

# Hospital Building Safety Board

Full Board Meeting and  
Leadership Training for Board Members

April 20, 2023



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

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

**Members of the Board 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)



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

**This meeting will be held in-person at the location noted below, as well as by teleconference. Board members and members of the public may fully participate from their own locations.**

**NOTICE OF PUBLIC MEETING**

**HOSPITAL BUILDING SAFETY BOARD  
 Full Board Meeting and Leadership  
 Training for Board Members**

Appointed Members

Louise Belair, Chair  
 Scott Jackson, Vice Chair  
 Cody Bartley  
 David Bliss  
 Bruce Clark  
 Deepak Dandekar  
 Gary Dunger  
 Michael Foulkes  
 John Griffiths  
 Scott L. Jackson  
 David Khorram  
 Michele Lampshire  
 Marshall Lew  
 Scott Mackey  
 Jim O. Malley  
 Farzad Naeim

Director-Appointed

Ex-Officio Members

Bert Hurlbut  
 Michael O'Connor

**Date:**

Thursday, April 20, 2023  
 10:00 a.m. – 4:00 p.m.

**Location:**

Department of Health Care Access  
 and Information  
[2020 West El Camino Avenue, Suite 900](#)  
[Sacramento, CA 95833](#)

Department of Health Care Access  
 and Information

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

**Teleconference Meeting Access:**  
[HBSB Teams Full Board Meeting](#)

Ex-Officio Members

Elizabeth Landsberg  
 HCAI Director

Daniel Berlant (Acting)  
 State Fire Marshal

**VACANT**

State Geologist  
 Jennifer Thornburg (Delegate)

**Mia Marvelli**

Building Standards Commission  
 Executive Director

**Tomás J. Aragón, M.D., Dr. P.H.**

Dept. of Public Health Director  
 Nathaniel Gilmore (Delegate)

**Chris Tokas**

Office of Statewide Hospital  
 Planning and Development  
 (OSHDP),  
 HCAI

Deputy Director

Executive Director

Ken Yu

For more detailed instructions on joining or attending the meeting, see pages 4 – 5.

**AGENDA**

Item	Subject	Facilitator
1	Call to Order and Welcome	Louise Belair, Board Chair (or designee)

Item	Subject	Facilitator	Pg
2	<b>Roll Call and Meeting Advisories/Expectations</b> <ul style="list-style-type: none"> <li>• Suspension of Bagley-Keene Open Meeting Act requirements per Government Code Section 11133</li> <li>• Determination of Quorum</li> <li>• Conduct of Meeting</li> </ul>	Ken Yu, HBSB Executive Director (or designee)	
3	<b>Department of Health Care Access and Information (HCAI) Update</b> <ul style="list-style-type: none"> <li>• Recognition of outgoing HBSB member: <ul style="list-style-type: none"> <li>◦ Mike Hooper, Hospital Inspector of Record Representative</li> </ul> </li> <li>• HCAI Update</li> <li>• Discussion and public input</li> </ul>	Elizabeth Landsberg, HCAI Director (or designee)	
4	<b>Bagley-Keene Open Meeting Act Requirements</b> <ul style="list-style-type: none"> <li>• Discussion on meeting requirements beginning July 1, 2023</li> <li>• Discussion and public input</li> </ul>	John Gray, HCAI Attorney (or designee)	
5	<b>Overview and approval of the December 7 – 8, 2022 Full Board draft Meeting Report/Minutes</b> <ul style="list-style-type: none"> <li>• Discussion and public input</li> </ul>	Louise Belair, Board Chair (or designee)	7
6	<b>Codes and Processes Committee</b> <ul style="list-style-type: none"> <li>• Overview and approval of the October 13, 2022 draft Meeting Report/Minutes</li> <li>• Discussion and public input</li> </ul>	Michael O'Connor, Committee Chair (or designee)	35
7	<b>Instrumentation Committee</b> <ul style="list-style-type: none"> <li>• Overview and approval of the October 27, 2022 draft Meeting Report/Minutes</li> <li>• Discussion and public input</li> </ul>	Marshall Lew, Committee Chair (or designee)	41
8	<b>Structural and Nonstructural Regulations Committee</b> <ul style="list-style-type: none"> <li>• Overview and approval of the November 7, 2022 draft Meeting Report/Minutes</li> <li>• Discussion and public input</li> </ul>	Jim Malley, Committee Chair (or designee)	49
9	<b>Ad Hoc Board Procedures Committee</b> <ul style="list-style-type: none"> <li>• Overview and approval of the November 18, 2022 draft Meeting Report/Minutes</li> <li>• Discussion and public input</li> </ul>	Michael Foulkes, Committee Chair (or designee)	55

Item	Subject	Facilitator	Pg
10	<p><b>Education and Outreach Committee</b></p> <ul style="list-style-type: none"> <li>• Overview and approval of the following draft Meeting Report/Minutes: <ul style="list-style-type: none"> <li>○ January 18, 2023</li> <li>○ March 8, 2023</li> </ul> </li> <li>• Discussion and public input</li> </ul>	Scott Mackey, Committee Chair (or designee)	59 65
11	<p><b>OSHPD Update</b></p> <ul style="list-style-type: none"> <li>• Findings and lessons learned from the Turkey Earthquake</li> <li>• Discussion and public input</li> </ul>	Chris Tokas, OSHPD Deputy Director, and Ali Sumer, OSHPD Seismic Compliance Unit Supervisor (or designees)	
12	<p><b>Healthcare Microgrids Update</b></p> <ul style="list-style-type: none"> <li>• Healthcare Microgrids <ul style="list-style-type: none"> <li>○ Microgrids as Electrical Power Source (EPS) for hospitals and skilled nursing facilities (SNFs) has been added to 2022 Intervening Code Cycle.</li> <li>○ Centers for Medicare &amp; Medicaid Services Categorical Waiver for healthcare microgrid systems to be used as EPS for hospitals and SNFs.</li> <li>○ Next barriers to realizing healthcare microgrids as EPSs.</li> </ul> </li> <li>• Assembly Bill 2511 Update <ul style="list-style-type: none"> <li>○ Advisory Guide “A6 SNF [OSHPD 2], Alternate Source of Power” has been issued.</li> <li>○ Facility assessment process</li> </ul> </li> <li>• Discussion and public input</li> </ul>	Jamie Schnick, OSHPD Senior Electrical Engineer (or designee)	
13	<p><b>Leadership Training for Board Members</b></p> <p>The training session will include the following topics:</p> <ul style="list-style-type: none"> <li>• HBSB Overview</li> <li>• Roles and Responsibilities</li> <li>• Meeting Protocols</li> <li>• Robert’s Rules – Carl Scheuerman, OSHPD Seismic Compliance Officer</li> <li>• Bagley-Keene Open Meeting Act – John Gray, HCAI Attorney</li> <li>• Conflict of Interest Code and Board Members – John Gray, HCAI Attorney</li> <li>• Discussion and public input</li> </ul>	Louise Belair, Board Chair, and Scott Jackson, Board Vice-Chair (or designees)	

Item	Subject	Facilitator
14	<p><b>Comments from the Public/Board Members on issues not on this agenda</b></p> <p>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.</p>	<p>Louise Belair, Board Chair (or designee)</p>

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. A 30- to 90-minute lunch (if needed) may be taken some time during the day.

For further information about this meeting, please contact Evett Torres at (916) 440-8453, [evett.torres@hcai.ca.gov](mailto:evett.torres@hcai.ca.gov), or sending a letter to 2020 West El Camino Avenue, Suite 800, Sacramento, CA 95833. This agenda and other notices about meetings are posted on the Internet at <https://hcai.ca.gov/construction-finance/hbsb/>.

**Individuals with disabilities may request an accommodation or modification to observe or participate in the meeting by contacting Evett Torres as stated above. Providing your request at least five (5) business days before the meeting will help ensure availability of the requested accommodation.**

Board/committee members and members of the public, including HCAI staff, are encouraged to join the meeting and provide public comment virtually through Microsoft Teams.

**Future Full Board meetings:**

- August 17, 2023 (Sacramento)
- December 6 – 7, 2023 (Los Angeles)

**Microsoft Teams:**

For best results, please use Google Chrome or Microsoft Edge browsers to join meeting.

**You are NOT required to identify yourself 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).**

Join on your computer, mobile app, or room device

- [Click here to join the meeting](#)
- Or copy and paste the following link into your browser:  
[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NDFhZTZmZTEtZDAwOS00Njc4LWFiNzQtNzVkYWZINGRhM2M3%4](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDFhZTZmZTEtZDAwOS00Njc4LWFiNzQtNzVkYWZINGRhM2M3%4)

[0thread.v2/0?context=%7b%22Tid%22%3a%2228891a93-888f-489f-9930-e78b8f733ca6%22%2c%22Oid%22%3a%224afdc7d5-a51c-4637-9e27-755fa3a30732%22%7d](https://0thread.v2/0?context=%7b%22Tid%22%3a%2228891a93-888f-489f-9930-e78b8f733ca6%22%2c%22Oid%22%3a%224afdc7d5-a51c-4637-9e27-755fa3a30732%22%7d)

- Meeting ID: 257 934 993 830
- Passcode: osFNed

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- +1 (916) 535-0978 United States, Sacramento
- Enter Conference ID: 229 968 008#

Or join with a video conferencing device

- [576732194@t.plcm.vc](mailto:576732194@t.plcm.vc)
- Video Conference ID: 111 073 143 2
- [Alternate VTC instructions](#)

### **Sacramento Office:**

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### **Los Angeles Office:**

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- The Red or Purple Lines to Pershing Square
- 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; \$4.40 for each 10 minutes/\$44 for 10 hours
- 465 S. Flower Street - Westin Bonaventure Garage
  - .12 Miles; \$20
- 530 S. Grand Avenue - Pac Mutual Building Garage
  - .15 Miles; \$25
- 601 W. 5th Street - Cal Edison Building
  - .18 Miles; \$18
- 625-631 S. Olive Street - Crown Plaza Garage
  - .23 Miles; \$10
- 523 S. Olive Street - Pac Mutual Building Garage
  - .24 Miles; \$16

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# Full Board

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Draft Meeting Report/Minutes

December 7-8, 2022

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



**HOSPITAL BUILDING SAFETY BOARD  
Full Board Meeting**

**Wednesday, December 7, 2022  
10:00 a.m. – 4:00 p.m.**

**Thursday, December 8, 2022  
9:00 a.m. – 3:00 p.m.**

**Teleconference Meeting Access:**

**Day One:**

[Day 1 HBSB GoToMeeting FB Meeting](#)

Access Code: 251-205-159

**Day Two:**

[Day 2 HBSB GoToMeeting FB Meeting](#)

Access Code: 303-056-593

**Appointed Members Present**

- Louise Belair, Chair
- David Bliss, Vice Chair
- Cody Bartley
- Bruce Clark
- Deepak Dandekar
- Gary Dunger
- Michael Foulkes
- John Griffiths
- Mike Hooper
- Scott Jackson
- David Khorram
- Michele Lampshire
- Marshall Lew
- Scott Mackey
- Jim Malley
- Farzad Naeim
- Bruce Rainey
- Gary Dunger

**HBSB Staff Present**

- Veronica Yuke
- Evelt Torres

**Ex-Officio Members Present**

- Elizabeth Landsberg, HCAI Director
- Chris Tokas, OSHPD Deputy Director
- Jennifer Thornburg, State Geologist
- Mia Mavelli, Building Standards Commission Executive Director

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

- Bert Hurlbut
- Michael O'Connor

**HCAI Staff Present**

- Arash Altoontash
- Richard Tannahill
- Rob Fisher
- Joe LaBrie
- Roy Lobo
- Nanci Timmins
- James Yi

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

2 Louise Belair, Board Chair, called the meeting to order on December 7, 2022, at 9:00  
3 a.m., and HBSB Veronica Yuke, called roll.  
4

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

6 Nine members of the Committee present constitute a quorum. There being seventeen  
7 present at the time of roll, a quorum was established.  
8

9 Ms. Yuke read the public announcement regarding COVID-19, meeting rules and  
10 procedures.  
11

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

13 **Presenter:** Elizabeth Landsberg, HCAI Director  
14

15 Mrs. Landsberg swore in new HBSB member Gary Dunger as hospital facilities  
16 manager representative. She also recognized outgoing HBSB member Bruce Rainey  
17 and thanked him for his decent work.  
18

19 Ms. Landsberg reported that HCAI would be overseeing the manufacture of generic  
20 biosimilar insulin products. She added that HCAI would be launching the Office of  
21 Healthcare Affordability.  
22

