



**2021 Oregon Plumbing Specialty Code Adoption
Including Low-rise Residential Plumbing Provisions**

Opportunity for public input:

Those who would like to provide testimony should virtually attend a public hearing on Jan. 19, 2021, at 10 a.m. The hearing will be located virtually and at the Building Codes Division, Conference Room A, and all attendance from the public will be virtual and offered via GoToMeeting and telephone.

Written comments may be submitted to the BCD rules coordinator, at rulescoordinator.bcd@oregon.gov, or to the address below. All written comments must be received by Jan. 29, 2021 at 5 p.m.

If you wish to provide oral testimony at the hearing, the best way to connect is to join the meeting from your computer, tablet or mobile device with internet access using a headset or earphones with a microphone. If you are unable to connect through your computer, tablet or mobile device, you can dial in using your phone. Use the following information to connect to the meeting.

By computer, tablet, or mobile device:

<https://global.gotomeeting.com/join/509627805>

If you are new to GoToMeeting, you can install the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/509627805>

By phone:

United States: +1 (571) 317-3112

Access Code: 509-627-805

(For supported devices, tap a one-touch number below to join instantly.)

- One-touch: <tel:+15713173112,,509627805#>

Get more information about giving testimony: <https://www.oregon.gov/bcd/Documents/GoToMeeting-process.pdf>

If you have any questions about the hearing please contact the BCD rules coordinator at rulescoordinator.bcd@oregon.gov.

Information about the 2021 Oregon Plumbing Specialty Code (OPSC) adoption process can be found at the [2021 OPSC code adoption webpage](#). This page contains all the materials related to the code change process, including the [code review committee summary matrix](#).

Live broadcast via the internet:

To view the public hearing live, click on “[View live meeting](#),” or go to the Oregon Building Codes Division webpage at <https://www.oregon.gov/bcd/Pages/index.aspx>, and click on “View live meetings.”



Purpose of the rule:

These proposed rules adopt the 2021 Oregon Plumbing Specialty Code and the low-rise residential plumbing provisions of the Oregon Residential Specialty Code. The 2021 OPSC is based on the 2021 edition of the Uniform Plumbing Code, with Oregon specific amendments.

Citation:

Amend: OAR 918-750-0110, 918-750-0115.

These proposed rules become effective April 1, 2021.

History:

The State Plumbing Board selected a code review committee to review the base code, public proposals, Oregon amendments, alternate methods, and code interpretations. The OPSC review committee completed an analysis of the 2021 Uniform Plumbing Code changes, existing Oregon code amendments, statewide interpretations, and alternate method rulings. The review committee met three times on Jan. 14, 2020, Jan. 16, 2020, and Jan. 28, 2020, finalizing its recommendations to the board on Jan. 28, 2020. On Feb. 27, 2020, the State Plumbing Board approved the review committee's recommendation for the 2021 OPSC and recommended that the code be sent to public hearing. On Sept. 16, 2020, the Residential and Manufactured Structures Board approved the review committee's recommendation for the low-rise residential plumbing provisions and recommended that the code be sent to public hearing.

Contact:

If you have questions or need further information, contact Andy Skinner, Plumbing Program Chief, at 503-373-7448, or andrew.j.skinner@oregon.gov.

OFFICE OF THE SECRETARY OF STATE

BEV CLARNO
SECRETARY OF STATE

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ARCHIVES DIVISION

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DIRECTOR

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NOTICE OF PROPOSED RULEMAKING
INCLUDING STATEMENT OF NEED & FISCAL IMPACT

CHAPTER 918
DEPARTMENT OF CONSUMER AND BUSINESS SERVICES
BUILDING CODES DIVISION

FILED

12/23/2020 10:22 AM
ARCHIVES DIVISION
SECRETARY OF STATE

FILING CAPTION: Adopts the 2021 Oregon Plumbing Specialty Code & low-rise plumbing provisions of the 2021 ORSC

LAST DAY AND TIME TO OFFER COMMENT TO AGENCY: 01/29/2021 5:00 PM

The Agency requests public comment on whether other options should be considered for achieving the rule's substantive goals while reducing negative economic impact of the rule on business.

CONTACT: Laura Burns
503-373-0226
laura.l.burns@oregon.gov

1535 Edgewater St. NW
Salem, OR 97304

Filed By:
Laura Burns
Rules Coordinator

HEARING(S)

Auxiliary aids for persons with disabilities are available upon advance request. Notify the contact listed above.

DATE: 01/19/2021

TIME: 10:00 AM - 10:30 AM

OFFICER: Tyler Glaze

ADDRESS: Building Codes Division

1535 Edgewater St. NW

Salem, OR 97304

SPECIAL INSTRUCTIONS:

This hearing will be conducted virtually through a GoToMeeting.

Please join from your computer, tablet or smartphone.

[https://global.gotomeeting.com/join/5](https://global.gotomeeting.com/join/509627805)

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NEED FOR THE RULE(S):

ORS 455.020 and 455.110 require the division to adopt a state building code to govern the construction, reconstruction, alteration and repair of buildings and other structures. The law further requires the building code to contain uniform performance standards providing reasonable safeguards for the health, safety, welfare, comfort, and

security of the residents of Oregon who are occupants and users of buildings, and to provide for the use of modern methods, materials, and maximum energy conservation. The division, with the approval of the appropriate board, may amend such codes provided it conforms to model building codes generally accepted and in use throughout the United States.

