

**MN Rule 1322 Advisory Committee
Residential Energy Code
Meeting Notes No. 5**

Meeting Date: March 21, 2012

Advisory Committee Members Present:

Name	Present	Absent
1. Don Sivigny – Chair (DLI)	X	
2. Scott – Co-Chair (DLI)	X	
3. Eric Boyd (Dept of Commerce)	X	
4. Hans Hagen (BAM)	X	
5. Karen Linner (BAM)		X
6. Russell Thornberg (AMBO)		X
7. Bryan Kerby (NAHB)	X	
8. Rick Kot (BATC)		X
9. Isaac Elnecave (MEEA)		X
10. Jack Rossbach (self)	X	
11. Bob Baumann (AMBO)	X	
12. Mark Cross (Greater MN Builders)	X	
13. Mark Sigel (MMCA)		X
Alternate:		
Gary Thaden (MMCA) (for Mark S)		X
Cary Becker (BATC)	X	
Bruce Nelson (Dept of Commerce)	X	
Steve Kismohr (MEEA)	X	
Interested Party		
Allison Lindburg (Fresh Energy)	X	
Tim Manz- ASHRAE	X	
Mark Mikkelson- Anderson Window		X
Mike Fisher- PIMA	X	
Lloyd Grooms	X	
John Easter	X	
Lisa Frenette	X	
Jackie Holstrom	X	
John Haluska	X	
Steve Johnson (Anderson Windows)		X
Pam Perri (BAM)		X

Guests Present:

Name	Present	Absent
Steve Hernick (DLI)	X	

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The meeting was called to order by Don Sivigny, co-chairman, at 9:05 am.

APPROVAL OF MEETING MINUTES

N/A

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 web site 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. Don Sivigny handed out a 2012 IECC book to members and a draft of proposed Minnesota amendments that have been prepared to date for the committee members to review. Don also reviewed the proposed 1322 draft with the committee.
- 1-3. Meeting was adjourned at 11:45 with the following assignments:
A. Review Chapters 1,2,3 and 5 in the 2012 IECC
B. Any Proposed changes to Chapters 1,2,3 and 5 need to be electronically given (using the Proposed Change Form-not on the website) to Don Sivigny at Don.Sivigny@state.mn.us by 4pm January 11, 2012.
C. Next meeting date is January 19, 2012 at 9am Isanti conference room at DLI.
- 2-1 No meeting was held on January 19, 2012 due to no proposed changes submitted.
- 2-2. Agenda items 1-4:

Don Sivigny (chair) reminded attendees of the scheduled 1322 meeting dates and requirements which include: February 16 and March 1.

Don also reminded everyone of the committee and adoptions process.

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2-3 Agenda item 5: Review of proposed changes

1. RE-1: IECC section R101.4.3. Proposes to add a sentence (verbatim) that already exists in MN Rule 1322 (1322.1102.6.4). Committee voted 100% consensus YES to this proposal with a change of the word “may” to “shall.” **3/12/2012: This proposal was rejected in favor of RE-1A**

a. There also was discussion on the word “accessible”. There is a difference in definition between the IRC and IECC. Proposer is looking into the need to address this definition difference.

2. RE-2: Proposes to add the thermal insulation requirements in MN rule chapter 7640 to the 2012 IECC as a new section R303.1.5. This also is an existing amendment in 1322. **Committee voted 100% consensus YES to this proposal with a change to the word “ must” to “shall.”**
3. RE-3: Proposes to have blower door testing before the interior wall finishes are installed. Blower door tests are typically done causing a negative pressure in the building which could hurt some building materials being drawn inward to the building. Proposer **withdrew** this proposal.

2-4 Agenda item 6: Don Sivigny reminded the committee of the next meeting date, time, and assignments, they are:

Next meeting date: February 16, 2012 (proposed changes need to be sent to Don by 4pm on February 8th.)

Next meeting time: 9am at DLI

Assignment: IECC section R 403 in total.

2-5 Meeting adjourned at 10:05am

- 3-1 Agenda items 1-4: Don Sivigny opened the meeting at 9:05am and discussed who was at the meeting and meeting protocols. No introductions were made since the committee attendees all knew each other. Don reminded the committee that the last meeting would likely be March 1 and that proposed amendments for sections R404-405 of the 2012 IECC would be the first priority for discussion. Older sections still could have proposals submitted as time allows.

3-2 Agenda item 5:

1. RE-4: Proposal for modifying draft code language in table R402.1.1 to make the R-21 to R-28. Discussion centered around the lack of data to prove the reasonableness to do this. **Proposer withdrew proposal.**
2. RE-5: Proposal for modifying draft code language in table R402.1.1 to make the R-21 to R-20 (basically proposal says to use the 2012 numbers in table R402.1.1). There was

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discussion on the difference between ARRA requirements vs the EPCA requirements. ARRA compliance is connected to stimulus money given to the State. Also lack of data to support this proposal was discussed. This proposal was **tabled** until more data background is discussed and the Need and Reasonableness reflected the support data.

