

# Hospital Building Safety Board

Full Board Meeting  
August 15, 2024



**\*\*\* SPECIAL NOTICE \*\*\***

This meeting will be held in-person at the Department of Health Care Access and Information (HCAI) office in Los Angeles, as well as by teleconference.

Board members must attend this meeting in person. HCAI staff and members of the public may fully participate from their own locations.

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2020 West El Camino Avenue, Suite 800  
 Sacramento, CA 95833  
[hcai.ca.gov](http://hcai.ca.gov)



## Hospital Building Safety Board Full Board Meeting

### AGENDA

August 15, 2024

10:00 a.m. – 4:00 p.m.

The Board may not discuss or act on any matter raised during the public comment section that is not included on this agenda, except to place the matter on a future meeting agenda. (Government Code §§ 11125, 11125.7, subd. (a).)

#### Location:

[355 South Grand Avenue, Conference Room 2000, Los Angeles, CA 90071](#)

[Teams Meeting Access](#); Meeting ID: 240 506 952 578; Passcode: kNYgoP

Call in: (916) 535-0978; Phone Conference ID: 481 008 555#

- Item #1      Call to Order and Welcome  
*Facilitator: Louise Belair, PE, LEED AP, Senior Vice President, tk1sc;  
 Board Chair (or designee)*
- Item #2      Roll Call and Meeting Advisories/Expectations
- Determination of Quorum
  - Conduct of Meeting
- Facilitator: Veronica M. Yuke, Manager, HCAI; Executive Director (or designee)*
- Item #3      Department of Health Care Access and Information (HCAI) Update
- Swearing-in Ceremony for new HBSB member:
    - Carl Newth, PE, CBO, LEED AP, Local Building Official Member Representative
  - Recognition of outgoing Public Member Representative, David Bliss, MD, and Dr. Bliss' new appointment as a Director-Appointed Ex-Officio Member
  - Acknowledgment of second-term appointment of James O. Malley, Structural Engineer Member Representative
  - HCAI Update
  - Discussion and public input
- Facilitator: Elizabeth Landsberg, Director, HCAI (or designee)*

- Item #4      Nominations for HBSB Chair and Vice-Chair Kick Off
- Review of the nomination process for HBSB Chair and Vice-Chair
  - Nominating Committee presents slate of candidates
  - Committee invites nominations from the floor
  - Discussion and public input
- Facilitators: Michael Foulkes, Director, State and Local Government Affairs, Apple Inc.; and Michael O'Connor, Principal, Nichols, Melburg & Rossetto; Nominating Committee (or designees)*
- Item #5      Overview and approval of the April 18, 2024, Full Board draft Meeting Report/Minutes
- Discussion and public input
- Facilitator: Louise Belair (or designee)*
- Item #6      Offsite Fabrication/Preassembled Components Webinar Development Subcommittee
- Overview and approval of the following draft Meeting Reports/Minutes:
    - March 26, 2024
    - May 8, 2024
    - June 11, 2024
  - Overview of the June 25, 2024, *Preapproved Fabricated Components and Systems* webinar
  - Discussion and public input
- Facilitator: Cody Bartley, DPR Construction; Subcommittee Chair (or designee)*
- Item #7      Codes and Processes Committee
- Overview and approval of the May 8, 2024, draft Meeting Report/Minutes
  - Discussion and public input
- Facilitator: Michael O'Connor, Committee Chair (or designee)*
- Item #8      Education and Outreach Committee
- Overview and approval of the May 22, 2024, draft Meeting Report/Minutes
  - Discussion and public input
- Facilitator: Scott Mackey, AIA, NCARB, APEC, Design Manager, Hensel Phelps; Committee Chair (or designee)*

- Item #9      Technology and Research Committee
- Overview and approval of the June 20, 2024, draft Meeting Report/Minutes
  - Discussion and public input
- Facilitator: Gary Dunger, Executive Director, Design and Construction, Cedars-Sinai Health System; Committee Chair (or designee)*
- Item #10      Office of Statewide Hospital Planning and Development (OSHPD) Update
- Workload and performance
  - Personnel changes
  - Discussion and public input
- Facilitator: Chris Tokas, SE, F.SEAOC, CBO, Deputy Director, HCAI (or designee)*
- Item #11      Building Standards Unit (BSU) Update
- Update on BSU accomplishments year-to-date
  - Discussion and public input
- Facilitator: Richard Tannahill, Architect, Deputy Division Chief, HCAI (or designee)*
- Item #12      Inspection Services Unit (ISU) Update
- Update on ISU accomplishments year-to-date
  - Update on HCAI ISU Construction Administration Proficiency (CAP) Training
  - Update on electronic Test, Inspection, and Observation (eTIO)
  - Discussion and public input
- Facilitators: Joe LaBrie, SE, Regional Compliance Officer, HCAI; Monica Colosi, Compliance Officer, HCAI; Darren Graves, Compliance Officer, HCAI; and Chris Davis, District Structural Engineer, HCAI (or designees)*
- Item #13      Fire Prevention Unit (FPU) Update
- Update on FPU accomplishments year-to-date
  - Discussion and public input
- Facilitator: Nanci Timmins, Chief Fire and Life Safety Officer, HCAI (or designee)*
- Item #14      Structural Services Section Update
- Update on Structural Service Section accomplishments year-to-date
  - Discussion and public input

*Facilitator: Roy Lobo, PhD, SE, Principal Structural Engineer, HCAI (or designee)*

- Item #15 HBSB Chair and Vice-Chair Election
- Board Members vote to elect a Chair and Vice-Chair to officially take office on January 1, 2025
  - Discussion and Public input

*Facilitators: Michael Foulkes and Michael O'Connor (or designees)*

- Item #16 Comments from the Public/Board Members on issues not on this agenda  
The Board will receive comments from the Public/Board Members. Matters raised at this time may be taken under consideration for placement on a subsequent agenda.

*Facilitator: Louise Belair (or designee)*

- Item #17 Adjournment

Appointed Members: Louise Belair, PE, LEED AP, Senior Vice President, tk1sc;  
Board Chair  
James O. Malley, SE, Senior Principal, Degenkolb  
Engineers; Board Vice-Chair  
Cody Bartley, DPR Construction  
David Bliss, MD, Faraday Microgrids  
Janice Cheung, PE, CSP, Fire Marshal, Redwood City  
Jennifer G. Cox, MHA, BSN, RN, PHN, CIC, System Director,  
Epidemiology and Infection Prevention, UC Irvine Health  
Michael L. Davis, CHI, Senior Consultant, DavisHBC, Inc.  
Gary Dunger, Executive Director, Design and Construction,  
Cedars-Sinai Health System  
Teresa Endres, AIA, ACHA, EDAC, AAH, Senior Associate,  
Medical Planning Director, Taylor Design  
Michael Foulkes, Director, State and Local Government Affairs,  
Apple Inc.  
John Griffiths, PE, Electrical Engineer, CONTECH-CA  
Martin B. Hudson, PhD, PE, GE, Principal Geotechnical  
Engineer, Hudson Geotechnics, Inc.  
Courtney B. Johnson, PG, CEG, Principal Geologist, Slate  
Geotechnical Consultants  
Scott Mackey, AIA, NCARB, APEC, Design Manager, Hensel  
Phelps  
Farzad Naeim, PhD, SE, Esq, NAE, President, Farzad Naeim,  
Inc.



Director-Appointed

Ex-Officio Members: Bert Hurlbut, VP Construction, Stanford Healthcare, Retired  
Michael O'Connor, Principal, Nichols, Melburg & Rossetto

Ex-Officio Members: Elizabeth Landsberg, HCAI Director  
Daniel Berlant, State Fire Marshal  
Wendy Collins (Delegate)  
Jeremy Lancaster, State Geologist  
Jennifer Thornburg (Delegate)  
Stoyan Bumbalov, Building Standards Commission,  
Executive Director  
Irina Brauzman (Delegate)  
Kevin Day (Delegate)  
Tomás J. Aragón, MD, Dr. PH, Department of Public Health,  
Director  
Nathaniel Gilmore (Delegate)  
Chris Tokas, OSHPD Deputy Director

HBSB

Executive Director: Veronica M. Yuke

The **Hospital Building Safety Board** agenda and other notices about meetings are posted online and can be found by searching for **Hospital Building Safety Board** and meeting month at <https://hcai.ca.gov/public-meetings>.

For further information about this meeting, please contact Evett Torres or Marcus Palmer at (916) 440-8300, [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov), or send a letter to The Department of Health Care Access and Information, 2020 West El Camino Avenue, Sacramento, CA 95833.

The Board may take action under any agenda item.

Every effort will be made to address each agenda item as listed. However, the agenda order is tentative and subject to change without prior notice. Items not listed on the agenda will not be considered. The Board may take a 30- to 90-minute break during the meeting. Members of the public are NOT required to identify themselves or provide other information to attend or participate in this meeting. If Microsoft Teams requires a name, you may enter "Anonymous". You may also input fictitious information for other requested information if required to attend the meeting (e.g., [anonymous@anonymous.com](mailto:anonymous@anonymous.com)).

This meeting is accessible to persons with a disability. A person who needs a disability-related accommodation or modification in order to participate in the meeting

may make a request by contacting Evett Torres or Marcus Palmer at [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov) or sending a written request to HBSB Staff at 2020 West El Camino Avenue, Sacramento, CA 95833. Providing your request at least seven (7) business days before the meeting will help ensure availability of the requested accommodation.

If you need help understanding or translating into another language, or if you need sign language services, please contact Evett Torres or Marcus Palmer at [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov). Let us know at least seven days before the meeting so we can set up the services you need.

### **Spanish/ Español**

Si necesita ayuda para comprender o traducir a otro idioma, o si necesita servicios de lenguaje de señas, póngase en contacto con Evett Torres [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov). Avísenos al menos siete días antes de la reunión a fin de que podamos programar los servicios que necesita.

### **Korean/韓國人**

내용을 다른 언어로 이해 또는 번역하는 데 도움이 필요하거나 수화 서비스가 필요한 경우 다음 연락처로 문의하시기 바랍니다: Evett Torres [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov). 필요한 서비스를 제공할 수 있도록 회의 개최 7일 전까지 알려주십시오.

### **Chinese Simplified/簡體中文**

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### **Tagalog/Tagalog**

Kung kailangan mo ng tulong sa pag-unawa o pagsasalin sa ibang wika, o kung kailangan mo ng mga serbisyo ng sign language, mangyaring makipag-ugnayan sa Evett Torres [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov). Ipaalam sa amin nang hindi bababa sa pitong araw bago ang pagpupulong upang mai-set up namin ang kailangan mong mga serbisyo.

## **Vietnamese/Tiếng Việt**

Nếu quý vị cần trợ giúp để hiểu hoặc để dịch sang ngôn ngữ khác hoặc nếu quý vị cần dịch vụ ngôn ngữ ký hiệu, vui lòng liên hệ Evett Torres [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov). Vui lòng cho chúng tôi biết ít nhất bảy ngày trước cuộc họp để chúng tôi có thể bố trí các dịch vụ mà quý vị cần

## **Chinese Cantonese(Traditional)/中文 粵語**

如果您需要幫助理解或其他語言的翻譯服務，或需要手語服務，請聯絡Evett Torres [HBSBSupportStaff@hcai.ca.gov](mailto:HBSBSupportStaff@hcai.ca.gov).至少在會議前七天通知我們，以便我們安排您所需的服務。

## **Los Angeles Office:**

You may take public transportation via:

- The "B" or "D" Metro Lines to Pershing Square
- The "A" or "E" Metro Lines to Grand Avenue Arts/Bunker Hill
- The B Dash bus to Financial District (on Alameda St)
- The Commuter bus at Patsaouras Plaza (Stop# 3)

Public parking locations in the area:

- 330 S. Hope Street - Wells Fargo Center (on site)
- 465 S. Flower Street - Westin Bonaventure Garage (0.12 miles)
- 530 S. Grand Avenue - Pac Mutual Building Garage (0.15 miles)
- 601 W. 5th Street - Cal Edison Building (0.18 miles)
- 625-631 S. Olive Street - Crown Plaza Garage (0.23 miles)

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# HCAI Update

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## **New Hospital Building Safety Board Member**

### **Local Building Official Member Representative:**

**Carl Newth, PE, CBO, LEED AP**, has been working in the design and construction industry for over 40 years. He has been part of the University of California Los Angeles (UCLA), providing leadership as the Building Official and Director of Engineering for 12 years. Mr. Newth's responsibilities at UCLA are vast and include issuing permits, certifying occupation, applying codes in various occupancies, overseeing construction consultants and inspectors, and ensuring the quality of engineering design and code compliance for all UCLA-owned and -leased properties.

As the Founding Chair of the University of California Campus Building Official Council, and Chair of the University of California Board of Appeals for ten campuses, Mr. Newth has proven his ability to coordinate with key stakeholders, including the State Fire Marshal and the Department of Health Care Access and Information. His membership on the California Code Advisory Committee for Building, Fire, and Other (BFO) further underscores his commitment to advancing building safety standards.

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# Full Board

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Draft Meeting Report/Minutes

April 18, 2024

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2020 West El Camino Avenue, Suite 800  
Sacramento, CA 95833  
hcai.ca.gov



**HOSPITAL BUILDING SAFETY BOARD  
Full Board Meeting**

**Thursday, April 18, 2024  
10:00 a.m. – 4:00 p.m.**

**Teleconference Meeting Access:  
HBSB Teams Full Board Meeting  
Access Code: 161-673-656**

**Appointed Members Present**

Louise Belair, Chair  
Jim Malley, Vice Chair  
Cody Bartley  
David Bliss  
Janice Cheung  
Jennifer Cox  
Michael Davis  
Gary Dunger  
Teresa Endres  
Michael Foulkes  
John Griffiths  
Martin Hudson  
Courtney Johnson  
Scott Mackey

**HBSB Staff Present**

Veronica Yuke, Acting Executive Director  
Marcus Palmer  
Evelt Torres

**Ex-Officio Members Present**

Elizabeth Landsberg, HCAI Director  
Scott Christman, HCAI Chief Deputy Director  
Chris Tokas, OSHPD Deputy Director  
Wendy Collins, State Fire Marshall Delegate  
Kevin Day, California Building Standards  
Commission, Executive Director  
Jeremy Lancaster, State Geologist

**Director-Appointed Ex-Officio  
Members Present**

Bert Hurlbut  
Michael O'Connor

**HCAI Staff Present**

Arash Altoontash  
Larry Enright  
Joe LaBrie  
Roy Lobo  
Mia Marvelli  
Carl Scheuerman  
Jamie Schnick  
Ali Sumer  
Nanci Timmins  
John Gray, HCAI Attorney

1 **1. Call to order and Welcome**

2 Louise Belair, Board Chair, called the meeting to order on April 18, 2024, at 10:00 a.m.,  
3 and Veronica Yuke, Acting HBSB Executive Director, called roll.  
4

5 **2. Roll Call and Meeting Advisories/Expectations**

6 Eight members of the Board present constitute a quorum. There being fourteen present  
7 at the time of roll, a quorum was established.  
8

9 Ms. Yuke read the public announcement regarding meeting rules and procedures.  
10

11 **3. Department of Health Care Access and Information (HCAI) Update**

12 **Presenter:** Elizabeth Landsberg, Director, HCAI

13 **Discussion and Input**

14 Ms. Landsberg announced that the governor released his January budget with a  
15 projected \$38 billion deficit.

16 She mentioned proposals to temporarily borrow from HCAI's funds and delay specific  
17 workforce programs, such as nursing workforce development, social work, and other  
18 behavioral health programs.

19 Ms. Landsberg stated that HCAI approved the loan to Madera Hospital, expressing  
20 hope that the hospital would open in the summer of 2024.

21 She noted that HCAI had been developing clinical quality measures to evaluate  
22 hospitals' efforts regarding health equity, which have now been approved for inclusion in  
23 upcoming regulations.  
24

25 Ms. Landsberg stated that the Office of Health Care Affordability (OHCA) proposed a  
26 3% spending growth target for healthcare entities aiming to curb excessive spending.  
27

28 She highlighted that OHCA would be adopting Alternative Payment Models (APM),  
29 primary care spend threshold, and workforce stability standards by the summer of 2024.  
30

31 Mr. Christman swore in new HBSB members:

- 32
  - Courtney B. Johnson - Engineering Geologist Representative
  - Jennifer G. Cox - Public Member Representative  
33  
34

35 Mr. Mackey asked for an update on the \$6 billion bond program for behavioral health.

1 Ms. Landsberg reported that the changes to the Behavioral Health Services Act  
2 included expanding fund usage to cover mental health, emphasizing housing, and  
3 providing various services from inpatient to community-centered care, and a portion of  
4 funds allocated for workforce development.

