

**ADVISORY COMMITTEE COMMENT FORM**  
**FOR PROPOSED CODE CHANGES**  
(This form must be submitted electronically)

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**1323, CE- 55 (also see CE-34a)**

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**Proposed Code Change - Language**

2012 IECC Chapter 4 COMMERCIAL ENERGY EFFICIENCY  
Section C403.2.2 Equipment and system sizing.

Revise as noted:

**Under Section C403.2.2 Equipment and system sizing:** Add the following additional exception:

3. Heating and cooling equipment sizing may be up to 10% greater than the calculated peak heating and cooling loads to allow for building pickup and cool down after temperature setback conditions.

**Proposed Code Change – Need and Reason**

The oversizing of the heating and cooling equipment is appropriate to allow for the occupied building temperature to be more quickly attained after unoccupied setback/setup conditions, particularly after a weekend when the outdoor conditions have been extreme, either cold or hot. That oversizing in most cases does not result in increased energy consumption, as modern equipment with digital controls operates more efficiently at part load conditions.

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

The benefit of allowing slight oversizing of heating and cooling equipment is to provide reasonable building occupied temperature recovery times.

## 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?
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