



City of Huntington Beach
Department of Community Development
MULTI-FAMILY RESIDENTIAL
EV CHARGER CHECKLIST

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Purpose

The purpose of this guideline is to assist permit applicants in streamlining the permitting and inspection process for Residential Multi Family EV Chargers.

Site Plan

- The location of garage and residential unit
- All EV receptacle location(s), conduit type / size, wire type / size, conductors, equipment ground size, and existing or proposed electric meter location
- Zoning Code Compliance

Electrical Plan

- Circuit ampacity and voltage
- Calculations showing the new loads on new or existing service equipment
- Single line diagram
- Provide available short circuit calculation and method of rating the added sub-panels (if needed)
- GFCI protection if using receptacle – CEC 625.54 (NFPATIA 17-2)
- Burial depths if needed – CEC 300.5

Manufacturer's Specifications

- Provide two copies of the manufacturer's charger specifications. These specifications will show requirements and data for the EV charger being installed as well as a listing agency approval.