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STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
STATE BUILDING CODE COUNCIL

P.O. BOX 119, HONOLULU, HAWAII 96810-0119

State Building Code Council (SBCC) Meeting
Tuesday, August 21, 2018
9:00 a.m.

Department of Accounting and General Services
Public Works Division Conference Room 426
Kalanimoku Building
1151 Punchbowl Street
Honolulu, Hawaii 96813

West Hawaii Civic Center
Building "E", First Floor
74-5044 Ane Keohokalole Highway
Kailua-Kona, Hawaii 96740

Telephone Call-In – 1-240-454-0879 Access Code: 93910315

Minutes

1. Call to Order
The meeting was called to order at 9:04 a.m.
2. Introductions and Public Comments
 - a. The attendees introduced themselves.
 - b. Members reviewed and discussed the subject of mass wall construction in the building code. Gino Soquena of the Masonry Institute of Hawaii, stated that a University of Louisville study on mass walls in the tropical climate zones where the R-value would not have to be met. The alternative to insulating exterior walls to obtain R5 value would be to provide shade.
 - c. Matt Brady of the Plumbers & Pipefitters Union Local 675 discussed the Uniform Plumbing Code (UPC) and the International Plumbing Code (IPC). He stated that licensed plumbers are trained to the UPC 2015 edition, but are

subject to a four hour course on the IPC 2015 edition, and 90% of licensed plumbers have completed this course. Therefore, he recommended adoption of the most current code. He also expressed a desire for clarity and standardization regarding which edition of the IPC to use.

- d. Blake Reid from Terrawatt stated blower door testing supports maintaining it in the energy code. Member Haigh stated Kauai requires blower door testing on a fully air conditioned (A/C) residential structure. Blower door is not applicable in the Tropical Code except in specific cases. Blake Reid claimed contractors are hesitant on blower door testing, but it's a relatively simple procedure. Member Reinhardt suggested Mr. Reid contact the American Institute of Architects Honolulu to advise on blower door testing availability in Hawaii. Blower door testing is optional in Honolulu and Maui counties, whereas Kauai's code language contains "shall". Blower door testing measures the amount of air leakage on A/C homes and the acceptable allowances for A/C efficiencies.
3. Review and approval of minutes of the July 10, 2018 meeting.

Motion: Member Haigh motioned to approve the July 10, 2018, meeting minutes. The motion was unanimously approved.

4. Discussion of Administrative Coordination
 - a. Member Rogers stated administrative coordination consists of working with Department of Accounting and General Services (DAGS) to obtain Federal Emergency Management Agency (FEMA) grant funds.
 - b. The administrative rule process is not a SBCC responsibility and subsequently no hearing will be held at the Small Business Regulatory Review Board. Members agreed to complete the Small Business Impact Statement for each approved code and have it posted on the SBCC website.
 - c. Member Serikaku reviewed the 12-steps for the code adoption process that was previously drafted. Member Rogers recommended shortening or simplifying the list and suggested documenting the person who will execute the steps. He will attempt the revisions.
 - d. Attendees discussed the appropriate level of public engagement for the building code adoption process. Paul Kane from the Bergemann Group recommended representation from the Hawaii insurance industry in the code adoption process. The Hawaii Insurers Council and the State Insurance Commission were suggested as possible attendees. Chair will make contact to invite.

5. Discussion of 2019 Proposed Legislation

There were no updates or discussion.

6. Final Consideration and Approval of the National Electrical Code 2017 edition as the next State Electrical Code.

The NEC 2014 was adopted through the Administrative Rule process. Local electricians train to the most recent code and the solar industry supports adoption of the most recent code.

Motion: Member Haigh motioned to approve the adoption of the National Electrical Code, 2017 edition as the Hawaii State Electrical Code. The motion was unanimously approved. No negative comments were made from International Brotherhood of Electrical Workers' Union, but its representative asked if the Tentative Interim Amendments (TIA's) would also be adopted. Response was no because the TIA's are constantly changing.