5

#### 6 **Informational and Action item**

- 7 • None

8

#### 9 **4. Overview and approval of the December 5 – 6, 2023, Full Board draft Meeting** 10 **Report/Minutes**

11 **Presenter:** Louise Belair, Board Chair

#### 12 **Discussion and Input**

13 Ms. Belair gave a review of the December 5 – 6, 2023, Full Board meeting:

- 14 • **Topic 1:** Call to Order and Welcome
- 15 • **Topic 2:** Roll Call and Meeting Advisories/Expectations
- 16 • **Topic 3:** Nomination and election to fill the unexpired vice-chair vacancy
  - 17 ○ Retirement of Scott Jackson
  - 18 ○ Approval of James Malley as Board Vice Chair for the remainder of the  
19 term
- 20 • **Topic 4:** HCAI update – Scott Christman, HCAI Chief Deputy Director
  - 21 ○ Governor’s proposed budget was estimated to be released on January  
22 10, 2024.
  - 23 ○ Mention of the 50th anniversary of the Song-Brown Healthcare  
24 Workforce Training Act.
  - 25 ○ 2023 marked the 50th anniversary of the Alfred E. Alquist Hospital  
26 Seismic Safety Act.
  - 27 ○ Review of HCAI-related bills:
    - 28 ▪ SB 525 – Minimum wage law for Healthcare Employees
    - 29 ▪ SB 326 – Bill expanding Mental Health Services Act to the  
30 Behavioral Health Services Act
    - 31 ▪ SB 779 – Expansion of data collection from California clinics
    - 32 ▪ AB 1392 – Expansion of the hospital supplier diversity program
    - 33 ▪ AB 1471 – Seismic compliance milestones for specific hospitals
    - 34 ▪ AB 242 – Bill allowing critical access hospitals to employ physicians  
35 directly

- 1           ○ Review of HCAI program accomplishments:
- 2           ▪ Distressed Hospitals Loan Program had 30 applications and offered
- 3           loans to 17 hospitals.
- 4           ▪ HPD program released its first data product in 2023.
- 5           ▪ New OHCA efforts to slow healthcare spending growth.
- 6           ○ Mr. Tokas swore in new HBSB members:
- 7           ▪ Janice Cheung, Fire / Life Safety representative
- 8           ▪ Martin B. Hudson, Geotechnical Engineer representative
- 9           ○ Mr. Tokas recognized outgoing HBSB members:
- 10          ▪ Bruce Clark, Engineering Geologist representative
- 11          ▪ Scott Jackson, Fire / Life Safety representative
- 12          ▪ Michele Lampshire, Public Member representative
- 13          ▪ Marshall Lew, Geotechnical Engineer representative
- 14          • **Topic 5:** Overview and Approval of August 17, 2023, Full Board draft Meeting
- 15          Report/Minutes – Louise Belair, Board Chair:
- 16          ▪ Swearing in new HBSB Board members:
- 17            • Michael Davis – Inspector of Records Representative
- 18            • Teresa Endres – Architect Representative
- 19            • Sharon Goei – Local Building Official Representative
- 20          ▪ Recognition of outgoing HBSB Board members:
- 21            • Deepak Dandekar – Architect Representative
- 22            • David Khorram – Local Building Official Representative
- 23          ▪ Review and Approval of the April 20, 2023, Full Board Meeting
- 24          report
- 25          ▪ Committee Reports Overview and Approval: Energy Conservation
- 26          and Management, Structural and Nonstructural Regulations, Codes
- 27          and Processes, Off-Site Fabrication/Preassembled Components
- 28          Webinar Subcommittee of the Education and Outreach Committee.
- 29          ▪ OSHPD Update highlights were reviewed.
- 30          ▪ Inspection Service Unit Update highlights were reviewed.
- 31          ▪ Building Standards Unit Update highlights were reviewed.
- 32          ▪ Structural Service Section Update highlights were reviewed.

- 1       • **Topic 6:** Energy Conservation and Management Committee – John Griffiths,  
2       Committee Vice-Chair
  - 3           ○ Overview and Approval of October 25, 2023, draft meeting  
4           report/minutes:
    - 5               ▪ Microgrid Task Force update.
    - 6               ▪ Intervening code cycle changes for the California Electrical Code.
    - 7               ▪ Microgrid project at Kaiser Permanente San Marcos Medical  
8               Center.
    - 9               ▪ Microgrid components.
    - 10              ▪ Review of topics to be discussed in 2024.
- 11      • **Topic 7:** Education and Outreach Committee – Scott Mackey, Committee  
12      Chair
  - 13           ○ Overview and Approval of the May 24, 2023, draft meeting  
14           report/minutes:
    - 15               ▪ Focus on the October 2023, Tips from the Experts seminar  
16               structure and planning milestones.
  - 17           ○ Overview and Approval of July 26, 2023, draft meeting report/minutes:
    - 18               ▪ Planning and development of October 2023, Tips from the Experts  
19               seminar.
    - 20               ▪ Confirmation of seminar event dates.
    - 21               ▪ Breakdown sessions, agenda, resources, and presenters
    - 22               ▪ Status of proposed webinars.
  - 23           ○ Overview and Approval of August 30, 2023, draft meeting  
24           report/minutes.:
    - 25               ▪ Confirmation of seminar rehearsal date.
    - 26               ▪ Each seminar presenter outlined their own sections.
  - 27           ○ Overview and Approval of September 27, 2023, draft meeting  
28           report/minutes:
    - 29               ▪ Report on the status of the final edits/revisions to the Tips from the  
30               Experts Guide.
    - 31               ▪ Each session was presented.
    - 32               ▪ Update on Small and Rural Hospital Relief Program webinar.
  - 33           ○ Overview and Approval of November 1, 2023, draft meeting  
34           report/minutes:

- 1                   ▪ Tips from the Experts Seminar debrief.
- 2                   ▪ Update on Guide for Working on OSHPD projects.
- 3                   ▪ Update on Emergency Design Guide.
- 4                   ▪ Update on PIN 50 Webinar and Offsite Fabrication/Preassembled
- 5                    Components Webinar.
- 6                   ▪ Discussed Opportunities for 2024.
- 7                   ▪ Overview of the October 5 and 10 Seminar:
- 8                    • 143 people attended in Newark.
- 9                    • 152 people attended in Irvine.
- 10                  • Overall positive response from attendees.
- 11                  • **Topic 8:** Codes and Processes Committee – Michael O’Connor, Committee
- 12                  Chair
- 13                    ○ Overview and Approval of August 14, 2023, draft meeting
- 14                    report/minutes:
- 15                    ▪ California Building Standards Codes revisions for the 2022
- 16                    Intervening Code Cycle.
- 17                    ▪ 2024 Code Cycle Triennial Proposed Updates.
- 18                    ○ Overview and Approval of the October 17, 2023, draft meeting
- 19                    report/minutes:
- 20                    ▪ Building Standards Code Cycles Updates.
- 21                    ▪ California Mechanical Code, Part 4, Title 24 proposed code
- 22                    changes.
- 23                    ▪ California Plumbing Code, Part 5, Title 24 proposed code changes.
- 24                    ▪ Update on Electronic TIO development.
- 25                    ▪ Pre-Approved Details update.
- 26                  • **Topic 9:** Instrumentation Committee – Jim Malley, Committee Vice- Chair
- 27                    ○ Overview and Approval of October 26, 2023, draft meeting
- 28                    report/minutes:
- 29                    ▪ Review the Fiscal Year 2022-23 HCAI/CSMIP Hospital
- 30                    Instrumentation Annual Report.
- 31                    ▪ Annual HCAI update to the committee regarding CSMIP.
- 32                    ▪ Approval of the final copy of the white paper on “The Benefits of
- 33                    Strong Motion Instrumentation in Hospital Facilities.



- 1                   ▪ Testing criteria for allowable load rating of vibration isolators.
- 2                   ▪ Committee Goals for 2023.
- 3                   ▪ Information about NPC-5 Water Rationing Plan guide.
- 4           • **Topic 10:** Structural and Non-Structural Regulations Committee – Jim Malley,  
5           Committee Chair
  - 6                   ○ Overview and Approval of November 7, 2023, draft meeting  
7                   report/minutes:
    - 8                           ▪ Proposed amendments to 2025 California Building Code Title 24  
9                           Part 1, Part 2, and Part 10.
- 10           • **Topic 11:** Ad Hoc Board Procedures Committee – Michael Foulkes –  
11           Committee Chair
  - 12                   ○ Reported on the committee meeting held on December 5, 2023, to  
13                   discuss the Board Chair and Vice-Chair replacement procedures if  
14                   they are unable to complete their term.
    - 15                           ▪ Chair: Vice Chair take on the Chair’s responsibilities.
    - 16                           ▪ Vice-Chair: Chair nominates a board member at the next scheduled  
17                           Full Board meeting, nomination taken from the floor, and election  
18                           conducted.
- 19           • **Topic 12:** Administration of Process for filling Board Vice-Chair vacancy –  
20           Louise Belair, Board Chair
  - 21                   ○ Beginning April 2024, a nominating committee would seek nominations  
22                   for the chair and vice-chair to serve during the 2025-2026 term, with  
23                   elections planned for the August 2024 Full Board meeting.
- 24           • **Topic 13:** Review and approve 2024 Committee Assignments, Goals, and  
25           meeting calendar – Louise Belair, Board Chair
  - 26                   ○ The current committees would continue for 2024.
  - 27                   ○ The goals and committee members for each committee were reviewed  
28                   and approved.
  - 29                   ○ Full Board Meetings for 2024 will be April 18, August 15, and  
30                   December 10 –11.
- 31           • **Topic 14:** OSHPD Update - Chris Tokas, OSHPD Deputy Director
  - 32                   ○ Review of the three objectives for OSHPD in 2023.
  - 33                   ○ Review of HCAI achievements for 2023.
  - 34                   ○ Review of the three objectives for OSHPD for 2024:
    - 35                           ▪ Improve consistency in the field operations.
    - 36                           ▪ Training Programs (Academies) fully functional by year end.

- 1                   ▪ Update the OSHPD Preapproved Details (OPDs).
- 2           • **Topic 15:** Inspection Service Unit (ISU) Update- Joe LaBrie, Inspection  
3           Services Unit Supervisor; Bob Lyons, and James Pan, ISU Staff
- 4               ○ Mr. Lyons reported on the study of the Certified Hospital Inspector  
5               Utilization and recommendations.
- 6               ○ Mr. Pan reviewed the Certified Hospital Inspector Utilization survey  
7               data.
- 8               ○ Mr. LaBrie reported on the ISU activities for 2023.
- 9           • **Topic 16:** Building Standards Unit Update – Mia Marvelli, Building Standards  
10           Unit Supervisor
- 11               ○ Update on:
- 12                   ▪ National Codes and Standards.
- 13                   ▪ HCAI/CDPH coordination.
- 14                   ▪ HCAI/California Administrative Code Coordination.
- 15                   ▪ HCAI/AIA Collaboration through different CA Chapters.
- 16                   ▪ Upcoming OSHPD Webinars.
- 17           • **Topic 17:** Fire Prevention Unit Update (FPU)– Nanci Timmins, Chief Fire Life  
18           Safety Officer
- 19               ○ Report on FPU activities for 2023.
- 20               ○ Detail of training conducted for various organizations/groups of  
21               professionals.
- 22               ○ Update on PINs and CANs.
- 23           • **Topic 18:** Structural Services Section Update – Roy Lobo, Principal  
24           Structural Engineer
- 25               ○ Review of Seismic Compliance documents/applications required to be  
26               submitted to HCAI/OSHPD by January 1, 2024.
- 27               ○ Update to the seismic compliance and safety website.
- 28               ○ Review of webinar topics for 2024.
- 29               ○ Structural Support Unit update.
- 30           • **Topic 19:** Comments from the public/board members not on this agenda –  
31           Louise Belair, Board Chair
- 32           • **Topic 20:** Adjournment – Louise Belair, Board Chair.
- 33               ○ Meeting adjourned on December 6, 2023, at approximately 2:51 pm.
- 34

1 **Overview of motions**

- 2 • Motion 1: The board unanimously voted to nominate Jim Malley as the Board  
3 Vice-Chair.
- 4 • Motion 2: The board unanimously voted to approve the August 17, 2023, Full  
5 Board meeting draft Report/Minutes as presented.
- 6 • Motion 3: The board unanimously voted to approve the October 25, 2023,  
7 Energy Conservation and Management Committee draft Meeting  
8 Report/Minutes as presented.
- 9 • Motion 4: The board unanimously voted to approve the May 24, 2023; July  
10 26, 2023; August 30, 2023; September 27, 2023; and November 1, 2023;  
11 Education and Outreach Committee draft Meeting Reports/Minutes as  
12 presented.
- 13 • Motion 5: The board unanimously voted to approve the August 14, 2023,  
14 Codes and Processes Committee draft Meeting Report/Minutes as presented.
- 15 • Motion 6: The board unanimously voted to approve the October 26, 2023,  
16 Instrumentation Committee draft Meeting Report/Minutes with corrections.
- 17 • Motion 7: The board unanimously voted to approve the November 7, 2023,  
18 Structural and Non-Structural Regulations Committee Draft Meeting  
19 Report/Minutes as presented.
- 20 • Motion 8: The board unanimously voted to approve the December 5, 2023,  
21 Ad Hoc Board Procedures Committee change to the Board Policies and  
22 Procedures addressing the replacement of the Vice-Chair should the Vice-  
23 Chair become unable to serve out the full term.

24 Ms. Belair noted a typo on page 20, line 28, which should have stated that the elections  
25 would be held in August 2024 instead of August 2025.

26 **Informational and Action item**

- 27 • None

28  
29 **MOTION: [Mackey/Malley]**

30 The board unanimously voted to approve the December 5 -- 6, 2023, Full Board  
31 Meeting draft report/minutes as amended with correction.

32  
33 **5. Ad Hoc Board Procedures Committee**

34 **Presenter:** Michael Foulkes, Committee Chair

35 **Discussion and Input**

36 Mr. Foulkes reported that the December 5, 2023, meeting was about reviewing Board  
37 policies and procedures and the Vice Chair vacancy procedure.

1 Mr. Foulkes stated that there were no future meetings planned.

2 **Information and Action item**

- 3 • None

4  
5 **MOTION: [Foulkes/Bliss]**

6 The board unanimously voted to approve the December 5, 2023, Ad Hoc Board  
7 Procedures Committee draft report/minutes.

8  
9 **6. Codes and Processes Committee**

10 **Presenter:** Michael O'Connor, Committee Vice-Chair

11 **Discussion and input**

12 Mr. O'Connor stated that the January 10, 2024, meeting highlighted:

- 13 • Proposed amendments to the 2025 California Mechanical Code (CMC), Part  
14 4, Title 24.
- 15 • Proposed amendments to the 2025 California Plumbing Code (CPC), Part 5,  
16 Title 24.

17 Mr. O'Connor reported that on February 21, 2024, the committee discussed:

- 18 • Proposed amendments to the 2025 California Administrative Code, Part 1,  
19 Title 24 – special treatment program service relative to Skilled Nursing  
20 Facilities' (SNF) size.
- 21 • Proposed amendments to the 2025 California Building Code, Part 2, Volume  
22 1, Title 24 – provided additional clarity on pediatric and adolescent unit  
23 separation.
- 24 • Proposed amendments to the 2025 CMC, Part 4, and CPC, Part 5, Title 24.
- 25 • Update on Electronic Test, Inspection, and Observation (eTIO) Development.
- 26 ○ Continuous progress being made by HCAI ISU and the Programming  
27 Team. The committee looked forward to a demonstration when available.
- 28 • Standard Details Update – details for SNFs were being developed.

29 Mr. O'Connor stated that the February 21, 2024, meeting motions were:

- 30 • Motion 1: The committee unanimously voted to accept and approve the draft  
31 January 10, 2024, meeting report with corrections.
- 32 • Motion 2: The committee unanimously voted to approve the proposed  
33 amendment to the 2025 California Administrative Code, Part 1, Title 24.

- 1 • Motion 3: The committee unanimously voted to approve the proposed  
2 amendment to the 2025 California Building Code Part 2, Volume 1, Title 24,  
3 as presented with minor adjustments made on invasive procedures.
- 4 • Motion 4: The committee unanimously voted to approve the proposed  
5 amendment to the 2025 CMC Part 4, and CPC Part 5, Title 24.

#### 6 **Information and Action item**

7 None.

8

#### 9 **MOTION: [O'Connor/Bartley]**

10 The board unanimously voted to approve the Codes and Processes Committee draft  
11 meeting reports/minutes for January 10, 2024, and February 21, 2024, as amended.

