



# AMADOR COUNTY LAND USE AGENCY BUILDING DEPARTMENT

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Please complete the following information related to permitting and installation of Electric Vehicle Service Equipment (EV) as a supplement to the application for a building permit. This checklist contains the technical aspects of EV installation and is intended to help expedite the permitting and use for electric vehicle charging.

**JOB ADDRESS:** \_\_\_\_\_

\_\_\_ Single-Family \_\_\_ Multi-Family (Apartment) \_\_\_ Multi-Family (Condominium)  
\_\_\_ Commercial (Single Business) \_\_\_ Commercial (Multi-Business) \_\_\_ Mixed-Use  
\_\_\_ Public Right-of-Way

**Location and Number of EV to be installed:**

\_\_\_ Garage \_\_\_ Parking Level(s) \_\_\_ Parking Lot \_\_\_ Street Curb \_\_\_

**Scope of Work:** \_\_\_\_\_

**EV Charging Level:**

\_\_\_ Level 1 (120V) \_\_\_ Level 2 (240V) \_\_\_ Level 3 (480V)

Maximum Rating of EV Service Equipment \_\_\_\_\_ kW Voltage \_\_\_ V

Manufacturer of EV: \_\_\_\_\_

Mounting: \_\_\_ Wall Mount \_\_\_ Pole/Pedestal Mount \_\_\_ Other (describe) \_\_\_\_\_

**System Voltage:**

\_\_\_ 120/240V, 1 $\phi$ , 3W \_\_\_ 120/208V, 3 $\phi$ , 4W \_\_\_ 120/240V, 3 $\phi$ , 4W \_\_\_ 277/480V 3 $\phi$ , 4W

\_\_\_ Other (describe) \_\_\_\_\_

Rating of Existing Main Electrical Service Equipment = \_\_\_\_\_ Amperes

Rating of Panel Supplying EV (if not directly from Main Service) = \_\_\_\_\_ Amps

Rating of Circuit for EV: \_\_\_\_\_ Amps / \_\_\_\_\_ Poles

AIC Rating of EV Circuit Breaker (if not Single Family, 400A) = \_\_\_\_\_ A.I.C. (or verify w/Inspector in field)

**Specify Either Connected, Calculated or Documented Demand Load of Existing Panel:**

Connected Load of Existing Panel Supplying EV = \_\_\_\_\_ Amps

Calculated Load of Existing Panel Supplying EV = \_\_\_\_\_ Amps

Demand Load of Existing Panel or Service Supplying EV = \_\_\_\_\_ Amps

(Provide Demand Load Reading from Electric Utility)

Total Load (Existing plus EV Load) = \_\_\_\_\_ Amps

EV Rating \_\_\_\_\_ Amps X 1.25 = \_\_\_\_\_ Amps = Minimum Ampacity of EV Conductor = # \_\_\_\_\_ AWG

**For Single-Family:**

Size of Existing Service Conductors = # \_\_\_\_\_ AWG or kcmil

-or- Size of Existing Feeder conductor Supplying EV Panel = # \_\_\_\_\_ AWG or kcmil (or Verify w/Inspector in field)