**Technical Codes and Standards Board Meeting Minutes**

**Department of Public Safety**

**Office of State Fire Marshal**

**January 23 , 2020 10:00 a.m.**

**Board members present**: Marc Veilleux, Steve Wintle , Dave Matero, Steve Martel, Mike Stoddard , Jeremy Martin ,Michael Pullen, Eric Dube

**Excused**: Ben Breadmore, Randy Poulton

**Staff present**: Rich McCarthy

**Review of December 19th, 2019 Meeting Minutes**

Motion to accept minutes – Eric Dube

Second- Marc Veilleux

7-0 vote one abstention

**Financial Report**: $654,824

The Building code surcharge continues to bring in sufficient funds to allow for the 2 new positions and the training budget to be funded without reducing the fund balance below allowable levels.

**Report from Board Chair – Richard McCarthy**

 The new database that we have been working on for the last few months goes live on March 16th and will be a vast improvement to the previous database. There is a 2 day IBC training that has been scheduled in conjunction with The Maine Fire Chief’s Association and MBOIA. Rich is waiting for both positions for the building code section to be posted. Rich will let the Board know when the positions are posted.

**Legislative update**

Rich explained about LD 1962 which is a bill to require propane and natural gas detectors to be installed in all commercial structures. A discussion occurred in reference to LD 1981 the bill that affects tiny houses, at the time of the meeting no wording had been provided.

**Unfinished Business**

There was a discussion around the IECC and IMC TAG meeting some Board members thought that the residential ventilation discussion was not as complete as it should have been. There were concerns about some of the estimated costs associated with HRV units with estimated costs ranging between $3,000-$5,000. Members want more information before a decision can be made. Many of the cost estimates give a payback time frame of approximately 8 years. Board members expressed some concerns with removing parts of the code and trying to keep the requirements as simple as possible to assist in compliance. There was a short discussion of adopting the 2018 or waiting for the 2021 IECC , but after some discussion it was determined to stay with the 2015 edition of the IECC. There was some concern that the TAG meeting was not a great representation of supporters and opponents of the energy code. It was explained that this is a public process and that during public hearings people will be able to submit comments. The Board overall has requested that training be at the top of our list of our new program, Rich explained what his plan is for training which should fill the void that is currently there.

**New Business**

The Board proceeded to then vote on the 12 items brought up at the TAG meeting by Steve Wintle the votes are as follows.

Item 1 402.1.2 Insulation criteria

R402.1.2 Insulation and fenestration criteria. The

building thermal envelope shall meet the requirements of

Table R402.1.2, based on the climate zone specified in

Chapter 3.

Ceiling R-49, Woodwall R20+5 or R13+10, Mass wall R 15/20, Floor R30,

Basement R 15/19, Slab R10, 4’, Crawlspace 15/19

Jeremy Martin – Motion to accept

Marc Veilleux – second

Vote Unanimous

Comments during discussion were there needs to be training on this topic.

Item 2 402.2.3 Eave baffles

R402.2.3 Eave baffle. For air-permeable insulations in

vented attics, a baffle shall be installed adjacent to soffit

and eave vents. Baffles shall maintain an opening equal or

greater than the size of the vent. The baffle shall extend

over the top of the attic insulation. The baffle shall be permitted

to be any solid material.

Jeremy Martin- Motion to accept

Steve Martel - second

Vote Unanimous

Item 3 402.4.1.2 air sealing

R402.4.1.2 Testing. The building or dwelling unit shall

be tested and verified as having an air leakage rate not

exceeding five air changes per hour in Climate Zones 1

and 2, and three air changes per hour in Climate Zones

3 through 8. Testing shall be conducted in accordance

with ASTM E 779 or ASTM E 1827 and reported at a

pressure of 0.2 inch w.g. (50 Pascals). Where required

by the code official, testing shall be conducted by an

approved third party. A written report of the results of

the test shall be signed by the party conducting the test

and provided to the code official. Testing shall be performed

at any time after creation of all penetrations of

the building thermal envelope.

During testing:

1. Exterior windows and doors, fireplace and stove

doors shall be closed, but not sealed, beyond the

intended weatherstripping or other infiltration

control measures.

2. Dampers including exhaust, intake, makeup air,

backdraft and flue dampers shall be closed, but

not sealed beyond intended infiltration control

measures.

3. Interior doors, if installed at the time of the test,

shall be open.

4. Exterior doors for continuous ventilation systems

and heat recovery ventilators shall be closed and

sealed.

5. Heating and cooling systems, if installed at the

time of the test, shall be turned off.

6. Supply and return registers, if installed at the

time of the test, shall be fully open.

With the additional requirement that if there is combustion equipment there is a CAZ test, with the requirement phased in over 36 months

Jeremy Martin-motion to accept

Eric Dube-second

Unanimous

Item 4 402.4.4 Rooms containing fuel burning appliances

R402.4.4 Rooms containing fuel-burning appliances. In

Climate Zones 3 through 8, where open combustion air

ducts provide combustion air to open combustion fuel

burning appliances, the appliances and combustion air

opening shall be located outside the building thermal

envelope or enclosed in a room, isolated from inside the

thermal envelope. Such rooms shall be sealed and insulated

in accordance with the envelope requirements of

Table R402.1.2, where the walls, floors and ceilings shall

meet not less than the basement wall R-value requirement.

The door into the room shall be fully gasketed and any

water lines and ducts in the room insulated in accordance

with Section R403. The combustion air duct shall be insulated

where it passes through conditioned space to a minimum

of R-8.

Exceptions:

1. Direct vent appliances with both intake and

exhaust pipes installed continuous to the outside.

2. Fireplaces and stoves complying with Section

R402.4.2 and Section R1006 of the International

Residential Code

Jeremy Martin- motion to remove section from code

Steve Martel- second

Unanimous

Item 5 403.2 Hot water boiler setback

R403.2 Hot water boiler outdoor temperature setback.

Hot water boilers that supply heat to the building through

one- or two-pipe heating systems shall have an outdoor setback

control that lowers the boiler water temperature based

on the outdoor temperature

Jeremy Martin- motion to accept

David Matero- second

Unanimous

**Public Comment**

Bill Nash from the ICC added that many states add and subtract items from the code due to regionality.

Meeting adjourned at 12:00 p.m.

Respectfully submitted,

Rich McCarthy, Chair