

Electric Vehicle Charging Stations for Residential

(MTMC 19.126)



Permits and fees apply

An electrical permit to accommodate a “level 2” (typically 220 to 240 volt) electric vehicle charging station in a garage is required for all new home construction or additions modifying greater than 50% of the assessed value of the building.

A mechanical permit may also be required.

What do I need to do?

Complete an electrical permit application form at City Hall or online at: <http://www.cityofmlt.com/177>.

What do I need to know?

Conduit connecting circuits located in a garage per National Electric Code (2008) Article 625, the following are required:

- Additional circuit to accommodate a “level 2” (typically 220 to 240 volt) electric vehicle charging station.
- The location must be in an area where charging an electric vehicle would not require plugging in a cord across a doorway to a garage.
- Ventilation as applicable.

What does Rough-in mean?

“Rough-in” means accommodating for future installation of electric vehicle charging stations in accordance with the National Electric Code (2008) Article 625. This includes:

- Calculating all future electric vehicle charging stations into electrical load for the building.
- While electrical infrastructure to support the charging stations does not need to be installed immediately, items such as additional space in the electrical room for a larger transformer or other electrical equipment such as additional electrical panels must be designed. This includes:
 - The installation of open piping necessary to provide power to a future charging station;
 - A wiring system between the future electric charging station and the power source (such as the electrical room);

- Additional ventilation as applicable, and
- Electric vehicle ADA requirements as applicable (for 5 or more electric vehicle charging stalls).

Additional information

“Charging level” means the standardized indicators of electrical force, or voltage, at which an electric vehicle’s battery is recharged. Levels 1, 2, and 3 are defined by the electrical output, per the following specifications:

1. Level 1. Voltage including the range from zero through 120.
2. Level 2. Voltage greater than 120 and up to and including 240.
3. Level 3, fast or rapid charging Voltage greater than 240.



Questions?

City staff is happy to answer your questions, provide plot plans and assist you to obtain the permit.

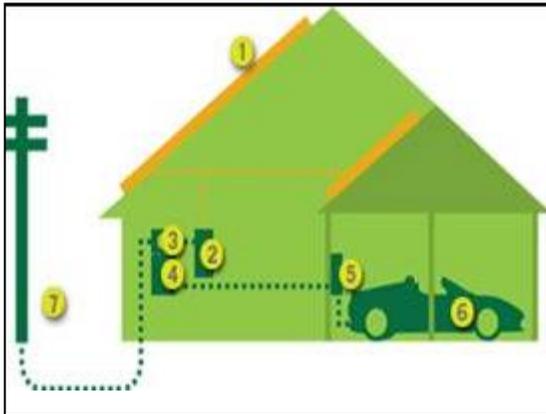
For more information contact

Phone 425.744.6267

PermitSpecialist@ci.mtl.wa.us

www.cityofmlt.com

Electrical Vehicle Charging Stations for Residential



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*This brochure is not intended to cover all situations
nor to replace any code provision that may apply
and may differ or conflict with this information.
Contact City staff to discuss your specific project.*
