



Code Amendment Proposal Application **OSSC 22-04**

Department of Consumer & Business Services
Building Codes Division
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APPLICANT INFORMATION

Name:	Mike Moore
Representing:	Broan-NuTone
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PROPOSAL INFORMATION

Specialty code:	Oregon Structural Specialty Code (OSSC)
Code section(s):	1202.1
Briefly explain the subject of your proposal:	Clarify the requirement for mechanical ventilation of dwelling units based on the adoption of the air sealing provisions of the Oregon Energy Efficiency Specialty Code.

Code Review Committee Outcomes

Oct. 28, 2021 – Approved

Proposal: IBC 1202.1

Submitted by: Mike Moore, Stator LLC on behalf of Broan-NuTone

Part I: Code Amendment Language

Revise the 2021 IBC as follows:

1202.1 General. Buildings shall be provided with natural ventilation in accordance with Section 1202.5, or mechanical ventilation in accordance with the ~~International Oregon Mechanical Specialty Code~~. ~~Where the air infiltration rate in a dwelling unit is less than 5 air changes per hour where tested with a blower door at a pressure of 0.2 inch w.c. (50 Pa) in accordance with Section R402.4.1.2 of the International Energy Conservation Code—Residential Provisions, the d~~Dwelling units shall be ventilated by mechanical means in accordance with Section 403 of the ~~International Oregon Mechanical Specialty Code~~. Ambulatory care facilities and Group I-2 occupancies shall be ventilated by mechanical means in accordance with Section 407 of the ~~International Oregon Mechanical Specialty Code~~.

[Note to the committee: The following proposal was also submitted as a correlation change proposal to the 2022 Oregon Mechanical Specialty Code.]

401.2 Ventilation required. Every occupied space shall be ventilated by natural means in accordance with Section 402 or by mechanical means in accordance with Section 403. Dwelling units ~~complying with the air leakage requirements of the International Energy Conservation Code or ASHRAE 90.1~~ shall be ventilated by mechanical means in accordance with Section 403. Ambulatory care facilities and Group I-2 occupancies shall be ventilated by mechanical means in accordance with Section 407.

Part III: Code Amendment Proposal Criteria

Proposal

1. Describe the concept and purpose of this proposal. *Dwelling units within the scope of the Oregon Structural Specialty Code and Oregon Mechanical Specialty Code must comply with the air leakage requirements of ASHRAE 90.1 (i.e., the Oregon Energy Efficiency Specialty Code), triggering the OSSC 1202.1 and OMSC 401.2 requirements for mechanical ventilation. This proposal clarifies that mechanical ventilation is required for such dwelling units.*
2. What problem in the existing Oregon code or national model code is this proposal solving? How does this amendment address the issue? If you have evidence demonstrating the problem, submit that information.
 - a) If this proposal corrects any unforeseen or probable outcomes resulting from the application of a code section, explain how. *This proposal supports compliance by clarifying an existing requirement.*
 - b) If this proposal corrects inadequate application by a code section to a method, material or design, explain how.

c) If this proposal eliminates conflicting, obsolete, or duplicative code provisions or standards between Oregon-adopted codes, statutes or regulations, explain why. *This proposal supports compliance by clarifying an existing requirement.*

d) If this proposal is for a fire or life safety matter, or is it otherwise needed to protect the health, safety, welfare, comfort and security of occupants and the public, explain why.

e) If this proposal is necessary to address unique geographic or climatic conditions within Oregon, explain why.

f) If there are alternatives to this proposal that solve the problem, explain why this proposal is the best or a necessary solution.

g) If this proposal provides for the use of unique or emerging technologies, or promotes advances in construction methods, devices, materials and techniques, explain how.

h) If this proposal meets any energy conservation or indoor air quality requirements, explain how. *This proposal clarifies a requirement for mechanical ventilation to support IAQ.*

i) If this proposal involves the adoption of an electrical or plumbing building product, note if the appropriate advisory board approved the product.

3. Has this been proposed at the national model code level. If so, explain when it was proposed, what happened, and why it was not adopted. Provide all associated national model code hearing information and background. *No, the proposal has not been submitted at the model code level because not all jurisdictions adopt an energy code alongside the mechanical code.*

Implementation and fiscal impact

1. Explain how the proposed provisions would be enforced? Are additional inspections or permits required? Describe any necessary equipment, training, tests or special certifications. *This proposal results in no additional requirements for enforcement.*

2. What is the fiscal impact of this proposal? Provide a cost benefit analysis and include the resources or methods you used to determine the fiscal impact.

a) If this proposal adds to the cost of construction, explain how the added cost contributes to the health and safety of occupants, or is necessary to conserve scarce resources. *This is a clarification of an existing requirement; therefore, it does not increase construction costs.*

b) If there are any other adverse fiscal impacts or cost savings passed on to the general public, the construction industry, local and state governments, and small businesses, an interested person must describe the added or reduced cost of a proposed code amendment, and describe the adverse fiscal impact or cost savings in relation to the current Oregon specialty code.

c) If this proposal will affect the cost of development of a detached single-family dwelling, please indicate the cost. For the purposes of illustrating the change on the cost, please use a 6,000-squarefoot parcel and the construction of a 1,200-square-foot detached single-family dwelling on that parcel. The information on the cost must be sufficient to assist the division in preparing a housing cost impact statement.

Impacted stakeholders and other specialty codes

1. It is important that proposals be shared with stakeholders that will be impacted by them. Was this proposal developed with people or organizations likely to be affected by it? Has it been reviewed or shared with people or organizations likely to be affected by it? If so, who, and if not, why not? *No special review is necessary since this is a clarification of an existing requirement.*

2. Does this proposal impact other specialty codes or statewide programs? *This proposal improves coordination across Oregon's codes.*