



# Oregon

Theodore R. Kulongoski, Governor

## Department of Consumer and Business Services

### Building Codes Division

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July 22, 2010

### *Oregon Solar Energy Code Committee*

*May 17, 2010*

### **Meeting Summary**

**\*\*NOTE:** *The following is a summary of the committee's discussion.*

*To review the meeting in its entirety, the archived video of the meeting is available on the committee's Web site at the following link: <http://www.bcd.oregon.gov/committees/10sec.html>*

**Members Present:** Brian Crise, International Brotherhood of Electrical Workers (IBEW), Local 48  
Nathan Philips, National Electrical Contractors Association (NECA)  
Dave Mumford, Lear Electric  
Robert Rice, Oregon Building Officials Association (OBOA) **and** Josephine County Building, Official  
Marcus Reed, State Fire Marshal  
Jaimes Valdez, City of Portland – BPS/BDS  
Jerry Henderson, Independent Contractor for Department Of Energy (DOE) **and** Energy Trust of Oregon (ETO)

**Members Absent:** Robert Lane, Three Phase Electric  
Doug Aljets, Electrical and Elevator Board **and** Solar Installer for NW Current Energy, LLC  
Robin Rabiuff, Oregon Solar Energy Industries Association (OSEIA) and EC Company

**Guests Present:** Jeff Fitzloff, Underwriters Laboratories, Inc. (UL)  
Kyle Kobel, Tanner Creek Energy  
Bryan Shull, REC Solar  
Tom Baumann, International Brotherhood of Electrical Workers (IBEW)  
Greg Creal, Central Electrical Training Center  
Mark Pengilly, Oregonians for Renewable Energy Policy (OREP)  
Kim Berhorst, National Solar

**Staff Present:** Chris Huntington, Policy and Technical Services Manager  
Dennis Clements, Electrical Program Chief  
Aeron Teverbaugh, Policy Analyst  
Gabrielle Schiffer, Sustainability Coordinator  
John Powell, Facilitator  
Debi Woods, Boards Coordinator  
Dana Fischer, Building Code Para-Technical

## **Introductions**

John Powell called the meeting to order at 1:37 p.m. Mr. Powell explained that the goal today is to complete review of the documents, at least in theory, so that the code can be moved on to the Board review and Public Hearing process. There will be more time at the board meeting and public hearing to provide additional testimony.

Aeron Teverbaugh stated that public testimony today will be limited to “two” minutes to ensure the committee can complete review of their work today.

## **Chapter 2 Definitions**

The committee discussed the definitions as listed in the document “[Chapter 2 Definitions](#)”, checking to make sure some of the definitions line up with model code.

**Motion** to approve as amended, Chapter 2 Definitions.

*Motion approved unanimously.*

## **Chapter 3 Installation Requirements**

### **Section 304.7**

The committee discussed and agreed to add “The specific” to the beginning of the second sentence.

**Motion** to approve as amended, Section 304.7.

*Motion approved unanimously.*

### **Section 304.9.5**

The committee discussed the amended language.

**Motion** to approve as amended, Section 304.9.5.

*Motion approved unanimously.*

### **Section 305.3.1 Building Penetrations**

The committee discussed the amended language and agreed to modify subsection 3, splitting the first sentence *into two* after the word “means”.

**Motion** to approve as amended, Section 305.3.1.

*Motion approved unanimously.*

### **Section 305.4 Prescriptive Installations**

The committee discussed the amended language. Section 1 was amended by adding “in exposure C” after 100 MPH and “exposures A or” after 110 MPH. The exception was amended by renumbering the sections from “1.1, 1.2 and 1.3” to “1, 2, and 3”.

**Motion** to approve as amended, Section 305.4.

*Motion approve unanimously.*

### **Section 304.9**

The committee was asked at the previous meeting to re-consider the language by adding a definition for “sloped roof” and provisions from ORSC concerning easements.

**Motion** to re-open Section 304.9 for discussion.

*Motion approved.*

The committee discussed implications of adding the proposed provisions submitted by Johnathan Balkema, Oregon Home Builders Association, to the section.

*Jerry Henderson arrived at 2:20 p.m.*

**Motion** to approve as amended, Section 305.4 by adding a provision for “townhouses”. The committee modified the language of the proposed language striking out portions referring to maintenance that were inapplicable.

