Residential & Manufactured Structures Board

Meeting agenda

Meeting date: February 18, 2026
Time: 9:30 a.m.
Location: This meeting will be hybrid meeting and will be live-streamed online.
Virtual connection and online streaming: View the live meeting or access the connection information for the Zoom meeting at: Oregon.gov/bcd/Pages/bcd-video.aspx

I. Board business

A. Call to order
B. Roll call
C. Approval of agenda and order of business
D. Approval of the draft board meeting minutes of January 7, 2026
E. Date of the next scheduled meeting: April 1, 2026

II. Public comment

The board will hear public testimony, including testimony from individuals who have signed up in advance. Public Comment will be heard by in-person or virtual attendance or written testimony only.

III. Reports and updates

A. Residential program update
B. Energy program update

IV. Communications

Public Testimony presentation by North American Electric Reliability Corporation (NERC)

V. Appeals

There are no appeals for this meeting.

VI. Unfinished business

There is no unfinished business at this time.

VII. New business

A. Board review and approval of the 2026 Oregon Residential Specialty Code; Chapter 11 Energy Provisions

VIII. Announcements

The Board Chair or board members can make announcements during this time.

IX. Adjournment

Board meetings are generally adjourned by the Board Chair.

Interpreter services or auxiliary aids for persons with disabilities are available upon advanced request. For assistance, please contact Kaydi Milton or 503-428-4169.

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State of Oregon

Agenda Item I.D.

Residential and Manufactured Structures Board

Meeting minutes
January 7, 2026

Members present: Michael Riddle, remodeler/residential structural contractor
Eric Zechenelly, seller/distributor of new manufactured dwellings
Abraham Kelso, home designer/architect
Emily Kemper, public member
Matthew Lutter, utility/energy supplier
Chris Wong, structural engineer
Sean Blaire, building official
Rich Fry, residential structural contractor
James Austin, manufacturer of manufactured dwellings

Members absent: Jason Sawyers, multi-family contractor
Vacant, residential building trade contractor

Staff: Anthony Rocco, structural program chief, Housing and Building Safety Section manager (HABS)
Mark Heizer, mechanical and energy system engineer, Policy and Technical Services (PTS)
Jeremy Williams, structural program engineer, HABS
Andy Boulton, acting manager, PTS
Debi Barnes-Woods, boards coordinator/administrator, PTS
Kelly Thomas, energy policy analyst, PTS
Eric McMullen, structural program assistant chief, HABS
Pierre Sabagh, policy analyst, PTS
Kaydi Milton, policy development coordinator, PTS

Guests: Jason Johannesen, Benton County Building Official
Elizabeth Torske, CNG
Jody Orrison, City of Portland
Zachary Sielicky, NW Natural
Kelly Dundon, NWN
Rebai Tamerhoulet, Self
Rose Herrera, ODHS
Don MacOdrum, Self

I. Board business

A. Call to order

The Residential and Manufactured Structures Board meeting was called to order at

9:30 a.m. by Chair Rich Fry.

B. Roll call
Eight members of the board were connected through ZOOM. One member was in-person. One member were absent. The board has one vacant position.

