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HOSPITAL BUILDING SAFETY BOARD Codes and Processes Committees

**Tuesday, October 17, 2023
10:00 a.m. – 4:00 p.m.**

Teleconference Meeting Access:

[HBSB Teams CAP Committee](#)

Access Code: 479-530-933

Committee Members Present

Michael O'Connor, Chair
Jim Malley, Vice Chair
Cody Bartley
Louise Belair
Gary Dunger
Teresa Endres
Scott Mackey

Consulting Members Present

Kelly Martinez
Belinda Young

HCAI Staff Present

Richard Tannahill
Brett Beekman
Larry Enright
Mike Hooper
Joe LaBrie
Roy Lobo
Mia Marvelli
Diana Navarro
Carl Scheuermann
Nanci Timmins
John Gray

HBSB Staff Present

Veronica Yuke, Acting Executive Director
Marcus Palmer
Evet Torres

1. Call to Order and Welcome

- 1 Michael O'Connor, Committee Chair, called the meeting to order on October 17, 2023,
2 at 10:00 a.m., and Acting HBSB Executive Director Veronica Yuke called roll.
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2. Roll Call and Meeting Advisories/Expectations

Nine members of the Committee present constitute a quorum. There being nine present at the time of roll, a quorum was established.

Ms. Yuke read the meeting rules and procedures.

3. Review and approve the draft August 14, 2023, meeting report/minutes

Presenter: Michael O'Connor, Committee Chair

Discussion and Input

Mr. O'Connor reviewed the August 14, 2023, meeting report.

MOTION: [Mackey/Endres]

The committee unanimously voted to accept and approve the August 14, 2023, meeting reports/minutes.

Informational and Action item

- None

4. Building Standards Code Cycles

Presenter: Mia Marvelli, HCAI

Discussion and Input

Ms. Marvelli said that the 2022 California Building Standard Code, Title 24 Supplement, was at the proofing stage.

She communicated that on October 24, 2023, the Code Adoption Committee would nominate the Code Advisory Committee (CAC) members.

Ms. Marvelli gave a timeline for the 2024 Triennial Code Adoption Cycle, stating that there were two mandatory due dates to the Building Standards Commission:

- Feb 2024- submission of the California Mechanical Code (CMC), California Plumbing Code (CPC), and adoption of 2024 Mechanical and Uniform Plumbing Codes.
- May 2024 – submission of the California Administrative Code (CAC), California Building Code (CBC) vol. 1 & 2, and the California Existing Building Code (CEBC).

1 She gave a breakdown of OSHPD timeline and HBSB future meeting schedules as
2 follows:

- 3 • Early January 2024 – Codes and Processes (CAP) Committee meeting to
4 present future code changes.
- 5 • February or March 2024 – CAP committee meeting to discuss any administrative
6 code and any building code changes to volume 1.
- 7 • April 2024 – present the code changes at the HBSB full board meeting.

8
9 Ms. Marvelli talked about the California Building Standards Commission (CBSC) Code
10 Advisory Committee meetings scheduled for 2024:

- 11 • March 25-26 – Plumbing, Electrical, Mechanical, and Energy (PEME)
- 12 • July 16-17 – Structural design lateral forces CAC, CBC Vol. 2, CEBC
- 13 • July 30 – health facility meeting to present chapter 12 code changes
- 14 • 45-day Public Comment Periods
- 15 • December 14-15 – CBSC adoption meeting
- 16 • January 18-20, 2025 – CBSC adoption meeting

17
18 Ms. Marvelli stated that petition P-02-23 requested proposed code changes that would
19 allow Fire Protection Engineers to sign and submit documents and reports within their
20 field of expertise.

21
22 Mr. Enright talked about the California Mechanical Code Part 4 of Title 24 proposed
23 code changes:

- 24 • Coordinate OSHPD amendments with the ASHRAE 170, 2021 edition - The
25 current version of the CMC follows the guidelines provided in the 2013 edition of
26 ASHRAE 170.
- 27 • Revise CMC Table 4-A with ASHRAE 170-2021 - In the 2021 edition, Table 7.1
28 has been split into Tables 7.1, 8.1, and 9.1 to separate Hospital, Outpatient, and
29 Residential.
- 30 • Add essential power to cooling systems to align with federal requirements -
31 NPC5 requires a facility with minimum cooling for category 1 spaces to remain
32 operational for 72 hours.
- 33 • Exhaust discharge height for hazardous exhaust to meet national standard -
34 CMC amendments only specify discharge height for AIIR and HD compounding

1 exhaust, but ASHRAE 170 requires additional functions to have a minimum
2 discharge height.

