



City of Malibu

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Residential Electric Vehicle Charger Guidelines

The City aims to encourage the installation of home charging equipment by removing obstacles to, and minimizing costs of, permitting for Electric Vehicle (EV) chargers so long as the action does not supersede higher priority life-safety situations. The intent of this document is to assist residents by streamlining the permitting and construction process.

Level 1 EV charger systems plug into a standard 120 volt receptacle, and typically require a longer time to fully charge a vehicle (11-20 hours). Level 2 EV chargers plug into a 240 volt receptacle and deliver more power to the vehicle to charge it faster (3-8 hours).

Project Approval Process

Residents considering installing a charging system can submit the project for Building Plan Check through Malibu's Development Portal www.MalibuCity.org/DevelopmentPortal. The City must be able to verify that the existing electrical service will accommodate any added electrical load. After the plan review is complete and approved, permits may be requested through the online portal.

Be sure to use a California Licensed Electrical Contractor whose license is current for electrical work. Submit permit requests through the online portal www.MalibuCity.org/DevelopmentPortal. Malibu City Hall is open to the public for permit services Monday through Friday, 8:00 AM – 12:00 PM.

Finally, request an inspection through the City's online portal at www.MalibuCity.org/inspections.

Submittal Checklist

- Panel schedule (including the new EV charger)
- Manufacturer brand, model, and specifications
- Single line diagram showing the electrical usage
- Items to include on plans: Plot plan identifying the location of EV charger, location and size of existing Main Service Panel, estimated length of proposed service run to EV charger from existing Main, size of conduit and type and size of conductors (conductors shall be sized article 310 of the CEC)
- Identify existing electrical service such as rating in amperes, system voltage, connected or calculated load, spare capacity in amperes
- Provide voltage and ampere rating of the EV supply equipment and circuit rating of the EV supply equipment
- Show location of the EV supply equipment, if ventilation is/ or is not required, and clearances of the charging equipment to comply with all applicable building and fire safety laws
- Confirm that the location of the EV supply equipment will comply with any vehicle clearance requirements