12

### 13 **7. Instrumentation Committee**

14 **Presenter:** Farzad Naeim, Committee Chair

#### 15 **Discussion and input**

16 Mr. Malley gave a summary of the January 25, 2024, committee meeting:

- 17 • Discussion on issues related to the Instrumentation of wood-framed hospital  
18 buildings - Farzad Naeim, Committee Chair.
  - 19 ○ Need for increased instrumentation in flexible diaphragm buildings,  
20 particularly wood-frame hospitals, compared to ordinary concrete or steel  
21 buildings.
  - 22 ○ One motivation for considering wood buildings was the planned retrofits  
23 for small and rural hospitals.
  - 24 ○ It was also relatively easier to install instruments on wood frame buildings  
25 compared to steel or concrete structures.
- 26 • Selection of candidate wood-framed hospital buildings for HCAI  
27 Instrumentation - Ali Sumer and Erol Kalkan, HCAI.
  - 28 ○ Wood-frame hospital buildings are predominantly single-story; 27 facilities  
29 with the built eras ranging from 1902 to 2023.
  - 30 ○ Currently only two instrumented wood-frame hospital buildings.
    - 31 ■ John F. Kennedy Memorial Hospital, Indio.
    - 32 ■ Tenet Health Central Coast Twin Cities Community Hospital,  
33 Templeton.
  - 34 ○ In total, there are 307 wood-frame hospital buildings in California.
  - 35 ○ The recommended criteria for selection of wood-framed hospital buildings  
36 for HCAI Instrumentation:

- 1                   ▪ Plan irregularities
- 2                   ▪ Flexible diaphragm
- 3                   ▪ Shear walls
- 4                   ▪ Construction year
- 5                   ▪ SPC category
- 6                   ▪ Rocking
- 7                   ▪ Seismicity
- 8               • Approval of the selection of candidate wood-frame hospital buildings for HCAI  
9 instrumentation for further discussion and prioritization - Farzad Naeim,  
10 Committee Chair.

11 Mr. Malley said that the committee unanimously voted to approve the selection of  
12 candidate wood-frame hospital buildings for HCAI instrumentation for further discussion  
13 and prioritization.

14 **Information and Action item**

- 15 • None.

16  
17 **MOTION: [Malley/Cheung]**

18 The board unanimously voted to approve the January 25, 2024, Instrumentation  
19 Committee draft meeting report/minutes as amended.

20

21 **8. Structural and Nonstructural Regulations Committee**

22 **Presenter:** Farzad Naeim, Committee Vice Chair

23 **Discussion and input**

24 Mr. Malley reviewed the March 6, 2024, Structural and Nonstructural Committee  
25 meeting:

- 26 • Topic 1 –Triennial Code Cycle Update and Timelines (Mia Marvelli, HCAI).
- 27 • Topic 2 - Proposed continued amendments for risk category designation of  
28 Skilled Nursing and Acute Psychiatric Facilities (Chris Tokas, HCAI).
- 29 • Topic 3 –Proposed amendments to the 2025 California Building Code (CBC),  
30 Title 24, Part 1 (Ali Sumer, HCAI).
- 31 • Topic 4 – Proposed amendments to the 2025 CBC, Title 24, Part 2  
32 (Roy Lobo, Emil Von Roth, and Ali Sumer; HCAI).
- 33 • Topic 5 – Proposed amendments to the 2025 CBC, Title 24, Part 10,  
34 (Roy Lobo, HCAI).

35 Mr. Malley reported that there were four motions made during the meeting:

- 1 • Topic 2 – the committee unanimously approved a motion to endorse the  
2 presentation to keep the risk categories as outlined in the current 2022 CBC  
3 by the Office of Statewide Hospital Planning and Development (OSHPD).
- 4 • Topic 3 - the committee unanimously approved a motion to approve the  
5 proposed amendments to the 2025 CBC, Title 24, Part 1 code changes as  
6 presented.
- 7 • Topic 4 - the committee unanimously approved a motion to approve the  
8 proposed amendments to the 2025 CBC, Title 24, Part 2 as presented with  
9 additional comments.
- 10 • Topic 5 - the committee unanimously approved a motion to approve the  
11 proposed amendment to the 2025 CBC Title 24, Part 10 as presented.

12 Mr. Mackey noted a typo on page 5 of 8 line 20, which stated 2025 CBS instead of  
13 2025 CBC.

14

15 **Information and Action item**

- 16 • None.

17

18 **MOTION: [Malley/Mackey]**

19 The board unanimously voted to approve the March 6, 2024, Structural and  
20 Nonstructural Committee draft report/minutes as corrected.

21

22 **9. Education and Outreach Committee**

23 **Presenter:** Scott Mackey, Committee Chair

24 **Discussion and input**

25 Mr. Mackey stated that the February 8, 2024, Education and Outreach Committee  
26 meeting focused on:

- 27 • Review of 2023 Committee Supported Accomplishments:
  - 28 ○ Two OSHPD 3 Clinic Webinars - May 16 and 18, 2023.
  - 29 ○ Robots and Robotics in Hospitals Webinar - June 29, 2023.
  - 30 ○ Tips from the Experts Seminars - October 5, 2023, in Newark, and  
31 October 10, 2023, in Irvine.
- 32 • Notice of 2024 Committee Supported Presentations:
  - 33 ○ American Society of Healthcare Engineers (ASHE) 2024 International  
34 Summit and Exhibition on Health Facility Planning Design and  
35 Construction (PDC) conference held in San Diego, March 17 through 20,  
36 2024.

- 1 ○ Richard Tannahill, Gary Dunger, and Teresa Endres presented the  
2 Planning and Preparing for Disasters Guide.
- 3 ○ American Society of Healthcare Engineers (ASHE) 2024 International  
4 Summit and Exhibition on Health Facility PDC conference.
- 5 ○ Jamie Schnick, Ratan Milevoj (Valley Children’s Healthcare), and Walt  
6 Vernon (Mazzetti), presented on the use of microgrid systems in  
7 healthcare projects under OSHPD jurisdiction.
- 8 ● Update on the Guide for Working on OSHPD Projects – Tips from the Experts  
9 - Mia Marvelli and Paul Coleman.
- 10 ○ The Guide updates focused on added information related to the  
11 organization’s naming conventions, revisions and additions to the  
12 submissions and permitting standards.
- 13 ● Update on the Guide for Planning and Preparing for Disasters - Paul  
14 Coleman.
- 15 ○ The Guide was completely reformatted to align with the Guide for Working  
16 on OSHPD Projects to create uniformity between documents.
- 17 ○ Revisions and updates addressed impacts of earthquakes, wildfires, and  
18 pandemics on existing and temporary facilities throughout the State.
- 19 ○ Added and deleted sections, subsections, acronyms and abbreviations.
- 20 ● Update on the Policy Intent Notice (PIN) 50 – Integrated Review Webinar -  
21 Gary Dunger.
- 22 ○ Specifics included highlights of the agenda, an outline of the webinar, and  
23 the focus of the content.
- 24 ● Update on the Offsite Fabrication / Preassembled Components Webinar
- 25 ○ It was determined that this event will be advanced by a meeting of this  
26 Subcommittee.
- 27 ○ Cody Bartley was identified as the Chair of the Subcommittee and  
28 Scott Mackey as Vice Chair.
- 29 ○ Teresa Endres, Member of the Board, was also added to the  
30 Subcommittee.
- 31 ● Discussion on New Opportunities for Educational Content, Events or  
32 Programs for 2024.
- 33 ○ Classification of imaging procedures into Class 1, 2, and 3.
- 34 ○ Revisiting the Inspect to Pass approach to Field Inspections.
- 35 ○ Formal rollout of OSHPD 6: Chemical Dependency Recovery Hospitals  
36 (CDRH).
- 37 ○ New program on Tips for Working with OSHPD in the field.



- 1           ○ Working with photovoltaics, microgrids, and battery systems associated
- 2           with utility independence from the electrical grid and utility companies.
- 3           ○ Creation of a Design Professional Mentorship Program through HCAI.
- 4           ● Identified and listed future Education and Outreach committee meeting dates:
- 5           ○ May 22, 2024
- 6           ○ August 1, 2024
- 7           ○ September 26, 2024

8 Mr. Dunger announced that he had a scheduled presentation of the Design Guide to the  
9 Shenzhen Qianhai Taikang International Hospital team.

10

#### 11 **Information and Action item**

- 12 ● None.

13

#### 14 **MOTION: [Mackey/Hudson]**

15 The board unanimously voted to approve the February 8, 2024, Education and  
16 Outreach Committee draft meetings/report.

17

### 18 **10. Offsite Fabrication/Preassembled Components Webinar Development**

#### 19 **Subcommittee**

20 **Presenter:** Cody Bartley, Committee Chair

#### 21 **Discussion and input**

22 Mr. Bartley reviewed the February 28, 2024, Offsite Fabrication/Preassembled  
23 Components Webinar Subcommittee meeting:

- 24 ● Topic 1 – Update on the draft content for Offsite Fabrication/Preassembled  
25 Components Webinar.
  - 26 ○ Content was focused on the perspective from OSHPD’s staff, the
  - 27 architect’s impacts, the contractor’s key factors, and the presentation of
  - 28 definitions for clarity.
  - 29 ○ Refinement of the presentation, distribution of content per speaker,
  - 30 sufficiency of examples, definitions, and current examples in place or
  - 31 under review.
- 32 ● Topic 2 - Review of speaking roles and proposed presenter
  - 33 ○ A rehearsal was scheduled for mid-April 2024.
  - 34 ○ The timeline for the slide deck was discussed and confirmed.
- 35 ● Topic 3 – Agenda for April 24, 2024, was established

- 1                   ○ The scheduled meeting would be to conduct dry run of the webinar and  
2                   establish a date.

3  
4 **Information and Action item**

- 5 • None.

6  
7 **MOTION: [Bartley/Davis]**

8 The board unanimously voted to approve the February 28, 2024, Offsite  
9 Fabrication/Preassembled Components Webinar Development Subcommittee meeting  
10 draft report/minutes.

11  
12 **11. Appoint a Nominating Committee for Chair and Vice-Chair elections at the**  
13 **August 2024, Full Board meeting**

14 **Presenter:** Louise Belair, Board Chair

15 **Discussion and input**

16 Ms. Belair appointed Michael O'Connor and Michael Foulkes to be on the nominating  
17 committee for the next chair and vice chair elections.

18 Ms. Belair said the voting would take place at the next Full Board meeting scheduled for  
19 August 2024.

20 Dr. Bliss asked for an outline of the chair and vice-chair duties. Ms. Belair clarified that  
21 the chair oversees the board, leads discussions at Full Board meetings, selects new  
22 board members, and collaborates with the executive director on meeting planning, while  
23 the vice chair serves as a substitute in the absence of the chair.

24  
25 **Information and Action item**

- 26 • None.

27  
28 **12. Office of Statewide Hospital Planning and Development (OSHPD) Update**

29 **Presenter:** Chris Tokas, HCAI OSHPD Deputy Director

30 **Discussion and input**

31 Mr. Tokas announced that the California Climate Commitment had achieved 35%  
32 progress and was ahead of what had been planned.

33 He stated that CMS put out a categorical waiver for Health Care Microgrid Systems,  
34 which opened the race to build the first island hospital.

1 Mr. Tokas said that University of California (UC) had pledged to become carbon neutral  
2 by 2025 and will accomplish this by having UC Irvine Health scheduled to become the  
3 first all-electric hospital.

4 He highlighted that the Design Guide for Planning and Preparing for Disasters had  
5 materialized and was available on the HCAI website.

6 Mr. Tokas listed chapters that were added in the Design Guide for Planning and  
7 Preparing for Disasters:

- 8 • Planning, Preparing, and Implementing Solutions for a Seismic Event.
- 9 • Emergency Patient Room Ventilation Conversion.
- 10 • Emergency Operations for Surge Capacity.
- 11 • Spaces That Can be Split into Multiple Zones.
- 12 • Other Considerations for Surge Capacity.
- 13 • HVAC System Considerations for Handling Smoke During Wildfires.
- 14 • Upgrading Air Filters.
- 15 • How To Expedite Emergency Projects.
- 16 • OSHPD's Response for Disasters.
- 17 • Coordination for Temporary Surge Facilities and Alternate Care Sites.

18 Mr. Tokas stated that the Design Guide for Working on Projects Under OSHPD  
19 Jurisdiction had been published and was available on HCAI website.

20 He mentioned that OSHPD was meeting all project-specific commitments and  
21 deadlines.

22 Mr. Tokas gave an overview of the January 1, 2024, - Seismic Compliance required  
23 submittals:

- 24 • NPC Submittals (Required by California Administrative Code Chapter 6)
  - 25 ○ NPC 3 compliance construction final document – 194 facilities submitted
  - 26 and 211 did not submit their NPC evaluations by January 1, 2024.
  - 27 ○ NPC 4D Evaluation report including Operational Plan or NPC 4 Evaluation
  - 28 report – 1,954 building evaluations were submitted and 1,108 were not
  - 29 submitted.
  - 30 ○ NPC 5 Evaluation report including 72-hour fuel evaluation and Water
  - 31 Rationing Plan.
  - 32 ○ Letter of Intent stating general acute care (GAC) services in the building
  - 33 will be removed by January 1, 2030.
- 34 • AB 1882 Submittals

- 1           ○ Licensed GAC Services Reporting Application – 307 facilities submitted
- 2           SPC and service report, and 98 facilities did not submit.
- 3           ○ Signage Application – 1,209 buildings were in the process of posting the
- 4           Notice, 718 buildings had not complied, 650 buildings were in compliance,
- 5           and 717 buildings were not required.

6 Mr. Scheuerman highlighted the Small and Rural Hospital Relief Program:

- 7           • \$2.5M transferred into Fund 3391 to date.
- 8           • 36 applications received.
- 9           • 23 eligibility approved, 8 pending finalization, 1 not eligible.
- 10          • \$460K was awarded to two hospitals.

11 Mr. Tokas mentioned that for AB 2511 – 96 Hours Emergency Power HCAI effort for

12 SNFs, 759 facilities assessments were submitted, and 22 facilities were determined to

13 be compliant.

14 Mr. Griffiths inquired on how OSHPD reaches, influences, and motivates the decision-

15 makers responsible for major healthcare projects. Mr. Tokas answered that there were

16 groups that do outreach for such projects.

17

#### 18 **Information and Action item**

- 19          • None.

20

### 21 **13. Building Standards Unit (BSU) Update**

22 **Presenter:** Mia Marvelli, BSU Supervisor

#### 23 **Discussion and input**

24 Ms. Marvelli highlighted BSU's roles:

- 25          • Plan Review Quality Assurance
- 26          • CPR/AMC Assistance
- 27          • Staff Training
- 28          • Liaison to CDPH
- 29          • Address Technical Questions from Design Professionals
- 30          • Publish CANs/PINs/SoPs, Guides, etc
- 31          • Conduct Webinars
- 32          • Monitor National Codes and Standards development
- 33          • Propose Title 24 Code changes

- 1 • Coordinate/Collaborate with State Agencies
- 2 Ms. Marvelli reported on BSU and State Agency coordination:
- 3 • Bi-weekly meetings address outstanding items
- 4 • Title 22 Rewrite ongoing (assisting)
- 5 • Coordinate Title 24 code changes
- 6 • AB 2511 SNF review
- 7 • Water Rationing Plans
- 8 • Methods of Procedures Guidance
- 9 • Processes for survey discovery of unauthorized projects
- 10 • Functional Program Rewrite
- 11 • Dietary Functional Program/Guide
- 12 • COVID Reset coordination/Program Flex
- 13 • Indoor Air Quality Unit

14 Ms. Marvelli stated that BSU was working with the Mental Health Services Oversight  
15 and Accountability Commission to ensure that all regulations needed in Title 24 are in  
16 the code.

17 Ms. Marvelli stated that BSU was having monthly meetings with AIA Central Valley  
18 Chapter to work on the Remodel CAN, Title 24 code changes, and Alternate Method of  
19 Compliance process for field staff.

20  
21 **Information and Action item**

- 22 • None.

23

24 **14. Inspection Services Unit (ISU) Update**

25 **Presenter:** Joe LaBrie, ISU Supervisor

26 **Discussion and input**

27 Mr. LaBrie stated that ISU support, IT, and consultants have weekly meetings to  
28 exchange key development information about the eTIO.

29 He stated that ISU had been conducting certification and recertification exams:

- 30 • Hospital Inspector Certification Exams in April
- 31 ○ Sacramento - 19 examinees
- 32 ○ Los Angeles - 36 examinees

1 • IOR Recertification Training and Exams in April

2 ○ Sacramento - 38 examinees

3 ○ Los Angeles - 81 examinees

4 Mr. LaBrie reported that ISU was:

5 • working on the Compliant Officer (CO) Academy which was in its early-stage  
6 development.

7 • supporting the plan review group in construction through the review of NMAs  
8 or ACDs, and actual project reviews.

9 • doing the matrix management approach toward field assignments happening  
10 in the Field Compliance Unit (FCU).

11 • doing IOR supplemental monitoring where the staff go throughout the State of  
12 California and make some regular announced site visits and sit down with  
13 IORs.

14 Mr. LaBrie listed other ISU efforts:

15 • IOR utilization

16 • ISU Training Certificate added to professional record

17 • Code change proposal

18 • ISU Preconstruction and Construction Advisory Seminars

19 • HBSB collaboration

20 • DPOR Training and Outreach with CAB/AIA

21 • Enhanced IOR monitoring and training

22 • eTIO training

23 • Field brief advice

24 • Field operation manual

25 • Field staff quality/consistency monitoring and training

26 • HICE exam automation

27 Mr. Mackey asked for an eTIO update. Mr. LaBrie answered that the ISU team meets  
28 regularly with a consulting group to help mobilize and bring out the eTIO development.

29 Mr. Hudson asked how the ISU was handling the issue with the lack of IORs. Mr. LaBrie  
30 stated that there were plans to have an IOR academy within OSHPD.