23 **Discussion and Input**

24 Ms. Yuke congratulated Mr. Dunger on his new appointment and thanked Mr. Rainey for  
25 his excellent work.  
26

27 **Informational and Action item**

- 28 • None  
29

30 **4. Overview and approval of the August 11, 2022, Full Board draft Meeting**  
31 **Report/Minutes**

32 **Presenter:** Louise Belair, Board Chair  
33

34 Ms. Belair gave a review of the August 11, 2022, Full Board meeting. The topics  
35 discussed were:

- 36 • **Topic 1:** Welcome and Introductions  
37 • **Topic 2:** Roll Call and Meeting Advisories/Expectations

- 1 • **Topic 3:** HCAI Update – Ms. Landsberg, swore in new HBSB members: Cody  
2 Bartley and John Griffiths. She also recognized outgoing HBSB members Pete  
3 Kreuser and Roy Lopez. Ms. Landsberg gave an update on bills and budget  
4 proposals, Office of Healthcare Affordability, HCAI overseeing CalRx Biosimilar  
5 Insulin initiative, Health Care Workforce Development and Hospital Equity Reporting  
6 Program.
- 7 • **Topic 4:** Nominations for HBSB Chair and Vice-Chair Kick-Off
- 8 • **Topic 5:** Overview and approval of April 28, 2022, Full Board draft meeting  
9 Report/Minutes
- 10 • **Topic 6:** Instrumentation Committee overview and approval of April 15, 2022, draft  
11 meeting report/minutes.
- 12 • **Topic 7:** Codes and Processes Committee overview and approval of May 12, 2022,  
13 and July 14, 2022, draft Meeting Reports/Minutes.
- 14 • **Topic 8:** Education and Outreach overview and approval of May 25, 2022, of draft  
15 Meeting Report/Minutes.
- 16 • **Topic 9:** Energy Conservation and Management overview and approval of June 14,  
17 2022, draft Meeting Report/Minutes.
- 18 • **Topic 10:** Structural & Non-Structural Regulations Committee overview and  
19 approval of June 22, 2022, draft Meeting Report/Minutes.
- 20 • **Topic 11:** FDD Update. Topic discussed were:
  - 21 ○ FDD’s accomplishments
  - 22 ○ Overview of Advisory Guide on General Acute Psychiatric Facilities.
  - 23 ○ HCAI collaboration with licensing task groups to assist with licensing.
  - 24 ○ Explanation of the requirements for HCAI/CDPH/Board of Pharmacy.
  - 25 ○ Announcement of the Small and Rural Hospital Relief Program project timeline.
  - 26 ○ Presentation from Joe Stasney on Kaiser San Marcos Hospital project.
  - 27
- 28 • **Topic 12:** Inspection Services Unit Update
- 29 • **Topic 13:** Building Standards Unit Update.
  - 30 ○ 2022 Building Code was published in July 2022 and will go into effect January  
31 1st, 2023.
  - 32 ○ Proposed changes for the intervening code cycle were at the initial stage.

- 1 ○ Reviewed current coordination effort with CDPH (California Department of  
2 Public Health), Clinic Advisory Committee (CAC) and California Association of  
3 Health Facilities (CAHF).
- 4 ○ Discussed updates to PIN 72 Emergency Work Authorization, and PIN 73  
5 Treatment and Class 1 Imaging.
- 6 ● **Topic 14: Structural Services Update**
- 7 ○ Structural Services Unit update
- 8 ○ Explanation of SB 395 grant program
- 9 ○ Overview of Structural Services Section responsibilities
- 10 ○ PIN 58 updated to require all applications for HCAI preapproved program to be  
11 done online.
- 12 ● **Topic 15: Fire Prevention Unit Update**
- 13 ○ 2022 code changes have been submitted and are already in print.
- 14 ○ Review of Fire Prevention Unit various training activities participation in the  
15 industry.
- 16 ○ Review upcoming webinars
- 17 ○ Presentation of a list of committees that the unit participates in.
- 18 ● **Topic 16: HBSB Chair and Vice-Chair Elections - Michael Foulkes / Michael  
19 O'Connor – Nominating Committee. There was an appointment of Louise Belair for  
20 chair and Scott Jackson for vice-chair of the HBSB.**
- 21 ● **Topic 17: There were no comments from the public/board members not on the  
22 agenda**
- 23 ● **Topic 18: Louise Belair, Board Chair, adjourned the meeting on August 11, 2022, at  
24 approximately 3:25pm**

25

26 **MOTION: [Belair/ Mackey]**

27 The board unanimously voted to approve the August 11, 2022, Full Board meeting draft  
28 Report/Minutes with corrections.

29

30 **Information and Action item**

- 31 ● None

32

33

1 **5. Instrumentation Committee**

2  
3 **Presenter:** Marshall Lew, Committee Chair

4  
5 Mr. Lew gave an overview (for approval) the July 5, and September 29, 2022, draft  
6 meeting Report//Minutes. He also gave an overview of the October 27, 2022, meeting.

7 Mr. Lew stated that, at the July 5, 2022, meeting, there was a discussion and editing of  
8 the White Paper.

9 Mr. Lew said that at the September 29, 2022, meeting, they gathered comments from  
10 the committee members and public participants on the draft White Paper to produce the  
11 final draft.

12 Mr. Naeim and Mr. Lew worked on the final draft for presentation to the Committee at  
13 the October 27, 2022, committee meeting.

14 Mr. Lew stated that on the October 27, 2022, meeting:

- 15 • There was an annual update to the Committee regarding the California Strong  
16 Motion Instrumentation Program.
- 17 • The committee reviewed the Fiscal Year 2021-22 HCAI/CSMIP Hospital  
18 Instrumentation Annual Report.
- 19 • The final draft of the White Paper was reviewed and edited.

20  
21 **Discussion and Input**

22 Mr. Foulkes and Mr. Malley thanked the committee for their contribution and support in  
23 working on the White Paper.

24 Mr. Griffiths asked what was next for the White Paper. Mr. Lew answered that the  
25 committee would collaborate with the Education Outreach Committee to give  
26 presentations for the White Paper target audience.

27  
28 **Information and Action item**

- 29 • None.

30  
31 **MOTION: [Lew/Foulkes]**

32 The board unanimously voted to approve the July 5<sup>th</sup> and September 29<sup>th</sup>, 2022,  
33 Instrumentation Committee draft Meeting Report/Minutes.

34  
35 **MOTION: [Lew/Khorram]**

1 The Board unanimously voted to accept the final White Paper on the Benefits of Strong  
2 Motion Instrumentation.

3

## 4 **6. Technology and Research Committee**

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

6

7 Mr. Foulkes gave an overview of the July 27, and November 1, 2022, meeting  
8 Report/Minutes. The topic discussed at the July 27, 2022; meeting were:

- 9 • Cyber security protection – CONCEAL
- 10 • RIB iTwo 4.2 software
- 11 • NPC-5 water and sewage holding tanks
- 12 • Electricity – an all-electric campus case study

13 At the November 1<sup>st</sup>, 2022, meeting, the topics discussed were:

- 14 • Inflation reduction Act
- 15 • Decarbonization of power generation transportation
- 16 • Microsoft HoloLens2
- 17 • Committee goals for 2023

18

## 19 **Discussion and input**

20 Mr. Griffiths asked if the topic of decarbonation would be discussed. Ms. Belair  
21 answered that the topic would be discussed later in the meeting.

22

23 Mr. Hooper asked whether HCAI had proceeded with HoloLens. Mr. Tokas replied that  
24 HCAI was purchasing its first helmet.

25

26 Mr. Griffiths asked if there was an impact of the SB327 bill, and if the bill had been met  
27 or if there were any challenges. Mr. Foulkes stated that the committee has not talked  
28 about the bill but would investigate that.

29

## 30 **Information and Action item**

- 31 • None.

32

33 **MOTION: [Foulkes/Bliss]**



1 The board unanimously voted to approve the July 27 and November 1, 2022,  
2 Technology and Research Committee draft Meeting Reports/Minutes.

3

## 4 **7. Education and Outreach Committee**

5 **Presenter:** Mike Hooper, Committee Chair

6

7 Mr. Hooper reported on the August 17, and October 19, 2022, Education and Outreach  
8 Committee meetings.

9 Mr. Hooper stated that the August 17, 2022, meeting topics discussed were:

- 10 • Webinar topics
- 11 ○ Off-site fabrication/pre-assembled components
  - 12 ○ California Administration Code
  - 13 ○ Policy Intent Notice, PIN 50
  - 14 ○ Emergency Process Design Guide
  - 15 ○ Pre-approval related to Medicine dispensing units
  - 16 ○ OSHPD 3 Clinics
  - 17 ○ Testing, inspection, and observation program
  - 18 ○ PINs and CANs (Fire prevention unit topic)
- 19 • Discussion and planning of the 20223 seminars

20

21 At the October 19, 2022, Mr. Hooper reported that the topics were:

- 22 • Webinar topics
- 23 ○ Off-site fabrication/pre-assembled components
  - 24 ○ California Administration Code
  - 25 ○ Policy Intent Notice, PIN 50
  - 26 ○ Emergency Process Design Guide
  - 27 ○ OSHPD 3 Clinics
  - 28 ○ Testing, Inspection and Observation Program
  - 29 ○ PINs and CANs (CAN 2-508 and PIN 69)
- 30 • Planning and Development for 2023 Seminar:
- 31 • Committee goals for 2023

32

1 **Discussion and input**

- 2 • None.

3

4 **Information and Action item**

- 5 • None.

6

7 **MOTION: [Hooper/Bliss]**

8 The board unanimously voted to approve the August 17, 2022, and October 19, 2022,  
9 Education and Outreach Committee draft meeting Report/Minutes with corrections  
10 noted.

11

12 **8. Energy Conservation and Management Committee**

13 **Presenter:** Scott Jackson, Committee Chair

14

15 Mr. Jackson gave a report on October 4, 2022, Energy Conservation and Management  
16 Committee meeting. The topics discussed were:

- 17 • Code updates for 2023 AB 2511, CEC 210, CEC 517.30 and CEC 517.42
- 18 • Microgrid solutions
- 19 • Opportunities for operational cost saving
- 20 • Introduction to Innovus Power and Microgrid solution
- 21 • Introduction to HOMER Energy
- 22 • The unprecedented heatwave experienced in September 2022 at Kaiser  
23 Permanente
- 24 • Topics for 2023 which were indoor air quality monitoring and Bloom Energy

25

26 **Discussion and input**

27 Dr. Bliss echoed that HOMER Energy was an optimization engine application which  
28 does sensitivity analysis.

29 Mr. Griffiths said that the demand response program required hospitals to run on  
30 emergency generators during power outages. The Energy Conservation and  
31 Management Committee, together with the Technology and Research Committee,  
32 hoped to produce a workshop to get input from stakeholders with interest in the matter.

33 Mr. Jackson suggested Innovus Power be part of the workshop.

1 Dr. Bliss said the parties involved in the workshop could make recommendations on  
2 options available. Mr. Mackey said the Education and Outreach Committee would help  
3 put up the workshop.

4

5 **Information and Action item**

- 6 • None.

7

8 **MOTION: [Jackson/Mackey]**

9 The board unanimously voted to approve the October 4, 2022, Energy Conservation  
10 and Management Committee draft meeting Report/Minutes.

11

12 **9. Joint Meeting of the Codes and Processes Committee, Energy Conservation  
13 and Management Committee, and Technology and Research Committee**

14 **Presenter:** Michael O'Connor, Code and Process Committee Chair

15

16 Mr. O'Connor gave an overview of the November 1, 2022, Joint Committee meeting.  
17 The committees discussed Assembly Bill 2511, which required SNFs (Skilled Nursing  
18 Facilities) to have an alternative source of power located on site to provide for at least  
19 96 hours of alternative power to maintain availability of life-saving equipment and  
20 maintain oxygen-generating devices in the event of a power outage.

21 Mr. O'Connor communicated that the Bill required facilities to comply with the  
22 requirements by Jan 2024.

23

24 **Discussion and input**

25 Dr. Bliss commented that the bill was passed without HCAI consent and urged  
26 members to participate in putting the PIN together.

27 An interested party asked if the language in the legislature that allowed planning around  
28 the hard and fast rule would be in the PIN. Mr. O'Connor said that HCAI was  
29 encouraging participation and input concerning the matter.

30 Dr. Bliss added that HCAI does not mandate how projects are funded or what resources  
31 are brought together.

32

33 **Information and Action item**

- 34 • None.

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**MOTION: [O'Connor/Lew]**

The board unanimously voted to approve the November 1, 2022, Joint Committee meeting draft report/minutes.

