

Public Comment CE142-16 WILLIAMS-D :

Proponent : Jeremiah Williams, representing U. S. Department of Energy (jeremiah.williams@ee.doe.gov) requests Approve as Modified by this Public Comment.

Replace Proposal as Follows:

2015 International Energy Conservation Code

C403.2.6.1 Demand controlled ventilation. Demand control ventilation (DCV) shall be provided for spaces larger than 500 square feet (46.5 m²) and with ~~an average~~ a design occupant load of 25 people or greater per 1,000 square feet (93 m²) of floor area (as established in Table 403.3.1.1 of the *International Mechanical Code*) and served by systems with one or more of the following:

1. An air-side economizer.
2. Automatic modulating control of the outdoor air damper.
3. A design outdoor airflow greater than 3,000 cfm (1416 L/s).
4. **Exception:** Demand control ventilation is not required for systems and spaces as follows:
 1. Systems with energy recovery complying with Section C403.2.7.
 2. Multiple-zone systems without direct digital control of individual zones communicating with a central control panel.
 3. Systems with a design outdoor airflow less than 1,200 cfm (566 L/s).
 4. Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1,200 cfm (566 L/s).
 5. Ventilation provided for process loads only.

Commenter's Reason:

This completes a clarifying cleanup started by CE141 from SEHPCAC that was approved as submitted by the committee. Both proposals have to do with the space occupant load. That proposal added "or greater" to clarify that the space did not need exactly 25 people per 1000 square feet to meet the requirements. The "or greater" addition is included here for compatibility.

This proposal replaces the words "an average" with "a design" modifying occupant load.

The design occupant load is a clearly established number and is determined in accordance with the IMC during design.

The average occupant load is subject to interpretation as to the averaging period and season, so cannot be clearly determined.

There is no cost associated with this proposal as it is clarification only.

Bibliography: None.