C. Approval of agenda and order of business
Chair Rich Fry ruled the agenda and order of business approved as published.

D. Approval of the draft board meeting minutes
Chair Rich Fry ruled the draft meeting minutes of October 1, 2025, final.

E. Date of the next scheduled meeting
February 18, 2026.

II. Public comment- None

III. Reports and Updates

A. Structural program update

Tony Rocco, structural program chief and Housing and Building Safety Section Manager, stated the division has recently gone through some leadership changes with our prior administrator, Alana Cox has moved over to the DCBS Director's Office as the Deputy Director on rotation. Our division has Todd Smith now as our interim administrator, he has been with division for over 11 years and has served in a number of senior and management roles. With Todd leaving our Policy and Technical Services Section, Andy Boulton, has filled in behind Todd. Andy has served as our senior policy advisor. Recently, on the Oregon Residential Specialty Code (ORSC) side, the small home specialty code officially sunset on January 1st and that portion of statute changed. Those 2023 ORSC code amendments that were before this board previously in last year's cycle now become effective. This is dealing with sleeping lofts and ladders and alternating tread devices to access those sleeping lofts. Those interim amendments became effective on January 1st. Those are available to download on our residential structures code program webpage. On the Oregon Structural Specialty Code (OSSC) this board here maintains purview over low-rise apartments. The division has recently completed the required statewide code training for the new 2025 OSSC. This training is required for all A level inspectors, plan examiners, and building officials throughout the state. Certified folks will be receiving related updates for accessing the training in the near future, from our Training and Outreach Program. The training is online and hosted now through Vimeo and it's free to access. Lastly, the two technical review committees completed their work throughout this past fall. There were five meetings for the structural, fire and life safety, and mechanical review group that required a lot of time and dedication from the committee members, the division couldn't promulgate the code without their time, input and expertise. He wanted to say thank you to all of the committee members and also to our internal team, our technical members, the division couldn't have made it through the process without their work.

B. Energy Program Update

Mark Heizer, mechanical and energy system engineer, stated similar to Tony's update the code committee for the ORSC for the energy provisions has been completed as well. At the upcoming board meeting in February the division will go over those provisions with this board. There is potential rule changes going on at the federal level that will likely allow the use of R-410A equipment with refrigerants. The code does not prohibit the installation of stock equipment. Some of these Federal rule changes are being done to continue to allow that under the Environmental Protection Agency (EPA) licenses.

IV. Communications- None

V. Appeals – None

VI. Unfinished business – None

VII. New business

A. Statewide Alternate Method (SAM No. 26-01) 2023 ORSC: Continues Reference to the 2022 OSSC for Nonprescriptive Design

Pierre Sabagh, policy analyst, introduced the item and stated this agenda item is to review and make a recommendation regarding the technical and scientific facts of Statewide Alternate Method (SAM) No. 26-01. This SAM is regarding the 2023 ORSC continued reference to the 2022 OSSC for nonprescriptive design. Using the structural design provisions from the OSSC for nonprescriptive design of portions of structures governed by the ORSC is a well-established practice. A substantive change occurred between the 2022 OSSC and 2025 using the OSSC for nonprescriptive snow load design, this Statewide Alternate Method permits continued use of the 2022 OSSC throughout the effective period of the 2023 ORSC.

Tony Rocco, structural program chief and Housing and Building Safety Section Manager, added more clarification about the SAM. He stated that when the 2023 ORSC was adopted, it wasn't anticipated that this snow load change was made for the provisions of the 2023 ORSC applications. When you're looking at the 2023 ORSC, you're allowed to use design provisions of the building code, which is defined as our OSSC and the division wanted to allow continued use of this at the customer's pleasure of the 2022 OSSC so there is no need to jump forward to the 2025 OSSC iteration. This SAM will only be operative for a twelve month period. The SAM becomes moot on April 1st, 2027 because the 2025 OSSC becomes mandatory starting on April 1st of this year which then brings the 2026 ORSC mandatorily effective April 1st of next year, 2027.

Board Member Sean Blaire asked if the design criteria hub has been affected by this at all or does it only reference previous data?

Tony Rocco, structural program chief and Housing and Building Safety Section Manager, responded by stating that the design criteria hub has tabs now where you can either select the 2022 OSSC dataset or select the 2025 OSSC dataset in fully separate layers in the

GIS system.

Motion by Member Chris Wong to approve the technical and scientific facts of the proposed statewide alternate method.

Roll call vote taken.
Aye: Matthew Lutter, Sean Blaire, Emily Kemper, Chris Wong, Vice Chair Abraham Kelso, James Austin, Michael Riddle, Chair Rich Fry.
Nay: None.
Motion carried.

B. Board review and approval of the 2026 Oregon Residential Specialty Code (ORSC); Structural, Fire Life and Safety, & Mechanical Provisions

Pierre Sabagh, policy analyst, introduced the item and stated this agenda item is to review and approve the code review committee's recommendations for the structural, fire and life safety, and mechanical provisions of the 2026 ORSC. Oregon Revised Statue 455.610 requires the division, with the approval of the board, to adopt, and amend as necessary, a low-rise residential dwelling code "that contains all the requirements, including structural design provisions, related to the construction of residential dwellings three stories or fewer above grade." The low-rise code is known as the Oregon Residential Specialty Code (ORSC). With the approval of the board, the division intends to complete rulemaking and for the 2026 ORSC to be effective on October 1, 2026.