31

32 **Information and Action item**

33 • None.

34

1 **15. Fire Prevention Unit (FPU) Update**

2 **Presenter:** Nanci Timmins, Chief Fire Life Safety Officer

3 **Discussion and input**

4 Ms. Timmins gave an update on the FPU workload:

- 5 • Fire and Life Safety Officer (FLSO) II - FLSSO staff graduated and had  
6 been assigned to regions.
- 7 • Fire Life Safety (FLS) training program – training program has been  
8 recognized and appreciated.
- 9 • FLSSO I recruitment – ongoing interviews for new candidates for the new  
10 Fire Life Safety Academy which happens every two to three years.
- 11 • 2025 California Building Standards Codes.
  - 12 ○ Changes submitted to State Fire Marshal (SFM) were cleaned up and  
13 clarifications made with a few new proposals.
  - 14 ○ The model code reorganized CBC 407.
  - 15 ○ Amended some of the model language and aligned with NFPA 2012.
  - 16 ○ Proposed language for additional options for how a fire barrier can  
17 terminate.
  - 18 ○ Model code also reorganized section 10083.
- 19 • Stakeholder Training - ambulatory care training, new FAQs for Ejs,  
20 training on fire alarm, fire sprinklers, generators, bulk oxygen fuel tanks,  
21 and energy storage systems.
- 22 • Fire Prevention Officers Training CAFAA
- 23 • ICC committees – ICC Healthcare Community, ICC 1100 Committee, and  
24 ICC Building Code Interpretation Committee.
- 25 • SFM collaboration – collaboration with the SFM Fire Alarm Committee.

26  
27 **Information and Action item**

- 28 • None.

29

30 **16. Structural Services Section Update**

31 **Presenter:** Roy Lobo, Principal Structural Engineer

32 **Discussion and input**

33 Mr. Sumer stated that there would be a refresher webinar/seminar for AB 1882  
34 scheduled for late summer 2024.

35

1 He gave an update on the AB 2190 Extension Categories:

- 2 • AB 2190 Rebuild - Completion by January 1, 2025.
- 3 • Specific facility extensions:
  - 4 ○ AB 1471 Santa Clara Valley - Completion by July 1, 2026.
  - 5 ○ AB 2404 Pacifica - Completion by January 1, 2025.

6 Mr. Sumer remarked that AB 2190 programs were working with several facilities to bring  
7 compliance through either retrofit, replace, or rebuild.

8 He discussed scheduled Seismic Compliance Unit webinars:

- 9 • Small and Rural Hospital Relief Program (Association of Medical Facility  
10 Professionals)
  - 11 ○ Plan requirements have been simplified per PIN 71 document
  - 12 ○ Grant application portal
- 13 • Webinar covering SPC 2 to SPC 4D upgrade
- 14 • NPC Projects
- 15 • AB1882 Refresher

16 Mr. Scheuerman gave an update on the Small and Rural Hospital Relief Program  
17 (SRHRP):

- 18 • Financial forecast estimates \$2.6 million available the first year, issued to  
19 SRHRP quarterly.
- 20 • Applications are currently being accepted on an ongoing basis.
- 21 • Office of Health Facility Loan Insurance (OHFLI) grant award notices went  
22 out for the first handful of awardees.
- 23 • Future awards will be made on a quarterly cycle.
- 24 • OHFLI currently automating its award documentation process.
- 25 • 2023-24 Budget Act designated one-time additional funding of \$50 million.

26 Mr. Scheuerman mentioned that there were two SRHRP grant awardees as of March  
27 2024:

- 28 • George L Mee Memorial Hospital
- 29 • Kern Valley Healthcare District

30 Mr. Lobo specified that the Structural Support Unit oversees different programs:

- 31 • OSHPD preapproved programs
- 32 • Structural/Nonstructural California amendments



- 1 • Geotechnical reviews
- 2 • Seismic instrumentation
- 3 • Structural training and support to the regions
- 4 • Management of contract-out plan reviews
- 5 • Other Activities

6 Mr. Lobo highlighted the proposed changes to the 2025 California Building Code, Title  
7 24:

- 8 • Repeal adoption of the 2021 International Building Code (IBC).
- 9 • Adopt 2024 IBC.
- 10 • Amend as necessary to create the 2025 California Building Code, Part 2,  
11 Title 24.
- 12 • Retained existing risk categories for OSHPD 1R, 2, and 5 buildings.
- 13 • ASCE 7-22 has a new force equation for design of nonstructural  
14 components.
- 15 • Added peer review requirement for wind tunnel testing.
- 16 • Deleted Table 1705 A.2.1 Steel special inspections to be substituted with  
17 a new PIN.
- 18 • Permit use of bolted steel moment frame connections for the main lateral  
19 force resisting system.

20 Mr. Mackey asked if the Division of the State Architect (DSA) had an OPM, OPAA  
21 program. Mr. Lobo answered that the DSA Laboratory Evaluation and Acceptance  
22 (LEA) program was equivalent to an OPAA program.

23

#### 24 **Information and Action item**

- 25 • None.

26

#### 27 **17. Comments from the public/committee members on issues not on this agenda**

28 **Presenter:** Louise Belair, Board Chair

29

#### 30 **Discussion and input**

- 31 • None.

32

1 **Information and Action item**

- 2 • None.

3

4 **18. Adjournment**

5 Ms. Belair adjourned the meeting on April 18, 2024, at approximately 3:06 p.m.

# Offsite Fabrication/ Preassembled Components Webinar Subcommittee of the Education and Outreach Committee

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Draft Meeting Report/Minutes

March 26, 2024

May 8, 2024

June 11, 2024

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2020 West El Camino Avenue, Suite 800  
Sacramento, CA 95833  
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**HOSPITAL BUILDING SAFETY BOARD  
Offsite Fabrication/Preassembled Components Webinar Development  
Subcommittee**

**Tuesday, March 26, 2024  
10:00 a.m. – 4:00 p.m.**

**Teleconference Meeting Access:**  
[HBSB Teams EO Committee](#)  
Access Code: 944-364-209

**Subcommittee Members Present**

Cody Bartley, Subcommittee Chair  
Scott Mackey, Vice-Chair  
Teresa Endres

**HCAI Staff Present**

Richard Tannahill  
Alireza Asgari  
Joe LaBrie  
Ali Sumer  
Nanci Timmins

**HBSB Staff Present**

Veronica Yuke, Acting Executive Director  
Marcus Palmer  
Evetts Torres

1 **1. Welcome and Introductions**

2 Cody Bartley, Subcommittee Chair, called the meeting to order on March 26, 2024, at  
3 10:00 a.m., and HBSB Acting Executive Director, Veronica called roll.

4

5 **2. Roll Call and Meeting Advisories/Expectations**

6 Two members of the Committee present constitute a quorum. There being three present  
7 at the time of roll, a quorum was established.

8

9 Ms. Yuke read the meeting rules and procedures.

1 **3. Review and approve the draft February 28, 2024, meeting report/minutes**

2 **Presenter:** Cody Bartley, Subcommittee Chair

3

4 **Discussion and Input**

5 Mr. Bartley noted that the previous meeting involved discussing and refining the draft  
6 content, including adding definitions, examples, and fire alarm placements.

7

8 **Informational and Action item**

- 9 • None

10

11 **MOTION: [Endres/Mackey]**

12 The committee unanimously voted to approve the February 28th, 2024, meeting  
13 report/minutes.

14

15

16 **4. Review of new content for Offsite Fabrication/ Preassembled Components**  
17 **webinar**

18 **Presenter:** Cody Bartley, Subcommittee Chair

19

20 **Discussion and Input**

21 Ms. Timmins talked about the added Offsite Fabrication/Preassembled Components  
22 webinar topics:

- 23 • Fire and life safety – different setups would be determined by the type of  
24 construction that the preassembled units are in.
- 25 • Materials – reviewing and making sure the materials in the preassembled units  
26 are what was permitted.
- 27 • Protection of fire-resistance-rated assemblies – consideration of timing and  
28 logistics.
- 29 • Exiting – considerations of where the unit would be in the building, its impact on  
30 egress routes, travel distances, and intervening rooms.
- 31 • Fire alarm - Provide details for fire alarm coverage.
- 32 • Sprinklers - Provide details and dimensions for sprinkler protection per CBC  
33 /CFC 903 and NFPA 13.
- 34 • Other considerations like shipping and delivery and preplan route and watch  
35 overpass height limitations.

1 Mr. Bartley pointed out some editorial changes on the slides:

- 2 • Slide 65, Kaiser Riverside – added pictures of offsite fabrications, headwall, and
- 3 footwall prefabrications.
- 4 • Slide 7, Prefabricated systems – editorial comments.
- 5 • Additional comments on slide 12, purpose of HCAI preapproved prefabricated
- 6 components and systems PCS.
- 7 • Language change on slide 39, submittal requirement slide
- 8 • Added content and speaking points on slide 44, what should the document
- 9 show?
- 10 • Added summary slide of inspection and process.

11

12 Mr. Mackey suggested reducing the amount of text on slides and opting for key bullet  
13 points instead.

14 Mr. Mackey asked if the message on the TIO slide was delivered correctly. Mr. LaBrie  
15 answered that the message on the slide addressed the issue and suggested including a  
16 narrative describing how stakeholders gain personal knowledge, considering the  
17 differences between offsite and traditional construction methods.

18 Mr. Tannahill asked if the presentation could be divided into three sections: 1) offsite  
19 construction, 2) onsite construction, and 3) examples. Mr. Bartley agreed, stating it was  
20 a good idea to have one section on offsite inspection at the shop, followed by on-site  
21 inspection upon receipt, and final inspection post-installation.

22 An interested party asked if some clarification could be made regarding a vendor that  
23 was doing pre-assembly components. Mr. Tannahill answered that pre-manufactured  
24 products undergoing pre-approval required a separate process, ensuring approval for  
25 project placement based on location and usage without the need for re-review.

#### 26 **Informational and Action item**

- 27 • None

28

#### 29 **4. Review of speaking roles and proposed presenters**

30 **Presenter:** Cody Bartley, Subcommittee Chair

#### 31 **Discussion and Input**

32 Mr. Bartley mentioned that presenters were identified on each slide for easy reference.

33 Mr. Mackey asked about the anticipated timeframe for distributing the final slide deck.

34 Mr. Bartley answered that the final slide deck would be ready before the next meeting.

35

1 **Informational and Action item**

- 2 • None

3

4 **5. Set agenda for April 24, 2024, sub-committee meeting/dry-run**

5 **Presenter:** Cody Bartley, Subcommittee Chair

6

7 **Discussion and Input**

8 Mr. Bartley said the focus of the meeting would be conducting dry run of the  
9 presentation, starting with a summary of each slide and then two full dry runs to refine  
10 the presentation delivery.

11 The meeting is scheduled for April 24, 2024.

12

13 Mr. Bartley stated that an updated version of the draft would be available in two weeks,  
14 aligning with their timeline for finalization.

15 **Informational and Action item**

- 16 • None

17

18 **5. Comments from the public/committee members on issues not on this agenda**

19 **Presenter:** Cody Bartley, Subcommittee Chair

20 **Discussion and input**

- 21 • None.

22

23 **Informational and Action item**

- 24 • None.

25

26 **6. Adjournment**

27 Mr. Bartley adjourned the meeting on March 26, 2024, at approximately 10:56 a.m.





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Sacramento, CA 95833  
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**HOSPITAL BUILDING SAFETY BOARD  
Offsite Fabrication/Preassembled Components Webinar Development  
Subcommittee**

**Wednesday, May 8, 2024  
1:00 p.m. – 4:00 p.m.**

**Teleconference Meeting Access:  
Access Code: 984-661-861**

**Sub-Committee Members Present**

Cody Bartley, Subcommittee Chair  
Scott Mackey, Subcommittee Vice-Chair  
Teresa Endres

**HBSB Staff Present**

Veronica Yuke, Acting Executive Director  
Marcus Palmer  
Evet Torres

**HCAI Staff Present**

Richard Tannahill  
Arash Altoontash  
Alireza Asgari  
Hussain Bhatia  
Mia Marvelli  
Ali Sumer  
Nanci Timmins  
John Gray

**1. Welcome and Introductions**

Cody Bartley, Subcommittee Chair, called the meeting to order on May 8, 2024, at 1:00 p.m., and HBSB Acting Executive Director, Veronica called roll.

**2. Roll Call and Meeting Advisories/Expectations**

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

Ms. Yuke read the meeting rules and procedures.

1 **3. Review and approve the draft March 26, 2024, meeting report/minutes**

2 **Presenter:** Cody Bartley, Subcommittee Chair

3 **Discussion and Input**

4 Mr. Bartley reported that the previous meeting covered protection for fire-resistant  
5 assemblies, fire alarm considerations, and sprinklers, reviewed speaking roles, and  
6 editorial comments aimed at reducing slide text.

7

8 **Informational and Action item**

- 9 • None

10

11 **MOTION: [Mackey/Endres]**

12 The committee unanimously voted to approve the March 26, 2024, meeting  
13 report/minutes.

14

15 **4. Review slides for Offsite Fabrication/ Preassembled Components webinar**

16 **Presenter:** Cody Bartley, Subcommittee Chair

17

18 **Discussion and Input**

19 Mr. Bartley provided updates on the progress of the webinar topics:

- 20 • Definitions – Mr. Bhatia  
21 ○ Editorial changes to reduce bullet points to the definition of components,  
22 manufactured, and prefabricated.
- 23 • Architect’s view – Ms. Endres and Mr. Mackey  
24 ○ Prefabricated components to offer architects and clients higher quality, cost  
25 savings, and improved efficiency, with a focus on safety collaboration.
- 26 • Contractor view – Mr. Bartley  
27 ○ Advantages of prefabrication, such as reducing onsite coordination and labor,  
28 improving quality and predictability, and enhancing safety through  
29 standardized processes.
- 30 • OSHPD view – Mr. Bhatia  
31 ○ Definition and equivalence of components, and assemblies in architectural,  
32 mechanical, and electrical systems, focusing on the prefabrication of  
33 components.

34

- 1 • Background – Mr. Bhatia
  - 2 ○ OSHPD Preapproved Prefabricated Components and Systems (PCS)
  - 3 ○ OSHPD Preapproval of Manufacturer's Certification (OPM)
  - 4 ○ OSHPD Special Seismic Certification Preapproval (OSP)
  - 5 ○ OSHPD Preapproved Agency (OPAA)
  - 6 ○ OSHPD Preapproved Details (OPD)
  - 7 ○ OSHPD Preapproval of Anchorage
- 8 • Prefabricated systems – Mr. Bhatia
  - 9 ○ OSHPD PCS examples
- 10 • Select your kit of parts – Mr. Bartley and Mr. Alireza
  - 11 ○ Highlight the growing use of prefabrication across markets.
- 12 • Some Options: Preassembled or Prefabricated – Mr. Bartley
  - 13 ○ Prefabrication could be applied to modular plants, integrated imaging ceilings,
  - 14 and prefabricated stairs and elevators, reducing congestion and costs, and
  - 15 making remodels more efficient.
- 16 • Distinctions – Mr. Bhatia and Mr. Bartley
  - 17 ○ Distinction between offsite prefabrication location and purpose.
- 18 • Purpose – buildings as products – Mr. Alireza
  - 19 ○ The OSHPD PCS program offers multidisciplinary preapproval for
  - 20 prefabricated components and systems in healthcare construction projects.
- 21 • Goals of the PCS – Mr. Bartley
  - 22 ○ The goals of the PCS program were to save money on projects by reducing
  - 23 review and design time and ensuring timely field execution, while maintaining
  - 24 consistent quality, whether onsite or prefabricated.
- 25 • Why Offsite Prefabrication? – Mr. Bartley and Ms. Endres
  - 26 ○ Offsite prefabrication was driven by the need for speed to market, market
  - 27 capture, and revenue capture, as faster building completion was crucial for
  - 28 owners, and reduced onsite workforce needs.
- 29 • Example project – Ms. Endres
  - 30 ○ Advantages of room templates plus prefabrication.
  - 31 ○ Applying room templates for offsite prefabrication and modular design.
  - 32 ○ Leveraging the universal grid and modular planning principles.
  - 33 ○ Standard versus customized.
- 34 • Design for manufacture and assembly – Mr. Mackey
  - 35 ○ Focus on simplifying manufacturing and assembly using standardized, pre-
  - 36 assembled components to enhance efficiency, reduce complexity, and
  - 37 improve cost, safety, and quality through high-volume repetition in a
  - 38 controlled environment.

- 1 • Timing to integrate PCS into design – Mr. Mackey and Mr. Bartley
  - 2 ○ The key to integrating PCS into design was to do it early in the process to
  - 3 identify and fine-tune components, focusing on their size, function, efficiency,
  - 4 and effectiveness. Early integration ensured simplicity, speed of assembly,
  - 5 quality control, and speed to market.
  
- 6 • Preassembled units, fire and life safety considerations – Mr. Bhatia
  - 7 ○ Materials
  - 8 ○ Protection of Fire Resistance Rated Assemblies
  - 9 ○ Exiting
  - 10 ○ Fire alarm
  - 11 ○ Sprinklers
  - 12 ○ Other considerations - Shipping and delivery, preplan route and watch
  - 13 overpass height limitations.
  
