

**MN Rule 1323 Advisory Committee
Commercial Energy Code
Meeting Notes No. 2**

Meeting Date: January 17, 2012

Advisory Committee Members Present:

Name	Present	Absent
Scott Nelson – Chair (DLI)	X	
Don Sivigny – Co-Chair (DLI)	X	
Alison Lindburg – Fresh Energy	X	
Bruce Nelson – Dept. of Commerce	X	
Clark Kube - AMBO	X	
Dave Bryan - AIA	X	
Eric Boyd – Dept. of Commerce (Alt. for Bruce Nelson)	X	
Mumtaz Anwar - AMBO	X	
Steve Kismohr - MEEA	X	
John Smith - BOMA	X	
Les Blackwell – MAPMO	X	

Guests Present:

Name	Present	Absent
Gary Thaden – MMCA		X
Colleen Chirhart – DLI		X
Mike Fischer – PIMA (Polyisocyanurate Insulation Manufacturers Assoc.)	X	
Mark Mikkelson – Andersen Window		

The meeting was called to order by Scott Nelson, at 9:00 am.

APPROVAL OF MEETING NOTES

The Meeting Notes from meeting 1 were not reviewed.

OLD BUSINESS

- 1-1. Colleen Chirhart gave a presentation on the role of the Advisory Committee and how to propose changes to the published code. This included going over the dli website at www.dli.mn.gov, 3 policies, rules schedule, the proposed change form on the website, the revisors web site at www.revisor.mn.gov, general rule making information including what a SONAR (Statement of Need and Reasonableness) is, and what information is required for each SONAR that is submitted.

- 1-2. The Minnesota Energy Code Rule 1323 now in use took effect on June 1, 2009, and is based on ASHRAE Standard 90.1-2004 with Minnesota amendments. Only the amendments are

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posted at the DLI website. For complete code requirements, the ASHRAE 90.1 – 2004 Standard needs to be used with the amendments.

- 1-3. The Energy Code being proposed is to use the 2012 International Energy Conservation Code (IECC) with new Minnesota amendments. This code will allow the use of ASHRAE Standard 90.1-2010, but if there are questions on that Standard, they need to be asked of ASHRAE. Questions on the IECC can be directed to the Department of Labor and Industry (DLI).
- 1-4. Don Sivigny handed out proposed Minnesota amendments that have been prepared to date for the committee members to review.
- 1-5. This committee will only be looking at the commercial provisions of the IECC (chapters beginning with “C”). The 2012 IECC book includes the ANSI/ASHRAE/IES Standard 90.1-2010, but we will not be looking at the ASHRAE section.
- 1-6. Chapter 4 of the IECC adopts ANSI/ASHRAE/IES Standard 90.1-2010. If someone wants to use the ASHRAE Standard, it must be the 2010 version. Using the current 2004 version would not be allowed.
- 1-7. When a change is being proposed, it needs to be based on the 2012 IECC publication, or the already assembled proposed MN amendments.
- 1-8. MN Rule 1300 is the Administrative Code that applies to all codes. Rule 1323 applies to commercial buildings and all buildings four stories and higher, even if they are of residential type occupancy.
- 1-9. This committee does not approve products. The code describes required performance.
- 1-10. The IECC does not address “vapor barriers/retarders.” The committee needs to verify if these are being addressed as a part of the IBC.
- 1-11. IECC discussed heating and cooling loads calculated as described in ASHRAE Standard 183. John Smith will obtain a copy of that Standard for review.
- 1-12. Chapter 5 is “Referenced Standards.” If this committee identifies other standards that should be referenced, they can be added by amendment.
- 1-13. At the next meeting on January 17, 2012, we will review chapters 1, 2, 3 and 5, plus the proposed amendments that have already been assembled, and, if there is time, the first part of chapter 4. If there are proposed changes, those written proposals need to be sent to Scott Nelson by no later than 4:00 pm on January 9, 2012 to be reviewed on January 17th.