**10. Special Presentation: Healthcare Delivery Quadrangle**

**Presenter:** David Bliss, Board Vice Chair

Dr. Bliss explained that the healthcare quadrangle was made up of clinicians, payors, facilitators/systems, and regulation.

Mr. Bliss listed some of the regulators

- HIPAA
- Medical, nursing, and other state boards
- National accrediting bodies (Board Certification)
- DEA -Drug Enforcement Agency)
- NEC (National Electric Code) /NFPA (National Fire Protection Association)
- State agencies
- Emergency Medical Treatment and Labor Act (EMTALA)
- Tort
- Criminal prosecution
- City ordinances
- County regulations:
- Many others, including non-Governmental

Dr. Bliss communicated that without the regulations there would be more preventable errors in hospitals.

Dr. Bliss briefed that payors could use:

- Cash
- Public – Medicare, Medicaid, special programs like CCS (California Children’s Services.)
- HMO (Health Maintenance Organization) / HCO (Health Care Organization)
- Indemnity insurance

1 Dr. Bliss described how to reduce inflated cost of healthcare through payment model  
2 solutions:

- 3 • Single payor
- 4 • Increased Federal and state funding for existing program
- 5 • Create bolt-on categories to insure more people
- 6 • Set stricter payment limitations

7  
8 Dr. Bliss highlighted the upward pressure on cost:

- 9 • Higher activity like aging population, case complexity, and increased length of stay in  
10 hospitals
- 11 • Personnel – nursing shortage, shortage of nursing students
- 12 • Operations
- 13 • Facility upgrade, expansion, and replacement

14 Dr. Bliss stated that more hospitals are predicted to close in the future; money comes  
15 in, but the expenses are also going up.

16 Dr. Bliss noted that healthcare work increasing/mounting pressure because:

- 17 • Training, which takes 4-16 years after high school
- 18 • Self-sacrifice (e.g. healthcare workers dying during COVID)
- 19 • Unprecedented access, unprecedented responsibility
- 20 • Moral injury
- 21 • Variable compensation
- 22 • Defender of patient, but stewards of resources.

23

## 24 **Discussion and input**

25 Mr. Khorram asked if Dr. Bliss had solutions to these problems. Dr. Bliss suggested  
26 adoption of the single payor system to ensure everyone was being taken care of. He  
27 added that the actions to be taken, whether regulatory or quality assurance, should be  
28 data-driven with defined-in-advance outcomes, and corrections if the data does not  
29 reflect that the interventions made a difference.

30

## 31 **Information and Action item**

- 32 • None.

## 11. Bagley-Keene Open Meeting Act and its Requirements for the Board

**Presenter:** James Yi, HCAI Attorney

Mr. Yi explained that the purpose of the Act was to allow members of the public to attend and participate as fully as possible in a state body's decision-making processes.

Mr. Yi explained that the Act applies to state bodies created by statute. He added that the Act applies to any advisory committee HBSB creates if the committee consists of three or more persons.

Mr. Yi described a meeting as a quorum of the Board/committee convening, at the same time and place, to hear, discuss, or deliberate on any item within the subject matter of the Board/committee. He defined a quorum as the minimum number of members who must be present for the Board/Committee to transact business.

Mr. Yi communicated that a physical location was required in the Act but due to COVID-19, the legislature suspended physical presence/location requirement until July 1, 2023.

Mr. Yi highlighted that the Act prohibited serial communication to prevent deliberations/actions/decisions being made in secret without public knowledge or participation.

Mr. Yi mentioned that the Act did not consider the following to be "meetings":

- Public Contacts: a member of the public contacting a quorum of members if members do not solicit such contacts.
- Social Gatherings: a quorum of the members may attend a purely social event if they do not discuss Board issues among themselves.
- Conferences: Conferences are exempt if they are open to the public and involve subject matter of general interest, and a quorum of members do not discuss Board issues among themselves, other than as part of the scheduled program.

Mr. Yi said the Act requires the board to post meeting notices on the internet at least 10 days before a meeting. This rule does not apply to emergency or "special" meetings as defined under statute. The notices must have:

- Time and place(s) of the meeting- for virtual meetings, the notice must have the means by which members of the public may observe the meeting and offer public comment.
- A specific agenda for the meeting that contains a brief description of all items to be discussed/transacted at the meeting.

Mr. Yi pointed out that members of the public are allowed to record and broadcast meetings.

1 Mr. Yi communicated that the Act allows closed sessions, which are parts of meetings  
2 without the public, and allowed only for specific statutorily stated reasons, e.g., to  
3 discuss pending litigation or to discuss employment issues.

4 Mr. Yi said that under the act, voting had to be publicly reported. He added that  
5 members who voluntarily abstained are counted toward a quorum, but decisions would  
6 only require the majority of those members who vote if there was support from a  
7 majority of the quorum.

8 Mr. Yi talked about penalties for non-compliance:

- 9 • Civil- any interested person, the Attorney General, or district attorney could  
10 commence court action to stop or prevent violations of the Act. Any interested  
11 person could also commence court action to declare a Board action taken in  
12 violation of the Act's notice, agenda, and public attendance requirements as "null  
13 and void."
- 14 • Criminal - It is a misdemeanor for any member to attend a meeting in violation of the  
15 act and where the member intended to deprive the public of information to which the  
16 member knows, the public is entitled.

#### 17 **Discussion and input**

18 Mr. Lew asked if Bagley-Keene applied to local bodies. Mr. Yi answered that the Brown  
19 Act applied to local bodies.

20

#### 21 **Information and Action item**

- 22 • None.

23

#### 24 **12. Review and Approve 2023 Committee Assignments, Goals and Meeting** 25 **Calendar**

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

27 Ms. Belair said that the **Board Procedure Committee** goals for 2023 were:

- 28 • To meet for policies and procedure updates
- 29 • Nominate committee, training/onboarding members

30

31 **Code and Process committee** goals for 2023 were:

- 32 • Update CANs and PINs to code
- 33 • eTIO program
- 34 • Evaluate standard details for SNFs

- 1 • Identify code modifications to support part 6 implementation of energy saving  
2 measures.

3 Proposed meeting date for 2023

- 4 • February 7  
5 • May 9  
6 • August 1  
7 • October 17

8

9 **Education and Outreach Committee** goals for 2023:

- 10 • Prepare for 2023 seminar: Tips from the Experts.  
11 • Support the development of webinars  
12 • Develop a regular curriculum and predictable calendars for webinars.

13 Proposed meeting dates for 2023:

- 14 • January 18  
15 • March 8  
16 • May 24  
17 • July 26  
18 • August 23  
19 • September 20  
20 • October 11  
21 • November 1

22

23 **Energy Conservation and Management Committee** goals for 2023:

- 24 • Work with CEC to develop a mutual agreeable standard for hospitals building energy  
25 efficiency in 2025 code cycle.  
26 • Identify HCAI research projects for energy conservation, reduction of carbon  
27 footprint, and cost saving while maintain health and safety.  
28 • Identify how to collaborate with CMS for implementation microgrid demonstration  
29 project.  
30 • Pursue indoor air quality at a lesser energy cost for healthcare.  
31 • Water usage in healthcare environments. Efficiency and sustainability.



1 Proposed meeting dates for 2023

- 2 • March 16
- 3 • June 22
- 4 • October 5

5

6 **Instrumentation Committee 2023 goals:**

- 7 • Continue work with HCAI staff on scheduled instrumentation installations.
- 8 • Consider other systems and monitoring devices.
- 9 • Roll out White Paper and identify areas of implementation.
- 10 • Collaborate with CGS on prioritizing upgrades to existing instrumentation.
- 11 • Work with EO committee regarding webinar/seminar on Instrumentation White Paper

12 Proposed meeting dates for 2023:

- 13 • February 16
- 14 • June 1
- 15 • October 26

16

17 **Structural and Non-structural Regulations Committee goals for 2023**

- 18 • Support HCAI with review of code changes.
- 19 • Support HCAI with review of new PINs, CANs and OPDs.
- 20 • Implementation of SPC-4D and NPC-4D.
- 21 • Develop preapproved details.
- 22 • Seismic compliance issues related to NPC-3, NPC-4, and NPC-5. Streamlining the  
23 process for compliance to meet the statutory and regulatory deadline.
- 24 • Review of obsolete code amendments.
- 25 • Develop and implement procedures and enforceable building standards to ensure  
26 safe and sustainability healthcare facilities.
- 27 • New products, materials and methods that would benefit the public by early adoption  
28 rather than waiting for their incorporation into the building code.
- 29 • Increase IOR competency.
- 30 • Implementation of small and rural hospital relief programs, increase technical  
31 assistance and awareness.

- 1 • Implementation of AB1882 requirements.

2 Proposed meeting dates for 2023:

- 3 • January 24  
4 • April 11  
5 • August 29  
6 • November 7

7

8 **Technology and Research Committee** goals for 2023:

- 9 • Explore subject of telemedicine and robotics.  
10 • Discuss the effect of technology on healthcare equity.  
11 • Explore emerging technologies that help reduce the carbon footprint for healthcare  
12 facilities and implementation relative to code implementation of emergency tools  
13 relative to the code.  
14 • Address how to regulate remote services.  
15 • Explore wastewater solutions.

16 Proposed meeting dates for 2023:

- 17 • April 26  
18 • September 13

19

20 Ms. Belair announced the proposed 2023 Full Board meeting dates:

- 21 • April 20  
22 • August 17  
23 • December 6-7

24

25 **Discussion and input**

26 Mr. Mackey was concerned that the Technology and Research Committee needed  
27 more than two meeting dates. Ms. Belair said that could be done and suggested a  
28 meeting during the July 2023 timeframe.

29 Mr. LaBrie commented that the committee tackle eTIO in 2023. Ms. Belair said that the  
30 goal was already set by the Code and Process Committee.

31

1 **Information and Action item**

- 2 • None.
- 3

4 **MOTION: [Belair/ Malley]**

5 The board unanimously voted to adopt and approve the committee goals, rosters, and  
6 meeting dates for 2023 as discussed.

7

8 **13. OSHPD (formerly the Facilities Development Division) Update**

9 **Presenter:** Chris Tokas, OSHPD Deputy Director

10

11 Mr. Tokas talked about transformation of OSHPD. He said FDD was elevated to an  
12 office with the enactment of the 2021-22 California Budget Act.

13

14 Mr. Tokas cited OSHPD's top three objectives:

- 15 • Successful transition and implementation of Hybrid Workplace
- 16 • Improved the processes and revised the CBC (California Building Code)  
17 requirements to be more aligned with the needs of behavioral health facilities.
- 18 • IT equipment refresh Office/Field

19 Mr. Tokas announced that Roy Lobo was awarded the 2022 Frederick Panhorst Award.

20 Mr. Scheuerman said the Small Rural Hospital Relief program (SRHR) was to enable  
21 grant proposal for review to show that the level of compliance proposed was delivered  
22 cost-effectively.

23 Mr. Tokas highlighted AB2511 HCAI efforts for SNFs to comply successfully:

- 24 • October/November 2022- HCAI Policy Intent Notice (PIN) was ready for Publication
- 25 • December 2022 - HCAI published Policy Intent Notice
- 26 • January 1, 2023 – AB 2511 requirements become enforceable and SNF projects  
27 submitted to HCAI
- 28 • February 2023 – HCAI publishes Advisory Guide
- 29 • January 1, 2024 – Final deadline for SNFs to comply
- 30

31 Mr. Tokas explained that for AB 1882, OSHPD prepared PIN 75, which was presented  
32 to the HBSB Structural and Non-Structural Regulations Committee. The proposed code  
33 change would be included in the intervening code cycle.

1 Mr. Tokas mentioned public notices and annual status update report on seismic  
2 compliance programs:

- 3 • Roll out website to accept applications [target date February 2023]
- 4 • Applications will show services in each GAC building.
- 5 • Final deadline of applications will be Dec 15th, 2023.
- 6 • Reporting period will open Dec 1st-15 every year.

7 Mr. Tokas said that there was an average of 597 building permits issued over a seven-  
8 year period.

9 Mr. Bhatia gave a report on the Electra fire and Washburn incidents. No hospitals were  
10 involved. Mr. Bhatia talked about the heatwave in September 2022, which caused  
11 blackouts. SNFs lost power but no operations were affected.

12 Mr. Bhatia reported that the San Jose earthquake, which occurred on October 25, 2022,  
13 affected one regional hospital where one elevator was inoperable due to seismic switch  
14 activation.