Under ORS 447.020 the division, with the approval of the Oregon State Plumbing Board, adopts rules setting standards for plumbing, known as the Oregon Plumbing Specialty Code. ORS 455.610 requires the division, with the approval of the Residential and Manufactured Structures Board, to adopt and amend as necessary, a low-rise code that contains all the requirements, including plumbing provisions, related to the construction of residential dwellings three stories or less above grade. The low-rise plumbing provisions of the Oregon Residential Specialty Code are adopted in the Oregon Plumbing Specialty Code.

The current Oregon Plumbing Specialty Code is based on the 2015 edition of the Uniform Plumbing Code (UPC) with Oregon amendments, and contains plumbing provisions for low-rise residential structures. These proposed rules are needed to update the current plumbing code by adopting and amending the 2021 edition of the UPC with additional Oregon amendments, which also updates the low-rise plumbing provisions of the Oregon Residential Specialty Code. This amended code will be adopted as the 2021 Oregon Plumbing Specialty Code.

DOCUMENTS RELIED UPON, AND WHERE THEY ARE AVAILABLE:

Draft rules are available from the division's rules coordinator located at 1535 Edgewater Street NW, Salem, OR 97304 and are posted on the division's Web site at: <http://www.oregon.gov/bcd/laws-rules/Pages/proposed-rules.aspx>.

FISCAL AND ECONOMIC IMPACT:

The division has determined that the adopted code will have some fiscal and economic impact on state agencies, units of local government, small businesses, and members of the public from the purchase of the 2017 edition of the Oregon Plumbing Specialty Code book and training associated with new code provisions. The cost of the code book is estimated to be approximately \$100. The division licenses approximately 1973 plumbing businesses, 4199 plumbing installers, and 996 plumbing inspectors. Many of these plumbing businesses are small businesses impacted by changes to the Oregon Plumbing Specialty Code. The overall impact of this cost cannot be determined at this time because the code book will be available online at no cost, and it is unknown how many copies of the code book will be purchased by local government and members of the public. It is also unknown what any associated costs for attending training would be for a particular individual or local government, but the division does expect there to be some associated costs related to travel and class time.

The 2021 Plumbing Specialty Code Review Committee discussed the fiscal and economic impact of each code change proposal. Based on the information provided by the code review committee, the division has determined that state agencies, units of local government and members of the public who inspect, construct, remodel, alter, or repair buildings and other structures will see minimal cost increases as a result of the proposed code changes.

COST OF COMPLIANCE:

(1) Identify any state agencies, units of local government, and members of the public likely to be economically affected by the rule(s). (2) Effect on Small Businesses: (a) Estimate the number and type of small businesses subject to the rule(s); (b) Describe the expected reporting, recordkeeping and administrative activities and cost required to comply with the rule(s); (c) Estimate the cost

of professional services, equipment supplies, labor and increased administration required to comply with the rule(s).

1. Impact on state agencies, units of local government and the public (ORS 183.335(2)(b)(E)): The division has determined that these proposed rules will have some fiscal impact to the division, local building departments, licensees, and small businesses for training costs and the purchase costs of new code books. The expected price of the new code books are approximately \$100. The division will offer low cost training for local government, but local governments may still see an impact in staff time. It is also estimated that there will be a slight increase for members of the public, approximately \$5, as a result of new low-rise residential plumbing code provisions. Other possible fiscal impacts are detailed above. The division is unable to determine the exact fiscal impact at this time because it is dependent upon specific factors related to a building's design, use, materials, etc.

2. Cost of compliance effect on small business (ORS 183.336):

a. Estimate the number of small businesses and types of business and industries with small businesses subject to the rule: The overall goal of reducing Oregon-specific amendments made to the national model code may result in cost savings to contractors, installers, and manufacturers. There are approximately 1,800 plumbing contractors, 4,000 plumbing installers, and 580 plumbing inspectors. It is unknown how many of these contractors meet the definition of small business. Other possible fiscal impacts are detailed above. The division is unable to determine the exact fiscal impact at this time because it is dependent upon specific factors related to a building's design, use, materials, etc.

b. Projected reporting, recordkeeping and other administrative activities required for compliance, including costs of professional services: The proposed rules do not impose any additional reporting, recordkeeping, or other administrative activities in order to comply.

c. Equipment, supplies, labor and increased administration required for compliance: The proposed rules do not impose any additional reporting, recordkeeping, or other administrative activities in order to comply.

DESCRIBE HOW SMALL BUSINESSES WERE INVOLVED IN THE DEVELOPMENT OF THESE RULE(S):

Small businesses were represented on the 2021 Oregon Plumbing Specialty Code Review Committee, the State Plumbing Board, and the Residential and Manufactured Structures Board, all of which reviewed the appropriate provisions of these proposed rules.