3/21: More discussion that appeared to be split in RE-5 support.

3. RE-6: Proposal for clarifying 1322 duct insulation requirements (in table form). Committee supported proposal with some format and wordsmithing changes. MEEA is checking with DOE as to any conflicts or their support. With today's input and DOE's support a vote can be taken on this proposal at the next meeting. Proposer will resubmit. 3/12/2012 Proposer **resubmitted but tabled as RE-6A.**

3/21: More discussion on changing R-3.5 value to R-6. Committee supported R-6. Tim M will resubmit RE-6A with R-6 values.

4. RE-7: Proposal to allow oversizing of heating and cooling equipment (43% heating and 21% cooling- same as today's code) for section 403.6. **Committee 100% approved.** However, the current draft already has this allowance in section R403.5.17. Proposer **withdrew** this proposal since info is already in draft.

3-3 Agenda item #6:

1. Next meeting **March 1** at 9am-1pm at DLI
2. Proposed changes due date: **February 22, 2012** (Wednesday).

3-4. Agenda item #7:

Final items were discussed regarding upcoming new proposed changes. Meeting was adjourned at 12:15pm.

4-1 Agenda items 1-4: Don Sivigny opened the meeting at 9:05am and welcomed everyone. There were a large number of interested parties present so everyone introduced themselves. Don reminded everyone of the committee process and the potential for another meeting on March 21 if the proposals couldn't be finished at today's meeting.

4-2 Agenda item #5:

#1. RE-1A: This proposal achieved **100% consensus YES**. Another vote was taken on RE-1. 100% consensus was achieved to **reject RE-1**.

#2. RE-5: This proposal takes the Draft and changes it to reflect the 2012 R- values (basically takes out the R-21 in the draft). There was a lengthy discussion on the energy savings of R-21 vs 2012 IECC values. This proposal was **tabled** until more energy savings information can be presented.

3/21: After discussion committee was divided in support for RE-5.

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#3. RE-6A. Tim Manz (proposer) was not present. However, Isaac E. has checked with PNL and said the proposed table would meet 2012 IECC except for the “within cement slab or within ground” value of R-3.5 needs to be R-6 since this location is outside conditioned space. Isaac will provide a written PNL statement re: the fact that the proposed table will meet the 2012 IECC (except for the R-3.5) and will talk to Tim M regarding the committee’s discussion. This proposal was **tabled** until the info required is presented to the committee.

3/21: After discussion of replacing R-3.5 with R-6 committee supported RE-6A.

#4. RE-8: Isaac has also checked with PNL and they believe the proposal meets the 2012 IECC. The committee requested a written PNL statement to this effect and Isaac will provide that for the next meeting. This proposal was **tabled** until this info is received.

3/21: RE-8A was discussed. Committee supported RE-8A.

#5. RE-9: There was a lengthy discussion regarding the insulation and moisture information put in the proposal. Consensus **rejected** the proposal.

#6. RE-10: This proposal was **tabled**.

3/21: After discussion committee was not in support of this proposal.

#7. RE- 11: **Tabled** awaiting more info from proposer.

3/21: After discussion committee was not in support of this proposal.

#8. RE-12: Blower door testing discussion. Consensus **rejected** proposal.

#9. RE-13: This was **withdrawn** on 2/3/2012.

#10. RE-14: 100% **consensus YES**.

#11. RE-15: 100 % **consensus YES**. However, Solar info in in MN Rule 1325.

Also, RE-7 was **withdrawn** by the proposer.

Committee was adjourned at 4:35pm.

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NEW BUSINESS

5-1: Agenda items 1-3. Don Sivigny opened the committee meeting at 9:05am. Each person attending introduced themselves.

5-2: Agenda item 4:

#1. RE-8A. After discussion the committee supported this proposal.

#2. RE-16. Committee discussion of this proposal resulted in proposer **withdrawing** the proposal.

5-3: Agenda item 5:

Other tabled items, from past meetings, were discussed including:

RE-5: Committee was **divided** in supporting RE-5

RE-6A: Committee was **in favor** of supporting RE-6A (however, proposer is sending correct R-6 values in table to Don).

RE-10 : Committee was **not in favor** of RE-10

RE-11: Committee was **not in favor** of RE-11.

Don thanked the advisory committee, alternates, and interested parties for their participation and effort put into the adoption process for MN Rule 1322 and the meeting was adjourned at 11:05AM.

ONGOING INFORMATION

5-1. Advisory committee has met Jan 5, Feb 2, Feb 16, March 12, and March 21, 2012.

SONARs to develop

1-1. None

ITEMS TO REVIEW WITH OTHER GROUPS

1-1. None

CODE CHANGE TRACKING FORM

1-1. None

Meeting agendas and notes can be seen on the dli website at www.dli.mn.gov

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No future meetings are planned after March 21, 2012.