15 Mr. Bhatia said that the Blackberry AtHoc software was activated and used for  
16 communication.

17 Mr. Bhatia listed future enhancements:

- 18 • Refresh all staff emergency supplies (Red Backpacks) - Underway
- 19 • Update EOC Placards (Red, yellow, and green placards) – Already sent to printers.
- 20 • Enhance EOC GIS maps using ARCGIS Online and ARCGIS Pro.
- 21 • Activate additional features in Blackberry AtHoc for use in activating and deploying  
22 selected staff in smaller events.
- 23 • Improve communication between HCAI and CDPH/CHHS via database/GIS links.

24

25 Mr. Tokas highlighted OSHPD's objectives for 2023:

- 26 • Recruitment/Succession Planning – target critical positions
- 27 • Web Page Redesign
- 28 • Develop and integrate eTIO in eSP

29

### 30 **Discussion and input**

31 Mr. Tokas stated that HCAI vision was a healthier California where all received  
32 equitable, affordable, and quality health care.

1 HCAI's mission was to expand equitable access to quality, affordable healthcare for all  
2 Californians through resilient facilities, actionable information, and the health workforce  
3 each community needs.

4 Mr. Mackey asked if it made sense to pull out projects that were collaborative in review.  
5 Mr. Tokas answered that the projects could be split to look under performance from  
6 different angles.

7 Mr. O'Connor asked if the A3 Behavioral Health guide had been released.

8 Mr. Tannahill answered that it was being formatted.

#### 9 **Information and Action item**

- 10 • None.

11

#### 12 **14. Electronic Services Update**

13 **Presenter:** Rob Fisher, OSHPD Compliance Officer

14 Mr. Fisher reported on the eServices accomplishments in 2022.

15 He mentioned that change requests requiring significant efforts were:

- 16 • XBP Enhancements – expedited building permits
- 17 • ePR Enhancements
- 18 • Ad Hoc Tasks
- 19 • Fees
- 20 • Integrated Review
- 21 • Contacts Redesign
- 22 • PPCS
- 23 • SRHRP
- 24 • Emergency Work

25

26 Mr. Fisher said that collaborative software like Teams, GoToMeeting, Zoom, Slack had  
27 enhanced:

- 28 • Staff Training
- 29 • Client Training
- 30 • Helpdesk Effectiveness
- 31 • Information Sharing
- 32 • Meetings

1 Mr. Fisher remarked that reports found on eService were:

- 2 • Report Center Reports
- 3 • Facility Building Projects Report (RACS)
- 4 • Field Operations Reports
- 5 • Plan Review Comments and Responses
- 6 • Plan Review Comments Viewer
- 7 • Sheet Number Matrix Data
- 8 • Incremental Master Comments Reports
- 9 • Workload Reports

10

11 Mr. Fisher adds that eServices had resulted in:

- 12 • Plan Review Staff Effectiveness
- 13 • Field Staff having the information they need
- 14 • Clients and Staff having talented helpdesk

15

## 16 **Discussion and input**

17 Mr. O'Connor appreciated the notifications in the reports.

18

## 19 **Information and Action item**

- 20 • None.

21

## 22 **15. Inspection Services Unit Update**

23 **Presenter:** Joe LaBrie, OSHPD Inspection Services Unit Supervisor

24 Mr. LaBrie mentioned Inspection Service Unit (ISU) activities

- 25 • Temporary Support of Field Compliance Units (South, North, Central, Coastal)
- 26 • SNF Site Assignments for ISU COs for Field Compliance Units North
- 27 • IOR Monitoring and Enhanced Training
- 28 • Webinars
- 29 • Ten Minute Field Brief Advice (FBA10) (Suspended)
- 30 • ISU Field Tip of the Day

- 1 • Field Operations Manual Update
- 2 • TIO & eTIO
- 3 • ISU Preconstruction and Construction Advisory Seminars
- 4 • IOR / CHI Academy (Suspended)
- 5 • Field Staff Onboarding Curriculum
- 6 • Monthly Compliance Officer Training
- 7 • IOR Certification and Recertification

8

9 Mr. LaBrie talked about important improvements needed in 2023:

- 10 • More reasonable IOR workloads
- 11 • Regular IOR Daily Reports that include good construction detail
- 12 • Better maintenance of documents required during construction
- 13 • More thorough project team communication and coordination
- 14 • Use of GC Quality Control Programs during construction
- 15 • Well-planned Quality Assurance Program
- 16 • Mobilization of inactive IORs
- 17 • Owner established culture for project team performance
- 18 • Increased Designer engagement during construction
- 19 • Better TIO Management

20

## 21 **Discussion and input**

22 Mr. Dandekar asked if there were IORs who were not engaged in construction projects.

23 Mr. LaBrie answered that they had not figured out why the IORs were not engaged.

24

25 Ms. Belair commented that field tips for the day were well received.

26

27 Ms. Belair asked if the field operation manual was a document the designer could use to  
28 understand what field operation was. Mr. LaBrie said the document was intended to be  
29 an internal staff document.

30

## 31 **Information and Action item**

- 32 • None.

1 **16. Building Standards Unit Update**

2 **Presenter:** Richard Tannahill, OSHPD Deputy Division Chief

3 Mr. Tannahill said that the California Building and Standard Code was to be enforced on  
4 January 1, 2023.

5

6 Mr. Tannahill talked about the HCAI/CDPH coordination:

7 • Title 22 Rewrite

8 • Water Rationing Plans

9 • Methods of Procedures Guidance

10 • Processes for survey discovery of unauthorized projects

11 • Functional Program Rewrite

12 • Dietary Functional Program/Guide – complete

13 • COVID Reset coordination and other emergency/disaster operations

14 • RSV coordination for Children’s Hospitals

15

16 HCAI/ CAC (Clinic Advisory Committee):

17 • Quarterly Meetings ongoing

18 • Looking at specific concerns of the clinic community

19 • Clinic Plan Review Checklist has been updated

20 • Outpatient Surgery Checklist added

21 • OSHPD 3 Clinic Webinars completed

22 • Clinic standards as compared to outpatient services of a hospital being reviewed

23

24 HCAI/ CAF (California Association of Health Facilities):

25 • Reinitiated quarterly meetings

26 • Worked with HCAI webinars planned

27 • Outreach

28

29 HCAI Share with AIA:

30 • AIA Central Valley Chapter

31 • AIA Pasadena Chapter



- 1 • AIA Orange County Chapter

2

3 Mr. Tannahill mentioned that there had been several webinars in 2022 and gave out a  
4 list of the upcoming webinars in 2023:

- 5 • Working with OSHPD – TBD

- 6 • PIN 72 Emergency Work Authorization – January 5, 2023

- 7 • Integrated Review (PIN 50) – early 2023

- 8 • PIN 74 SNF Alternate Source of Power scheduled for December 2022 and January  
9 2023

- 10 • Emergency Design Guide – TBD

- 11 • Construction Project Responsibilities – TBD

12 Mr. Tannahill disclosed that the PINs that came out in 2022 were: PIN 72 Emergency  
13 Work Authorization, PIN 73 Treatment and Class 1 Imaging Rooms, PIN 74 SNF  
14 Alternate Source of Power, and PIN 75 Water rationing plan.

15 Mr. Tannahill explained that PIN 74 would be posted by the end of the year. He stated  
16 that the purpose of PIN 74 was to provide a policy for the implementation of alternative  
17 sources of power to maintain safe temperatures, maintain availability of life-saving  
18 equipment, and maintain oxygen-generating devices for SNF buildings as mandated by  
19 Assembly Bill 2511.

20 Mr. Tannahill stated that life-saving equipment, where provided, shall have power  
21 provisions for 96 hours from an alternative source of power. Life-saving equipment may  
22 include, but shall not be limited to, ventilators, AEDs, crash carts with defibrillators,  
23 intravenous therapy equipment, feeding pumps, IV pumps, nebulizer machines, suction  
24 equipment, power beds/pressure mattresses, and medication dispensing machines.

25 Mr. Tannahill added that oxygen-generating devices, where provided, may include, but  
26 shall not be limited to, concentrators and positive pressure apparatus as identified in  
27 Title 22, California Code of Regulations.

## 28 **Discussion and input**

29 Mr. Schnick communicated that where generators were used as an alternative source of  
30 power, sufficient fuel onsite shall be maintained to sustain generator operation for no  
31 less than 96 hours or contract arrangements shall be made for fuel delivery for an  
32 emergency event. On-site fuel storage shall not be less than 6 hours capacity in a  
33 minimum of one tank. Mr. Schnick added that in instances where 96 hours of on-site  
34 fuel was not provided, CDPH must approve any alternate arrangements that have been  
35 made for the delivery of fuel to meet the requirement.

1 Mr. Schnick explained that facilities that use batteries or a combination of batteries in  
2 tandem with a renewable electrical generation facility as their alternative source of  
3 power, shall have sufficient storage or generation capacity to maintain operation for no  
4 fewer than 96 hours.

5 Mr. Schnick said that if a generator has existing capacity to accept cooling loads, then  
6 an existing generator could be used to transfer the cooling loads from normal source to  
7 the emergency source.

8 Mr. Schnick stated that a new alternate generator and associated equipment could be  
9 introduced into the system to feed new or additional loads necessary to meet HSC  
10 (Health and Safety Code) 1418.22 requirements.

11 Mr. Schnick added that a new healthcare microgrid could be introduced to the system  
12 with any combination of generator(s), turbine(s), fuel cell(s), photovoltaics, battery  
13 storage system, or other on-site Distributed Energy Resources (DERs) and be  
14 configured to parallel with a normal distribution board at the facility. The approach would  
15 utilize the existing normal distribution system, backed up by the alternate power source  
16 (microgrid), to feed all loads including the cooling equipment, life-saving equipment, and  
17 oxygen-generating devices.

18 Ms. Belair asked how the 96-hour provision was provided. Mr. Schnick answered that  
19 six hours could be gotten by batteries and other sources and then a supplier could  
20 provide a generator and fuel to the site.

21

## 22 **Information and Action item**

- 23 • None.

24

## 25 **17. Structural Services Section Update**

26 **Presenter:** Roy Lobo, OSHPD Principal Structural Engineer

27

### 28 **Discussion and input**

29 Mr. Sumer gave an update on the structural performance categories. He stated that  
30 there were 48 buildings left in SPC-1 and 666 in SPC-2.

31

32 Mr. Sumer reported on AB 2190 facility-specific extension:

- 33 • AB 1527 Seton - Completion by July 1, 2023, SB 564
- 34 • Santa Clara Valley/O'Connor- Completion by July 1, 2023
- 35 • AB 2404 Pacifica -Completion by January 1, 2025

1 Mr. Sumer said that for the 48 SPC-1 buildings, 33 have the AB2190 extension and 15  
2 do not.

3 Mr. Sumer gave an update of the SPC-4D buildings. He said that there were 175  
4 buildings at 73 facilities

- 5 • Eight buildings (7 facilities) have been upgraded to SPC-4D
- 6 • 25 SPC 4D (15 facilities) retrofit reviews are complete and accepted by SCU. These  
7 buildings are getting permits from the region or under retrofit construction.
- 8 • 123 active projects for SPC 4D upgrade (58 facilities)
- 9 • 231 projects for SPC 4D Material Testing Condition Assessment (213 approved – 66  
10 facilities)

11 Mr. Sumer said that the NPC-5 guide has been published on the HCAI website.

12 Mr. Sumer communicated that there were 14 applications received for the Small Rural  
13 Hospital Relief program.

14 Mr. Sumer said that the SP395 language was incorporated into the upcoming  
15 intervening code.

16 Mr. Sumer said that for the prefabricated components and systems, four applications  
17 had been received—two approved, two in review—and 3 more applications were in  
18 discussion.

19 Mr. Lobo gave the Structural Support Unit update, which oversaw:

- 20 • OSHPD preapproved programs
- 21 • Structural/non-structural California amendments
- 22 • Geotechnical reviews
- 23 • Seismic instrumentation
- 24 • Review of alternate methods of compliance
- 25 • Structural training and support to the regions
- 26 • Management of contract out plan reviews

27

28 Mr. Lobo disclosed that PIN 58 had been published on the HCAI website.

29 He stated that the Structural Service Unit was working with vibration isolator  
30 manufacturers on testing criteria to optimize the testing required for seismic rating of  
31 their isolators.

32 Mr. Lobo said that in 2022, 39 Geotech report reviews were received, and 28 of those  
33 were approved.

1 He added that the initial express terms for structural and non-structural amendments to  
2 Title 24, Part 1, Part 2, and Part 10 had been submitted to the Building Standards  
3 Commission.

4 **Information and Action item**

- 5 • None.

