



September 26, 2008

Electrical vehicle charging stations

Purpose of the rule:

This temporary rule addresses the needs of an emerging electrical technology in Oregon by adopting a permit and inspection protocol for the installation of charging stations for electric and hybrid vehicles. This temporary rule provides guidance where the Oregon Electrical Specialty Code does not specifically cover this new technology while still providing safety to Oregonians.

This temporary rule is effective September 26, 2008.

Citation:

Adopt: OAR 918-311-0065

History:

Oregon is experiencing an increasing use of electric and hybrid vehicles. As a result, the division under the Governor's sustainability agenda, is working to accommodate new advances in sustainable technologies. A pilot program has been established under the sustainability agenda to allow electric hybrid vehicle charging station installations in certain areas of the state. Once installed, vehicle owners will have access to convenient plug-in type charging stations.

Contact:

If you have questions or need further information, please contact Green Building Services Manager Andrea Simmons at 503-373-7235, or Andrea.F.Simmons@state.or.us .



Secretary of State
Certificate and Order for Filing
TEMPORARY ADMINISTRATIVE RULES
A Statement of Need and Justification accompanies this form..

I certify that the attached copies* are true, full and correct copies of the TEMPORARY Rule(s) adopted on [Upon Filing] by the
Date prior to or same as filing date

Department of Consumer and Business Services, Building Codes Division 918
Agency and Division Administrative Rules Chapter Number

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Rules Coordinator Address Telephone

to become effective [Upon Filing] through [March 25, 2009].
Date upon filing or later A maximum of 180 days including the effective date.

RULE CAPTION

Establishes permitting and inspection procedures for electric vehicle charging stations.

Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.

RULEMAKING ACTION

List each rule number separately, 000-000-0000.

Secure approval of new rule numbers (Adopted rules) with the Administrative Rules Unit prior to filing

ADOPT: 918-311-0065

AMEND:

SUSPEND:

Stat. Auth.: ORS 455.065

Other Auth.:

Stats. Implemented: ORS 455.065

RULE SUMMARY

This temporary rule establishes a permitting and inspection protocol for electric vehicle charging stations. As part of the governor's sustainability agenda, the division is working to accommodate new sustainable technology advances. The proposed rule addresses emerging technology, defining permit and inspection requirements for the installation of charging stations for electric vehicles.

Mark Long

Authorized Signer Printed name Date

*With this original and Statement of Need, file one photocopy of certificate, one paper copy of rules listed in Rulemaking Actions, and electronic copy of rules. ARC 940-2005

STATEMENT OF NEED AND JUSTIFICATION

A Certificate and Order for Filing Temporary Administrative Rules accompanies this form.

Department of Consumer and Business Services, Building Codes Division
Agency and Division

918
Administrative Rules Chapter Number

In the Matter of: Adopting 918-311-0065

Rule Caption: (Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.)
Establishes permitting and inspection procedures for electric vehicle charging stations.

Statutory Authority: ORS 455.065

Other Authority:

Stats. Implemented: ORS 455.065

Need for the Temporary Rule(s):

A time sensitive pilot program to install electric car charging stations in various Willamette Valley locations cannot go forward without this rule. Portland boasts the highest number of hybrid owners per capita in the U.S. The rule enables the division to meet the increasing need of electric and hybrid vehicle owners in Oregon for convenient plug-in options in the state. The rule addresses the emerging electrical technology involved in the implementation of the pilot project. The pilot project is a result of the governor's agenda addressing climate control, sustainability, and positioning Oregon in the new "green" economy. Because the Oregon Electrical Specialty Code (OESC) does not adequately address the emerging technology necessary to implement this pilot project, these rules are necessary to allow the extremely time sensitive project to go forward while still protecting the safety of Oregonians.

Documents Relied Upon, and where they are available: Temporary rule and supporting documents are available from the division's rules coordinator located at 1535 Edgewater Street NW, Salem, OR 97304 and are available on the division's Web site: www.bcd.oregon.gov .

Justification of Temporary Rule(s):

The division finds that failure to enact these rules will seriously prejudice the pilot project to install electric vehicle charging stations in the Willamette Valley. The rule provides standardized installation requirements, permitting, and inspection standards, addressing the barriers to new technology presented by the OESC. An immediate rule is necessary to provide guidelines for the industry allowing the time sensitive project to move forward.

Mark Long

Authorized Signer

Printed name

Date

Electrical Vehicle Charging Station
Temporary Rule Effective: 9-26-08

918-311-0065

Electric Vehicle Charging Station Statewide Permit and Inspection Protocol

(1) 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.

(2) 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.

(3) 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.

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

(5) 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.

(6) 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.

Stat. Auth: ORS 455.065

Stat. Implemented: ORS 455.065

Hist: New