At the August 5, 2025, meeting, this board appointed two code review committees to provide a recommendation for the 2026 ORSC that the board could review and forward to the division for rulemaking and adoption. The review committee that focused on the majority of the code met five times between October 5, 2025 and November 17, 2025, to review potential code changes.

The division created a review committee "matrix" to serve as a road map for the significant model code changes, as identified in the 2024-edition of the Significant Changes to the International Residential Code, the existing substantive Oregon amendments, division code amendment proposals, and public code amendment proposals. The review committee and division staff used this matrix during the code review committee meetings to track the committee's recommendations to the board. The committee evaluated the fiscal impacts of the proposed code changes. The division welcomes any additional information regarding potential cost impacts for any of the proposed changes.

Motion by Member Michael Riddle to approve the review committee's recommendations for the structural, fire and life safety, and mechanical provisions of the 2026 ORSC as reflected in the matrix and forward to the administrator for rulemaking and subsequent adoption, with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.

Roll call vote taken.
Aye: Matthew Lutter, Sean Blaire, Eric Zechenelly, Chris Wong, Vice Chair Abraham Kelso, James Austin, Michael Riddle, Chair Rich Fry.
Nay: None.
Motion carried unanimously.

VIII. Announcements- None

IX. Adjournment

Chair Rich Fry adjourned the meeting at 10:40 a.m.
Respectfully transcribed and submitted by Kaydi Milton, policy development coordinator.

Agenda Item VII.A

State of Oregon **Board memo**

Building Codes Division **February 18, 2026**

To: Residential and Manufactured Structures Board

From: Pierre Sabagh, policy analyst, Policy and Technical Services

Subject: 2026 Oregon Residential Specialty Code, Chapter 11 Energy Efficiency Provisions

Action requested:
Board review and approve the code review committee's recommended energy efficiency provisions of Chapter 11 of the 2026 Oregon Residential Specialty Code.

Background:
Oregon Revised Statute 455.610 requires the division, with the approval of the board, to adopt, and amend as necessary, a low-rise residential dwelling code "that contains all the requirements, including structural design provisions, related to the construction of residential dwellings three stories or fewer above grade." The low-rise code is known as the Oregon Residential Specialty Code (ORSC) and is comprised of structural, mechanical, plumbing, electrical, and low-rise apartment provisions. With the approval of the board, the division intends to complete rulemaking and for the 2026 ORSC to be effective on October 1, 2026.

Division staff has completed an analysis of the of the 2024 International Residential Code® (IRC) changes, existing Oregon code amendments, statewide interpretations, alternate method rulings, and public code amendment proposals. At the August 5, 2025, Residential and Manufactured Structures Board meeting, the board appointed two code review committees to provide a recommendation for the 2026 ORSC that the board could review and forward to the division for rulemaking and adoption. One committee would focus on the majority of the code, which includes the structural design, fire and life safety provisions, and the mechanical requirements, while the second committee focused solely on the energy efficiency provisions of Chapter 11. The committee focusing on the energy efficiency provisions met four times between October 22, 2025 and December 15, 2025 to review potential code changes.

The division created a matrix listing all the significant changes, which include the existing substantive Oregon amendments, division code amendment proposals, BCD proposals, and public code amendment proposals. The committee and division staff used this matrix during the code review committee meetings

to track the committee's recommendations to the board. The committee evaluated the fiscal impacts of the proposed code changes. The potential fiscal impacts were discussed during the code review committee's proposal review, and potential fiscal impacts that the code review committee mentioned are outlined in the matrix. The division is interested in any additional information regarding potential cost impacts from the proposed changes.

The board packet includes a copy of the matrix with the committee's recommendations.

Options:

- Approve the recommended code provisions for the Chapter 11 energy efficiency provisions of the 2026 ORSC as reflected in the matrix and forward to the administrator for rulemaking and subsequent adoption, with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.
- Amend and approve the recommended code provisions for Chapter 11 energy efficiency provisions of the 2026 ORSC as reflected in the matrix and forward to the administrator for rulemaking and subsequent adoption, with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.
- Disapprove the recommended code provisions for the Chapter 11 energy efficiency provisions of the 2026 ORSC as reflected in the matrix, which would continue use the energy efficiency provisions from the 2023 ORSC.