*Motion approve unanimously.*

## **Chapter 2 Definitions**

The committee discussed adding a definition for “sloped roof” submitted by Johnathan Balkema, Oregon Home Builders Association at the previous meeting.

**Motion** to approve as amended, Chapter 2 Definitions by adding a definition for “townhouses”.

*Motion approve unanimously.*

## **Section 304.9.1 General Pathway Requirements**

The committee discussed and agreed to modify the language.

### **Section 304.9.4.2**

The committee discussed and agreed to modify the language by deleting “sloped” and adding “with a slope that exceeds 2:12”.

**Motion** to approve as amended, Section 304.9.4.2

*Motion approve unanimously.*

## **Section 690.14**

The committee discussed the section.

**Motion** to approve as amended, Chapter 4, Section 690.14.

*Motion approve unanimously.*

## **Chapter 1 Administration**

The committee opened Chapter 1 Administration for discussion.

### **Section 109 Board of Appeals**

**Motion** to approve Section 109.

*Motion approved unanimously.*

### **Section 108 Inspections**

The committee discussed the section pertaining to the electrodes and using the “pole” as the grounding piece.

**Motion** to approve in concept, directing BCD staff to amend Section 108.3.3 to include the inspection of different types of grounding electrodes.

*Motion approved unanimously.*

## **Section 106 Temporary Structures and Uses**

### **106.2 Conformance**

**Motion** to approve as amended Section 106.2 by deleting “as necessary to ensure public health, safety and general welfare”.

The committee continued to discuss the section and how it should be written.

*Motion withdrawn.*

**Motion** to approve Section 106.2 as originally written.

*Motion approved unanimously.*

## **Section 103 Duties and Powers of the Building Official**

### **Section 103.2**

The committee agreed to minor grammatical modifications to the language in the section. The committee added a “,” after construction documents, deleted the “and” after the same. The committee added a “,” after “requirements” and “issued”.

**Motion** to approve as modified Section 103.2.

*Motion approve unanimously.*

## **Section 101 General**

The committee briefly discussed the section.

**Motion** to approve section 101 General.

*Motion approved unanimously.*

## **Section 102 Applicability**

The committee provided no discussion.

**Motion** to approve section 101 General.

*Motion approved unanimously.*

## **Section 104 Permits**

The committee briefly discussed the section.

The committee modified Section “104.1 Required” by deleting the word “demolish” and modified Section “104.2 Work exempt from permit” by adding the word “testing” to “Temporary testing systems”.

**Motion** to approve as amended section 104 Permits.

*Motion approved unanimously.*

## **Section 105 Submittal Documents**

### **105.1 General**

The committee briefly discussed the “Exceptions” in this section. Robert Rice suggested including the language “applicant has demonstrated on a form approved by the division that they have met the requirements of 304.9 [Fire Fighter Access] and 305.4 [Prescriptive Path] found in “Exception 3” in Exception “105.2 Construction documents” as well as deleting “other than as provided for in 105.1(B)”.

### **105.3.3 Phased approval**

The committee agreed to amend the language by deleting “foundations or any other part of a building or structure”, adding “PV support systems”, deleting “building or structure”, adding “PV installation”, deleting “foundation or other parts of a building or structure”, adding “PV support systems”, deleting “structure”, and adding “PV System”.

**Motion** to approve as amended Section 105 Submittal Documents. Motion includes directive for BCD to clean up the document with “housekeeping” for consistency.

*Motion approved unanimously.*

### **Section 107 Fees**

The committee reviewed a handout explaining the “consistent form and fee methodology” rules adopted by the division and briefly discussed them.

### **107.4 Work commencing before permit issuance**

The committee agreed to modify the section by deleting a “,” after “...any work on a” and deleting “installation or a PV support structure”.

**Motion** to approve as amended, Section 107 Fees.

*Motion approved unanimously.*

### **Wrap up**

Chris Huntington, Manager Policy and Technical Services Managers took a few minutes to thank the committee for their input, expertise and the work on subcommittees. He thanked John Powell for his leadership as Facilitator, the public for their input and suggestions, staff members Dennis Clements and Aeron Teverbaugh for their guidance and support.

### **Adjourn**

The meeting adjourned at 3:55 p.m.