- 14 • PCS application submittal requirements – Mr. Alireza
  - 15 ○ PCS approval process - The PCS approval process entails a multidisciplinary
  - 16 review post-program submission, with coordination meetings held between
  - 17 design professionals and manufacturers, comments addressed, and approval
  - 18 granted thereafter.
  - 19 ○ What should documents show - Documents should comply with California
  - 20 Building codes and standards, feature a clear table of contents, present
  - 21 calculations and testing data, incorporate TIO reports, provide common case
  - 22 scenarios and sizes, and ensure coordination between disciplines before
  - 23 submittal.
  
- 24 • Offsite project-specific prefabrication – Mr. Bartley
  - 25 ○ Offsite project-specific fabrication requires adherence to onsite inspection
  - 26 standards, multiple inspection levels, and careful logistics planning to avoid
  - 27 damage during transportation.
  
- 28 • Who Inspects Offsite Prefabrication? – Mr. Bhatia
  - 29 ○ Offsite Inspections at Prefabrication Site
  - 30 ○ Onsite Inspections
  - 31 ○ Weatherization
  - 32 ○ Change Management
  - 33 ○ TIO program
  
- 34 • OSHPD PCS project examples - Mr. Bartley
  - 35 ○ UCSF – Proposed offsite fabricated bathroom pods.
  - 36 ○ UCSF – Proposed offsite fabricated overhead corridor utility frame.
  - 37 ○ OSHPD 3 Project components in Sacramento.
  - 38 ○ OSHPD 1 project in San Jose.
  - 39 ○ Kaiser Permanente – Roseville.

- 1 • Summary – Mr. Bhatia
- 2 • The Ask – Mr. Bhatia
- 3 • Q and A

4 Mr. Mackey proposed that the OSHPD view intro slide should factor determining the  
5 elements' definition.

6 Mr. Bartley proposed taking out the UCSF-proposed offsite fabricated bathroom pod  
7 slide.

8 Mr. Mackey asked if permission was granted to use Kaiser Permanente as a reference  
9 in the OSHPD PCS project examples. Ms. Endres answered that she would need  
10 clarification on that. Mr. Mackey suggested using the project in Roseville.

11 Ms. Colosi commented that the design professional slide should clarify what is  
12 prefabricated, and what needs offsite and onsite inspection, and relate the information  
13 to the TIO slide.

14 Mr. Tannahill suggested including an introduction slide with the presenters'  
15 backgrounds.

16 An interested party proposed explaining how construction and inspection would work  
17 with pre-assembled components, including details on whether they would be fully  
18 enclosed with drywall, connection points, and onsite inspection procedures.

19 Mr. Bartley concluded that updates were needed for the PCS screenshot, rewording the  
20 goal slide, and changing pictures on slides 40 and 50.

21 Mr. Bartley asked if the webinar dates could be set. Ms. Yuke stated that the proposed  
22 dates were June 18, 25, and 27.

23 Mr. Bartley suggested that the webinar takes one and a half hours with an additional 15  
24 minutes allocated for Q and A.

### 25 **Informational and Action item**

- 26 • Getting a poll out for June 18, 25, or 27.
- 27 • Updating slides on prefabrication.
- 28 • Screenshot of the submittal for PCS from HCAI website.
- 29 • Rewording the Goals of the PCS slide.
- 30 • Updating pictures and adding the TIO on slides 40 and 50.

31

### 32 **5. Practice-run for the webinar**

33 **Presenter:** Cody Bartley, Subcommittee Chair

### 34 **Discussion and Input**

35 Mr. Bartley mentioned that item five was covered during item four discussion.

1 Mr. Bartley asked if there was a need for a dry run before the webinar or if the current  
2 presentation sufficed. Ms. Endres answered that there should be a dry run to ensure  
3 readiness for the webinar.

4

5 **Informational and Action item**

- 6 • None.

7

8 **6. Comments from the public/committee members on issues not on this agenda**

9 **Presenter:** Cody Bartley, Subcommittee Chair

10 **Discussion and input**

- 11 • None.

12

13 **Informational and Action item**

- 14 • None.

15

16 **7. Adjournment**

17 Mr. Bartley adjourned the meeting on May 8, 2024, at approximately 3:05 p.m.



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**Hospital Building Safety Board  
Offsite Fabrication/Preassembled Components  
Webinar Development Subcommittee**

**Tuesday June 11, 2024  
10:00 a.m. – 2:00 p.m.**

Locations: 2020 West El Camino Ave, Conference Room 930, Sacramento, CA 95833  
355 South Grand Avenue, Conference Room 1901, Los Angeles, CA 90071

**Committee Members Present**

Cody Bartley, Chair  
Scott Mackey, Vice Chair  
Teresa Endres

**HBSB Staff Present**

Veronica Yuke, Acting Executive  
Director  
Marcus Palmer  
Evet Torres

**HCAI Staff Present**

Arash Altoontash  
Alireza Asgari  
Hussain Bhatia  
Joe LaBrie  
Mia Marvelli  
Richard Tannahill  
Nanci Timmins

- 1 **1. Call to Order and Welcome**
- 2 **Facilitator:** Cody Bartley, DPR Construction; Subcommittee Chair
- 3 Cody Bartley called the meeting to order and welcomed attendees to the Hospital
- 4 Building Safety Board's webinar development subcommittee session.
- 5
- 6 **2. Roll Call and Meeting Advisories/Expectations**
- 7 **Facilitator:** Veronica Yuke, Supervisor, HCAI; Acting Executive Director
- 8 Veronica Yuke conducted the roll call, confirmed a quorum, and outlined meeting
- 9 expectations.

1 **3. Review and approve the draft May 8, 2024, meeting report/minutes**

2 **Facilitators:** Cody Bartley, DPR Construction; Committee Chair

3 Cody Bartley reviewed the draft May 8, 2024, meeting report, highlighting discussions  
4 on prefabrication and pre-assembly, updates to the PowerPoint slides, and setting the  
5 webinar date. The report was then opened for questions or comments from the board  
6 members.

7

8 **Subcommittee Comments**

- 9 • **Scott Mackey** thanked the staff for an excellent summation of the meeting and  
10 acknowledged their hard work in putting the notes together. Cody Bartley concurred,  
11 stating the meeting report/minutes was perfect, and called for a roll call vote for  
12 approval.

13 **MOTION: Approve draft May 8, 2024, meeting report/minutes [Mackey/Endres]**

14 The committee unanimously voted to approve the March 26, 2024, meeting  
15 report/minutes.

16

17 **4. Practice-run for the webinar**

18 **Facilitators:** Cody Bartley, DPR Construction; Committee Chair; Teresa Andres, AIA,  
19 ACHA, EDAC, AAH, Senior Associate, Medical Planning Director; Scott Mackey, AIA,  
20 NCARB, APEC, Design Manager; Hussain Bhatia, Supervisor, HCAI; Alireza Asgari,  
21 Senior Structural Engineer, HCAI

22 **Cody Bartley**

23 **Introduction and Objectives**

- 24 • Importance of smooth practice run to improve flow and refine content.  
25 • Quick transition through the first 30 slides to maintain audience interest.  
26 • Focus on submitting for PCSs and the inspection process.  
27 • Suggested removing animations from slides for better presentation quality.

28 **Contractor's Perspective**

- 29 • Advantages of prefabrication:  
30 • Reduces onsite workforce and improves quality.  
31 ○ Shifts work to controlled environments, enhancing safety and predictability.  
32 • Importance of collaboration with OSHPD for regulatory compliance.  
33 • Examples of prefabricated products and systems:  
34 ○ Modular chiller plants.  
35 ○ Integrated surgical ceilings.  
36 ○ Stairwells and elevator shafts.  
37 ○ Multi-trade racks.



- Medical headwalls and footwalls.

## PCS Program Goals

- Reduce design costs by simplifying drawing and review time.
- Save time and money in construction through productivity, safety, and quality focus.
- Prefabrication ensures quality control with reduced hourly effort in safer environments.
- Pre-approvals reduce acceptance uncertainty and offsite construction reduces field variables.
- Benefits include schedule reduction, waste minimization, improved quality control, consistency, safety, and collaboration.

## Hussain Bhatia

- Overview of the webinar on pre-approved prefabricated components and systems.
  - Definitions:
    - **Prefabricated components:** Architectural and mechanical parts of systems, potentially assembled offsite.
    - **Offsite prefabrication:** Assembly of components offsite and installation onsite.
    - **Preassembled components:** Treated as equal to prefabricated components.

## OSHPD Pre-Approval Programs

- Five distinct pre-approval programs:
  - **PCS Program:** Focus on prefabricated components and systems.
  - **OPM Program:** Approval of anchorage systems.
  - **OSP Program:** Special seismic certification of components.
  - **OPA Program:** Pre-approval of inspection agencies.
  - **Discontinued OPA Program.**
- Examples of PCS approved items:
  - Simpson Strong-Tie Yield-Link moment connection.
  - Short pods (prefabricated bathroom pods).
  - Euro face frames (structural system).

## Distinctions in Prefabrication

- Differences between adjacent-to-site and out-of-state prefabrication.
- Project-specific vs. PCS approval.
- Importance of pre-approval to streamline construction and reduce review time.

## Code and Material Considerations:

- Prefabrication must comply with specific site construction types and material codes.
- Protection of fire-resistant assemblies and proper integration of prefabricated components into the building structure is crucial.

- 1 • Inspection protocols need to consider both offsite and onsite requirements,  
2 ensuring compliance and safety.
- 3 • Detailed tracking and inspection plans are necessary for the seamless integration  
4 of prefabricated components.

## 5 **Scott Mackey**

### 6 **Architectural Perspective**

- 7 • Benefits of prefabricated components:
  - 8 ○ Greater quality control in a controlled environment.
  - 9 ○ Efficiency and safety in assembly techniques.
- 10 • Better product quality in the end result.

### 11 **Design for Manufacture and Assembly**

- 12 • Ensures efficiency and high-quality standards through controlled manufacturing  
13 environments.
- 14 • Simplified assembly process with standardized components enhances speed and  
15 efficiency.
- 16 • Prefabrication reduces field complexity, minimizes parts, and optimizes the  
17 construction process.
- 18 • Early design engagement with prefabrication improves connectivity,  
19 standardization, and reusability.
- 20 • Prefabrication goals include setting early design targets, optimizing speed,  
21 efficiency, and cost value.

## 22 **Alireza Asgari**

### 23 **Benefits of PCS Program**

- 24 • Reduces uncertainty and mitigates risk for manufacturers.
- 25 • Enhances reliability and compliance, fostering trust.
- 26 • Two main categories:
  - 27 ○ **Multidisciplinary prefabricated components:** Streamlines review process  
28 for healthcare projects.
  - 29 ○ **Main structural lateral systems:** Structural-only pre-approval, such as  
30 Simpson Yield-Link and Euro fields.

### 31 **PCS Submission and Approval Process:**

- 32 • Complete application submission to HCAI with supporting documents and a \$250  
33 fee.
- 34 • Review process involves multiple disciplines (structural, architectural,  
35 mechanical, electrical, fire life safety).
- 36 • Coordination between design professionals and manufacturers is essential for  
37 resolving comments and achieving approval.
- 38 • Documents must adhere to California Building Standard Code with HCAI  
39 modifications, including clear calculations and testing data.

1 **Teresa Endres:**

2 **Scale of Prefabrication:**

- 3 • Early identification of prefabrication needs is crucial, especially in medical  
4 planning.
- 5 • Example project: 1.6 million square feet with extensive prefabrication (336 acuity  
6 adjustable rooms, 450 toilet rooms, 42 operating rooms, 10,000 doors, 16,000  
7 pieces of equipment).
- 8 • Room templates range from components to fully volumetric rooms, impacting  
9 design efficiency and cost savings.
- 10 • Combining universal grid and modular planning principles enhances planning  
11 flexibility and quality.
- 12 • Customization is possible within prefabrication for higher aesthetics or  
13 functionality while maintaining efficiency and quality benefits.

14 **Inspection and Transportation Considerations:**

- 15 • Inspections must mirror onsite protocols, ensuring components are not buried or  
16 altered without proper review.
- 17 • Offsite inspections require coordination with transportation and site installation  
18 processes.
- 19 • Weatherization and change management are critical for maintaining component  
20 integrity and quality.
- 21 • Examples provided include multi-trade racks, bathroom pods, and prefabricated  
22 walls, demonstrating prefabrication's practical application and benefits in real  
23 projects.

24  
25 **5. Create webinar schedule**

26 **Facilitators:** Cody Bartley, DPR Construction; Committee Chair

27 **Discussion:**

- 28 • The webinar schedule was reviewed and confirmed, noting the necessity for a  
29 smooth run-through.
- 30 • Emphasis was placed on clarifying the roles and responsibilities, especially with the  
31 transition of presenter duties.
- 32 • Discussion highlighted the importance of cost-related questions during offsite  
33 inspections, focusing on who will pay and manage logistics.
- 34 • Concerns were raised about inspector qualifications and whether local inspectors  
35 could be used if properly certified.
- 36 • The committee agreed on using GoToWebinar software and addressed technical  
37 issues such as microphone functionality and early call-ins for troubleshooting.
- 38 • Slide adjustments were recommended, including removing specific names, updating  
39 content for consistency, and addressing formatting issues.

- 1 • Concerns about copyright issues with certain slide images were noted, with solutions  
2 proposed to avoid potential legal problems.  
3 • It was decided that presenters should be prepared to handle specific discipline-  
4 related questions, despite the lack of technical leads in the initial presentation.  
5

6 **6. Comments from the Public/Committee Members on Issues not on Agenda**

7 **Facilitators:** Cody Bartley, DPR Construction; Committee Chair

8 None.

9

10 **7. Adjournment**

11 **Facilitators:** Cody Bartley, DPR Construction; Committee Chair


12 Cody Bartley adjourned the meeting, thanking everyone for their participation.

# Codes and Processes Committee

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Draft Meeting Report/Minutes

May 8, 2024



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hcai.ca.gov



## Hospital Building Safety Board Codes and Processes Committee

**Wednesday, May 8, 2024**  
**10:00 a.m. – 12:00 p.m.**

2020 West El Camino Avenue, Conference Room 930, Sacramento, CA 95833  
355 South Grand Avenue, Conference Room 2000, Los Angeles, CA 90071  
Teams Meeting Access; Meeting ID: 240 626 346 370; Passcode: VF4Gf8  
Call in: (916) 535-0978; Phone Conference ID: 393 556 817#

### **Committee Members Present**

Michael O'Connor, Committee Chair  
Teresa Endres, Committee Vice-Chair  
Cody Bartley  
Louise Belair  
Jennifer Cox  
Michael Davis  
Gary Dunger  
Scott Mackey  
Jim Malley

### **Consulting Members Present**

Mark Hershberg

### **HCAI Staff Present**

Chris Tokas, Deputy Director  
Richard Tannahill, Deputy Division Chief  
Arash Altoontash, Deputy Division Chief  
Veronica Yuke, Acting Executive Director  
John Gray, Attorney  
Roy Lobo, Principal Structural Engineer  
Mia Marvelli, Supervisor  
Diana Navarro, Supervisor  
Carl Scheuerman, Compliance Officer  
Jamie Schnick, Senior Electrical Engineer  
Nanci Timmins, Chief Fire and Life Safety Officer

### **HBSB Staff Present**

Veronica Yuke, Acting Executive Director  
Marcus Palmer  
Evelt Torres

- 1 **1. Call to Order and Welcome**
- 2 **Facilitator:** Michael O'Connor, Principal, Nichols, Melburg & Rossetto; Committee
- 3 Chair
- 4 Mr. O'Connor called the meeting to order on May 8, 2024, and welcomed attendees.

1 **2. Roll Call and Meeting Advisories/Expectations**

2 **Facilitator:** Veronica Yuke, Supervisor, HCAI; Acting Executive Director

3 Eight members of the Committee present constitute a quorum. There being ten present  
4 at the time of roll, a quorum was established.

5

6 **3. Triennial Code Cycle update and timeline**

7 **Facilitator:** Mia Marvelli, Architect, Supervisor, HCAI

8 Ms. Marvelli provided an update on the 2024 Triennial Code Cycle, highlighting that the  
9 2022 Blue Page supplements will take effect on July 1, 2024, and discussed the  
10 ongoing rulemaking process for the 2025 edition of Title 24, including recent  
11 submissions for various code changes. She detailed important dates for public comment  
12 periods and upcoming committee meetings, emphasizing coordination with the state  
13 Fire Marshal and opportunities for public input.

14

15 **4. 2025 California Building Code, Part 2, Volume 1, Title 24: Proposed**  
16 **Amendments sent to the Office of the State Fire Marshal**

17 **Facilitator:** Nanci Timmins, Chief Fire and Life Safety Officer, HCAI

18 Ms. Timmins reviewed the proposed amendments to the 2025 California Building Code,  
19 emphasizing alignment with NFPA 101 standards and clarifying egress requirements for  
20 treatment rooms and atriums, reorganization of suite design sections, and updates to  
21 fire barrier regulations for incidental use rooms. She also highlighted reinstating NFPA  
22 99 references for electrical systems and maintaining stricter California-specific fire  
23 safety measures for cooking facilities in healthcare settings. The amendments aim to  
24 enhance clarity, consistency, and safety compliance in the code.