6

7 **18. Fire Prevention Unit Update**

8

9 **Presenter:** Nanci Timmins, OSHPD Chief Fire Life Safety Officer

10

11 Ms. Timmins gave the Fire Prevention Unit update and accomplishments. She stated  
12 that FPU code changes had been submitted.

13

14 Ms. Timmins gave a list of webinars and trainings:

- 15 • CBC and CFC 2022 Updates  
16 • Fire Resistance Rated Assemblies Part 1  
17 • Fire Resistance Rated Assemblies Part 2  
18 • Fire Resistance Rated Assemblies Part 3  
19 • Engineering Judgements  
20 • IOR Recertification  
21 • Emergency Responder Radio Coverage  
22 • Field visit reports  
23 • QA/QC  
24 • PIN 67/58

25 Ms. Timmins explained that PIN 67 was for special inspector requirements for fire  
26 resistance penetration and joints.

27 Ms. Timmins mentioned that FPU worked with Certified Unified Program Agency  
28 (CUPA) to implement and enforce six state hazardous waste and hazardous materials  
29 regulatory management programs.

30 She said that the FPU had training with the California Fire Prevention Unit and  
31 discussed clinics and OSHPD 3 code requirement.

32 Ms. Timmins briefed that FPU had worked with:

- 33 • NFPA

- 1 • ICC Healthcare Committee
- 2 • Fire Alarm Advisory Board
- 3 • SFM- Multiple committees

4

5 **Discussion and input**

6 Dr. Bliss asked how fire life safety looks at/lists combustible and non-combustible  
7 materials. Ms. Timmins said CFC had information on hazardous and combustible  
8 materials and requirements.

9

10 **Information and Action item**

- 11 • None.

12

13 **19. Comments from the public/committee members on issues not on this agenda**

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

15

16 **Discussion and input**

- 17 • None.

18

19 **Information and Action item**

- 20 • None.

21

22 **20. Adjournment**

23 Ms. Belair adjourned the meeting on December 8, 2022, at approximately 2:42 p.m.

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# Codes and Processes Committee

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Draft Meeting Report/Minutes

October 13, 2022

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



**HOSPITAL BUILDING SAFETY BOARD  
Codes and Processes Committees**

**Thursday, October 13, 2022  
10:00 a.m. – 4:00 p.m.**

**Teleconference Meeting Access:**

[HBSB Teams CAP Committee](#)

Access Code: 755-694-74

**Committee Members Present**

Michael O’Connor, Committee Chair  
Jim Malley, Vice Chair  
Cody Bartley  
Louise Belair  
Mike Hooper  
Scott Mackey  
Farzad Naeim

**Consulting Members Present**

John Donelan  
Gary Dunger

**HCAI Staff Present**

Arash Altoontash  
Richard Tannahill  
Brett Beekman  
Larry Enright  
Roy Lobo  
Diana Navarro  
Carl Scheuermann  
Jamie Schnick  
Nanci Timmins  
James Yi

**HBSB Staff Present**

Veronica Yuke  
Evet Torres

1 **1. Call to Order and Welcome**

2 Michael O’Connor, Committee Chair, called the meeting to order on October 13, 2022,  
3 at 10:00 a.m., and HBSB, Veronica Yuke called roll.

4

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

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

4  
5 Ms. Yuke read the public announcement regarding COVID-19, meeting rules and  
6 procedures.

7  
8 **3. California Building and Standard code revision cycle for 2022 and intervening**  
9 **code cycle**

10 **Presenter:** Richard Tannahill, HCAI

11  
12 **Part 1 California Administrative code**

- 13  
14 • 7-125 Final review construction documents - final construction documents would  
15 be submitted within 10 days of application.
- 16 • 7-129 Time limitations - additional language to state that procedures leading to  
17 the project closeout shall be carried to conclusion without supervision or  
18 unnecessary delays.
- 19 • 7-131 Incremental design, bidding, and construction – clarification in the second  
20 sentence.
- 21 • 7.144 Inspection - revised language to clarify that the lead IOR must allocate the  
22 majority of their time on project inspection responsibilities that are identified in the  
23 IOR responsibility matrix of the approved TIO (Test Inspection and Organization)  
24 Program

25  
26 **Part 2 California Building Code, Volume 1**

- 27  
28 • Redundant words under the handwashing station definition were removed.
- 29 • Section 202 - additional definition of the treatment room: A treatment room is a  
30 room designated for the performance of patient care activities that may require  
31 high-level disinfected or sterile instruments but do not require the environmental  
32 controls of a procedure room.
- 33 • 1224.14 Nursing Service Space - language change for patient toilet room.
- 34 • Size requirement for pharmacy service space was removed.
- 35 • 1224.33 Emergency Service - addition of behavioral health observation area  
36 under emergency services.

- 1 • 1224.34 Nuclear Medicine - proposal on whether a control room was needed if  
2 no CT was provided.
- 3 • 1225.5.1.2.5 Operation and sills - additional language on operation and sills  
4 under the nursing service space.
- 5 • Addition of section 1229, chemical dependency recovery hospital requirements.  
6 Defined chemical dependency recovery as a health facility that provides 24-hour  
7 inpatient chemical dependency recovery services for persons who have a  
8 dependency on alcohol or other drugs, or both alcohol and other drugs.
- 9 • Chemical dependency recovery residential areas have to comply with sections  
10 1202, 1203,1205,1207,1209, and 1211.

11  
12

### 13 **Part 2 California Building Code, Volume 1**

- 14 • Changed OSHPD 2A and 2B back to just 2
- 15 • Section 1703A – clarification of independence for special inspectors.

16

### 17 **Part 3 California Electrical Code**

18 Mr. Enright discussed:

- 19 • 517.2 – Mr. Schnick explained the term “Health Care Microgrid” was introduced  
20 in the code to mean a group of interconnected loads and distributed energy  
21 resources within clearly defined boundaries that acts as a single controllable  
22 entity with respect to the utility. “Health Care Microgrid Control System” is a  
23 system including health care microgrid controller functions that can manage  
24 itself, operate autonomously, and connect to and disconnect from the utility for  
25 the exchange of power and the supply of ancillary services.
- 26 • 517.30 Sources of power – Mr. Schnick stated that there was additional new  
27 language: (A1) two independent power sources to mean essential electrical  
28 systems (EES) shall have two or more independent sources (or sets of sources).  
29 One on-site source (or set of sources) shall be sized to supply the entire EES.  
30 The other independent source (or sets of sources) shall be sized to supply the  
31 entire EES and shall be permitted to be located on- or off-site.
- 32 • 517.35 clarified language to state that minimal autoclaving equipment to be at  
33 least one per building.
- 34 • 705.20 – added language to address the new distributed energy resources on  
35 site. Mr. Schnick stated that the disconnecting means shall be installed either  
36 inside or outside the building that houses equipment that will have connection(s)  
37 from electric power production equipment. The disconnecting means shall be

1 located as near as practicable to where the conductors enter or leave HCAI  
2 Jurisdiction.

#### 3 4 **Part 4 California Mechanical Code**

- 5
- 6 • Class 1 imaging, class 2 imaging (d), (p), and class 3 imaging (m), (o) were  
7 added into table 4-A.
- 8 • Mr. Enright said that in table 4-B, there was an addition of a column for operating  
9 room, operating/ surgical room, cesarean operating room, and class 3 imaging  
10 hybrid OR.
- 11 • 407.4.1.1 Air Circulation - language change in nurseries to class 3 imaging.
- 12 • 408.4.2 Filtration for outpatient facilities - addition of a column that deals with  
13 recirculating units.
- 14 • 323.0 Mechanical equipment schedules – there was revised language.

#### 15 16 **Part 5 California Plumbing Code**

- 17
- 18 • Addition of table 422.1 and elimination of reference to OSHPD 1,2,3,4,5, and  
19 Table 4-2 and Table 4.3.
- 20 • Footnote 36 added to note that the fixtures inside the whole surgical unit could be  
21 applied to the staff count.
- 22 • On emergency water supply, Mr. Enright highlighted that there was correction of  
23 section number 1616A.1.42 to 1617A.
- 24 • Table 4-2, t removal of “24” in the heading and addition of toilet count ratio for  
25 post anesthesia care units.
- 26 • Additional footnote 20 in airborne infection isolation room. Where the patient  
27 room can only be accessed through the anteroom, the handwash fixture may be  
28 omitted in the patient room.

#### 29 30 **Part 10**

- 31 • Mr. Tannahill pointed out that section 301A.5 was deleted from International  
32 existing building code (IEBC)
- 33 • 312A – removed section 5 in alignment with revision by State Fire Marshal (SFM)

#### 34 35 **Discussion and Input**

1 Mr. O'Connor asked if project delay happens often. Mr. Tannahill replied that sometimes  
2 the projects go beyond limits.

3

4 An interested party asked if there was clarification on patient toilets. Mr. Tannahill said  
5 that they would be single occupancy.

6

7 Mr. Zellmer asked if table 4-2 was arranged alphabetically or if it could be organized. Mr.  
8 Tannahill answered that it was grouped by service type users.

9

10 Mr. Beekman asked if the reference in chapter 1229 affected 422.1.3. Mr. Tannahill  
11 answered that chemical dependency was considered a residential unit, so it goes back  
12 to the model cycle.

13

14 **MOTION: [Naeim /Malley]**

15 The board unanimously voted to approve and move forward with the proposed Building  
16 Standard Code (BSC) revisions of 2022 intervening cycle allowing modifications.

17

18 **Informational and Action item**

- 19 • None

20

21

22 **4. Committee Goals for 2023**

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

24

25 Mr. O'Connor gave a list of the committee goals.

26 • Update CANs (Codes Application Notices) and PINs (Policy Intent Notice) to  
27 code (ongoing)

28 • Mental health jurisdiction flowchart and guide

29 • TIO Program: virtual/offsite inspection

30 • Develop standards for a behavioral health observation unit

31 • Evaluate and articulate detailed building standards for SNFs (Skilled Nursing  
32 Facilities)

33 • Emergency Design Guide – final review and final language to be added but  
34 should be done by the end of the year.

35 • Title 24, Part 3, 4, and 5

36 • NPC-5 Water, Sewer storage requirements – addressed by PIN 73

- 1           ▪ Identify code modifications to support Part 6 implementation of energy
- 2           savings measures
- 3           ▪ Revisit MEP systems Inspections requirements
- 4           ▪ Revisit Fire Protection drawing stamping requirements per MEOR –
- 5           there were no changes proposed.
- 6           ▪ Ventilation Table Standard Format

7  
8 **Discussion and Input**

9 Mr. O'Connor asked if there was still activity needed on mental health jurisdiction. Mr.  
10 Tannahill said that CDPH (California Department of Public Health) was making their last  
11 comment on the guide so it should be ready by the next committee meeting.

12  
13 **Informational and Action item**

- 14 • None.

15  
16  
17 **5. Comments from the public/committee members on issues not on this agenda**

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

19  
20 Future Codes and Processes Committee meeting is scheduled for November 1, 2022,  
21 which would be a joint meeting with the Technology and Research Committee  
22 and Energy Conservation and Management Committee.

23  
24 **Discussion and input**

- 25 • None

26  
27 **6. Adjournment**

28 Mr. O'Connor adjourned the meeting on October 13, 2022, at approximately 11:57 a.m.

# Instrumentation Committee

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Draft Meeting Report/Minutes

October 27, 2022



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



**HOSPITAL BUILDING SAFETY BOARD  
Instrumentation Committee**

**Thursday, October 27, 2022  
10:00 a.m. – 4:00 p.m.**

**Teleconference Meeting Access:**  
[HBSB Teams Instrumentation Committee](#)  
Access Code: 165-349-325

**Committee Members Present**

Marshall Lew, Chair  
Bruce Clark, Vice Chair  
Jim Malley  
Farzad Naeim  
Jennifer Thornburg

**HCAI Staff Present**

Roy Lobo  
Erol Kalkan  
Ali Sumer  
John Gray

**Consulting Members Present**

Hamid Haddadi  
Moh Huang  
Tony Shakal

**HBSB Staff Present**

Veronica Yuke  
Evet Torres

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

2 Marshall Lew, Committee Chair, called the meeting to order on October 27, 2022, at  
3 10:00 a.m., and Veronica Yuke called roll.

4

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

6 Five members of the Committee present constitute a quorum. As there being eight  
7 members present at the time of the roll call, a quorum was established.

8 Ms. Yuke read the public announcement regarding COVID-19, meeting rules and

1 procedures.