Summary of Draft 2026 ORSC - Section N1105.8 Heat Pump

Section N1105.8, Heat pump for split-system air-conditioning, is a new provision proposed in the draft 2026 Oregon Residential Specialty Code (ORSC). The language is included below and is comprised of the RMSB Residential Energy Code Review Committee recommended language and editorial revisions to align the section with committee requested updates to the scoping language of Chapter 11.

New code language:

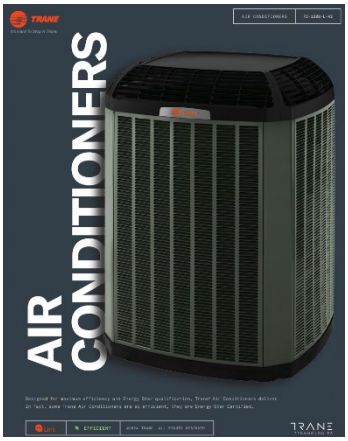
> **N1105.8 Heat pump for split-system air-conditioning.** In new *dwellings* where split-system air-conditioning is installed, the outdoor condensing unit and indoor evaporator coil shall have heat pump operation that provides both heating and cooling. Heat pump operation for heating shall be *first stage heating*. The heat source sized for the *dwelling* design-day heating load provides heating where *first stage heating* cannot maintain the minimum required space temperature.
>
> **Exception:** New *dwellings* that comply with Section N1102.3.1, Item 3, or Section N1102.3.2, Item 3.

For the exception:

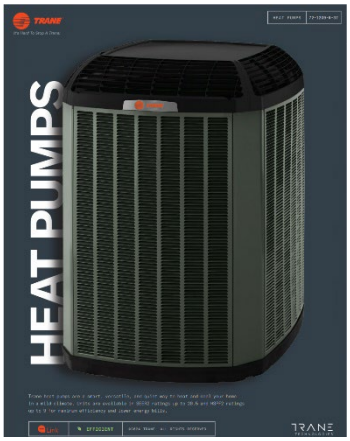
- Section N1102.3.1, Item 3 refers to new dwellings more than 1,500 square feet that complies with the prescriptive method requirements in Table N1102.3(1) and four additional measures.
- Section N1102.3.2, Item 3 refers to new dwellings not more than 1,500 square feet that complies with the prescriptive compliance path requirements in Table N1102.3(1) and three additional measures.

What Section N1105.8 requires when using the ORSC prescriptive compliance path

When a new home is furnished with split-system cooling, the system must be a heat pump that can provide *both* cooling *and* the first stage of heating.



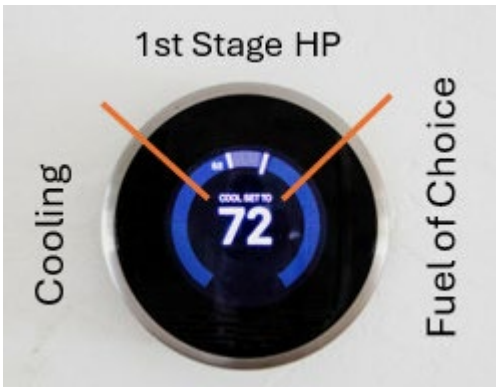
Cooling-only outdoor unit



Heat pump outdoor unit

The heat pump supplements the heating system, regardless of fuel type used by the central furnace. When combined with a gas furnace, this system is also known as a hybrid system. The outdoor condensing unit has minor differences in piping and controls.

- When the home needs heating, the first stage of heating is provided by the heat pump. Then, at an optimum set-point temperature, central heating is provided by the fuel of choice.
- The outdoor unit is sized for the home cooling load, which sets the heating capacity of the heat pump unit.



What Section N1105.8 does NOT do:

- Does not dictate the heating system fuel for the home. The heating system required to comply with the heating requirements in Section R325.8 may remain electric resistance, natural gas, propane, biofuel, or other fuel.
- Does not require heat pumps for existing HVAC systems. Section N1105.8 is for new dwellings only and does not apply to the replacement (alteration) of an existing cooling system.
- Does not require re-sizing the air-conditioning system cooling capacity when a heat pump is used. The desired cooling capacity of the heat pump dictates the heat pump's heating output as the first stage of heating.
- Does not prohibit the installation of a cooling-only system without first-stage heat pump operation.

