BUILDING & SAFETY DIVISION

ELIGIBILITY CHECKLIST FOR EXP. ELECTRICAL VEHICLE CHARGING STATION PERMIT- MULTI-FAMILY DWELLING

Development Services

150

October 2019

City of Murrieta-Development Services Department
1 Town Square, Murrieta, CA 92562

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:_____	☐

Permit Application Requirements:

A. Does the application include EVCS manufacturer's specs and installation guidelines?	☐Y	☐N

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 the 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 – 9.6 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?	☐Y	☐N

Site Plan and Single Line Drawing:

A. Is a site plan and separate electrical plan with a 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 a mechanical plan included with the permit application?	☐Y	☐N
B. Is the site plan 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 2016 California Electrical Code:

A. Does the plan include EVCS manufacturer'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 150V to ground?	☐Y	☐N
1) If yes, are disconnecting means 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 2016 California Green Building Standards Code:

A. Do the CAL Green EV Readiness installation requirements apply to this project:	☐Y	☐N
1) Do the plans demonstrate conformance with mandatory measures for 3% of total parking spaces, but no less than one, **for new multifamily dwellings with 17+ units** 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 to all residents for use **(4.106.4.2.1)**	☐Y	☐N
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: a. The EV space shall be located adjacent to an 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. c. EV charging space(s) comply with Section **4.106.4.2.2, items 1, 2 and 3.**	☐Y	☐N

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: _____ **-** _____