25

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

27 **Facilitator:** Chris Davis, SE, District Structural Engineer, HCAI

28 Mr. Davis provided an update on the development of the Electronic Test, Inspection,  
29 and Observation (eTIO) system, which aims to replace the current paper-based process  
30 with a fully digital tool. He highlighted key features such as a user-friendly interface with  
31 visual status indicators, detailed summaries for each test and inspection, and the ability  
32 to track progress with start and finish dates. The goal is to streamline project  
33 management and ensure all testing and inspections are efficiently documented and  
34 accessible online.

35

36 **Discussion and Input**



- 1 • **Michael O'Connor:** Asked about the initiation of the workflow for the eTIO system  
2 and the ability to distinguish physical areas in larger projects.  
3 **Chris Davis:** Explained that the workflow will be similar to the current process,  
4 initially requiring the selection of tests and special inspections before further  
5 refinement post-plan review. Milestones can be used to distinguish physical areas,  
6 with further refinement expected through practical use.
- 7 • **Louise Belair:** Inquired if the VCR request process would be automated.  
8 **Chris Davis:** Stated that the VCR process aims to be partially automated, with  
9 emails sent to designated professionals to submit VCRs through a portal once  
10 milestones are signed off.
- 11 • **Scott Mackey:** Asked about plans for beta testing the system.  
12 **Chris Davis:** Confirmed that internal testing will be followed by pilot tests involving  
13 volunteers, including board members, to iron out any issues.
- 14 • **Cody Bartley:** Sought clarification on how the eTIO system will handle offsite  
15 prefabrication.  
16 **Chris Davis:** Confirmed that the system accounts for offsite fabrication, allowing  
17 tests and inspections to be defined for both onsite and offsite activities, with clear  
18 visual indicators for easy tracking.  
19

## 20 **6. Standard Details Update**

21 **Facilitator:** Gary Dunger, Executive Director, Design and Construction, Cedars-Sinai  
22 Health System; Committee Member

23 Mr. Dunger updated the committee on the progress of standard details, noting the  
24 addition of a Revit expert to his team for drawing and completing necessary details. He  
25 revisited a previous presentation to solicit final detail requirements from the committee,  
26 highlighting specific construction and MEP details needing review. He aims to present  
27 the completed details at the next meeting and requested additional input from  
28 committee members.

## 29 **Discussion and Input**

- 30 • **Cody Bartley:** Asked about the best way to submit requests.  
31 **Michael O'Connor:** Responded that they should be channeled through the hospital  
32 building safety boards for distribution.
- 33 • **Michael O'Connor:** Appreciated Mr. Dunger's organization and suggested starting  
34 with a few details, then rolling out more progressively. He offered additional Revit  
35 support and emphasized the importance of not duplicating existing work.
- 36 • **Mia Marvelli:** Inquired about prioritizing easier tasks first.  
37 **Gary Dunger:** Explained the lengthy process involved in creating and reviewing  
38 details but agreed it made sense to proceed with simpler tasks while addressing  
39 more complex ones simultaneously.  
40

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

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

3 No comments.

4

5 **8. Adjournment**

6 The meeting was adjourned by the Chair Michael O'Connor.

# Education and Outreach Committee

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Draft Meeting Report/Minutes

May 22, 2024

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2020 West El Camino Avenue, Suite 800  
Sacramento, CA 95833  
hcai.ca.gov



**HOSPITAL BUILDING SAFETY BOARD  
Education and Outreach Committee Meeting**

**Wednesday May 22, 2024  
10:00 a.m. – 4:00 p.m.**

2020 West El Camino Ave, Conference Room 930, Sacramento, CA 95833  
355 South Grand Avenue, Conference Room 1901, Los Angeles, CA 90071  
Teams Meeting Access; Meeting ID: 288 221 992 180; Passcode: FRAs4n  
Call in: (916) 535-0978; Phone Conference ID: 615 154 53#

**Committee Members Present**

Scott Mackey, Chair  
Cody Bartley, Vice Chair  
Janice Cheung  
Michael Davis  
Gary Dunger  
Teresa Endres  
Bert Hurlbut  
Courtney Johnson  
Jim Malley

**HCAI Staff Present**

Chris Tokas, OSHPD Deputy Director  
Richard Tannahill  
Arash Altoontash  
Paul Coleman  
Monica Colosi  
Darren Graves  
Mia Marvelli  
Jamie Schnick  
Nanci Timmins  
John Gray, Attorney

**Consulting Members Present**

Kelly Martinez  
Belinda Young  
Bill Zellmer

**HBSB Staff Present**

Veronica Yuke, Acting Executive Director  
Marcus Palmer  
Evet Torres

- 1 **1. Call to Order and Welcome**
- 2 **Facilitator:** Scott Mackey, AIA, NCARB, APEC, Design Manager, Hensel Phelps;
- 3 Committee Chair
- 4 Mr. Mackey called the meeting to order at 10:00 a.m. and welcomed attendees.
- 5

1 **2. Roll Call and Meeting Advisories/Expectations**

2 **Facilitator:** Veronica Yuke, Supervisor, HCAI; Acting Executive Director

3 Ms. Yuke conducted the roll call, confirming a quorum, and outlined meeting  
4 expectations and rules of engagement for both in-person and virtual attendees.

5  
6 **3. Review of Committee-supported 2024 accomplishments**

7 **Facilitators:** Scott Mackey; Teresa Endres, AIA, ACHA, EDAC, AAH, Senior Associate,  
8 Medical Planning Director, Taylor Design, Committee Member; and Jamie Schnick,  
9 Senior Electrical Engineer, HCAI

10 Mr. Mackey highlighted the committee's accomplishments in 2024, including  
11 participation in the OSHPD 2024 International Summit and Exhibition on Health Facility  
12 Planning, Design, and Construction, where key presentations were made on the  
13 OSHPD emergency design guide and California's microgrids.

14  
15 **4. and 5. Update on the [Design Guide for Working on Projects under OSHPD](#)  
16 [Jurisdiction – Tips from the Experts](#) and [Design Guide for Planning and](#)  
17 [Preparing for Disasters](#)**

18 **Facilitators:** Paul Coleman, Senior Architect, HCAI; and Mia Marvelli, Architect,  
19 Supervisor, HCAI

20 Ms. Marvelli announced the successful publication of the *Design Guide for Projects*  
21 *under OSHPD Jurisdiction*, and the *Design Guide for Planning and Preparing for*  
22 *Disasters*, highlighting the significant effort involved and the addition of a master  
23 glossary on the website. She indicated that advertisements for these guides have been  
24 posted.

25 **Committee Comments**

26 Mr. Mackey thanked Mr. Coleman and Ms. Marvelli for their exceptional work and  
27 leadership in updating and publishing the valuable Design Guide documents,  
28 highlighting their importance, and encouraging widespread use through the website.

29  
30 **6. Update on the Policy Intent Notice (PIN) 50 – Integrated Review webinar**

31 **Facilitator:** Diana Navarro, Supervisor, HCAI

32 Ms. Navarro announced the tentative date of September 25, 2024, for the PIN 50  
33 Integrated Review webinar, awaiting final confirmation. The webinar will cover the PIN's  
34 development, project requirements, and collaborative review processes, with sample  
35 projects and tools showcased. Additionally, starting September 5, tips of the day will be  
36 published to introduce the webinar and provide registration links.

1 **Committee Comments**

- 2 • Mr. Mackey asked if there were other ways to broadcast the webinar to the general  
3 public beyond the Tip of the Day. Ms. Navarro responded that they could use the  
4 main distribution through HBSB and invited Mr. Tokas to elaborate.
- 5 • Mr. Tokas explained that there are several channels available, including a  
6 Listserver with about 6,000 subscribers, as well as LinkedIn, CIA, CX, and other  
7 platforms for broader advertisement.
- 8 • Mr. Mackey inquired about the process for promoting events through organizations  
9 like AIA and DBIA. Mr. Tokas replied that although there is not a formalized  
10 process, they forward announcements to these organizations for their newsletters  
11 and utilize every possible channel to promote their events.  
12

13 **7. Update on the Offsite Fabrication/Preassembled Components webinar**

14 **Facilitators:** Cody Bartley, DPR Construction, Committee Vice Chair; and Teresa  
15 Endres

16 Mr. Bartley noted that the subcommittee met on May 8, 2024, to refine the webinar  
17 slides and messaging, with the final run-through scheduled for June 11, and the webinar  
18 set for June 25.

19 Mr. Tokas thanked the subcommittee for their extensive work, emphasizing the value  
20 and high public interest in the upcoming webinar.

21 **Committee Comments**

- 22 • Mr. Mackey expressed enthusiasm for the webinar, commending the effort and  
23 content, and noted the public's anticipation and the positive impact on building  
24 practices.
- 25 • Ms. Endres asked about advertising the webinar to AIA chapters. Ms. Marvelli  
26 responded that the flyer and AIA units request are pending but should be ready by  
27 the end of the week.  
28

29 **8. Creation of an “Island Hospital Concept” Subcommittee**

30 **Facilitator:** Scott Mackey and Jamie Schnick

31 Mr. Schnick discussed the motivations for exploring an island hospital concept,  
32 emphasizing rising utility costs, reliability concerns due to natural disasters and grid  
33 stress, and the increasing demand on the electrical grid from electric vehicles and  
34 growth. He highlighted the need for hospitals to gain control over their utility services to  
35 ensure consistent and reliable power. Mr. Schnick also discussed the evolution of  
36 hospital energy systems from traditional utility and diesel generators to more advanced  
37 microgrid configurations, highlighting examples such as Kaiser San Marcos and Valley

1 Children's, where microgrids enable hospitals to operate seamlessly during utility  
2 outages.

3 Marc Hoffman highlighted the economic benefits of adopting renewable energy and  
4 storage solutions for hospitals, noting that the cost of power in California is escalating  
5 and green energy has become more economical. He pointed out the challenge of  
6 managing integrated technologies and ensuring reliability when issues arise, as  
7 traditional single-source utility management is simpler. Mr. Hoffman also focused on the  
8 critical issue of power quality in microgrid and off-grid systems, explaining how  
9 fluctuations in renewable energy sources and load demands can impact power quality,  
10 potentially leading to equipment failures and increased energy costs.

11 David Bliss explained the diverse levels of energy independence for hospitals, from  
12 supplemental resources to full utility independence. He discussed conventional backup  
13 systems like diesel generators and introduced the concept of microgrids, which combine  
14 various energy resources to support hospital operations during outages. Dr. Bliss  
15 showcased examples of hospitals using these systems and discussed the technological  
16 and regulatory challenges involved.

17 Duc Bui elaborated on the design and operation of microgrids, using a specific hospital  
18 project as a case study. He explained how the microgrid at this hospital, featuring  
19 Bloom Energy fuel cells, operates independently of the utility grid during outages. Bui  
20 also noted the significant cost savings and operational benefits achieved through  
21 microgrids, including reduced dependency on utility power and lower energy costs.

## 22 **Committee Comments**

- 23 • Mr. Tokas expressed appreciation to the board for quickly reaching this point and  
24 emphasized the need to disseminate information about energy independence and  
25 redundancy for hospitals. He proposed creating a white paper to outline various  
26 options, to be reviewed by the subcommittee, the committee, and then the full  
27 board before publication, considering the mandates and deadlines ahead.
- 28 • Ms. Yuke inquired about the need to approve the creation of the subcommittee  
29 listed as an action item. Mr. Tokas clarified that the item should be transferred to  
30 the Energy Conservation and Management Committee's agenda, as it falls under  
31 their charge rather than the current committee. Mr. Mackey agreed to keep the  
32 topic on the agenda for updates and public outreach through the current  
33 committee.

## 34 **Public Comments**

- 35 • An Interested Party asked about the concerns regarding using Bloom Energy fuel  
36 cells powered by natural gas as part of the microgrid strategy for island hospitals,  
37 especially considering the move away from natural gas and the need for  
38 infrastructure updates. Mr. Bui responded by explaining that while natural gas is  
39 currently used, Bloom Energy is transitioning to hydrogen, which involves



1 converting natural gas to hydrogen for the fuel cells. He mentioned that future  
2 designs might involve using hydrogen directly instead of natural gas. Mr. Hoffman  
3 added that hydrogen fuel cells have advantages, such as quick reaction times to  
4 load changes, but the main challenge is securing a sufficient supply of hydrogen.  
5 He noted that the infrastructure for natural gas is well-established, but the shift to  
6 hydrogen will require addressing supply chain issues.

- 7 • An Interested Party acknowledged the current natural gas infrastructure and  
8 raised concerns about regulations and the potential need for Bloom Energy to find  
9 ways to distribute hydrogen. Mr. Bui mentioned ongoing efforts to generate  
10 hydrogen on-site using DC power to split hydrogen and oxygen, aiming to reduce  
11 costs over time. Mr. Schnick highlighted the potential of distributed hydrogen  
12 resources but noted the challenges such as hydrogen embrittlement of pipelines.  
13 He also mentioned other alternatives like ammonia and offered to discuss the  
14 topic further offline.

## 15

### 16 **9. California Administrative Code Training webinar**

17 **Facilitators:** Monica Colosi, Compliance Officer, HCAI, Darren Graves

18 Mr. Mackey highlighted the necessity of the training to address gaps in professionals'  
19 familiarity with the administrative code and expressed full support for the initiative.

20 Mr. Graves highlighted that the training webinar aims to improve understanding and  
21 application of the California Administrative Code among design professionals, including  
22 a two-part webinar series and subsequent examinations for certification. The first  
23 webinar is scheduled for June 6th, and the second for July 11th, with exams in August  
24 and January, offering continuing education credits and certification listing on the HCAI  
25 website.

### 26 **Committee Comments**

- 27 • Mr. Mackey asked about the timeframe and expiration date for the certificate,  
28 suggesting it should be updated based on new code cycles. He also inquired  
29 about potential costs associated with attending the webinars and suggested  
30 distributing flyers through various organizations to reach a broader audience.  
31 Mr. Graves explained that the certificate issuance date would indicate its  
32 relevance, with the option to retake the test for a more current certificate. He  
33 confirmed there are no costs for the webinars, and both Mr. Graves and  
34 Ms. Colosi agreed to consider distributing flyers through other organizations for  
35 wider reach.
- 36 • Ms. Martinez suggested renaming the certification to "Construction Administration  
37 Proficiency" to be more inclusive and asked if there would be a fee for the written  
38 exam. Mr. Graves confirmed there would be no fee for the current exam cycle.

1 Ms. Colosi added that the exams would not be open book, and they valued the  
2 suggestion to rename the certification.

- 3 • Mr. Mackey asked a follow up question about the administration method for the  
4 exam, specifically if it would be conducted online. Ms. Colosi clarified that the  
5 exam would be administered in-person at their offices in Sacramento and Los  
6 Angeles, following a process similar to the IOR certification, with no use of  
7 computers.

## 9 **10. Securing American Institute of Architects (AIA) continuing education unit** 10 **(CEU) credits**

11 **Facilitator:** Scott Mackey

12 Mr. Mackey discussed the process for securing continuing education unit (CEU) credits  
13 for webinars and seminars, emphasizing the need to develop content thoroughly and  
14 submit it in advance for approval by organizations like AIA and DBIA to ensure  
15 attendees can easily earn CEUs.

### 16 **Committee Comments**

- 17 • Mr. Tannahill commented that previous efforts to secure AIA credits were time-  
18 intensive, requiring a full-time person, which led to a shift to self-reporting. He  
19 noted that they preregister with the AIA and provide attendee information ahead of  
20 time, but individual attendees must self-report if they share a login.
- 21 • Mr. Mackey inquired about the necessity of a full-time person during the initial  
22 process. Mr. Tannahill clarified that the initial process was cumbersome and  
23 required extensive follow-up, prompting the shift to self-reporting, which has  
24 eased the burden.
- 25 • Mr. Zellmer asked whether the self-reporting process includes a certificate for  
26 attendees and if it has been pre-vetted and approved by the AIA. Mr. Tannahill  
27 confirmed that attendees who register individually receive a certificate, though  
28 only one certificate per login is issued, and it was pre-vetted and approved by the  
29 AIA.
- 30 • Ms. Marvelli highlighted the challenges of becoming a certified trainer with the AIA  
31 and explained the practice of notifying AIA about webinars, providing criteria, and  
32 attendee lists for approval.
- 33 • Mr. Zellmer acknowledged that the process is already in place and questioned  
34 why HCAI is not a certified training provider for all organizations. Ms. Marvelli  
35 explained that bandwidth constraints prevent them from becoming certified  
36 trainers for all organizations and noted that some organizations charge for CEUs,  
37 which HCAI does not do.

- 1 • Mr. Mackey appreciated the information and stated that self-reporting is still  
2 appropriate. He suggested informing organizations about events to streamline the  
3 process and offered to explore the possibility of HCAI becoming a certified trainer  
4 with the AIA if it does not burden the staff.

