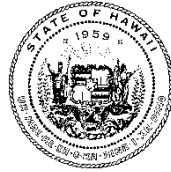


**DAVID Y. IGE**  
GOVERNOR

**JOSH GREEN**  
LT. GOVERNOR



Curt T. Otaguro  
Comptroller

AUDREY HIDANO  
Deputy Comptroller

**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, March 19, 2019  
9:00 a.m.

Department of Accounting and General Services  
Comptroller's Conference Room 410  
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

**Amended Minutes**

Members Present:

Howard Wiig	SBCC Chair Hawaii State Energy Office
Tyler Dillon	SBCC Vice Chair General Contractors Association (GCA) of Hawaii
Willard Nishigata	SBCC Member County of Honolulu
Douglas Haigh	SBCC Member County of Kauai
Glen Ueno	SBCC Member County of Maui

Richard Meyers	SBCC Member American Institute of Architects (AIA)
Lloyd Rogers	SBCC Member State Fire Council Administrative Specialist
Gregg Serikaku	SBCC Member Subcontractors Association of Hawaii
Lyle Carden	SBCC Member Structural Engineers Association of Hawaii (SEAOH)

Members Not Present:

Neal Tanaka	SBCC Member Hawaii County Department of Public Works
Dennis Mendoza	SBCC Member Department of Labor and Industrial Relations Elevator Division (DLIR)

Other Attendees

Kraig Stevenson	International Code Council (ICC)
Lee Clifton	ICC
Stella Kam	Deputy Attorney General
Gary Chock	Martin and Chock Inc.
Sehun Nakama	Hawaii Energy

1. Call to Order

The meeting was called to order at 9:08 a.m.

2. Introductions and Public Comments

- a. Kraig Stevenson, from the International Code Council (ICC), brought copies of the International Energy Conservation Code (IECC) and the International Green Construction Code that would be for the president or other officer of the Hawaii Association of County Building Officials. ICC will also provide a complimentary attendance for the ICC's annual fall leadership academy.

- b. Mr. Stevenson explained that the ICC has two hearings every code cycle, which the action committee can vote to approve or disapprove amendment proposals. Any ICC member can make a floor proposal to overturn the action committee's vote. Amendment proposals can be made online by any member, but a two-thirds governmental vote will determine approval or not.
  - c. Chair Wiig stated each of the counties have ICC governmental votes. The upcoming 2021 IECC will require additional clean energy provisions.
  - d. Mr. Stevenson provided a review of the formation of the ICC following the publication of the 1997 codes, when the three national code organization joined together to create the I codes. Following the IBC 2012 edition, swimming pool requirements were removed and the ICC and professionals from the National Drowning Prevention Alliance supported the development of the International Swimming Pool and Spa Code. The code includes plumbing, electrical and barrier provisions to reduce child drownings. Dwight Perkins of the International Association of Plumbing and Mechanical Officials (IAPMO), stated that IAPMO also has a swimming pool code.
  - e. Members discussed the state building code applying to state projects and the county code applying to private projects. Normally State projects will get a county building permit approval and if there are conflicts between the county and state codes, the stricter provisions will apply.
  - f. Rick Meyer is the official AIA representative and an official letter from the SEOAH appointing Lyle Carden as their representative is being processed.
  - g. Member Rogers requested the DLIR to send a replacement representative to the SBCC meetings.
3. Review and approval of minutes of the February 19, 2019 meeting.

**Motion:** Member Haigh motioned to approve the February 19, 2019, meeting minutes. The motion was seconded by Member Dillon and unanimously approved.

4. Discussion of Administrative Coordination

Status of the Federal Emergency Management Agency (FEMA) Grant Procurement

The memorandum of agreement between the DAGS, the SBCC, and the Hawaii Emergency Management Agency is in the final steps of completion. Budgeted funds from DAGS is available and \$60,000 is reimbursable from the FEMA grant. Once completed, bids will be solicited to fund updated, high resolution wind maps

for all the Hawaii islands to be incorporated into the Hawaii State Building and Residential Codes.