Potential alternative pathways for compliance with N1105.8 prescriptive compliance

There are *five* alternative pathways in the draft 2026 ORSC:

- **Section N1102.3**. Provides a prescriptive option where two additional energy measures may be selected in order to provide *equivalent energy cost savings* in lieu of providing a first-stage heat pump. (This option was added at the request of the RMSB Energy Code Review Committee.)
- **Section N1109 Energy Rating Index (ERI) compliance**.
- **New Section N1110 Simulated Building Performance**. Provides three energy modeling pathways comparing performance of a baseline home to a proposed home. These three pathways are:
    1. Energy cost, or
    2. Site energy usage, or
    3. Source energy usage

Questions?

If you have questions, please contact the Building Codes Division at 503-903-3427.

2026 Oregon Residential Specialty Code (ORSC)
Code review matrix

Energy Efficiency, Chapter 11

This matrix is intended to capture the code review committee's recommendations and discussions.

OR A = Existing Oregon amendment **BCD =** Building Codes Division proposal Pink language = Committee comments
PP = Public code amendment proposal * Green language = Fiscal impact has been assessed

Voting: Where votes are noted they will appear in the following order: (Yes - No - Abstain)

	Section	Topic and change description		Outcomes
1	**N1101.1**	**General, Scope.** **BCD:** Add clarifying language requiring *Residential buildings* to comply with Section N1101.1.1 for the Prescriptive compliance option, Section N1109 for the Energy Rating Index (ERI) compliance options, or Section N1110 for the Simulated building performance compliance option.		**Approve**
2	**N1102.2 (N1101.1.1)**	**Prescriptive compliance option.** **BCD:** Increase the required additional measures from one to two. *Cost increase based on measure selected.		**Approve** *Cost increase
3		**BCD:** Increase the required additional measures for new buildings using Section N1105.3, Exception 3, from two to three; and require compliance with the sealing requirements in accordance Sections N1104.8.2 and N1105.3.1.		**Approve** *Cost increase
4		**BCD:** Adopt an exception for a dwelling w/less than 1,350 ft^2 of conditioned living area permitting compliance with one additional measure instead of the required two; and where using the Section N1105.3, Exc. 3, permitting compliance with two additional measures instead of the required three for larger homes, but continue to require sealing in accordance with Sections N1104.8.2 and N1105.3.1. BCD originally proposed a definition of "small home," but after consideration has changed it to just specify the square footage rather than using a defined term.	*The committee recommends approving a "smaller home" exception with a maximum of **1500 square feet.***	**Approve as modified**
5		**PP-24:** Proposal to increase the area of conditioned living area to be considered a *small home* from the BCD proposed 1,350 ft^2 to 1,800 ft^2. (PP-24, OHBA)		
6		**PP-01:** Proposal to require large homes that are complying with the prescriptive path to achieve one more additional measure that the medium sized homes. (PP-01, NEEA)	*(Vote: 0-7-0)*	**Not approve**
7		**BCD:** Remove "that are not habitable" Revise the following: walls: R-21/~~U-0.064~~ U-0.063, heated slab interior: R-10 under entire slab and R-15 slab edge, roofs: ~~R-38~~ R-49/~~U-0.027~~ U-0.021 (*attic*), windows and glazed doors: ~~U-0.35~~ U-0.30, opaque doors: ~~U-0.70~~ U-0.20		**Approve** *Minimal increase
8	**T. N1102.3(1) (T. N1101.1(1))**	**Prescriptive envelope requirements.** **BCD:** Add "unvented roof assembly" and values. **BCD:** Add footnote m, requiring compliance with Section R806.5 for Unvented attic and unvented enclosed rafter assemblies, and that insulation must be in contact with roof sheathing. **BCD:** Add "and glazed doors" for consistency. **BCD:** Remove "R-49 insulation installed to minimum 6-inch depth at top plate at exterior of structure to achieve U-factor" from footnote f.		**Approve**
9		**PP-02:** Proposal to apply the current prescriptive U-factor requirement for opaque doors in framed residential buildings to log structures. (PP-02, RECA)		**Approve** *Cost increase