2

3 **3. Annual update to the Committee regarding the California Strong Motion**  
4 **Instrumentation Program (CSMIP)**

5 **Presenter:** Erol Kalkan, HCAI

6 Mr. Kalkan spoke on the requirements for hospital instrumentation, which were owner-  
7 paid instrumentation and HCAI-paid instrumentation. Owner-paid instrumentation is  
8 required by California Building Code (CBC) for new buildings and buildings approved  
9 through Alternate Means of Compliance for the Lateral Force Resisting System, Seismic  
10 isolation, and Damping systems. Mr. Kalkan added that for HCAI-paid instrumentation,  
11 the requirements were that HBSB recommends one structure per year for  
12 instrumentation.

13

14 Mr. Kalkan gave the criteria for HBSB building instrumentation selection:

- 15
- 16 • Proximity to fault capable of generating earthquake  $M > 6.5$  and sites with high  
probability of seismic events
  - 17 • Non-standard structural systems
  - 18 • Adjacent to other buildings with pounding probability
  - 19 • Buildings with irregularities
  - 20 • Tall interstory heights
  - 21 • Seismically retrofitted buildings (VSI) & HAZUS / SPC-4D
  - 22 • Soil type (soft soils)
  - 23 • Lack of instrumented buildings in the geographic area

24

25 Mr. Kalkan stated the criteria for owner-required instrumentation:

- 26
- 27 • Structures with Passive Energy Dissipation Systems
  - 28 • Structures with Seismic Isolation Systems
  - 29 • Other structures of conventional lateral force resisting systems (LFRS) with  
alternate methods of compliance.
  - 30 • Structures with lateral system not listed in ASCE 7 Table 12.2-1

31

32 Mr. Kalkan gave a progress report stating that there were a total of 16 hospitals  
33 instrumented between FY 20- FY 24.

- 34
- Three are completed, HCAI funded: Downey – Kaiser Hospital Tower

1 Expansion, Greenbrae – Marin General Hospital, and San Bernardino – St.  
2 Bernardine Hospital

3 • Nine were underway: Long Beach – Miller Children’s Hospital, Whittier –  
4 Presbyterian Intercommunity Hospital, San Jose – Santa Clara Valley  
5 Hospital, Loma Linda – University Medical Center, Los Angeles – Hollywood  
6 Presbyterian MC, Marina Del Rey – Cedars-Sinai Medical Center, La Jolla –  
7 Scripps Tower II, San Diego – Sharp Metropolitan MC New Tower, and Irvine  
8 – UC Irvine Medical Center New Hospital

9 • Four new approved for instrumentation – owner funded: San Diego – Scripps  
10 Mercy Tower (Acute care hospital), Harbor - UCLA Medical Center, San  
11 Francisco – UCSF Parnassus (Acute care hospital), and Los Angeles –  
12 Cedars Sinai (Patient Tower)

13

#### 14 **Discussion**

15 Mr. Clark suggested that in the upcoming White Paper, HCAI should prepare a short  
16 press release on reports and earthquakes. Mr. Kalkan said that was a great idea and  
17 HCAI would do that.

18

19 Mr. Lew asked if HCAI could release a short press conference on the San Jose  
20 earthquake. Mr. Kalkan said that the earthquakes are not explained as there are several  
21 channels that the information has to go through before a press release can be given

22

#### 23 **Informational and Action item**

24 • None

25

#### 26 **4. Review of the Fiscal Year 2021-22 HCAI/CSMIP Hospital Instrumentation**

#### 27 **Annual Report by the California Strong Motion Instrumentation Program**

28 **Presenter:** Hamid Haddadi, Consulting Member

29 Mr. Haddadi mentioned the three types of hospital instrumentation:

- 30 • Type 1- HCAI-Funded Regular Instrumentation of Hospitals
- 31 • Type 2 - Owner-Funded Instrumentation of New Hospitals with CSMIP  
32 Guidance and Assistance
- 33 • Type 3- Owner-Funded Instrumentation of Retrofitted Existing Hospitals with  
34 CSMIP Guidance and Assistance

35

36 Mr. Haddadi gave updates on Type 1 (HCAI-funded) hospital instrumentation:

- 1 • Long Beach – Miller Children’s Hospital (Pediatric Inpatient Addition) -marked  
2 sensor locations on 4/21/2022, ready for installation, waiting for contractor’s  
3 amendment.
- 4 • Whittier – Presbyterian Intercommunity Hospital- Planned to be instrumented  
5 Jan-Feb 2023.
- 6 • San Jose – Santa Clara Valley Hospitals - Waiting for hospital’s contractor to  
7 clear the blocked conduit.

8

9 On Type 2 (owner-funded new) hospital instrumentation, three hospitals were fully  
10 instrumented. Mr. Haddadi listed five other hospitals where instrumentation was in  
11 progress:

- 12 • Los Angeles - Hollywood Presbyterian Medical Center - Waiting for the  
13 contractor to install.
- 14 • Marina Del Rey – Cedars-Sinai Medical Center Replacement Hospital-  
15 Construction scheduled to be completed by 2026.
- 16 • La Jolla – Scripps Tower II – waiting for contractor
- 17 • San Diego – Sharp Metropolitan Medical Center New Tower
- 18 • Irvine – UC Irvine Medical Center New Hospital

19

20 Mr. Haddadi said that only one hospital was under Type 3 (owner-funded, retrofitted  
21 existing) hospital instrumentation, San Bernardino – St. Bernardine Hospital (Central  
22 Tower).

23

24 Mr. Haddadi added that CSMIP had already spent \$143,068.19 of the previous year’s  
25 budget on the postponed projects from FY19-20 and FY20-21 and planned to spend the  
26 additional remaining budget on new instrumentation. Currently, HCAI and CSMIP are  
27 working on an amendment to the contract to allow CSMIP to spend the remaining  
28 budget on the contract.

29

30 Mr. Haddadi remarked that CGS received approval for the statewide strong motion  
31 instrumentation upgrade. He added that 805 recorders or sensors needed to be  
32 upgraded, and of those, 67 were HCAI-sponsored stations. Mr. Haddadi mentioned that  
33 73 stations required re-instrumentation, that is wiring and new recorders. 190 stations  
34 needed SSA recorder replacements.

35 Mr. Haddadi mentioned projects that were on-going and were related to real-time  
36 structural monitoring:

- 37 • CSMIP Real-Time Data Center

- 1           • Pilot Project: Real-Time Monitoring of Hospitals - Santa Rosa – Kaiser Hospital  
2           and Lancaster - Antelope Valley Hospital

3

#### 4   **Discussion**

5   Mr. Kalkan asked about the data timeline from the two hospitals. Mr. Haddadi answered  
6   that real-time data from the two hospitals would be ready in a couple of weeks.

7   Mr. Lew asked if all the data was being sent through selective channels. Mr. Haddadi  
8   answered that if HCAI wanted to receive data from all channels, an upgrade would be  
9   needed for bandwidth and technology.

10   Mr. Lew asked what was the current means of communication. Mr. Haddadi replied that  
11   cell phone was the means of communication, but HCAI could consider CalOES  
12   Microwave telecommunication for early earthquake warning or DSL.

13   Mr. Lobo asked if there would be challenges for a new hospital building to go through  
14   DSL instead of the hospital real-time updates. Mr. Haddadi said that DSL could be an  
15   option if it were available but the set up would be a bit costly.

16   Mr. Kalkan asked if 5G coverage would be an option. Mr. Haddadi stated that 5G would  
17   be used if available and would be upgraded in the contract with HCAI.

18

#### 19   **Information and Action item**

- 20           • None.

21

### 22   **5. Finalize the draft white paper on “The Benefits of Strong-Motion 23   Instrumentation in Hospital Facilities”**

24   **Presenter:** Marshall Lew, Committee Chair, and Farzad Naeim, Committee Member

25

#### 26   **Discussion**

27   These were the modifications made to the White Paper draft:

- 28           • Page 6 of 30, Figure 6 (a) – photoshopped off the logos to blur out product  
29           names
- 30           • Page 8 of 30, Figure 8 – changes made to the verbiage of the graphic/logo  
31           caption
- 32           • Page 9 of 30, First paragraph – language changes and sentence shortening
- 33           • Page 10 of 30 – Changes to the footnotes formatting, dropping it down a few  
34           more points
- 35           • Page 13 of 30, Second paragraph – the terminology changed from “fragility”

- 1 to “engineering” functions
- 2 • Page 14 of 30, Figure 12 – changes made to the graphic footers and
- 3 diagrams explanations
- 4 • Page 17 of 30 – Language changes to the second paragraph made to correct
- 5 run–on sentence. Changes made in the fourth paragraph, regarding where
- 6 the information was processed, and the website provided.
- 7 • Page 18 of 30 – Alterations to the verbiage of some of the figure titles to
- 8 provide more information. Additionally, language changes in Figure 17
- 9 captions. Language changes in the last paragraph.
- 10 • Page 19 – changed reference number 11 on the second paragraph and the
- 11 footnote
- 12 • Page 21 of 30 – Punctuation changes to first paragraph
- 13 • Page 22 of 30, Chapter 6 – changed the title of the chapter. Changed wording
- 14 to paragraph four (the numbered list)
- 15 • Page 23 of 30 – Changed the third paragraph from the top “The Big One.”
- 16 Removed all the acronyms of the state agencies in the last paragraph of the
- 17 page.
- 18 • Page 25 of 30 – Changed the second paragraph that includes the verbiage of
- 19 telecommunication systems. Language changes to the last paragraph.
- 20 • Page 26 of 30 – Changed the first paragraph and edited some wording. Slight
- 21 changes were made to the wording in the third paragraph.
- 22 • Mr. Lew suggested the addition of an acknowledgment section to recognize
- 23 members of the public who helped with the White Paper.
- 24

25 **Information and Action item**

- 26 • None.
- 27

28 **MOTION: [Naeim/Malley]**

29 The board unanimously voted to approve the final White Paper draft with modifications

30 and present it to the full board.

31

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

33 **Presenter:** Marshall Lew, Committee Chair

34 Mr. Lew announced that his second term on the HBSB would be ending in May 2023.

35 **Discussion**

1       • None

2

3       **Information and Action item**

4       • None.

5

6       **6. Adjournment**

7       Mr. Lew adjourned the meeting on October 27, 2022, at approximately 12:19 p.m.

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# Structural and Nonstructural Regulations Committee

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Draft Meeting Report/Minutes

November 7, 2022



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



**HOSPITAL BUILDING SAFETY BOARD  
 Structural and Nonstructural Regulations Committee**

**Monday, November 7, 2022  
 1:00 p.m. – 4:00 p.m.**

**Teleconference Meeting Access:**

[HBSB Teams SNRS Committee](#)

Access Code: 629-109-918

**Committee Members Present**

Jim Malley, Chair  
 Farzad Naeim, Vice Chair  
 Cody Bartley  
 Bruce Clark  
 Mike Hooper  
 Marshall Lew

**HCAI Staff Present**

Chris Tokas, FDD Deputy Director  
 Arash Altoontash  
 Richard Tannahill  
 Ali Sumer  
 Roy Lobo  
 Carl Scheuerman  
 James Yi

**HBSB Staff Present**

Ken Yu, Executive Director  
 Evett Torres

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

2 Jim Malley, Committee Chair, called the meeting to order on November 7, 2022, at 1:00  
 3 p.m., and HBSB Executive Director Ken Yu called roll.

4

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

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

8

9 Mr. Yu read the public announcement regarding COVID-19, meeting rules and  
 10 procedures.

1 **3. Draft HCAI Policy Intent Notice (PIN) Assembly Bill (AB) 1882, Hospitals:**  
2 **Seismic Safety**

3 **Presenter:** Ali Sumer, HCAI  
4

5 Mr. Tokas stated that the bill required, on or before January 1, 2024, and annually  
6 thereafter, the hospital owner to submit an annual status update on the Structural  
7 Performance Category ratings of the buildings. The report would be transmitted  
8 electronically using eServices on the HCAI website.

9 Mr. Tokas also mentioned that if an acute care inpatient hospital does not meet the  
10 seismic safety standard by July 2023, the hospital owner is required to put a public  
11 notice in the lobby or waiting area to notify the public about it.

12  
13 Mr. Sumer communicated that the bill required the owners of acute care inpatient  
14 hospitals to annually report to:

- 15 • The county board of supervisors in whose jurisdiction the building was located
- 16 • The city council
- 17 • Any labor union representing workers who work in the building that does not
- 18 comply with seismic safety regulation.
- 19 • The board of directors of a district or joint power agency that provides fire and
- 20 emergency medical services in the hospital building's jurisdiction
- 21 • HCAI department
- 22 • The board of directors of the hospital
- 23 • The local office of emergency services or equivalent agency
- 24 • The office of emergency services
- 25 • The medical health operational area coordination

26  
27 Mr. Sumer stated that on the HCAI website, as well as in all the documents and  
28 submission to the department by the hospital owner relating to compliance with section  
29 130065, SPC-2 building are identified as buildings that do not significantly jeopardize life,  
30 but may not be repairable or functional following an earthquake. He added that SPC-  
31 5/NPC-5 buildings are identified as "Earthquake Resilient".