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NEW BUSINESS

- 2-1. Acronyms of organizations will be posted on the web site.
- 2-2. This meeting starts the process of reviewing Proposed Code Changes. Each proposed change will be discussed and a vote of whether to accept or not taken. The votes are for consensus only, and are not binding.
- 2-3. Proposed Code Change 1323, CE-1: Intended to correct definition caused by editing error. Vote: 10 accept, 0 reject.
- 2-4. Proposed Code Change 1323, CE-2: Add wording requiring replacement glass energy performance meet or exceed what is being replaced. Usually difficult to identify the U and SHGC values of glass, especially older glass. Description after “Exception” which states “provided the energy use of the building is not increased” already addresses the glass performance. Vote: 0 accept, 10 reject.
- 2-5. Proposed Code Change 1323, CE-3: Identifies wording in current energy code that addresses existing wall insulation requirements. Proposal conflicts with exception 3 of same section. Vote: 0 accept, 10 reject.
- 2-6. Proposed Code Change 1323, CE-4: Identifies wording in current code that addresses small openings that are cut into existing walls. The wording needs to address maintaining the integrity of air and vapor barriers, and needs to be coordinated with requirements of exception 3. In concept, felt to be a good item but needs some rewording. Vote: 1 accept, 9 reject. Action: Rework and resubmit.
- 2-7. Proposed Code Change 1323, CE-5: Adds temperature at which insulation materials are to be rated. After this proposal was submitted it was found that IECC C303.1.4 addresses the temperature requirements. This proposal was withdrawn.
- 2-8. Proposed Code Change 1323, CE-6: Proposes additional information on location of air barrier be provided with documents. Recommended that the following wording be considered for C103.2: “delineating the air barrier and showing continuity between roof, wall, foundation and around frames and sleeves at openings.” Tabled for now – a subcommittee will work on.
- 2-9. Proposed Code Change 1323, CE-7: Proposed additional wording on vapor barrier requirements. After review, the concern about the vapor barrier is already covered in other sections of the code. Vote: 0 accept, 10 reject.
- 2-10. Proposed Code Change 1323, CE-8: Proposed language to identify additional causes of air infiltration. Vote: 10 accept, 0 reject.

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- 2-11. Proposed Code Change 1323, CE-9: Identifies additional space temperature settings. Concern was that there was no clear method of approving alternate space temperatures. Item will add the wording at the end “as approved by Authority Having Jurisdiction (AHJ)”. Vote based on revised wording: 10 accept, 0 reject. Item will be revised.
- 2-12. Proposed Code Change 1323, CE-10: Adds air barrier to definition of Building Thermal Envelope. The word at the end of the sentence is to read “unconditioned” (typo). Discussion of the air barrier in the assembly being addressed elsewhere in the code. Vote based on corrected wording: 8 accept, 2 reject.
- 2-13. Proposed Code Change 1323, CE-11: Ammends ASHRAE 90.1 requirements. This item identifies that there are be different requirements of the 2012 IECC and the ASHRAE 90.1-2010, which may have unintended results as both are acceptable method of complying with the code. A subcommittee will review the differences.
- 2-14. Proposed Code Change 1323, CE-12: Identifies reroofing exception. After discussion, it was identified that deleting the text will eliminate the requirement to insulate existing roofs/cavities, which was not the desired result. Exception 5 is to remain as is, and exception 6 added (which requires renumbering C101.4.3 exceptions 6 – 8) as follows: “6. Reroofing for roofs not covered by section C402.2.1.2.” This proposal is connected to CE-14, which added C402.2.1.2. Vote: 8 accept, 2 reject.
- 2-15. Proposed Code Change 1323, CE-13: Proposes requirements for low pitch roofs. Words in last sentence of exception “permitted to be” will be removed to provide more clear wording. Vote based on revised wording: 10 accept, 0 reject.
- 2-16. Proposed Code Change 1323, CE-14: Provides a definition of roof replacement. Vote: 10 accept, 0 reject.

ONGOING INFORMATION

- 1-1. Review 404 up to but not including 403.3 for next meeting. Proposal due by Monday, January 23 at no later than 4:00 pm.

STATUS OF PROPOSED CODE CHANGES THAT HAVE BEEN REVIEWED

- 1323, CE-1: Accepted.
- 1323, CE-2: Rejected.
- 1323, CE-3: Rejected.
- 1323, CE-4: Rejected. To be reworked by John Smith and resubmitted.
- 1323, CE-5: Withdrawn.
- 1323, CE-6: Tabled. Subcommittee headed by David Bryan will work on.
- 1323, CE-7: Rejected.

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- 1323, CE-8: Accepted.
1323, CE-9: Accepted based on proposed revised wording. To be reworked by John Smith and resubmitted.
1323, CE-10: Accepted with corrected wording. Bruce Nelson will correct and resubmit.
1323, CE-11: Tabled. Subcommittee of John Smith, David Bryan and Alison Lindberg will work on comparing IECC and ASHRAE requirements.
1323, CE-12: Conditionally accepted. To be reworked by Mike Fischer and resubmitted.
1323, CE-13: Accepted based on proposed revised wording. To be reworked by Mike Fischer and resubmitted.
1323, CE-14: Accepted.

ITEMS TO REVIEW WITH OTHER GROUPS

- 1-1. None

CODE CHANGE TRACKING FORM

- 1-1. None

Adjourn. The meeting adjourned at 12:55 p.m.

If you cannot make a future meeting and know it, please notify Scott Nelson so that he can take this into account when developing the meeting agenda.

Future meetings will be held at Department of Labor and Industry Building located at 443 Lafayette Road North, St. Paul, MN. Future meeting dates:

January 31, 2012 at 9:00 am: Review 402 to 403.3

February 14, 2012 at 9:00 am: Review chapter 4

February 28, 2012 at 9:00 am: Review chapter 4