7. Final Consideration and Approval of the Uniform Plumbing Code (UPC) 2012 edition as amended as the next State Plumbing Code

Members reviewed and discussed which code version should be followed because plumbers are testing on the 2015 version but practice the 2012 version in the field. According to Dwight Perkins from the International Association of Plumbing and Mechanical Officials (IAPMO); plumbers test to UPC; there is no review of IPC prior to adoption; and within the UPC Chapter 3, alternative provisions may be allowed. Members discussed the value to insert "2012" to IPC in code language.

Motion: Member Dillon motioned to approve the revision to add in the 2012 edition of the IPC as an alternative code to the UPC 2012 edition. The motion was unanimously approved.

Motion: Member Haigh motioned to approve the UPC 2012 edition, as amended, as the next State Plumbing Code. The motion was unanimously approved.

8. Updates from the investigative committees:

a. Investigative committee for the structural provisions for the IBC and the IRC

There was no update.

b. Investigative committee for the non-structural provisions of the IBC and the IRC.

Committee Chair Jim Reinehardt stated he should have the IBC 2012 edition justifications distributed before the next meeting.

- c. Investigative committee for the International Energy Conservation Code (IECC)

Chair Wiig stated the Pacific Northwest National Laboratory was queried to study whether the Tropical Code is more stringent than the IECC. He will provide an update at the next meeting.

- d. Investigative committee for the Uniform Plumbing Code

Member Serikaku stated the UPC 2018 edition contains no significant changes and recommended adoption without amendments. A discussion took place on the value to contact a representative from the Hawaii Realtors Association as a method to engage the public.

- e. Investigative committee for the Green Code

There was no update.

- f. Investigative committee for the Mechanical Code

Member Rogers stated he did not receive a response from the State Department of Health, Indoor and Radiological Health Branch on future attendance and participation at SBCC meetings to comment on the progress on adopting a State Mechanical Code. There was a general discussion on the State's jurisdiction for air conditioning and ventilation systems being for commercial buildings.

- g. Investigative committee for the State Fire Code

Gary Lum of the State Fire Council (SFC) stated the State Deputy Attorney General has not completed his review of the 2015 Fire Code. He also stated that the SFC Fire Prevention Committee will meet in October to discuss the National Fire Protection Association Fire Code 2018 edition amendments.

- h. Investigative committee for the energy efficiency code coordination

There was no update.

- i. Investigative committee for the State Electrical Code

Chair Wiig stated at next the meeting, a guest from the public will discuss impact and issues related to electrical micro grid and storage.

j. Investigative committee for the State Elevator Code

Bert Yorita of the State Elevator Inspection Branch stated the State has no current Elevator Code, since its last adoption of various 2010 and 2011 editions of national standards. He discussed the inclusion of the IBC Chapter 30, which has been deleted in the past, emergency elevator evacuation systems required in high rise buildings 40 or more stories tall, and the impact of deletion of hoist way ventilation systems, which was covered before by Chapter 30 of the IBC. Also, included as part of Chapter 30 was the requirement for emergency power for elevators, and the additional requirement for “gurney” sized elevators for certain buildings and facilities.

9. Update on communication and training

Chair Wiig stated that a request was made for Energy Code training in the future.

10. Update on county and state adoption of building codes

Kauai County is moving forward, hopefully by November, 2018, to adopt the UPC 2012 edition, the IECC 2015 edition, and now the NEC 2017 edition. Maui is progressing on adopting the IECC 2015 edition.

11. Discussion of possible agenda item(s) for next Council meeting

Clock on county adoption started on two SBCC approved codes.

10. Announcements

There were no announcements.

11. Next meeting: September 18, 2018, at 9:00 a.m.

Members discussed and approved moving the November meeting date to the 13th due to the presence of an energy code expert for an AIA design symposium in Honolulu on November 14th.

12. Adjournment

Motion: Member Serikaku motioned to adjourn the meeting at 11:23 a.m. The motion was unanimously approved.