	Section	Topic and change description	Outcomes
10	T. N1102.3(2) (T. N1101.1(2))	**Additional measures.** **BCD:** In No. 1 (High-Efficiency HVAC System), change the AFUE from 94 percent to 95 percent. Clean-up: • Removing "HSPF 10.0/16.0 SEER cooling or" from No. 1 (High-Efficiency HVAC System). • Removing "HSPF 10.0 or" from No. 5 (Ductless Heat Pump).	**Approve**
11		**PP-03:** Proposal to add an additional measure for Very High-Efficiency HVAC System. (PP-03, NEEA) • Adding No. 9 (Very High-Efficiency HVAC System) and a new footnote e. *(Vote: 1-5-1)*	**Not approve**
12		**BCD:** Revise No. 6 (High-Efficiency Thermal Envelope UA) by increasing the minimum percent of the total Proposed UA of the Proposed Design less than the total standard reference design UA of the standard reference design from 8 percent to 10 percent. Removed footnote c. **BCD:** Add new footnote c clarifying that No. 6 (High-Efficiency Thermal Envelope UA) is not permitted to be combined with No. 3 (Wall Insulation Upgrade) or 4 (Advanced Envelope).	**Approve**
13		**BCD:** Add Additional Measure No. 8 (Renewable Energy) and a new footnote d.	**Approve**
14		**PP-04:** Proposal to be defined in terms of units of energy produced annually and not in terms of a measure of hardware. Add a definition for kWh. (PP-04, OSSIA)	**Not approve**
15	T. N1102.5 (T. N1101.2)	**BCD:** Add "Heated Slab" and values. **BCD:** Revise the following: • Flat ceiling ~~U-0.025~~ U-0.021 R-49 • Vaulted ceiling >10 inches nominal rafter depth ~~U-0.040~~ U-0.033 ~~R-25~~ R-30 • Vaulted ceiling ≤10 inches nominal rafter depth ~~U-0.047~~ U-0.040 ~~R-21~~ R-24 • Underfloor > 10 inches nominal joist depth ~~U-0.028~~ U-0.027 ~~R-30~~ R-38 • Underfloor ≤10 inches nominal joist depth ~~U-0.039~~ U-0.033 ~~R-25~~ R-30	**Approve** *Cost increase
16	N1102.5.1 (N1101.2.1)	**Alterations and repairs.** **BCD:** Add an exception not requiring compliance with Section N1105.8. **PP-10:** Proposal to add an exception not requiring compliance with Section N1105.8. (PP-10, NWGA)	**Approve**
17	T. N1102.6 (T. N1101.3.2)	**Small Addition Additional Measures.** **BCD:** Revise No. 3 to include defined term, "High-efficacy light sources." **BCD:** Revise No. 5 clarify "seal and performance test the entire supply and return duct system(s) serving the dwelling to not greater than 4.5 cubic feet per minute per 100 square feet of conditioned floor area." **BCD:** Revise No. 6 AFUE from 94 percent to 95 percent. **BCD:** Cleanup – Remove HSPF in 7 and 8	**Approve**
18	N1101.4	**Information on plans and specifications.** **BCD:** Move provisions to Chapter 1 of the ORSC. **PP-25:** Move provisions to Chapter 1 (R106.1.1). (PP-25, OHBA)	**Approve**
19	N1101.5	**Certificate.** **BCD:** Add requirements for a permanent certificate to be completed by the builder or other approved party and posted on a wall in the space where the furnace is located or an approved location inside the building. BCD will move the requirements to Chapter 1. **PP-26:** Move provisions to Chapter 1 (R110.3). (PP-26, OHBA)	**Approve**

