

Oregon Commercial Reach Code 2025 edition

Under Oregon Revised Statute (ORS) 455.500, the division, with approval from the appropriate advisory board, shall adopt a Reach Code. The Oregon Commercial Reach Code is an optional set of standards providing a choice for builders, consumers, contractors, and others. Customers can choose to build to the Oregon Energy Efficiency Specialty Code (OEESC) or to this code.

Use of the Oregon Commercial Reach Code shall be approved by local municipalities and is at the discretion of the applicant. Elected use of the residential reach code does not limit the authority of local building officials to consider proposed alternate methods encompassing the construction standards included herein.

The Oregon Commercial Reach Code consists of the OEESC and the following supplemental provisions.

SECTION CR1301—GENERAL

CR1301.1 General. The provisions of this reach code are supplemental to Chapter 13 of the Oregon Structural Specialty Code, the Oregon Energy Efficiency Specialty Code (OEESC), and shall be referred to herein as “this code.” ANSI/ASHRAE/IES Standard 90.1-2022 serves as the construction provisions for the OEESC. ANSI/ASHRAE/IES Standard 90.1-2022 shall be referred to herein as “Standard 90.1.”

CR1301.2 Scope. This code shall apply to laboratories, *data centers*, conditioned warehouses, and retail or mercantile buildings over 40,000 ft² serving a single tenant, R-2, R-3, and R-4 occupancy buildings, and all other new buildings over 100,000 ft² of conditioned floor area.

SECTION CR1302—STANDARD COMPLIANCE PATHS

CR1302.1 Standard compliance paths. New buildings, other than multi-family dwellings and *data centers*, shall comply with the OEESC and either Section CR1302.1.1, CR1302.1.2 or CR1302.1.3. *Data centers* shall comply with the OEESC using Standard 90.1 Section 4.2.1.1, Item a and Section CR1302.2. Multi-family dwellings shall comply with Section CR1302.1.1, CR1302.1.2, CR1302.1.3 or CR1302.3.

CR1302.1.1 Energy Cost Budget Method. Comply with Standard 90.1 Section 4.2.1.1, Item b, *Energy Cost Budget Method* (Chapter 11), modified by the following: The *design energy cost* shall be less than 90% of the *energy cost budget*.

CR1302.1.2 Appendix G Method. Comply with Standard 90.1 Section 4.2.1.1, Item c, *Performance Rating Method* (Appendix G), to achieve a 10% reduction of regulated energy use. The Performance Cost Index Target (PCI_t) formula is modified as follows:

$$PCI_t = [BBUEC + (BPF \times 0.90 \times BBREC)] / BBP$$

CR1302.1.3 Prescriptive Additional Efficiency Credit Method. Comply with the 2025 OEESC prescriptive path per Standard 90.1 Section 4.2.1.1, Item a with the following modification. OEESC Section E306.1, Item b and Table 11.5.1-1 is replaced with Table CR1302.1.3, requiring 100 additional credits more than under the 2025 OEESC.

Credit limits: the 60% limit maximum number of combined renewable and load management credits set under Standard 90.1 Section 11.5.2 is not adopted. The limit on L06 lighting reduction credits under Standard 90.1, Section 11.5.2.5.6 is not adopted.

TABLE CR1302.1.3 ADJUSTED MINIMUM ADDITIONAL ENERGY CREDITS

Building Use Type a	Climate Zone	
	4C	5B
Multifamily ^b	<u>132</u>	<u>141</u>
Health care ^c	<u>147</u>	<u>147</u>
Hotel/motel	<u>142</u>	<u>134</u>
Office ^d	<u>143</u>	<u>142</u>
Restaurant ^e	<u>149</u>	<u>149</u>
Retail	<u>138</u>	<u>136</u>
Education ^f	<u>141</u>	<u>139</u>
Warehouse ^g	<u>130</u>	<u>130</u>
Other ^h	<u>123</u>	<u>123</u>

CR1302.2 Data Centers. *Data centers* shall comply with Standard 90.1 Section 4.2.1.1, Item a, and Sections 6.5.1.1, 8.2.1, and 8.5 as modified by the OEESC. In addition, the maximum Mechanical Load Component (MLC) and Electrical Load Component (ELC) targets using ANSI/ASHRAE Standard 90.4 shall be reduced by 10%.

CR1302.3 Multi-family dwellings. This section establishes criteria for compliance using the ENERGY STAR Multifamily New Construction (MFNC) Version 1.2 (Rev. 04).

CR1302.3.1 ENERGY STAR MFNC compliance.

Compliance based on the ENERGY STAR Multifamily New Construction National Program Version 1.2 including but not limited to energy modeling to demonstrate compliance with ENERGY STAR program energy performance metrics and on-site verification of all critical project energy features by a Certified Rater or Approved Inspector. All documentation and verification shall be in accordance with the ENERGY STAR MFNC program.

CR1302.3.2 Verification by approved agency. Verification of compliance with Section CR1302.3.1 shall be completed by a Certified Rater or Approved Inspector, as defined by ANSI/RESNET/ICC Standard 301, or an equivalent designation as determined by a Home Certification Organization (HCO) under the ENERGY STAR program.

SECTION CR1303—OPTIONAL COMPLIANCE PATH

CR1303.1 Net Zero Appendix M. Comply with Standard 90.1 Appendix G as modified under the Appendix M, Section M3.1, Part a. and Site Performance Energy Index target using Section M3.2.

**TABLE CR1303.1 BUILDING PERFORMANCE FACTOR
(REPLACEMENT TO STANDARD 90.1, TABLE 4.2.1.1)**

Appendix M Building Area Type	Climate Zone	
	4C	5B
Multifamily	0.53	0.51
Healthcare/ hospital	0.42	0.43
Hotel/motel	0.57	0.55
Office	0.35	0.37
Restaurant	0.56	0.58
Retail	0.33	0.31
School	0.39	0.36
Warehouse	0.20	0.25
All others	0.44	0.42

SECTION CR1304—PLUMBING FIXTURE EFFICIENCY

CR1304.1 Plumbing Application of WESand. Those portions of the 2020 WESand, Water Efficiency and Sanitation Standard for the Built Environment, as published by International Association of Plumbing and Mechanical Officials (IAPMO) shall apply, where applicable to the building.