



July 1, 2010

Minor label installation for home-based electric vehicle supply equipment

Purpose of the rule:

This rule allows certain home-based electric vehicle supply equipment (EVSE) units to be installed under an electrical minor label. The rule also allows for the installation of a branch circuit not to exceed 40 amps/240 volts to service the EVSE.

This rule becomes effective July 1, 2010.

Citation:

Amend: OAR 918-311-0065

Effect of the rule:

Currently, under the electrical minor label program, a new electrical circuit is limited to 30 amps or less. In order to streamline the installation of the home-based Electric Vehicle Supply Equipment (EVSE) units that are 40 amps, this rule establishes specific limitations on the use of a minor label for this application. EVSE units allow charging of an all-electric vehicle at a one-and two-family dwelling.

This rule is another step in the [Division's ongoing effort](#) to promote electric vehicle use and other green building technologies. This rule change supports the rollout of the Nissan Leaf all-electric vehicle in the Portland metro area and Willamette Valley. As many as 900 home-based EVSE units must be installed to allow for charging of these all-electric vehicles. These units are an improvement over the existing units; taking about half the time to charge a vehicle.

Contact:

If you have questions or need further information, please contact Chief Electrical Inspector Dennis Clements at Dennis.L.Clements@state.or.us or 503-378-4459.



OAR 918-311-0065

Electric Vehicle Charging Station Statewide Permit and Inspection Protocol

To ensure a path for the emerging technology and enable the installation of charging stations for electric vehicles, the following permit and inspection protocols will apply throughout the state, notwithstanding contrary provisions contained in the **Oregon Electrical Specialty Code**.

(1) Building officials and inspectors shall permit and allow installation of an electric vehicle charging station that has a Building Codes Division's special deputy certification label without further testing or certification.

(2) Persons installing an electric vehicle charging station must obtain a permit for a feeder from the inspecting jurisdiction. No other state building code permit is required.

(3) The jurisdiction may perform up to two (2) inspections under the permit issued in subsection (2) above.

(4) Inspection of the installation is limited to examining the feeder for compliance with the following **Oregon Electrical Specialty Code** provisions:

- (a) Overcurrent protection, per articles 225 and 240;
- (b) Physical protection of conductors, per article 300;
- (c) Separation and sizing of the grounding and neutral conductors, per article 250.20; and
- (d) Provisions for locking out the breaker for maintenance, per chapter 4.

(5) For the purpose of this rule, the service, feeder, and charging station pedestal will be considered a single structure as defined by the **Oregon Electrical Specialty Code**. The structure's owner may opt to install a grounding electrode system to supplement lightning protection, but cannot be required to do so.

(6) An electrical contractor employing a general supervising electrician in accordance with OAR 918-282-0010 is authorized to use a minor installation label to install a new branch circuit limited to 40 amps 240 volts for the purpose of installing a wall mounted Electric Vehicle Supply Equipment (EVSE) unit in the garage of one and two family dwellings, and connect a listed wall mounted EVSE unit to that branch circuit. The electrical panel where the circuit originates must be in the garage within sight from the EVSE unit. This provision does not apply to installations in wet or damp locations.

Stat. Auth: ORS 455.065

Stat. Implemented: ORS 455.065

Hist.: BCD 16-2008(Temp), f. & cert. ef. 9-26-08 thru 3-25-09; BCD 30-2008, f. 12-31-08, cert. ef. 1-1-09;

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