	Section	Topic and change description		Outcomes
20	N1103 (N1102)	**Definitions.** Definitions will be discussed with the subject matter. **Note:** Where a word has a definition in Chapter 2 and Chapter 11, and they are different, Chapter 2 points here for the definition as it pertains to Chapter 11.		NA
21	N1103	**Alternative systems.** **BCD:** Remove sections as it is no longer necessary.		Approve
22	T. N1104.1(1)	**Residential thermal performance calculations.** **BCD:** Revise Footnote d: above-grade walls R-15/~~U-0.080~~U-0.083.		Approve
23	N1104.2	**Insulation materials.** **PP-05**: Proposal to require insulation to be installed at Grade I in accordance with ANSI/ICC/RESNET 301. (PP-05, NEEA)		Not approve
24	N1104.2.1	**Insulation clearance restriction.** **BCD:** Specify “clear” headroom, move definition of “clear headroom” to the definitions.		Approve
25	N1104.2.2	**Depth markers.** **BCD:** Adopt requirements for depth markers for blown-in or sprayed fiberglass and cellulose roof and ceiling insulation.	*(Vote: 4-2-1)*	Approve
26		**PP-27**: Proposal to not adopt provisions requiring depth markers for blown-in or sprayed fiberglass and cellulose roof and ceiling insulation. (PP-27, OHBA)	*(Vote: 2-4-1)*	Not approve
26	N1104.2.9	**Attic hatches, vertical doors and pull-down stairs to unconditioned spaces.** **BCD**: Adopt provisions for access hatches from conditioned to unconditioned spaces such as attics and crawl spaces to be insulated to the same R-value required by Table N1101.1(1) for the ceiling in which they are installed, to be weather-stripped, etc.		Approve
27	N1104.3	**Exterior doors.** **BCD:** Remove “When calculating the energy performance of the exterior envelope, the area of doors shall be the actual unit size.”		Approve
28	N1104.8.2	**Sealing required.** **BCD:** Add that new buildings using Section N1105.3, Exception 3, be tested to demonstrate a blower door result not greater than 3.25 ACH50.	*(Vote: 4-3-0)*	Approve
29		**PP-06:** Proposal to require envelope leakage testing for all new homes with a result not greater than 3.0 ACH50. (PP-06, RECA)	*(Vote: 1-6-0)*	Not approve
30		**PP-07:** Proposal to require blower door and duct leakage testing for all new residential buildings that use gas or electric resistance systems for primary space. (PP-07, ZERO)	*(Vote: 1-6-0)*	Not approve
31		**PP-23:** Proposal to exempt the smaller home from the requirements of Sections N1104.8.2. (PP-23, OHBA)	*(Vote: 2-5-0)*	Not approve
32		**PP-28:** Proposal to exempt the smaller home from the requirements of Sections N1104.8.2. (PP-28, OHBA)		
33	T. N1104.8	**Air barrier installation and air sealing requirements.** **BCD:** Removes “between wall cavities and windows or door frames” from “walls.”		Approve
34	N1105.2	**Insulation of ducts.** **BCD:** Revise language for clarification.		Approve