32  
33 Mr. Sumer also mentioned that the law required SPC-2 and NPC-5 buildings to include  
34 the following identification:

- 1 • On the title sheet of construction drawings and title sheet of specifications, the  
2 following documents and/or forms were excluded: Amended Construction  
3 Documents (ACD), Request for Information (RFI), Calculations, and Testing,  
4 Inspection & Observation (TIO).
- 5 • On the title sheet of seismic, compliance evaluation reports.

6  
7

## 8 **Discussion and Input**

9 Mr. Naeim recommended changing classification notice type E to reflect the same  
10 wording as classification notice type C or D.

11 Mr. Hooper suggested that notices should be in more than one hospital location.

12 Mr. Sumer said that the locations would be determined case by case, but at least one  
13 per building.

14 Mr. Malley asked if the notice-writers could reconsider the wording “structural and non-  
15 structural”. Mr. Tokas said that they would work on that and produce wordings that is  
16 more descriptive to the public. Mr. Naeim suggested the use of “structural integrity” for  
17 the left chart and “functionality” for the right chart.

18 Mr. Lew asked if there was a guide for the notice. Mr. Sumer answered that they would  
19 investigate that.

20 Mr. Malley asked about the timeline for publishing the PIN. Mr. Tokas said that the final  
21 document would be published early December 2022.

22

## 23 **Informational and Action item**

- 24 • None

25  
26

## 27 **MOTION: [Hooper/Naeim]**

28 The committee voted unanimously to approve the draft PIN related to AB1882.

29

## 30 **4. Proposed amendments to the 2022 California Administrative Code, Title 24,** 31 **Part 1, Chapter 6, Small and Rural Hospital Relief Program**

32 **Presenter:** Ali Sumer, HCAI

33

34 Mr. Scheuerman stated that the Small and Rural Hospital Relief Program was a grant  
35 program administered by Office of Health Facility Loan Insurance (OHFLI) for qualified  
36 hospitals to seek funding for seismic safety compliance projects.

1 He stated that eleven hospitals had initiated applications for program admission. Three  
2 had revised compliance plans, which had been approved, and eight were pending  
3 compliance plan submission.

4

5 Mr. Scheuerman mentioned Title 24 proposed language:

- 6 • Define “Integrated Review” as applied to retrofit scheme development
- 7 • Bring revised compliance plan requirements into code, applicable to all  
8 facilities
- 9 • Create provision in code for Small and Rural Hospital Relief Program and any  
10 subsequent funding program

11

12 Mr. Scheuerman said PIN 71 added language on State Grant Programs to state that the  
13 State of California may establish programs that provide grant funding for general acute  
14 care hospitals to advance seismic safety.

15

16 Mr. Scheuerman stated that the Office of Health Facility Loan Insurance (OHFLI)  
17 determined the following provisions to be eligible for the State Grant Program:

- 18 • Small hospital
- 19 • Rural hospital
- 20 • Critical access hospital
- 21 • Compliance imposes a financial burden on the applicant that may result in  
22 hospital closure
- 23 • The hospital closure would impact health care accessibility in the communities  
24 surrounding the hospital

25 Mr. Scheuerman added that there is also language for integrated reviews for seismic  
26 compliance. The purpose was to provide technical assistance to a hospital project team  
27 to develop a cost-efficient structural or non-structural seismic retrofit program.

28

## 29 **Discussion and Input**

30 Mr. Malley asked if HCAI needed assistance in determining the amount of work to be  
31 most efficient. Mr. Scheuerman said when the facility comes into the program, the design  
32 professionals work for the hospitals that are in the program. The relationship between  
33 the hospital and HCAI was with the hospital directly and not with the engineers and  
34 architects.

35

1 **Information and Action item**

- 2 • None.

3  
4  
5 **MOTION: [Naeim/Bartley]**

6 The committee voted unanimously to accept the motion to endorse the action for the  
7 adoption of proposed regulation as it related to SB 395.

8  
9 **5. Committee Goals for 2023**

10 **Presenter:** Jim Malley, Committee Chair

11  
12 Mr. Malley gave a review of Structural and Non-structural Regulations Committee goals  
13 for 2022:

- 14 • Support HCAI with review of code changes (ongoing).
- 15 • Support HCAI with review of new/revised PINs, CANs, and OPDs (ongoing)
- 16 • Implementation of SPC-4D and NPC-4D –SPC-4D and NPC-4D, had  
17 potentially resolving issues regarding repurposing hospital buildings. The goal  
18 was removed.
- 19 • Issues regarding repurposing hospital buildings (ongoing) – most projects  
20 were completed.
- 21 • Develop pre-approved details – the item was moved to 2023 goals.
- 22 • Revisit NPC-5 requirements (in progress)- there was a published guide in  
23 HCAI website. This goal was removed.

24  
25 Mr. Malley gave a list of potential committee goals for 2023:

- 26 • Seismic compliance issues related to NPC-3, NPC-4D and NPC-5.  
27 Streamlining the process to meet the statutory and regulatory deadline.
- 28 • Review of Code amendments that are now obsolete as those issues have  
29 been addressed in model code.
- 30 • Develop and implement procedures and enforceable building standards to  
31 ensure safe and sustainable healthcare facilities.
- 32 • New products, materials and methods that would benefit the public by early  
33 adoption rather than wait for their incorporation in the building code.
- 34 • Increase IOR competency.

- 1 • Implementation of small and rural hospital relief program, increase technical  
2 assistance and awareness.
- 3 • Implementation of AB 1882 requirements. Reach out to stakeholders via  
4 seminars and webinars to raise awareness.
- 5 • Training and outreach to industry on code changes and tips for working with  
6 HCAI. In-person training meetings was highly suggested.

7

8 **Discussion and input**

9

- 10 • None.

11

12 **Information and Action item**

- 13 • None.

14

15

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

17 **Presenter:** Jim Malley, Committee Chair

18

19 Mr. Malley thanked the members for their participation in the meeting. He stated that the  
20 committee would present the 2023 goals in the December Full Board meeting.

21

22 **Discussion and input**

- 23 • None.

24

25 **Information and Action item**

- 26 • None.

27

28 **7. Adjournment**

29 Mr. Malley adjourned the meeting on November 7, 2022, at approximately 2:38 p.m.



# Ad Hoc Board Procedures Committee

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Draft Meeting Report/Minutes

November 18, 2022



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



**HOSPITAL BUILDING SAFETY BOARD  
Board Procedures Committee**

**Friday, November 18, 2022  
10:00 a.m. – 4:00 p.m.**

**Teleconference Meeting Access:**  
[HBSB Teams BP Committee](#)  
Access Code: 101-830-911

**Committee Members Present**

Michael Foulkes, Chair  
Scott Jackson, Vice Chair  
Louise Belair  
Bruce Rainey

**HCAI Staff Present**

Richard Tannahill  
Carl Scheuerman  
James Yi

**HBSB Staff Present**

Ken Yu, Executive Director  
Evet Torres  
Veronica Yuke

1 **1. Welcome and introductions**

2 Michael Foulkes, Committee Chair, called the meeting to order on November 18, 2022,  
3 at 10:00 a.m., and HCAI Executive Director, Ken Yu called roll.

4

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

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

8 Mr. Yu read the meeting rules and procedures.

9

1 **3. Discussion about Joint Committee Meetings**

2 **Presenter:** Ken Yu, HBSB Executive Director

3 **Discussion and Input**

4 Mr. Yu proposed the committee discuss policies that govern Joint Committee meetings.

5 Mr. Foulkes asked the outcome in case where one committee present in a Joint  
6 Committee voted against a motion. Mr. Yu answered that the policies to be made would  
7 tackle such a situation.

8 Mr. Jackson asked if a motion is not approved by one committee, would it still get to the  
9 Full Board for recommendations. Mr. Yi answered that any member could raise a  
10 motion in the Full Board, so committee could not prohibit a motion to be presented.

11 Ms. Belair asked for the meaning of the vote of the committee. Mr. Scheuerman  
12 answered that it meant the board recommended or endorsed policy to HCAI for  
13 adoption.

14 Ms. Belair asked if a voted recommendation goes to the Full Board or stops at  
15 committee level. Mr. Scheuerman answered that the committee functions on behalf of  
16 the board and makes recommendations to the board.

17 Mr. Yi communicated that Bagley-Keene makes a distinction between a committee that  
18 has been delegated some Full Board authority versus an advisory committee. He  
19 recommended that HBSB delegate a committee decision-making authority before going  
20 to the Full Board.

21 Mr. Yi stated that there were regulations that stated that, even for an advisory  
22 committee, whatever state body they advised, if they accept recommendations without  
23 reviews, the advisory committee would be considered a decision-making authority.

24 Mr. Foulkes suggested that if there is a majority of board members present in a Joint  
25 Committee, then the meeting should be considered a Full Board Meeting.

26  
27 **Informational and Action item**

- 28 • None
- 29

30 **4. HBSB Leadership Training for Committee Chairs and Vice-chairs**

31 **Presenter:** Louise Belair, Committee Chair

32 Ms. Belair expressed that the intent of the training was to discuss, develop, and plan  
33 training curriculum for new board members. That would include the following topics:

- 34 • Drafting agendas
- 35 • PowerPoint presentations

- 1 • Roles and responsibilities
- 2 • Robert's Rules
- 3 • Discussion and public input

4

## 5 **Discussion and Input**

6 Mr. Rainey asked if the training would be done immediately after new board members  
7 were appointed. Mr. Yu said that it would be for seasoned chairs and vice chairs to have  
8 a refresher course. Ms. Belair suggested that the training be done at the beginning of  
9 the year or during a Full Board meeting.

10 Ms. Belair asked how the training was developed in the past. Mr. Foulkes said it was a  
11 combination of discussion between the chair and vice chair, and members with  
12 questions and answers.

13 Ms. Belair asked if there could be a separate meeting in which all Full Board members  
14 were involved in the training. Mr. Jackson agreed with that since that meeting would  
15 accomplish the goal of the training. Mr. Foulkes suggested that since the meetings were  
16 done virtually, then the training be done as a standalone meeting. Mr. Belair added that  
17 the idea would be not to have another Full Board meeting but a meeting in which all  
18 board members were present.

19 Ms. Belair asked how the meeting would be noticed. Mr. Rainey answered that since  
20 the meeting would be educational, there would be no need for a quorum.

21 Ms. Belair concluded that the training was necessary for all interested board members,  
22 the session could be done virtually at the beginning of the year.

23 Ms. Belair asked if Bagley-Keen could be an item on the agenda for the upcoming Full  
24 Board meeting. Mr. Yu said that Bagley-Keen would be a refresher in the Full Board  
25 meeting.

26

## 27 **Informational and Action item**

- 28 • None.

29

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

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

32

## 33 **Discussion and input**

- 34 • None.

35

1 **Informational and Action item**

- 2 • None.

3

4 **6. Adjournment**

5 Mr. Foulkes adjourned the meeting on November 18, 2022, at approximately 11:33 a.m.

# Education and Outreach Committee

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Draft Meeting Report/Minutes

January 18, 2023

March 8, 2023

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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**

**Wednesday, January 18, 2023  
10:00 a.m. – 4:00 p.m.**

**Teleconference Meeting Access:**

[HBSB Teams EO Committee](#)

Access Code: 171-107-436

**Committee Members Present**

Mike Hooper, Chair  
Scott Mackey, Vice Chair  
Cody Bartley  
Louise Belair  
Deepak Dandekar  
Gary Dunger  
Bert Hurlbut  
David Khorram

**HCAI Staff Present**

Chris Tokas, OSHPD Deputy Director  
Arash Altoontash  
Richard Tannahill  
Joe LaBrie  
Nanci Timmins  
John Grey

**Consulting Members Present**

John Donelan  
Kelly Martinez  
Bruce Rainey  
Bill Zellmer

**HBSB Staff Present**

Ken Yu, Executive Director  
Evet Torres

1 **1. Welcome and introductions**

2 Mike Hooper, Chair, called the meeting to order on January 18, 2023, at 10:00 a.m.,  
3 and HBSB Executive Director, Ken Yu called roll.

4 **2. Roll Call And Meeting Advisories/Expectations**

5 Seven members of the Committee present constitute a quorum. There being twelve  
6 present at the time of roll, a quorum was established.

