2026 ORSC UA trade-off results

Sample Residence
1200 SW Example St, Salem OR 97301

CODE EDITION
2026 Oregon Residential Specialty Code

COMPLIANCE PATH
UA trade-off (Table N1104.1(1) demonstration)

CLIMATE ZONE
4C

CONDITIONED FLOOR AREA
2,200 sq ft

ADDITIONAL MEASURES
Measure 2, High-efficiency water heating system;
Measure 6, High-efficiency thermal envelope UA

Conditioned floor area: 2,200 sq ft. Base item-1 counts only. Higher-count N1105.3 exceptions are not supported in this tool.

Code UA vs. Proposed UA

CODE UA	PROPOSED UA	PROPOSED UA VS. CODE UA
295.15	261.55	11.4% lower

Note: below-grade (basement) walls are not included in this comparison. If the house has below-grade walls, verify them separately before relying on these results.

HEAT-LOSS EQUIVALENCE (TABLE N1104.1(1))

AGREES

Proposed UA does not exceed the verified reference-design Code UA.

MEASURE 6 (MINIMUM 10 PERCENT BETTER)*

AGREES

Proposed UA is at least 10 percent less than Code UA, per Table N1102.3(2) Measure 6.

* The 2026 code prints two values for this measure: 10 percent in Table N1102.3(2), Measure 6 (PDF page 2) and 8 percent in Table N1104.1(1), footnote i (PDF page 7). This tool applies 10 percent. A design that meets 10 percent also meets the lower value. Oregon BCD confirmed 10 percent on 2026-10-27 and will correct footnote i. Table N1102.3(2), Measure 6 Table N1104.1(1)

Component detail

COMPONENT	AREA	CODE FACTOR	PROPOSED FACTOR	CITATION
Flat ceiling	1100	0.021 Table N1104.1(1), Reference Design Case, Flat ceilings	0.017 Table N1104.1(2), Flat Ceilings	Table N1104.1(2), Flat Ceilings
Vaulted ceiling	0	0.033 Table N1104.1(1), Reference Design Case, Vaulted ceilings	0	Table N1104.1(1), Reference Design Case, Vaulted ceilings
Walls above grade	2350	0.059 Table N1104.1(1), Reference Design Case, Conventional wood-framed walls	0.053 Table N1104.1(2), Exterior Walls	Table N1104.1(2), Exterior Walls
Underfloor	1100	0.033 Table N1104.1(1), Reference Design Case, Under-floor	0.026 Table N1104.1(2), Floors	Table N1104.1(2), Floors
Slab edge perimeter	0	0.52 Table N1104.1(1), Reference Design Case, Slab-edge parameters	0	Table N1104.1(1), Reference Design Case, Slab-edge parameters
Windows	330	0.27 Table N1104.1(1), Reference Design Case, Windows	0.25	Table N1104.1(1), Reference Design Case, Windows

COMPONENT	AREA	CODE FACTOR	PROPOSED FACTOR	CITATION
Skylights	0	0.5 Table N1104.1(1), Reference Design Case, Skylights	0	Table N1104.1(1), Reference Design Case, Skylights
Exterior doors	40	0.2 Table N1104.1(1), Reference Design Case, Exterior doors	0.18	Table N1104.1(1), Reference Design Case, Exterior doors

> **Note:** 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. N1105.8, Heat pump for split system air-conditioning

Measure 2: High-efficiency water heating system

HIGH-EFFICIENCY WATER HEATING SYSTEM Provide one of the following options: A. Natural gas/propane water heater UEF ≥ 0.90, or B. Electric heat pump water heater UEF ≥ 3.45, or C. Natural gas/propane heater UEF ≥ 0.80 and < 0.90 with a drain water heat recovery unit installed on not less than one shower/tub-shower.

Table N1102.3(2), Measure 2

Measure 6: High-efficiency thermal envelope UA

HIGH-EFFICIENCY THERMAL ENVELOPE UA Achieve the following in accordance with Table N1104.1(1): Total Proposed UA of the Proposed Design ≥ 10 percent less than the total standard reference design UA of the Standard Reference Design.

Table N1102.3(2), footnote c: Additional Measure Number 6 is not permitted to be combined with Additional Measure Number 3 or 4.

Table N1102.3(2), Measure 6

NOT A COMPLIANCE DETERMINATION

This page shows the calculation and the Oregon code sections behind it. Your building official decides whether the project complies.