	Section	Topic and change description		Outcomes
35	N1105.3	**Installation of ducts and air handling equipment.** **BCD:** Revise to require duct testing and establish duct leakage limitations. And Increase the required additional measures where using exception 3 from two to three. Require compliance with Section N1105.3.1 regarding leakage testing and one of three options in Section N1105.3.2, N1105.3.3 or N1105.3.4.	*(Vote: 6-0-1)*	**Approve** *Cost increase
36		**PP-30:** Proposal to add an exception for small homes. (PP-30, OHBA)	*(Vote: 3-4-0)*	**Not approve**
37	N1105.4.1.2	**Smart thermostat.** **BCD:** Revise exception to include qualifier of approval by building official and replaces “capacity of less than 5.3 kilowatts” with “that uses variable speed compressors where the manufacturer’s thermostat is required.”		**Approve**
38	N1105.4.1.3	**Heat pump controls.** **BCD:** Revise to require that heat pumps having supplementary electric-resistance heat, fuel gas or liquid fuel heating systems have controls that are configured to prevent supplemental heat operation when the capacity of the heat pump compressor can meet the heating load, etc.		**Approve**
39	N1105.6	**Ventilation fan efficiency.** **BCD:** Revise to require bathroom exhaust fans and whole-house ventilation fans to comply with Table N1105.6 rather than specifying EnergyStar certified. Deletes previous Section N1105.7 regarding furnace fan efficiency. **BCD:** Add New Table N1105.6 with the fan efficacy values for each type of system.		**Approve**
40		**PP-08:** Proposal to add prescriptive path requirements for heat or energy recovery ventilators. (PP-08, HVI) Proposal revises Section N1105.6 to specify “at one or more listed rating points” for the fan requirements and sets the minimum efficacy of HRVs and ERVs to 1.7 cfm/watt. The proposal includes alignment changes in Table N1101.1(2) additional measure no. 7.		**Approve**
		PP-08: Proposal to add prescriptive path requirements for heat or energy recovery ventilators. Proposal adds two options for a new section requiring heat recovery or energy recovery with a sensible recovery efficiency (SRE), determined from a listed value or from interpolation of listed values, of not less than 67 percent at 32°F (0°C) at an airflow greater than or equal to the design airflow for whole-house mechanical ventilation systems. Option 1 includes the base requirement alone, and Option 2 includes the base requirement with an exception for “smaller homes.” The proposal also includes alignment revisions in Table N1110.5.2(1).	*(Vote: Option one: 2-5-0 Option two: 3-3-1)*	**Not approve**
		PP-08: Proposal changes the minimum sensible heat recovery efficiency for additional measure no. 7 in Table N1101.1(2) from not less than 66 percent to not less than 75 percent.		**Withdrawn**
41	N1105.7	**Central fan integrated supply (CFIS) systems.** **BCD:** Add section prohibiting the use of an HVAC system to provide whole-house ventilation.		**Approve**
42	N1105.8	**Heat pump for split-system air-conditioning.** **BCD:** Add new section stating that in new *dwellings* where split-system air-conditioning is installed, the outdoor condensing unit and indoor evaporator coil shall have heat pump operation that provides both heating and cooling. *900 - $1300 cost increase	*(Vote: 5-2-0)*	**Approve** *Cost increase
43		**PP-09:** Proposal to not adopt the new Section N1105.8. (PP-09, NWGA)	*(Vote: 2-5-0)*	**Not approve**
44		**PP-11:** Add an exception to the new section N1105.8. (PP-11, NWGA)	*(Vote: 3-4-0)*	**Not approve**
*		**BCD:** Add an exception to the first-stage heat pump provision where four measures are selected for compliance.	*(Vote: 5-1-0)*	**Approve**

	Section	Topic and change description		Outcomes
45	N1107.2	**High-efficiency interior lighting**. **BCD:** Remove the exception.		**Approve**
46	N1107.3	**High-efficiency exterior lighting.** **BCD:** Remove the exception. No longer necessary,		**Approve**
47	N1107.4	**Lighting controls. (Occupancy sensors.)** **BCD:** Add provisions requiring occupancy sensors and requirements depending on location. (*$100)	*The committee recommends approving the BCD proposed language as modified by removing unnecessary language.* *(Vote: 4-3-0)*	**Approve as modified** *Cost increase
48		**PP-29:** Adopt an exception for small homes. (PP-29, OHBA)	*(Vote: 4-3-0)*	**Not approve**
49	N1109	**Energy Rating Index (ERI) Compliance.** **BCD:** Add definitions for “Energy Rating Index (ERI),” “ERI Reference Design,” and “Rated Design.” **BCD:** Revise with clarifying edits and some alignment with the IECC. **BCD:** Increase the Energy Rating Index to 53 for Climate 4C and to 54 for Climate 5B.		**Approve**
50		**PP-12:** Proposal to assess the ERI Compliance path’s alignment with the prescriptive path. (PP-12, NEEA)		**Withdrawn**
51	N1110	**Simulated building performance compliance.** **BCD:** Adopt section allowing for simulated building performance compliance as an alternative systems analysis. **BCD:** Add definitions for “Proposed Design,” “Simulated Building Performance,” & “Standard Reference design (SRD).”		**Approve**
		PP-13: Proposal to reference the unamended IECC performance path as an acceptable compliance alternative. (PP-13, RECA)		**Not approve**
52	N1110.2	**Simulated building performance compliance.** **PP-14:** Proposal to add an exception to use source energy in addition to the exception to use site energy rather than energy cost in this section. (PP-14, NWGA)	*The committee recommends approving the proposal as modified by replacing the electricity multiplier with 2.51.* *(Vote: 5-0-0)*	**Approve as modified**