WAS AN ADMINISTRATIVE RULE ADVISORY COMMITTEE CONSULTED? YES

HOUSING IMPACT STATEMENT:

The average cost of developing a 1200 square foot residence on a 6000 square foot parcel would increase by between 40 and 70 dollars. Below is a breakdown of the substantive changes that lead to this increase and the approximate cost of each item.

- 401.3 Water-conserving plumbing fixtures and fittings and Table 401.3. There may be a small increase in the water conserving fixtures versus standard, but most manufacturers are already producing the same amount of conserving fixtures as non-conserving and the prices are comparable. There may be a slight increase in cost of \$25.
- 604.10.1 Tracer wire. This will add between \$15 and \$35 to the job site cost on a standard 1200 square foot home. The cost will scale with the size of the home.

- 707.4 Exceptions to cleanouts. This will only apply to multi-story homes. This will add \$10 to the cost of a multi-story 1200 square foot home.

RULES PROPOSED:

918-750-0110, 918-750-0115

AMEND: 918-750-0110

RULE SUMMARY: Changes the effective date from October 1, 2017, to April 1, 2021.

Changes the basis for the code from the 2015 Edition of the Uniform Plumbing Code to the 2021 Edition of the Uniform Plumbing Code.

Adds appendices B and M to the list of appendices included in the Oregon Plumbing Specialty Code.

Removes appendix B, and adds appendix N to the list of appendices that are specifically not adopted into the code.

Allows local jurisdictions the option of adopting appendices L or N if they wish.

CHANGES TO RULE:

918-750-0110

Oregon Plumbing Specialty Code ¶¶

(1) The Oregon Plumbing Specialty Code is adopted pursuant to OAR chapter 918, division 8.¶¶

(2) Effective ~~October~~ April 1, 2021, the ~~2017~~ Oregon Plumbing Specialty Code is based upon the following:¶¶

(a) The ~~2015~~ Edition of the Uniform Plumbing Code, First Printing;¶¶

(b) Chapters ~~1--11 and 13--17~~;¶¶

(c) Appendices ~~A, B, C, D, E, K, and M~~; and¶¶

(d) As further amended by the division.¶¶

(3) Chapter ~~12~~, and Appendices ~~B, F, G, H, I, J, L, and N~~ of the ~~2015~~ Uniform Plumbing Code are not adopted as part of the Oregon Plumbing Specialty Code.¶¶

(4) Appendices L and N are available to be adopted by local jurisdictions.¶¶

[Publications: Publications are available for review at the division. See division website for information on where to purchase publications.]

Statutory/Other Authority: ORS 447.020, 455.020, 455.030, 455.110

Statutes/Other Implemented: ORS 447.020, 455.020, 455.030, 455.110

AMEND: 918-750-0115

RULE SUMMARY: Deletes from the rule the amendments that were made to the Oregon Plumbing Specialty Code during the 2017 code cycle, which are adopted into the 2021 code under rule 0110.

CHANGES TO RULE:

918-750-0115

Amendments to the Oregon Plumbing Specialty Code ¶¶

~~(1) The Oregon Plumbing Specialty Code is amended pursuant to OAR chapter 918, division 8. Amendments adopted during the code-cycle for inclusion into the Oregon Plumbing Specialty Code are placed in this rule, showing the section reference, a descriptive caption, and a short description of the amendment. ¶¶~~

~~(2) Effective April 1, 2018, the Oregon Plumbing Specialty Code is amended by adopting standard ASSE 1072-2007 for barrier type floor drain trap seal protection devices. Section 1007.7 is adopted and requires barrier type floor drain trap seal protection devices to comply with the code and manufacturer's installation instructions. ¶¶~~

~~(3) Effective October 1, 2020, Table 401.3 of the Oregon Plumbing Specialty Code is amended: ¶¶~~

~~(a) To adopt the standards for water conserving fixtures previously approved by the State Plumbing Board and adopted by the division in separate rulemaking; and ¶¶~~

~~(b) To allow temporary increases to the maximum rate of flow for adjustable kitchen faucets. ¶¶~~

~~(4) Effective October 1, 2020, the Oregon Plumbing Specialty Code Section 408.6 is amended to delete the exception for wet rooms from the section. ¶¶~~

~~(5) Effective October 1, 2020, the Oregon Plumbing Specialty Code Table 702.1 is amended to add footnote nine which states that for a bathtub to shower retrofit, a 1 1/2 inch (40 mm) trap and trap arm shall be permitted with a maximum shower size of 36 inches (914 mm) in width and 60 inches (1524 mm) in length. ¶¶~~

~~(6) Effective October 1, 2020, the Oregon Plumbing Specialty Code Table 703.2 is amended to replace footnote four with, "not to exceed five water closets or five six-unit traps" for both the vertical and horizontal 3 inch pipe, and remove the footnote five reference for horizontal three inch pipe, and to add a footnote seven for the vertical and horizontal one and one half inch pipe. ¶¶~~

[Publications: Publications are available for review at the division.]

Statutory/Other Authority: ORS 447.020, 455.020, 455.030, 455.110

Statutes/Other Implemented: ORS 447.020, 455.020, 455.030, 455.110