

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 <i>Residential buildings</i> 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. <i>*Cost increase based on measure selected.</i>	Approve <i>*Cost increase</i>
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 <i>*Cost increase</i>
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.	<i>The committee recommends approving a "smaller home" exception with a maximum of 1500 square feet.</i> Approve as modified
5		PP-24: Proposal to increase the area of conditioned living area to be considered a <i>small home</i> 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)	<i>(Vote: 0-7-0)</i> 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 (<i>attic</i>), windows and glazed doors : U-0.35 U-0.30 , opaque doors: U-0.70 U-0.20	Approve <i>*Minimal increase</i>
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 <i>*Cost increase</i>

	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: <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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-24 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

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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-0.089 <u>U-0.083</u> .	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. <i>(Vote: 4-2-1)</i>	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) <i>(Vote: 2-4-1)</i>	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. <i>(Vote: 4-3-0)</i>	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) <i>(Vote: 1-6-0)</i>	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) <i>(Vote: 1-6-0)</i>	Not approve
31		PP-23: Proposal to exempt the smaller home from the requirements of Sections N1104.8.2. (PP-23, OHBA) <i>(Vote: 2-5-0)</i>	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	<p>Installation of ducts and air handling equipment.</p> <p>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.</p>	<p>(Vote: 6-0-1)</p> <p>Approve *Cost increase</p>
36		<p>PP-30: Proposal to add an exception for small homes. (PP-30, OHBA)</p>	<p>(Vote: 3-4-0)</p> <p>Not approve</p>
37	N1105.4.1.2	<p>Smart thermostat.</p> <p>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.”</p>	<p>Approve</p>
38	N1105.4.1.3	<p>Heat pump controls.</p> <p>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.</p>	<p>Approve</p>
39	N1105.6	<p>Ventilation fan efficiency.</p> <p>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.</p> <p>BCD: Add New Table N1105.6 with the fan efficacy values for each type of system.</p>	<p>Approve</p>
40		<p>PP-08: Proposal to add prescriptive path requirements for heat or energy recovery ventilators. (PP-08, HVI)</p> <p>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.</p>	<p>Approve</p>
		<p>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).</p>	<p>(Vote: Option one: 2-5-0 Option two: 3-3-1)</p> <p>Not approve</p>
		<p>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.</p>	<p>Withdrawn</p>
41	N1105.7	<p>Central fan integrated supply (CFIS) systems.</p> <p>BCD: Add section prohibiting the use of an HVAC system to provide whole-house ventilation.</p>	<p>Approve</p>
42	N1105.8	<p>Heat pump.</p> <p>BCD: Add new section stating that in new <i>dwelling</i>s 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</p>	<p>(Vote: 5-2-0)</p> <p>Approve *Cost increase</p>
43		<p>PP-09: Proposal to not adopt the new Section N1105.8. (PP-09, NWGA)</p>	<p>(Vote: 2-5-0)</p> <p>Not approve</p>
44		<p>PP-11: Add an exception to the new section N1105.8. (PP-11, NWGA)</p>	<p>(Vote: 3-4-0)</p> <p>Not approve</p>
*		<p>BCD: Add an exception to the first-stage heat pump provision where four measures are selected for compliance.</p>	<p>(Vote: 5-1-0)</p> <p>Approve</p>

	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)	<i>The committee recommends approving the BCD proposed language as modified by removing unnecessary language.</i> <i>(Vote: 4-3-0)</i>	Approve as modified *Cost increase
48		PP-29: Adopt an exception for small homes. (PP-29, OHBA)	<i>(Vote: 4-3-0)</i>	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)	<i>The committee recommends approving the proposal as modified by replacing the electricity multiplier with 2.51.</i> <i>(Vote: 5-0-0)</i>	Approve as modified