



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

Log No. 24-GP1-256 Rev

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

Code Section # **Multiple sections**

Brief Description:

Remove all references to “nonresidential,” “residential,” “multifamily” and “multiple family.” These terms either do not apply or are not defined in the 2024 WSEC-C. Replace with Group R for commercial.

Section titles for additional energy efficiency measures in C406 are updated so all sections that apply to Group R in the title so they can be more readily differentiated from the other measures.

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.)

ENTRANCE DOOR. A vertical fenestration product used for occupant ingress, egress and access (~~((in nonresidential buildings))~~) including, but not limited to, exterior entrances utilizing latching hardware and *automatic* closers and containing over 50 percent glazing specifically designed to withstand heavy duty usage.

C403.1.1 HVAC total system performance ratio (HVAC TSPR). For systems serving office (including medical office), retail, library and education occupancies and buildings, which are subject to the requirements of Section C403.3.5 without exceptions, and the dwelling units and (~~((residential))~~) common areas within a Group R-2 occupancy (~~((multi-family buildings))~~), the *HVAC total system performance ratio (HVAC TSPR)* of the *proposed design* HVAC system shall be greater than or equal to the *HVAC TSPR* of the *standard reference design* as calculated according to Appendix D, Calculation of HVAC Total System Performance Ratio.

Exceptions:

1. Buildings where the sum of the *conditioned floor area* of office, retail, education, library, and (~~((multifamily))~~) Group R-2 spaces is less than 5,000 square feet. Areas that are eligible for any of the exceptions below do not count towards the 5,000 square feet.

TABLE C405.4.2(1)

INTERIOR LIGHTING POWER ALLOWANCES: BUILDING AREA METHOD

Building Area Type	LPD (w/ft ²)
((Multiple-family)) <u>Group R-2</u>	0.46

C407.3 Performance-based compliance. Compliance with this section requires compliance with ASHRAE Standard 90.1 Appendix G, Performance Rating Method, in accordance with Standard 90.1 Section 4.2.1 with the following modifications.

April 3, 2025

1. HVAC systems, subclauses c and d of Table G3.1, shall meet the following requirements:
 - 1.1. For yet-to-be-designed systems in office, retail, library, education, and ~~((multifamily))~~ Group R-2 occupancy buildings and occupancies subject to the TSPR requirements of Section C403.1.1, the system type and efficiency parameters in the proposed model shall meet but not exceed those shown in Table D602.11 Standard Reference Design HVAC Systems.

TABLE C407.3(2)
BUILDING PERFORMANCE FACTORS (BPF) TO BE USED FOR COMPLIANCE WITH SECTION C407.3

Building Area Type	Building Performance Factor
((Multifamily)) <u>Group R-2</u>	0.51

TABLE C407.3(2)
SITE ENERGY PERFORMANCE TARGETS TO BE USED FOR COMPLIANCE WITH SECTION C407.3

Building Area Type	Building Performance Factor
((Multifamily)) <u>Group R-2</u>	0.59

TABLE C406.2(1)
EFFICIENCY MEASURE CREDITS

Measure Title	Applicable Section	Prorating Flag	Occupancy Group					
			Group R-1	Group R-2	Group B	Group E	Group M	All Other
1. ((Dwelling unit)) <u>Group R</u> HVAC controls	C406.2.1	Heat	NA	7	NA	NA	NA	NA
<u>11.</u> <u>Group R</u> lamp efficacy	C406.2.3.3	Heat	5	6	NA	NA	NA	NA
<u>12.</u> ((Residential building)) <u>Group R</u> lighting controls	C406.2.4.1	Heat	NA	8	NA	NA	NA	NA
<u>24.</u> <u>Group R</u> low flow ((residential)) showerheads	C406.2.11	SWH	3	3	NA	NA	NA	NA
29. ((Enhanced residential)) <u>Group R</u> kitchen equipment	C406.2.15	Heat	12	19	NA	NA	NA	NA
30. ((Enhanced residential)) <u>Group R</u> laundry equipment	C406.2.16	Heat	NA	6	NA	NA	NA	NA
31. <u>Group R</u> heat pump clothes dryers	C406.2.17	Heat	6	6	NA	NA	NA	NA

TABLE C406.2(1)
EFFICIENCY MEASURE CREDITS FOR USE WITH FOSSIL FUEL COMPLIANCE PATH

Measure Title	Applicable Section	Prorating Flag	Occupancy Group					
			Group R-1	Group R-2	Group B	Group E	Group M	All Other
2. ((Dwelling unit)) <u>Group R HVAC controls</u>	C406.2.1	Heat	NA	8	NA	NA	NA	NA
<u>13. Group R lamp efficacy</u>	C406.2.3.3	Heat	5	6	NA	NA	NA	NA
<u>14. ((Residential building)) Group R lighting controls</u>	C406.2.4.1	Heat	NA	8	NA	NA	NA	NA
<u>25. Group R low flow ((residential)) showerheads</u>	C406.2.11	SWH	3	3	NA	NA	NA	NA
32. ((Enhanced residential)) <u>Group R kitchen equipment</u>	C406.2.15	Heat	12	19	NA	NA	NA	NA
33. ((Enhanced residential)) <u>Group R laundry equipment</u>	C406.2.16	Heat	NA	6	NA	NA	NA	NA
34. <u>Group R heat pump clothes dryers</u>	C406.2.17	Heat	6	6	NA	NA	NA	NA

C406.2.1 ~~((Dwelling unit))~~ Group R HVAC controls. HVAC systems serving *dwelling units* ~~((or))~~ and *sleeping units* shall be controlled with a programmable *thermostat* that is configured to automatically activate a setback condition of at least 5°F (3°C) for both heating and cooling...

