

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

SAC-2, MN 1303.1800 Radial Ice on Towers  
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**Proposed Code Change - Language**

1303.1800 (Repealed)

**Proposed Code Change – Need and Reason**

MN amendment 1303.1800, Radial Icing on Towers, added a needed requirement which was not in the model code adopted in 2007 (2006 IBC). The 2012 edition of the IBC, however, contains Section 1614 Atmospheric Ice Loads and references Chapter 10 of the ASCE-7 (Section C10.0 Ice Loads—Atmospheric Icing) which contains the necessary requirements and references. While Section 10.1.3 of the ASCE 7-10 excludes electric transmission systems, communications towers and masts, and other structures for which national standards exist; this section references national standards NESC, ASCE Manual 74, and ANSI/EIA/TIA-222 for these structures. Also, requirements for Telecommunication and Broadcast Towers are included in 2012 IBC section 3108 referencing TIA-222.

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

There is insufficient current data/research for Minnesota to support any revision to the national standard. If requirements were to vary from the national standard, there is concern of inadequate structure for uniform and non-uniform ice build-up. The national standard lists requirements by county. There will be an increase in requirements in some counties, and therefore an increase in cost in some counties. Requirements and associated costs will vary based on location and based on type/size of structure.

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

1. Is this proposed code change meant to:

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

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).

X delete language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s). MN 1303.1800 Radial Ice on Towers

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? Engineers, contractors, building owners.

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. In-line with national standards.

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