



Oregon

Kate Brown, Governor

Department of Consumer and Business Services

Building Codes Division

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Electrical and Elevator Board

Additional meeting agenda to include **executive session**

Wednesday, August 24, 2016, 9:30 a.m.

Conference Room A

Board meetings are broadcast live via the Internet at

<http://www.oregon.gov/bcd>

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I. Board business

- A. Call to order
- B. Roll call
- C. Approval of agenda and order of business
- D. Date of the next regularly scheduled meeting: September 22, 2016

II. Reports

Litigation update for City of Turner

(Break to clear audience from room for executive session)

III. Executive session

Executive session to consult with counsel on legal advice for the board to consider records that are exempt from public inspection under Public Records Law [ORS 192.660\(2\)\(f\)](#)

(Break to allow audience back in room to be seated)

IV. New business

Board review and provide a recommendation to the Administrator for consideration of [proposed code changes](#) to amend temporary service requirements

V. Adjournment

Issues to remember when addressing the board:

- All public participation is subject to the discretion of the board chair for order of testimony, length and relevance.
- Speakers are generally limited to five minutes.
- Please register on the attendance registration form and on the public testimony registration form, listing the appropriate agenda item.
- The board chair will call you to the front testimony table.
- Please state your name and the organization you represent (if any).

- Always address your comments through the chair.
- If written material is included, please provide 20 three-hole-punched copies of all information to the boards administrator prior to the start of the meeting and, when possible, [staff](#) respectfully requests an electronic copy of materials 24 hours prior to the meeting.

Interpreter services or auxiliary aids for persons with disabilities are available upon advance request. Persons making presentations including the use of video, DVD, PowerPoint, or overhead projection equipment are asked to contact boards coordinator 24 hours prior to the meeting. For assistance, please contact [Debi Barnes-Woods](#) at 503-378-6787.

Please do not park vehicles with "E" plates in "customer only" spaces.

Note: For information regarding re-appointments or board vacancies, please visit the Governor's [website](#).

Agenda Item IV.

State of Oregon

Board memo

Building Codes Division

August 24, 2016

To: The Electrical and Elevator Board

From: Keith Anderson, Electrical Program Chief

Subject: Proposed amendments to the Oregon Electrical Specialty Code (OESC)

Action requested:

Consideration of proposed amendments to the OESC.

Background:

Oregon Electrical Specialty Code (OESC) §110.10 requires that Overcurrent Protection Device (OCPD) ratings and equipment Short Circuit Current Ratings (SCCR) are sized to clear a fault without extensive damage to the equipment. In order to size the equipment for AIC (Amps Interrupting Capacity) correctly, the installer must know the Available Fault Current (AFC) at the transformer, which is normally provided by the utility. OESC §110.24(A) requires that service equipment be labeled to allow easy comparison of the equipment SCCR to the AIC.

At its July 28, 2016, meeting, the Electrical and Elevator Board (board) heard testimony from an electrical contractor who explained that some utilities fail to provide timely AFC information which delays the energizing of temporary services. This delay then extends the completion of construction projects significantly.

The primary goal of ensuring equipment is adequately rated for AIC is to ensure minimal damage to that equipment in the event of a fault. The risk of inadequately-rated service equipment to building occupants is minimal, and dramatically reduced in the case of a temporary service. Because the current code combined with utility practices is creating delays in pursuit of equipment safety, rather than personal safety, the division proposes amending the OESC to allow temporary services to be energized without demonstrating compliance with OESC §§110.10 and 110.24(A).

Options:

- Recommend the division proceed to rulemaking with proposed amendments to the OESC
- Amend the proposed amendments to the OESC and recommend the division proceed to rulemaking
- Take no action on the proposed amendments to the OESC.

**Electrical and Elevator Board
Temporary service exemption
Oregon Electrical Specialty Code
August 24, 2016**

Proposed Code Changes

Text denotation:

Bold/underline denotes new text,
~~strikethrough~~ denotes deleted text.

OAR 918-305 Table 1-E

<p>OESC 110.10</p> <p>(Exception)</p>	<p>110.10 Circuit Impedance, Short-Circuit Current Ratings, and other Characteristics. The overcurrent protection devices, the total impedance, the equipment short-circuit current ratings, and other characteristics of the circuit to be protected shall be selected and coordinated to permit the circuit protective devices used to clear a fault to do so without extensive damage to the electrical equipment of the circuit. This fault shall be assumed to be either between two or more of the circuit conductors or between any circuit conductor and the equipment grounding conductor(s) permitted in 250.118. Listed equipment applied in accordance with their listing shall be considered to meet the requirements of this section.</p> <p><u>Exception: A temporary service may be energized without demonstrating compliance with this section. This exception is applied at the discretion of the supervising electrician.</u></p>
<p>OESC 110.24(A)</p> <p>(Exception)</p>	<p>110.24(A) Field Marking. Service equipment in other than dwelling units shall be legibly marked in the field with the maximum available fault current. The field marking(s) shall include the date the fault-current calculation was performed and be of sufficient durability to withstand the environment involved.</p> <p><u>Exception: A temporary service may be energized without demonstrating compliance with this section. This exception is applied at the discretion of the supervising electrician.</u></p>