



093-2018  
Proponent Revision  
8/10/18

STATE OF WASHINGTON  
**STATE BUILDING CODE COUNCIL**

2015 Washington State Energy Code Development  
**Energy Code Proposal Short Form**

For editorial **Coordination, Clarifications & Corrections** only,  
without substantive energy or cost impacts

Code being amended:  [Commercial](#) Provisions  [Residential](#) Provisions  
(A MS Word version of the code is linked to the name)

Code Section # C403.8.1

Brief Description:

Incorporate State Building Code interpretation No. 14-02 into Code language. Clarify application of C403.8.1 fan power allowance to existing building alterations.

Proposed code change text: (Copy the existing text from the Integrated Draft, linked above, and then use underline for new text and ~~strikeout~~ for text to be deleted.)

**SECTION C503  
ALTERATIONS**

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**C503.4 Mechanical systems.** Those parts of systems which are altered or replaced shall comply with Section C403. Additions or alterations shall not be made to an existing mechanical system that will cause the existing mechanical system to become out of compliance.

**Exception:**

**1.** Existing mechanical systems which are altered or where parts of the system are replaced are not required to be modified to comply with Section C403.7.4 as long as mechanical cooling is not added to the system.

**1-2.** Only those components of existing HVAC systems that are altered or replaced shall meet the requirements of section C403.8.1 Allowable fan motor horsepower. Components replaced or altered shall not exceed the Fan Power Limitation Pressure Drop Adjustment values in Table C403.2.11.1(2) at design conditions. C403.8.1 does not require the removal and replacement of existing system ductwork.

All new systems in existing buildings, including packaged unitary equipment and packaged split systems, shall comply with Section C403.

Where mechanical cooling is added to a space that was not previously cooled, the mechanical system shall comply with either Section C403.7.4 or C403.5.

**Exceptions:**

1. Alternate designs that are not in full compliance with this code may be approved when the code official determines that existing building constraints including, but not limited to, available mechanical space, limitations of the existing structure, or proximity to adjacent air intakes/exhausts make full compliance impractical. Alternate designs shall provide alternate energy savings strategies including, but not limited to, Demand Control Ventilation or increased mechanical cooling or heating efficiency above that required by Tables C403.3.2(1) through C403.3.2(10).
2. Qualifying small equipment: This exception shall not be used for unitary cooling equipment installed outdoors or in a mechanical room adjacent to the outdoors. This exception is allowed to be used for other cooling units and split systems serving one zone with a total cooling capacity rated in accordance with Section C403.3.2 of less than 33,000 Btu/h (hereafter referred to as qualifying small systems) provided that these are high-efficiency cooling equipment with SEER and EER