## 6 **11. Prioritize development of future educational programs:**

7 **Facilitator:** Scott Mackey

- 8 • **Classification of Imaging Procedures into Class 1, 2, and 3**

- 9 ○ Mr. Mackey asked who would be assigned the responsibility of classifying  
10 imaging procedures and how the coordination should be managed,  
11 suggesting either a subcommittee or staff coordination. Mr. Tannahill  
12 responded that it was premature to pursue this task as they were still working  
13 with the CDPH and national bodies to solidify classifications. He  
14 acknowledged that progress was being made but did not provide a specific  
15 timeline. Ms. Endres asked if there was an estimated duration for this  
16 process, to which Mr. Tannahill replied that they were aiming to expedite it,  
17 hoping for progress in months rather than years.

- 18 • **Revisiting "Inspect-to-Pass" Approach to Field Inspections**

- 19 ○ Mr. Mackey asked if there was interest or focus on developing the "Inspect-to-  
20 Pass" concept through staff efforts. Michael Davis mentioned that he had  
21 gathered substantial information on this topic and needed to determine the  
22 best format for presenting it. He volunteered to present and expressed a  
23 desire for Joe LaBrie to co-present to lend authority to the presentation.  
24 Mr. Tokas emphasized the importance of this topic for dispelling  
25 misconceptions and suggested starting with webinars, followed by in-person  
26 meetings to proactively address construction issues. Bert Hurlbut added that  
27 the presentation should target owners more than inspectors to garner support  
28 for quality improvements. Mr. Mackey sought consensus on Mr. Davis  
29 coordinating with Mr. LaBrie. Mr. Tokas agreed, noting that both perspectives  
30 were essential.

- 31 • **OSHPD 6 Rollout**

- 32 ○ Mr. Mackey requested an update on the rollout plan for OSHPD 6.  
33 Mr. Tannahill stated that a webinar would be developed with the help of  
34 Ms. Marvelli, acknowledging the need for clarification. Ms. Marvelli mentioned  
35 that a webinar was scheduled for June 26<sup>th</sup> to cover code updates, including  
36 OSHPD 6, and they planned to address questions and provide further  
37 clarifications in a fall webinar. Mr. Tokas added that the June seminar would  
38 focus on the environment, with design specifics to be covered later in the  
39 year.

1 • **Tips on How to Work with HCAI in the Field**

- 2 ○ Mr. Mackey asked about the next steps for moving forward with providing tips  
3 on working with HCAI in the field. Mr. Tokas indicated that field operations  
4 were under ISU and that Mr. LaBrie would coordinate this effort. He  
5 suggested using a webinar format to reach a wider audience and reinforce  
6 the information provided in past seminars.
- 7 ○ Ms. Endres inquired about the possibility of a fall seminar. Mr. Tokas  
8 mentioned that the schedule was full, so it was undecided, but possibly next  
9 year. Mr. Mackey confirmed they would coordinate with Mr. LaBrie and  
10 recognized the importance of this information for the public.

11 • **Working with Photovoltaics, Microgrids, and Battery Systems**

- 12 ○ Mr. Mackey asked if working with photovoltaics, microgrids, and battery  
13 systems was an additional topic or if it was already covered. Mr. Tokas  
14 responded that this topic was already being addressed through the fully  
15 electrified hospital initiative and ongoing educational efforts, and no separate  
16 topic was needed until the white paper on the island hospital was completed.

17 • **How to Write a Functional Program and Operational Program**

- 18 ○ Mr. Mackey inquired about simplifying the process of writing a functional and  
19 operational program for approval by the California Department of Public  
20 Health (CDPH). Mr. Tokas emphasized the importance of this topic and asked  
21 Mr. Tannahill to discuss their vision.
- 22 ○ Mr. Tannahill explained that they were rewriting the requirements to simplify  
23 them, aiming to avoid overly detailed or minimal functional programs.  
24 Ms. Marvelli added that they were revising regulations and proposed forming  
25 a working group that would include a CDPH contact and suggested involving  
26 their compliance officer.
- 27 ○ Ms. Endres volunteered for the working group and recommended including  
28 Ms. Martinez for her expertise.

29 • **Develop a Formal Design-Professional Mentorship Program with HCAI**

- 30 ○ Mr. Mackey asked about the vision for a formal design-professional  
31 mentorship program with HCAI. Mr. Tokas acknowledged the importance of  
32 the mentorship program and noted that it required thorough discussion,  
33 indicating that this topic would be addressed later.

34 **12. Comments from the Public/Committee Members on Issues not on this Agenda**

35 **Facilitator:** Scott Mackey

36 **Committee Comments**

- 37 • Ms. Endres commented on how to amplify the message of educational opportunities  
38 within their networks and inquired about the next steps for creating a standard. Mr.  
39 Tokas responded that a permanent contact person from each organization was  
40 needed for effective communication.

- 1 • Mr. Zellmer suggested the possibility of a bulletin board for upcoming seminars on  
2 OSHPD's website. Mr. Tokas cautioned against endorsing external seminars and  
3 noted the importance of careful consideration.
- 4 • Mr. Mackey concluded that they should identify key individuals in various  
5 organizations to promote events, acknowledging the potential for redundant emails  
6 but emphasizing better dissemination of critical information.

7 **13. Adjournment**

8 Mr. Mackey adjourned the meeting at 12:50 p.m., thanking everyone for their  
9 participation and noting the value of the information shared.


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# Technology and Research Committee

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Draft Meeting Report/Minutes

June 20, 2024



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2020 West El Camino Avenue, Suite 800  
Sacramento, CA 95833  
hcai.ca.gov



**Hospital Building Safety Board  
Technology and Research Committee**

**Thursday June 20, 2024  
10:00 a.m. – 4:00 p.m.**

Locations: 2020 West El Camino Ave, Conference Room 930, Sacramento, CA 95833  
355 South Grand Avenue, Conference Room 2000, Los Angeles, CA 90071

**Committee Members Present**

Gary Dunger, Chair  
Cody Bartley, Vice Chair  
Jennifer Cox  
Teresa Endres  
Michael Foulkes  
Bert Hurlbut  
Scott Mackey  
Michael O'Connor

**HCAI Staff Present**

Chris Tokas  
Arash Altoontash  
Larry Enright  
Andia Farzaneh  
Joe LaBrie  
Carl Scheuerman  
Nanci Timmins  
Larry Enright

**HBSB Staff Present**

Veronica Yuke, Acting Executive Director  
Marcus Palmer

- 1 **1. Call to Order and Welcome**
- 2 **Facilitator:** Gary Dunger, Executive Director, Design and Construction, Cedars-Sinai
- 3 Health System; Committee Chair
- 4 Gary Dunger called the meeting to order and welcomed attendees to the Hospital
- 5 Building Safety Board Technology and Research Committee session.

1 **2. Roll Call and Meeting Advisories/Expectations**

2 **Facilitator:** Veronica Yuke, Supervisor, HCAI; Acting Executive Director

3 Veronica Yuke conducted the roll call, confirmed a quorum, and outlined meeting  
4 expectations.

5 Gary Dunger announced that agenda item 4, Presentation: Healthcare Microgrids,  
6 would not be discussed during the meeting due to Jamie Schnick’s absence.

7

8 **3. Presentation: Cedars-Sinai Marina Del Rey Replacement Hospital Technology**  
9 **Program**

10 **Facilitators:** Alicia Wachtell, Executive Director, and Rudy Perez, Executive Director,  
11 Cedars-Sinai Facilities Planning, Design and Construction

12

13 The presentation reviewed the development process for the technology program at the  
14 Marina Del Rey Replacement Hospital, highlighting the integrated structure of  
15 workgroups involving enterprise leadership and subject matter experts. Key themes  
16 included the importance of guiding principles, research on emerging technologies, and  
17 the phased approach to implementing new systems. Rudy Perez emphasized the  
18 commitment to leveraging existing systems and ensuring consistent experiences across  
19 the health system.

20

21 **Key Points of the Presentation:**

- 22 • Technology guiding principles set the context for decision-making, focusing on  
23 digital-first patient experiences, enhanced care journeys, and operational  
24 efficiencies.
- 25 • Research included consultations with peers and vendor partners, emphasizing the  
26 need for futureproofing the hospital's technology.
- 27 • The technology program is structured in phases:
  - 28 ○ Phase one prioritizes technologies with significant infrastructure impacts.
  - 29 ○ Phase two focuses on defining workflows and clinical pathways with fewer  
30 infrastructure requirements.
- 31 • Implementation involves a multi-tier process of identifying, prioritizing, and gaining  
32 feedback on new technologies.
- 33 • Example technologies being implemented include virtual nursing, centralized patient  
34 flow command centers, and smart beds.
- 35 • Emphasis on developing the plan early and defining key decision-makers to ensure  
36 efficient and practical use of technology.
- 37 • The presentation underscored the importance of balancing technology robustness  
38 with operational efficiency to avoid overcomplication.

## 1 **Committee Comments**

- 2 • **Gary Dunger** inquired about the room identifiers, discussing the considerations  
3 regarding their compliance with HIPAA and accessibility requirements. Rudy Perez  
4 explained that the main challenge is finding the correct height for monitors. Lower  
5 placement impacts visibility, and while these monitors can be touchscreen and  
6 lockable, the issue has not been resolved yet as they are still working to meet all  
7 code and regulations. Gary Dunger also expressed appreciation for Rudy's  
8 informative presentation.
- 9 • **Teresa Endres** asked whether the Real-Time Locating System (RTLS) is used for  
10 data analytics beyond asset tracking and staff alarms, including hand hygiene  
11 compliance and operational efficiencies. She also inquired about HIPAA privacy  
12 concerns related to nurse documentation, ambulance listening, and voice  
13 recognition in patient rooms. Rudy Perez confirmed that they purchased the hand  
14 hygiene functionality and need to check with the nurse call group for additional  
15 analytics. Regarding HIPAA privacy, he assured that the system is turned off until  
16 activated by a smartphone app, with a light indicating when the speaker is on.  
17 Teresa Endres also requested a follow-up on the specific uses of robotics at Cedars-  
18 Sinai Marina Del Rey. Rudy Perez agreed to update Gary on the uses of robotics for  
19 tasks like delivering supplies or handling soiled materials.
- 20 • **Jennifer Cox** followed up on Teresa's question about the hand hygiene tracking  
21 system, asking for the product used and any challenges faced with staff compliance.  
22 She also questioned the size of the door display monitors, their visibility for staff, and  
23 the compatibility of devices with disinfectants. Rudy Perez identified the hand  
24 hygiene system as Hillrom integrated with Sonotron RTLS, noting it is not yet  
25 operational for staff compliance feedback. He mentioned testing an 11x8 inch  
26 monitor, which should be sufficient, and confirmed ongoing analysis for compatibility  
27 with current and additional disinfectants.
- 28 • **Carl Scheuerman** asked if the system coordinates care delivery to avoid wasted  
29 provider time when patients are not in their rooms. He also inquired about  
30 discussions with the California Department of Public Health (CDPH) regarding the  
31 view of virtual nursing as a supplement to physical nursing. Rudy Perez stated they  
32 are working to ensure care is provided where the patient is, enhancing RTLS to  
33 eliminate wasted time. He needed to follow up with the technology team to confirm  
34 discussions held with CDPH about virtual nursing.
- 35 • **Michael O'Connor** asked whether future robotics were considered in the technology  
36 evaluation. Rudy Perez mentioned that robotics is being discussed but not yet  
37 implemented, as the technology group is still evaluating potential impacts.
- 38 • **Nanci Timmins** asked about encountering advanced fire alarm technology during  
39 their research and the backup systems in place to handle technology failures like  
40 cyber-attacks. Rudy Perez mentioned not encountering advanced fire alarm  
41 technology but acknowledged its importance. He confirmed robust backup systems

1 with three data centers and cloud-based solutions, reverting to paper charting and  
2 manual processes in case of failure.

3

#### 4 **4. Technology and Research Committee Goals for 2024**

5 **Facilitator:** Gary Dunger

#### 6 **Previous Goals (2021):**

- 7 • Explore subjects of telemedicine and robotics
- 8 • Discuss the effect of technologies on healthcare equity
- 9 • Monitor CDPH electronic health records redundancy issues in the event of power  
10 failure and watch for potential effects to code
- 11 • Emerging tools
  - 12 ○ Technologies that help reduce the carbon footprint for healthcare facilities and  
13 implementation relative to code implementation of emerging tools relative to  
14 the code.

#### 15 **Current Goals:**

- 16 • Explore subjects of telemedicine and robotics
- 17 • Discuss the effect of technologies on healthcare equity
- 18 • Explore emerging technologies that help reduce the carbon footprint for  
19 healthcare facilities and implementation relative to code implementation of  
20 emerging tools relative to the code.
- 21 • Address how to regulate remote services (e.g., medical records, web-based  
22 nurse call, off-site server farms, etc.)
  - 23 ○ Define what is a medical record
  - 24 ○ Monitor CDPH electronic health records redundancy issues in the event of  
25 power failure and watch for potential effects to code
  - 26 ○ Invite industry members to address/inform the committee on the reliability of  
27 cloud-based systems (fire alarm, energy monitoring, etc.)
- 28 • Explore wastewater solutions

#### 29 **Discussion Highlights:**

- 30 • **Telemedicine and Robotics:**
  - 31 ○ **Jennifer Cox:** Asked about operationalizing the goal of exploring  
32 telemedicine and robotics.

- 1 ○ **Gary Dunger:** Explained the construction-specific aspects of telemedicine  
2 and robotics, such as room setup for telemedicine and robotic recharging  
3 stations.
- 4 ○ **Jennifer Cox:** Suggested measuring success through presentations and  
5 documentation.
- 6 ○ **Teresa Endres:** Proposed documenting telemedicine implementations in a  
7 white paper to benchmark and track usage.
- 8 ○ **Michael O'Connor:** Emphasized identifying and removing barriers in building  
9 codes that inhibit the adoption of modern technologies.
- 10 ● **Effect of Technologies on Healthcare Equity:**
- 11 ○ **Scott Mackey:** Questioned the meaning and relevance of this goal to the  
12 committee's work.
- 13 ○ **Teresa Endres:** Explained that telemedicine could help underserved  
14 communities access healthcare and suggested leveraging HCAI's data  
15 collection to measure gaps in access.
- 16 ○ **Jennifer Cox:** Agreed and highlighted the importance of considering social  
17 determinants of health.
- 18 ○ **Belinda Young:** Confirmed that the intent was to address healthcare access  
19 disparities through technology.
- 20 ○ **Chris Tokas:** Stressed the importance of discussing these issues publicly to  
21 raise awareness and promote best practices.
- 22 ○ **Scott Mackey:** Proposed defining healthcare equity more precisely to guide  
23 the committee's work.
- 24 ● **Emerging Technologies to Reduce Carbon Footprint:**
- 25 ○ **Gary Dunger:** Shared examples like the City of Los Angeles's ordinance  
26 against natural gas in new buildings and Cedars-Sinai's all-electric new  
27 medical center.
- 28 ○ **Nanci Timmins:** Suggested monitoring 3D printing in construction and  
29 participating in relevant committees to stay ahead of industry changes.
- 30 ○ **Chris Tokas:** Highlighted the importance of addressing decarbonization and  
31 sustainability in healthcare construction.
- 32 ○ **Scott Mackey:** Noted the connection between reducing carbon footprints and  
33 addressing healthcare inequities and proposed creating a comprehensive  
34 definition of healthcare equity to guide the committee's efforts.
- 35 ● **Regulating Remote Services (e.g., medical records, web-based nurse call,  
36 off-site server farms):**

- 1 ○ **Gary Dunger:** Emphasized the need to define what constitutes a medical  
2 record and ensure proper storage in compliance with the code. Highlighted  
3 the importance of monitoring CDPH electronic health records redundancy  
4 issues and addressing the reliability of cloud-based systems.
- 5 ○ **Scott Mackey:** Agreed with the need to include cybersecurity, mentioning the  
6 impact of cyber threats and attacks on facilities. He suggested bringing in  
7 cybersecurity experts for recommendations and standards establishment.
- 8 ○ **Teresa Endres:** Inquired about the regulating bodies for web-based services  
9 and the availability of data on facilities affected by cyberattacks.
- 10 ○ **Chris Tokas:** Highlighted the need to define boundaries and redundancies to  
11 handle cyber threats and emphasized the role of CDPH in providing  
12 alternatives to full automation.
- 13 ○ **Michael O'Connor:** Discussed the importance of guidelines for cloud-based  
14 systems and the necessity of internet connection redundancy, especially for  
15 rural facilities. Supported the idea of a white paper to address these issues.
  
- 16 ● **Exploring Wastewater Solutions:**
- 17 ○ **Gary Dunger:** Introduced the topic but did not elaborate.
- 18 ○ **Chris Tokas and Michael O'Connor:** Discussed the utilization of gray water  
19 in healthcare facilities for purposes like irrigation and flushing. Suggested this  
20 be a sub-bullet under environmental goals.

