



**Multi-family
EV Charging
B-65B**

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

**MULTI-FAMILY 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: (REQUIRED)

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 2022 California Electrical Code: (REQUIRED)

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 2022 California Green Building Standards Code (CGBSC): (REQUIRED)

A. Does the CAL Green EV Readiness installation requirements apply to this project?	Y	N
1) Do the plans demonstrate conformance with mandatory measures for 10% of the total number of parking spaces, for new multifamily dwellings that must be EV capable (4.106.4.2)	Y	N
2) Do the construction documents indicate the location of the proposed EV spaces where at least one is located in common use areas and available for use by all residents (4.106.4.2.1)	Y	N

<p>3) When EV chargers are installed, EV spaces required by Section 4.106.4.2.2, item 3, shall comply with at least one of the following options:</p> <ul style="list-style-type: none"> a. The EV space shall be located adjacent to a accessible parking space that complies with CBC Chapter 11-A, to allow use of the EV charger from the accessible parking space. b. The EV space shall be located on an accessible route, as defined by CBC, Chapter 2, to the building. Exception: EVCS designed and constructed in compliance with CBC, Chapter 11B, are not required to comply with Section 4.106.4.2.1.1 and Section 4.106.4.2.2, Item 3. 	Y	N
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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-1 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)

In most cases, expedited plan review will be performed in the order received or 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.