5. Discussion of Adoption of the International Plumbing Code (IPC) as an Alternate Code

Member Dillon presented proposed language and amendments for SBCC consideration to adopt the IPC and the Uniform Plumbing Code (UPC), 2018 editions, as the next state plumbing code. The intent is to preserve the option of using the IPC. Mr. Stevenson supported the proposal and gave examples of how the IPC is more cost effective by allowing a one and a half-inch drain pipe instead of a two-inch drain required by the UPC. This could apply to a shower renovation and prevent the removal of an existing one and a half-inch drain. In addition, the ICC adoption process has a balance of committee representatives from industry and government regulators, and is used in 35 states. It also has over 62,000 members, whereas International Association of Plumbing and Mechanical Officials (IAPMO), the publishers of the UPC has 5,000 members. Mr. Aguilar, of the IAPMO, stated that the UPC allows the use of a one and a half-inch drain for retrofitting and uses a consensus process that is open to anyone and is used by the American National Standards Institute and is audited. It has prescriptive, as well as performance based requirements, and is updated as advances develop in materials and design. Member Dillon requested Mr. Aguilar to provide the SBCC a list of directors and voting members of the IAPMO. Mr. Aguilar stated he will provide that information. Member Serikaku stated that the SBCC should be adopting one code, even though other codes exist and can already be used as alternatives when approved. Local plumber's training is based on the UPC and using another code adds cost. Members decided to send the proposal to the Subcommittee of Building Officials for review.

6. Discussion of 2019 Proposed Legislation

There was no discussion.

7. Updates from the investigative committees:

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

Member Carden stated the review of the 2018 IRC from the committee is almost finished except for tsunami design heights and anchor and cold formed steel amendments.

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

Member Meyer stated the committee met with Honolulu Fire Department prevention personnel and discussed certain sections of the IBC 2018 edition

that may be of concern to the fire department and may conflict with the state fire code. These include energy storage systems, medical gas systems, higher education (college) labs, and integrated fire protection systems testing. It appears that the IBC and IRC 2018 edition amendments will be very similar to the 2015 editions. It was decided to form an investigative committee to formulate recommendations for swimming pool provisions based on the International Existing Building Code and other swimming pool requirements. Committee members will include Rick Meyer, Gary Lum, Mark Kennedy and Hugo Aguilar.

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

Chair stated that the latest edition of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers standard revised the residential requirements that included a fifty percent increase in energy efficiency and electric vehicle charging capabilities. In 2018 there has been an eighty percent increase in electric vehicle sales. Chair is available to speak to any group or association on the IECC.

- d. Investigative committee for the Uniform Plumbing Code

Member Serikaku stated that the amendments for the UPC 2018 edition is progressing. Appendices need to be specifically adopted to be included in the code.

- e. Investigative committee for the Green Code

There was no update.

- f. Investigative committee for the Mechanical Code

There was no update.

- g. Investigative committee for the State Fire Code

Gary Lum stated that the committee is meeting on April 23-24, 2019, and will be finalizing its amendment package for the next state fire code that will be based on the National Fire Protection Association 1 Fire Code 2018 edition.

- h. Investigative committee for the energy efficiency code coordination

Sehun Nakama is drafting the agenda for next meeting.

- i. Investigative committee for the State Elevator Code

There was no update.

8. Update on communication and training

Chair is coordinating with Hawaii Energy and the AIA to conduct a workshop on the IECC.

9. Update on county and state adoption of building codes

Kauai adopted the IECC 2015 edition. Maui has one more County Council hearing before the IECC 2015 edition goes to the Mayor. Hawaii County will adopt the State Energy Code by default. Action on the UPC 2012 edition in Honolulu has been deferred.

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

Please contact the Chair or member Rogers with any possible agenda items.

11. Announcements

There were no announcements.

12. Next meeting: April 16, 2019, at 9:00 a.m.

13. Adjournment

**Motion:** Member Haigh motioned to adjourn the meeting at 11:24 a.m. The motion was seconded by Member Rogers and unanimously approved.