## 21 **Additional Topics:**

- 22 ● **Artificial Intelligence (AI):**
- 23 ○ **Teresa Endres:** Proposed including AI in the committee's focus, mentioning  
24 its impact on healthcare and the importance of data analytics. Volunteered to  
25 present on RTLS.
- 26 ○ **Michael O'Connor:** Acknowledged the significance of AI and suggested it be  
27 a discussion topic.
  
- 28 ● **Cybersecurity Reporting:**
- 29 ○ **Michael O'Connor:** Questioned if facilities are required to report cyberattacks  
30 to regulatory bodies and suggested including this in the white paper for better  
31 understanding and handling of such incidents.
- 32 ○ **Jennifer Cox:** Clarified that facilities must report data breaches, especially  
33 those involving protected health information, to CDPH.

1 **5. Comments from the Public/Committee Members on Issues not on Agenda**

2 **Facilitators:** Gary Dunger

3 No comment.

4

5 **6. Adjournment**

6 **Facilitators:** Gary Dunger

7 Gary Dunger adjourned the meeting, thanking everyone for their participation.

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# Board Rosters

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**August 2024**

COMMITTEE LIST

BOARD MEMBERSHIP

CONSULTING COMMITTEE MEMBERS

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**HOSPITAL BUILDING SAFETY BOARD  
2024 COMMITTEES**

**BOARD PROCEDURES COMMITTEE (AD HOC)**

<p><b><u>Committee Members:</u></b>  Michael Foulkes, Chair  Gary Dunger, Vice-Chair  Louise Belair  Jim Malley</p>	<p><b><u>HCAI Representatives:</u></b>  Joe LaBrie  Carl Scheuerman</p> <p><b><u>Meeting Dates:</u></b></p>
<p><b>Focus/Goals:</b></p> <ul style="list-style-type: none"> <li>• Meet as needed for: <ul style="list-style-type: none"> <li>○ Policies and Procedures updates.</li> <li>○ Nominating committee, training/onboarding members.</li> </ul> </li> </ul>	

**CODES AND PROCESSES COMMITTEE**

<p><b><u>Committee Members:</u></b>  Michael O'Connor, Chair  Teresa Endres, Vice-Chair  Cody Bartley  Louise Belair  Jennifer Cox  Michael Davis  Gary Dunger  John Griffiths  Scott Mackey  Jim Malley  Farzad Naeim</p> <p><b><u>Consulting Members:</u></b>  Mark Hershberg  Kelly Martinez  Belinda Young</p>	<p><b><u>HCAI Representatives:</u></b>  Brett Beekman  Larry Enright  Joe LaBrie  Roy Lobo  Bob Lyons  Mia Marvelli  Diana Navarro  Carl Scheuerman  Jamie Schnick  Nanci Timmins</p> <p><b><u>Meeting Dates:</u></b>  January 10  February 21  May 8 (morning)  September 11</p>
<p><b>Focus/Goals:</b></p> <ul style="list-style-type: none"> <li>• Update CANs and PINs to code (ongoing).</li> <li>• eTIO Program.</li> <li>• Evaluate standard details for SNFs.</li> <li>• Title 24 <ul style="list-style-type: none"> <li>○ Identify code modifications to support implementation of building standards code.</li> </ul> </li> </ul>	

## **EDUCATION AND OUTREACH COMMITTEE**

<b><u>Committee Members:</u></b> Scott Mackey, Chair Cody Bartley, Vice-Chair Louise Belair Janice Cheung Michael Davis Gary Dunger Teresa Endres Bert Hurlbut Courtney Johnson Jim Malley	<b><u>HCAI Representatives:</u></b> Hussain Bhatia Monica Colosi Darren Graves Joe LaBrie Mia Marvelli Jamie Schnick Nanci Timmins
<b><u>Consulting Members:</u></b> Kelly Martinez Bruce Rainey Belinda Young Bill Zellmer	<b><u>Meeting Dates:</u></b> February 8 May 22 August 1 September 26
<b><u>Focus/Goals:</u></b> <ul style="list-style-type: none"><li>• Support the development of webinars.</li><li>• Develop a regular curriculum and predictable calendar for webinars.</li><li>• Revisions to “Guide for Working on OSHPD Projects – Tips from the Experts.”</li><li>• Emergency Design Guide.</li><li>• Webinars for Imaging Classes 1, 2, &amp; 3.</li><li>• Emergency Design Guide (seminar TBD).</li><li>• Tips on how to work with OSHPD in the field (seminar TBD).</li><li>• OSHPD 6 – Chemical Dependency (webinar).</li><li>• Inspect to Pass (webinar).</li><li>• Work with Instrumentation Committee regarding webinar/seminar on instrumentation white paper.</li></ul>	

## **OFFSITE FABRICATION/PREASSEMBLED COMPONENTS WEBINAR DEVELOPMENT SUBCOMMITTEE (OF THE EDUCATION AND OUTREACH COMMITTEE)**

<b><u>Subcommittee Members:</u></b> Cody Bartley, Chair Scott Mackey, Vice Chair Teresa Endres	<b><u>HCAI Representatives:</u></b> Hussain Bhatia Joe LaBrie Mia Marvelli Ali Sumer Nanci Timmins
<b><u>Consulting Members:</u></b> Kelly Martinez	<b><u>Meeting Dates:</u></b> February 28 March 26 <del>April 24</del> RESCHEDULED May 8 (afternoon) June 11
<b><u>Focus/Goals:</u></b> <ul style="list-style-type: none"><li>• Discussion on additional draft content for the Offsite Fabrication/Preassembled Components webinar</li><li>• Discuss next steps to finalize webinar.</li></ul>	

## **ENERGY CONSERVATION AND MANAGEMENT COMMITTEE**

### **Committee Members:**

Cody Bartley, Chair  
John Griffiths, Vice-Chair  
Louise Belair  
David Bliss  
Janice Cheung  
Jennifer Cox  
Gary Dunger  
Michael Foulkes  
Scott Mackey

### **HCAI Representatives:**

Larry Enright  
Mia Marvelli  
Carl Scheuerman  
Jamie Schnick  
Nanci Timmins

### **Meeting Dates:**

April 3 CANCELED  
October 9

### **Consulting Members:**

Eric Johnson  
David Lockhart

### **Focus/Goals:**

- Identify HCAI research projects for energy conservation, reduction of carbon footprint, and cost savings while maintaining health and safety alternate energy sources.
  - Consider systems and monitoring devices for other environmental conditions.
- Pursue indoor air quality at a lesser energy cost for healthcare.
- Optimize water usage in healthcare environments. Efficiency/Sustainability.

## **INSTRUMENTATION COMMITTEE**

### **Committee Members:**

Farzad Naeim, Chair  
Jim Malley, Vice-Chair  
Martin Hudson  
Courtney Johnson  
Jennifer Thornburg

### **HCAI Representatives:**

Hussain Bhatia  
Erol Kalkan  
Roy Lobo  
Ali Sumer

### **Meeting Dates:**

January 25  
October 29

### **Consulting Members:**

Hamid Haddadi  
Moh Huang  
Tony Shakal

### **Focus/Goals:**

- Continue working with HCAI staff on scheduled instrumentation installations.
- Consider other systems and monitoring devices.
- Collaborate with CGS on prioritizing upgrades to existing instrumentation.
- Work with EO Committee regarding webinar/seminar on instrumentation white paper.

## **STRUCTURAL AND NON-STRUCTURAL REGULATIONS COMMITTEE**

### **Committee Members:**

Jim Malley, Chair  
Farzad Naeim, Vice-Chair  
Cody Bartley  
Louise Belair  
Michael Davis  
Teresa Endres  
Martin Hudson  
Courtney Johnson  
Jennifer Thornburg

### **Consulting Member**

Mark Hershberg

### **HCAI Representatives:**

Joe LaBrie  
Roy Lobo  
Mia Marvelli  
David Neou  
Carl Scheuerman  
Jamie Schnick  
Ali Sumer

### **Meeting Dates:**

March 6  
~~July 24 CANCELED~~  
October 23

### **Focus/Goals:**

- Support HCAI with review of code changes (ongoing).
- Support HCAI with review of new/revised PINs, CANs, and OPDs (ongoing).
- Implementation of SPC-4D and NPC-4D.
- Develop pre-approved details.
- Seismic compliance issues related to NPC-3, NPC-4D, and NPC-5. Streamlining the process for compliance to meet the statutory and regulatory deadline.
- Review of Code amendments that are now obsolete as those issues have been addressed in model code.
- Develop and implement procedures and enforceable building standards to ensure safe and sustainable healthcare facilities.
- Consider new products, materials and methods that would benefit the public by early adoption rather than waiting for their incorporation in the building code.

## **TECHNOLOGY AND RESEARCH COMMITTEE**

### **Committee Members:**

Gary Dunger, Chair  
Cody Bartley, Vice-Chair  
David Bliss  
Janice Cheung  
Jennifer Cox  
Teresa Endres  
Michael Foulkes  
John Griffiths  
Bert Hurlbut  
Scott Mackey  
Michael O'Connor

### **HCAI Representatives:**

Hussain Bhatia  
Larry Enright  
Joe LaBrie  
Carl Scheuerman  
Jamie Schnick  
Nanci Timmins

### **Meeting Dates:**

~~June 4~~ RESCHEDULED  
June 20  
November 12

### **Consulting Members:**

Benjamin Broder  
Eric Johnson  
Belinda Young

### **Focus/Goals:**

- Explore subjects of telemedicine and robotics
- Discuss the effect of technologies on healthcare equity
- Explore emerging technologies that help reduce the carbon footprint for healthcare facilities and implementation relative to code implementation of emerging tools relative to the code.
- Address how to regulate remote services (e.g., medical records, web-based nurse call, off-site server farms, etc.)
  - Define what is a medical record
  - Monitor CDPH electronic health records redundancy issues in the event of power failure and watch for potential effects to code
  - Invite industry members to address/inform the committee on the reliability of cloud-based systems (fire alarm, energy monitoring, etc.)
- Explore wastewater solutions

## **FULL BOARD MEETING DATES**

April 18 – Sacramento  
August 15 – Los Angeles  
December 11 and 12 – Sacramento

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## HOSPITAL BUILDING SAFETY BOARD MEMBERSHIP

### Appointed Members (Appointed by HCAI Director)

MEMBERSHIP CATEGORIES	NAMES	APPNTMNT DATE	TERM EXP DATE	TERM OF SERVICE
2 structural engineers	James O. Malley**	8/2020	8/2024	1 <sup>st</sup> term
	Farzad Naeim	8/2021	8/2025	1 <sup>st</sup> term
2 architects	Teresa Endres	8/2023	8/2027	1 <sup>st</sup> term
	Scott Mackey	8/2021	8/2025	1 <sup>st</sup> term
1 engineering geologist	Courtney Johnson	4/2024	4/2028	1 <sup>st</sup> term
1 geotechnical engineer	Martin B. Hudson	12/2023	12/2027	1 <sup>st</sup> term
1 mechanical engineer	Louise Belair*	6/2017	6/2025	2 <sup>nd</sup> term
1 electrical engineer	John Griffiths	8/2022	8/2026	1 <sup>st</sup> term
1 hospital facilities manager	Gary Dunger	12/2022	12/2026	1st term
1 local building official	VACANT	--	--	--
1 general contractor	Cody Bartley	8/2022	8/2026	1 <sup>st</sup> term
1 fire/life safety representative	Janice Cheung	12/2023	12/2027	1 <sup>st</sup> term
1 hospital inspector of record	Michael L. Davis	8/2023	8/2027	1 <sup>st</sup> term
3 public members	Jennifer Cox	4/2024	4/2028	1 <sup>st</sup> term
	David Bliss	5/2016	5/2024	2 <sup>nd</sup> term
	D. Michael Foulkes	6/2017	6/2025	2 <sup>nd</sup> term
<b>TOTAL</b>	<b>16</b>			

### Ex-Officio Members

HCAI, Director	Elizabeth Landsberg	No Term of Office Stipulated
State Fire Marshal	Daniel Berlant Wendy Collins (Delegate)	
State Geologist	Jeremy Lancaster Jennifer Thornburg (Delegate)	
Building Standards Commission, Executive Director	Stoyan Bumbalov Irina Brauzman (Delegate) Kevin Day (Delegate)	
Department of Public Health, Director	Tomás J. Aragón, M.D., Dr. P.H. Nathaniel Gilmore (Delegate)	
OSHPD, Deputy Director	Chris Tokas	
<b>TOTAL</b>	<b>6</b>	

### Director Appointed Ex-Officio Members (Serve at pleasure of Director)

2 members	Bert Hurlbut Michael O'Connor	No Term of Office Stipulated
<b>TOTAL</b>	<b>2</b>	
<b>TOTAL HBSB Members</b>	<b>24</b>	

\*Louise Belair: Chair 2021-2024 (2<sup>nd</sup> term)

\*\*Jim Malley: Interim Vice-Chair 2024 (elected Dec. 2023)

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## 2024 CONSULTING COMMITTEE MEMBERS

<p><b>Benjamin Broder, MD, PhD, CPPS</b>          Kaiser Permanente/So. California          393 E. Walnut St. 3<sup>rd</sup> Floor NW          Pasadena, CA 91188-8034  <b>(626) 405-2501</b>  <a href="mailto:Benjamin.I.Broder@kp.org">Benjamin.I.Broder@kp.org</a></p> <ul style="list-style-type: none"> <li>• Technology and Research Committee</li> </ul>	<p><b>Hamid Haddadi</b>          California Geological Survey          801 K Street, MS 13-35          Sacramento, CA 95814  <b>(916) 322-9304</b> FAX: (916) 323-7778  <a href="mailto:Hamid.Haddadi@consrvation.ca.gov">Hamid.Haddadi@consrvation.ca.gov</a></p> <ul style="list-style-type: none"> <li>• Instrumentation Committee</li> </ul>
<p><b>Mark Hershberg, SE</b>          KPFF Consulting Engineers          6080 Center Drive, Suite 300          Los Angeles, California 90045  <b>(310) 665-1536</b>  <a href="mailto:MHershberg@kpf-la.com">MHershberg@kpf-la.com</a></p> <ul style="list-style-type: none"> <li>• Codes and Processes Committee</li> <li>• Structural and Nonstructural Regulations Committee</li> </ul>	<p><b>Moh Huang</b>          California Geological Survey  <a href="mailto:Moh.Huang@gmail.com">Moh.Huang@gmail.com</a></p> <ul style="list-style-type: none"> <li>• Instrumentation Committee</li> </ul>
<p><b>Eric C. Johnson, PE</b>          President          ECOM Engineering, Inc.          1796 Tribute Road, Suite 100          Sacramento, CA 95815  <b>(916) 641-5600</b>  <a href="mailto:ECJ@ecomeng.com">ECJ@ecomeng.com</a></p> <ul style="list-style-type: none"> <li>• Energy Conservation and Management Committee</li> <li>• Technology and Research Committee</li> </ul>	<p><b>David Lockhart CHFM, CEM</b>          National Facilities Services          Kaiser Permanente          1600 Eureka Road          Roseville, CA 95661  <b>(916) 784-5280; tie-line (8-514)</b>  <a href="mailto:Dave.Lockhart@kp.org">Dave.Lockhart@kp.org</a></p> <ul style="list-style-type: none"> <li>• Energy Conservation and Management Committee</li> </ul>
<p><b>Kelly Martinez</b>          Co-founder          Hallsta, Inc.          PO Box 801238          Santa Clarita, CA 91381  <b>(818) 400-0954</b>  <a href="mailto:kelly@hallstainc.com">kelly@hallstainc.com</a></p> <ul style="list-style-type: none"> <li>• Codes and Processes Committee</li> <li>• Education and Outreach Committee</li> <li>• Offsite Fabrication/Preassembled Components Webinar Subcommittee</li> </ul>	<p><b>Bruce A. Rainey, MHA</b>          Vice President, Healthcare          Global Solutions Director, Health Advisory          Jacobs  <b>(760) 212-2438 (cell)</b></p> <ul style="list-style-type: none"> <li>• Education and Outreach Committee</li> </ul>

## 2024 CONSULTING COMMITTEE MEMBERS

<p><b>Tony Shakal</b>          California Geological Survey  <a href="mailto:Tshakal@pacbell.net">Tshakal@pacbell.net</a>  <ul style="list-style-type: none"> <li>• Instrumentation Committee</li> </ul> </p>	<p><b>Belinda Young</b>          Principal          Hellmuth, Obata &amp; Kassabaum, Inc.          1 Bush Street, Ste 200          San Francisco CA 94104  <b>(415) 356-8741</b>  <a href="mailto:belinda.young@hok.com">belinda.young@hok.com</a>  <ul style="list-style-type: none"> <li>• Codes and Processes Committee</li> <li>• Education and Outreach Committee</li> <li>• Technology and Research Committee</li> </ul> </p>
<p><b>Bill Zellmer, AIA, CASp</b>          Program Manager—Physical Access          Compliance and Regulatory Affairs          Sutter Health          2200 River Plaza          Sacramento, CA 95833  <b>(916) 216-3491 (cell)</b>  <a href="mailto:Zellmeb@sutterhealth.org">Zellmeb@sutterhealth.org</a>  <ul style="list-style-type: none"> <li>• Education and Outreach Committee</li> </ul> </p>	