- 3 • Recirculating unit minimum filtration to meet national standard - ASHRAE 170-
4 2021 mandates MERV 8 filtration minimum.
- 5 • Variable Air Volume (VAV) system - return VAV for sensitive spaces to maintain
6 pressure relationships - CMC 407.5.1 no longer requires VAV for all sensitive
7 spaces, only for those with pressure relationships.
- 8 • Update CMC Chapter 4 requirements for class 1, 2 and 3 imaging - several CMC
9 amendments were made to coordinate with imaging classification, including
10 diffuser placement, ventilation, and filtration guidelines.
- 11 • Additional changes for coordination and cleanup.

12
13 Mr. Enright gave an overview of the California Plumbing Code, Part 5 of Title 24
14 proposed code changes:

- 15 • Plumbing fixture Table 4-2 for non-healthcare spaces under OSHPD - the
16 Intervening cycle provided Table 4-2 for single reference for fixture count.
- 17 • Revise maximum hot water branch length for low flow fixtures and limit sensor-
18 operated faucets in high-risk area (legionella) - CPC 613.6 limits hot water
19 branch to 25ft. Low flow faucets do not evacuate volume, reduced lengths or
20 diameters may be considered.
- 21 • Piping materials for process water - processing water is typically at a pH not
22 suitable for metallic pipes.
- 23 • Hot water maximum temperature – legionella risk - facilities requested higher
24 water temperatures to limit legionella growth and reduce the risk of scalding from
25 hot water.
- 26 • Scrub sink control requirements - Revision is required to clarify the requirements
27 for scrub sink controls distributed throughout the CPC.
- 28 • Allow single restroom for low occupancy spaces such as waiting - new exception
29 specific to healthcare for public counts will be provided under CPC422.3.1.
- 30 • Coordinate Chapter 13 requirements for OSHPD - Due to adoption cycles, the
31 state adopts a newer version of NFPA 99 for med gas than is adopted under the
32 model code.
- 33 • Additional changes for coordination and cleanup.

34
35 Mr. Tannahill asked if the March 25-26, 2024, meeting would discuss any changes to
36 the electrical code made by CAC. Ms. Marvelli answered that the CAC would review
37 code changes at that meeting.

Ms. Belair asked if the coordination with ASHRAE 170 on adoption or referencing 2012 edition could be left open so that the current edition is referenced. Ms. Marvelli answered that when making proposed code requirements changes, the document must have a list of the year of reference standard for review.

Ms. Belair asked what the essential power for cooling was to meet the NPC 5, 72-hour requirement. Mr. Enright answered that there was a collaboration with the California Department of Public Health (CDPH) to determine that.

Informational and Action item

- None

5. Update on Electronic Test, Inspection, and Observation (eTIO) Development

Presenter: Joe LaBrie, HCAI

Discussion and Input

Mr. LaBrie updated that the eTIO was in the programming coding stage.

Mr. Mackey asked if the programming aspect of funding for the eTIO was resolved.

Mr. Tannahill answered that there were enough funds left in the existing contract to continue the program.

Mr. Mackey asked about the eTIO development deadline. Mr. Tannahill answered that the deadline would be the summer of 2024.

Informational and Action item

- None

6. Pre-Approved Detail Update

Presenter: Gary Dunger, Committee Member

Discussion and Input

Mr. Dunger updated that there was a task force to identify and put together some common issues to type 5 contracts of Skilled Nursing Facilities (SNFs) and hospitals.

Mr. Dunger stated that the pre-approved details were developed to identify areas of concern and challenges and would be presented at the next board meeting.

Informational and Action item

- None

1 **7. Comments from the public/committee members on issues not on this agenda**

2 **Presenter:** Michael O'Connor, Committee Chair

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5 **Discussion and input**

- 6 • None

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8 **8. Adjournment**

9 Mr. O'Connor adjourned the meeting on October 17, 2023, at approximately 10:55 a.m.