

# CEC2D-2-23

IECC CE: C406.1.1.1

## Proponents:

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## 2024 International Energy Code[CE Project] R3

### Revise as follows:

# C406.1.1.1 Buildings without heat pumps.

Buildings using purchased energy that is not electricity for space heating or service water heating, buildings with electric storage water heaters that are not heat pumps and buildings with total heat pump space heating capacity less than the space heating load at heating design conditions calculated in accordance with Section C403.1.1 shall comply with measures from C406.2 to achieve not less than 1.25 multiplied by the number of required efficiency credits from Table C406.1.1 based on building occupancy group and climate zone. Where a project contains multiple occupancies, credits in Table C406.1.1 from each building occupancy shall be multiplied by 1.25 and weighted by the gross conditioned floor area to determine the weighted average project energy credits required. Accessory occupancies shall be included with the primary occupancy group for purposes of Section C406.

### Exceptions:

1.	<u>Buildings or portions</u> <del>Portions</del> of buildings devoted to manufacturing or industrial use.								
2.	Buildings complying with all of the following: <table border="1"><tr><td>2.1.</td><td>The building's peak heating load calculated in accordance with Section C403.1.1 is greater than the building's peak cooling load calculated in accordance with Section C403.1.1.</td></tr><tr><td>2.2.</td><td>The building's total heat pump space heating capacity is not less than 50 percent of the building's space heating load at heating design conditions calculated in accordance with Section C403.1.1.</td></tr><tr><td>2.3.</td><td>Any energy source other than electricity or on-site renewable energy is used for space heating only when a heat pump cannot provide the necessary heating energy to satisfy the thermostat setting.</td></tr><tr><td>2.4.</td><td>Electric resistance heat is used only in accordance with Section C403.4.1.1.</td></tr></table>	2.1.	The building's peak heating load calculated in accordance with Section C403.1.1 is greater than the building's peak cooling load calculated in accordance with Section C403.1.1.	2.2.	The building's total heat pump space heating capacity is not less than 50 percent of the building's space heating load at heating design conditions calculated in accordance with Section C403.1.1.	2.3.	Any energy source other than electricity or on-site renewable energy is used for space heating only when a heat pump cannot provide the necessary heating energy to satisfy the thermostat setting.	2.4.	Electric resistance heat is used only in accordance with Section C403.4.1.1.
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2.4.	Electric resistance heat is used only in accordance with Section C403.4.1.1.								
3.	Low-energy buildings complying with Section C402.1.1.1.								
4.	<u>Buildings or portions</u> <del>Portions</del> of buildings in Utility and Miscellaneous Group U, Storage Group S, Factory Group F, or High-Hazard Group H.								

### Reason:

This is an editorial suggestion to make sure that the exception covers entire buildings as well as portions of buildings that qualify as shown in Exceptions 1 and 4.

### Cost Impact:

The code change proposal will neither increase nor decrease the cost of construction.

This is clarification text that does not change the cost of construction.