

## ADVISORY COMMITTEE COMMENT FORM FOR PROPOSED CODE CHANGES

(This form must be submitted electronically)

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**1323, CE- 61**

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### **Proposed Code Change - Language**

2012 IECC Chapter 4 COMMERCIAL ENERGY EFFICIENCY

C408.2.2.1 Air systems balancing

Revise as noted:

C408.2.2.1 Air systems balancing. Each supply air outlet and zone terminal device shall be equipped with means for air balancing in accordance with the requirements of Chapter 6 of the International Mechanical Code. Discharge dampers are prohibited ~~on constant volume fans and variable volume fans with motors 10 hp (18.6 kW) and larger.~~ Air systems shall be balanced in a manner to first minimize throttling losses, then, for fan system power of greater than 1 hp (0.74 kW), fan speed shall be adjusted to meet design flow conditions.

**Exception:** ~~Fans with fan motors of 1 hp (0.74 kW) or less.~~

### **Proposed Code Change – Need and Reason**

Discharge dampers are inefficient and should not be allowed on fan systems.

The Exception needs to be stricken because it could be interpreted to mean that fans 1 hp and less do not require balancing, which is not the case. The intent is that fans 1 hp and less do not require the fan speed to be adjusted to meet design flow conditions, which is covered in the requirements for fan system power of greater than 1 hp, but 1 hp and less still require balancing.

### **Proposed Code Change – Cost/Benefit Analysis**

The benefit of the proposed code change is to clarify the correct intent.

**Other Factors to Consider Related to Proposed Code Change**

1. Is this proposed code change meant to:

Xchange language contained in a published code book? If so, list section(s). 2012 IECC subparagraph identified above

change language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

delete language contained in a published code book? If so, list section(s).

delete language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

neither; this language will be new language, not found in the code book or in Minnesota Rule.

2. Is this proposed code change required by a Minnesota Statute or new legislation? If so, please provide the citation to the Statute or legislation. No
3. Will this proposed code change impact other sections of a published code book or of an amendment in Minnesota Rule? If so, please list the affected sections or rule parts. No
4. Will this proposed code change impact other parts of the Minnesota State Building Code? If so, please list the affected parts of the Minnesota State Building Code. No
5. Who are the parties affected or segments of industry affected by this proposed code change? Fan systems
6. Can you think of other means or methods to achieve the purpose of the proposed code change? If so, please explain what they are and why your proposed change is the preferred method or means to achieve the desired result. No
7. Are you aware of any federal requirement or regulation related to this proposed code change? If so, please list the regulation or requirement. No