11-B Accessibility Features:

A. Do the plans clearly depict all required accessible EVCS features for the disabled?	Y	N
1) Do the plans identify the correct number and type of accessible EVCS stalls required in accordance with Table 11B-228.3.2.1?	Y	N
2) Do the plans detail compliance with the accessible EVCS features required by CBC 11B-812 and Figure 11B-812.9?	Y	N

Project Address: _____

Applicant Signature: _____

Applicant's Printed Name/Date: _____

INSTRUCTIONS

Information provide in this document is general and intended as a guide only. Each project is unique and additional requirements may be enforced as deemed appropriate.

In-person submittal required. Submit the B-2 permit application, this checklist, (2) sets of supporting documents and (2) sets of hard copy plans (minimum 11" x 17" or larger) by appointment [HERE](#). We will process the permit into our system and prepare a plan review invoice for payment at this appointment. Please have a form of payment available. (American Express not accepted)

Please complete this checklist by checking the appropriate boxes based on information presented on the plans and supporting documentation. **If any items are checked "NO", please revise plans to comply with the eligibility checklist.** Otherwise, the permit application may go through the standard plan review and approval process.

It may take up to 10 business days to complete expedited review for large and/or complex projects. Building counter staff will determine eligibility for expedited review at the time of building permit application review.

PERMIT FEES

Permit fees will be in accordance with current Adopted Fee Schedule. Please contact Building Division Technicians for additional information.

INSPECTION PROCEDURES

One inspection is required after the new wiring and charger unit is installed. However, additional inspections may be required depending on the scope of work. The building inspector will let you know if there are additional inspections. For each inspection, the Permit Card and Approved Owner Copy of the plans must be presented to the inspector. The manufacture's installation guidelines shall be available for the building inspector at the job site during the inspection as well. A representative of the installing contractor must be on-site for all inspections.

Permits shall become invalid unless the work authorized by such permit is commenced within 365 days after its issuance.

To schedule an inspection, use the Building Division Online Inspection Request [HERE](#) or contact the Building Division at 442-339-2725.