C406.2.3.3 Group R lamp efficacy. No less than 95 percent of the permanently installed light fixtures in *dwelling units* and *sleeping units* shall be provided by lamps with a minimum efficacy of 90 lumens per watt.

C406.2.4.1 ~~((Residential building))~~ Group R lighting controls. In buildings with nontransient *dwelling units* ~~((and))~~ or *sleeping units*, lighting controls shall be configured to meet the following: ...

C406.2.11 Group R low flow showerheads ~~((for Group R-1 and R-2 occupancies))~~. All showerheads installed in ~~((Group R-1 and R-2))~~ *dwelling units* or *sleeping units* shall have a maximum listed flowrate...

C406.2.15 ~~((Residential))~~ Group R kitchen ~~((equipment))~~ appliances. ~~((For projects with))~~ For kitchen appliances located within *dwelling units* or *sleeping units*, ~~((within Group R-1 and R-2 occupancies, energy credits shall be achieved where))~~ not less than 90 percent of dishwashers, refrigerators, and freezers in the project shall comply with all of the following requirements: ...

1. Achieve the ENERGY STAR Most Efficient label in accordance with the 2021 specifications.
2. Be installed prior to the issuance of the certificate of occupancy.
3. Building permit drawings shall specify the appliance type and provide documentation of ENERGY STAR compliance. At the time of inspection, all appliances shall be installed and connected to utilities.

For Group R-1 where only some guestrooms are equipped with both refrigerators and dishwashers, the table credits shall be prorated as follows:

$$[\text{Section C406.2.15 table credits}] \times [\text{Floor area of guestrooms with kitchens}] / [\text{Total guestroom floor area}]$$

C406.2.16 ((Residential)) Group R-2 laundry appliances. ~~((For projects with Group R-2 occupancies, energy credits shall be achieved where))~~ For laundry appliances located within *dwelling units*, not less than 90 percent of clothes washers and dryers in the project ((meet)) shall comply with the following requirements:

1. Each dwelling unit contains in-unit washing washer and dryer equipment that meets the following requirements:
 - 1.1. Achieve the ENERGY STAR Most Efficient label in accordance with the 2021 specifications.
 - 1.2. Be installed prior to the issuance of the certificate of occupancy.
2. Where only some dwelling units are equipped with both washers and dryers, the table credits shall be prorated as follows:

[Section C406.2.16 table credits] x [Floor area of dwelling units with laundry] / [Total dwelling unit floor area]

The building permit drawings shall specify the appliance type and provide documentation of ENERGY STAR compliance. At the time of inspection, all appliances shall be installed and connected to utilities.

C406.2.17 Group R heat pump clothes dryers. ~~((Not less than 90 percent of))~~ For domestic clothes dryers located within Group R-1 and R-2 occupancy areas of the ((whole)) project, not less than 90 percent of heat pump dryers shall be ((are)) ENERGY STAR rated ((heat pump dryers)). ((Credit)) This efficiency measure applies only to buildings where laundry facilities are provided either within each ((residential)) *dwelling unit* or *sleeping unit*, ((s)) or grouped together in central multi-family use laundry rooms, or a mix of the two.

~~((To claim this credit,))~~ The building permit drawings shall specify the appliance type and provide documentation of ENERGY STAR compliance. At the time of inspection, all appliances shall be installed and connected to utilities.

C409.3.5 Plug load system energy use. This category shall include all energy used by appliances, computers, plug-in task lighting, and other equipment or equipment covered by other end-use metering categories listed in Section C409.3. In a building where the main service is 480/277 volt, each 208/120 volt panel is permitted to be assumed to serve only plug loads s for the purpose of Section C409, unless it serves ~~((nonresidential))~~ commercial refrigeration or cooking equipment.

C409.3.6 Process load system energy use. This category shall include all energy used by any non-building process load, including but not limited to ~~((nonresidential))~~ commercial refrigeration and cooking equipment, laundry equipment, industrial equipment and stage lighting.

C501.1.1 Existing buildings. Except as specified in this chapter, this code shall not be used to require the removal, *alteration* or abandonment of, nor prevent the continued use and maintenance of, an existing building or building system lawfully in existence at the time of adoption of this code. Unaltered portions of existing buildings used ~~((for residential purposes))~~ as a Group R occupancy that received a certificate of occupancy at least three years prior to a permit application ~~((for residential purposes))~~ as a Group R occupancy shall not be required to comply with this code.

Purpose of code change:

Improve code language clarity by removing undefined terms in the 2024 WSEC-C.

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Instructions: For use with Coordination, Clarifications & Corrections ONLY. Send this form as an email attachment, along with any other documentation available, to: sbcc@des.wa.gov. For further information, call the State Building Code Council at 360-407-9277.