1 Mr. Yu read the meeting rules and procedures.

2

3 **3. Update on Educational Webinars – Establish Curriculum and calendar dates**

4 **Presenter:** Mike Hooper, Committee Chair

5 **Discussion and Input**

6 Mr. Hooper requested an update for the webinars.

7 **A. Offsite Fabrication/Pre-assembled**

8 Mr. Mackey said that a formulation for the materials for developing what would be  
9 covered in the webinar would be ready for presentation in the next committee meeting  
10 in March.

11 Mr. Yu asked if three committee members meeting would be in violation of the Bagley-  
12 Keen. Mr. Yi replied that if the committee appointed three or more persons that would  
13 be considered a subcommittee and under the Bagley-Keene regulations. He suggested  
14 that two members could meet for discussion.

15 **B. California Administrative Code**

16 Mr. Tannahill said that they were yet to meet for the discussion.

17 Mr. Hooper asked if the webinar should be put on hold. Mr. Tannahill proposed that the  
18 webinar be put on hold until later in the year.

19 Mr. LaBrie suggested a webinar that could also be presented as a seminar. Mr. Hopper  
20 said that the committee would develop the webinar and a separate seminar on the topic.

21 **C. Policy Intent Notice (PIN) 50: Integrated Review**

22 Mr. Tannahill communicated that the presentation for the webinar was ready and  
23 waiting for coordination and scheduling. Mr. Tannahill said that the presentation would  
24 be in the next committee meeting in March.

25 Mr. Tokas asked if the public webinar could be presented two weeks after the next  
26 committee meeting. Mr. Tannahill said that the webinar could be presented a month  
27 after the committee meeting.

28 **D. Emergency Process Design Guide**

29 Mr. Tannahill briefed that they were in the final stage of preparing a presentation.

30 Mr. Hooper asked if the presentation would be done in March. Mr. Dunger said that they  
31 would give an update on that.

32 **E. OSHPD 3 Clinics**

33 Mr. Dunger stated that the presentation was 90% complete.

1 Mr. Tannahill asked if the format had been decided. Mr. Dunger answered that there  
2 were two webinars planned on the topic. Mr. Tannahill suggested May and July dates  
3 for the two webinars.

#### 4 **F. Testing, Inspection and Observation Program**

5 Mr. LaBrie communicated that the presentations on the topic were done in 2022.

6 Mr. LaBrie suggested a seminar on the topic at the end of the year.

#### 7 **G. PINs and Code Application Notices (CANs)**

8 Ms. Timmins mentioned that there was a language change in the 2022 code, so what  
9 was there needed to be redone.

10 Mr. Hooper asked if there would be a presentation in March for the committee to review.

11 Ms. Timmins answered that the presentation on CAN 2-508 would be done by March.

#### 12 **Informational and Action item**

- 13 • None

14

#### 15 **4. Planning and Development of the 2023 Seminar: Guide for Working on OSHPD** 16 **Projects—Tips from the Experts**

17 **Presenter:** Mike Hooper, Committee Chair

#### 18 **Discussion and Input**

19 Mr. Dunger recommended that the committee break it up into topics and have groups  
20 work on each section.

21 Mr. Hurlbut recommended that after the experts update the guide, the report should be  
22 re-read by a non-expert in that field to ensure the language is understandable to the  
23 public.

24 Mr. Hooper said the subject matter experts from the committee would work on the  
25 document and produce suggestions to be presented in the next committee meeting.

26 Mr. Hooper stated that the committee should consider which portions of the document  
27 could be used for the seminar. Mr. Hooper suggested that topics be broken into  
28 sections and assigned to members so they could develop the presentations.

29 Ms. Martinez recommended receiving a guideline to Working on Projects Under OSHPD  
30 Jurisdiction. Mr. Tokas said there would be a guide by the next committee meeting.

31 Mr. Hooper said they would expect an outline for developing the seminar from HCAI by  
32 the next committee meeting.

33 Mr. Hooper asked for volunteers for the different topics in the document.

1 Ms. Belair said the EO committee's role was to use the guide to prepare the seminars  
2 and not necessarily update the document. Mr. Tokas said that to prepare the seminar,  
3 the committee would note references, topics, and concepts to be updated. So, the  
4 committee would be reviewing the document and making suggestions to update the  
5 document. Mr. Hooper explained that the committee was to render opinions on what  
6 was needed to be updated within the document so HCAI for could update it.

7 The volunteers were:

- 8 • Scott Mackey – Architecture and design section
- 9 • Mike Hooper – Inspector of record guideline section
- 10 • Bert Hurlbut – Chapter 7
- 11 • Joe LaBrie – TIO section
- 12 • Chris Tokas – Guideline for working with OSHPD, and Geological hazard  
13 sections
- 14 • Bill Zellmer – Chapter 1, Introduction chapter
- 15 • Gary Dunger – Hospital best practices and Fire and Life Safety drawings.  
16 Mr. Dunger suggested that electrical service section be added to the  
17 document
- 18 • Louise Belair – Mechanical and plumbing section

19  
20 Mr. Tokas said the in-person seminar was planned for the second week of October.

21  
22 **Informational and Action item**

- 23 • None.

24  
25 **5. Comments from the public/committee members on issues not on this agenda**

26 **Presenter:** Mike Hooper, Committee Chair

27 Future Education and Outreach Committee meetings:

- 28 • March 8, 2023
- 29 • May 24, 2023
- 30 • July 26, 2023
- 31 • August 23, 2023
- 32 • September 20, 2023
- 33 • October 11, 2023

1           • November 1, 2023

2

3 Mr. Hooper thanked the committee members for their input.

4 **Discussion and input**

5     • None.

6

7

8 **Informational and Action item**

9     • None.

10

11 **6. Adjournment**

12 Mr. Hooper adjourned the meeting on January 18, 2023, at approximately 11:46 a.m.

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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**

**Wednesday, March 8, 2023  
10:00 a.m. – 4:00 p.m.**

**Teleconference Meeting Access:**

[HBSB Teams EO Committee](#)

Access Code: 541-530-435

**Committee Members Present**

Mike Hooper, Chair  
Cody Bartley  
Deepak Dandekar  
Gary Dunger  
Bert Hurlbut

**Consulting Members Present**

John Donelan  
Kelly Martinez  
Bruce Rainey  
Bill Zellmer

**HCAI Staff Present**

Chris Tokas, OSHPD Deputy Director  
Arash Altoontash  
Richard Tannahill  
Hussain Bhatia  
Joe LaBrie  
Nanci Timmins  
John Grey

**HBSB Staff Present**

Ken Yu, Executive Director  
Evet Torres

1 **1. Welcome and introductions**

2 Mike Hooper, Committee Chair, called the meeting to order on March 8, 2023, at 10:08  
3 a.m., and HBSB Executive Director, Ken Yu called roll.

4

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

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

8

1 Mr. Yu read the meeting rules and procedures.

2

3 **3. Review and approve the January 18, 2023, meeting report/minutes**

4 **Presenter:** Mike Hooper, Committee Chair

5 **Discussion and Input**

6 Mr. Hooper gave review of the Jan 18, 2023, meeting report.

7 He stated that there was a discussion on the webinars' updates.

8 Mr. Hooper asked the committee members to add more webinar topics that might be  
9 important to the public.

10

11 **MOTION: [Zellmer/Hurlbut]**

12 The committee unanimously voted to accept and approve the January 18, 2023,  
13 meeting reports/minutes.

14

15 **Informational and Action item**

- 16 • None

17

18 **4. Update on Educational Webinars – Establish Curriculum and calendar dates**

19 **Presenter:** Mike Hooper, Committee Chair

20 **Discussion and Input**

21 **A. Offsite Fabrication/Pre-assembled**

22 Mr. Bartley said that they met on the 2<sup>nd</sup> and strategized on the content needed for the  
23 draft. He stated that the draft was not ready and requested a month or two to get it  
24 ready.

25

26 **B. California Administrative Code**

27 Mr. Hooper said the webinar was on hold until year's end.

28

29 **C. Policy Intent Notice (PIN) 50: Integrated Review**

30 Mr. Dunger said they met and discussed past presentations to see how they could be  
31 incorporated into the webinar. He highlighted that the electronic plan review program  
32 had been updated so there was a need to learn the updates then prepare the  
33 presentation.



1 Mr. Dunger stated that the presentation was scheduled for mid-year.

2

### 3 **D. Emergency Process Design Guide**

4 Mr. Dunger briefed that the design guide was in its final review stage, and the next step  
5 would be to identify presenters and develop the presentation.

6 Mr. Tannahill volunteered to participate in presenting the draft.

7

### 8 **E. OSHPD 3 Clinics**

9 Mr. Dunger said that the presentation was 95% complete and was in review. He  
10 identified dates for the webinars as May 16 and 18, 2023.

11 Mr. Dunger outlined the topics for the first webinar:

- 12 • Fire problem in health facilities
- 13 • Fire safety clearance – Form 850
- 14 • Regulatory requirement for OSHPD 3
- 15 • Code Application Notice 1-7-2100
- 16 • Healthcare facilities design
- 17 • Effective uses of the code
- 18 • Occupation classification B vs. I-2-1
- 19 • CBC chapter 5 – construction types, location on property, incidental uses,  
20 patient drop off.
- 21 • Sprinkler protection
- 22 • Additional fire protection i.e., fire alarms
- 23 • CBC chapter 4 requirements – focused on specific requirements unique to  
24 clinics for corridors, suites, smoke barriers, and other 407 requirements.
- 25 • CBC requirement for chapter 8 – for interior finishings, decorative materials,  
26 and furnishings.
- 27 • CBC requirements for chapter 10
- 28 • Security
- 29 • Hazards in the clinical settings

30

31 For the second webinar

- 32 • Difference between OSHPD 3 and Title 24

- 1 • CBC section 1226 – architectural provision
- 2 • Mechanical code requirement
- 3 • Plumbing code requirement
- 4 • Electrical code requirement
- 5 • Energy code requirement
- 6 • Green building code requirement.

7

8 Mr. Tannahill asked who would do the webinar presentation. Mr. Dunger answered that  
9 it would be him, Mr. Tannahill, Mr. Khorram, and Ms. Timmins.

10

#### 11 **F. Testing, Inspection and Observation Program**

12 Mr. LaBrie communicated that there was no update on the webinar and no new  
13 development on the TIO.

14 Mr. LaBrie requested members who had content for Tip of the Day that could be useful  
15 to the industry, to send them to Ms. Torres to be used in the next season of Tip of the  
16 Day.

#### 17 **G. PINs and Code Application Notices (CANs)**

18 Ms. Timmins suggested that CAN 2-508 be combined with other topics since it was a  
19 short topic.

20 The webinar topics were

- 21 • Robots and robotics in hospitals
- 22 • Difference between AGVs and AMR
- 23 • Uses of AGVs and AMR
- 24 • Concerns with robots and robotics
- 25 • Code requirement for robots and robotics
- 26 • PIN 69
- 27 • AGVs- what does work

28

29 Mr. Hooper asked how long the webinar presentation would take. Ms. Timmins  
30 answered that it would take one and a half hours.

31

#### 32 **Informational and Action item**

- 1 • None

2

3 **5. Planning and Development of the 2023 Seminar: Guide for Working on OSHPD**  
4 **Projects—Tips from the Experts**

5 **Presenter:** Mike Hooper, Committee Chair

6 **Discussion and Input**

7 Mr. Tokas outlined the topics for the seminar which were divided into four sections.

8 1 HCAI/OSHPD presentation –Mr. Tokas and Mr. Tannahill

9 2 Tips for Owners –Mr. Hurlbut, Mr. Dunger, Mr. Zellmer, and Ms. Martinez.  
10 The lead contacts are Mr. Dunger and Mr. Hurlbut

11 3 Working with OSHPD in the Field – Mr. Labrie and Mr. Hooper

12 4 Submittals, Designs, and OSHPD Review

13 - HCAI/OSHPD Roles and Jurisdiction –Mr. Tannahill

14 - Architects Roles and Responsibilities – Mr. Mackey

15 - The Structural Engineer’s Roles and Responsibilities – Mr. Malley

16 - MEP roles and responsibilities – Ms. Belair and Mr. Griffiths

17 Mr. Tokas volunteered Marshall Lew to cover Geologic Hazards.

18 Mr. Hooper suggested choosing team leads to discuss the topics and sending them to  
19 Mr. Tokas.

20 Mr. Tokas said that the draft for each section should be ready for presentation on May  
21 24<sup>th</sup>, 2023.

22 Mr. Hooper asked if there was enough information to update the guide. Mr. Tokas  
23 answered that the edits that would come up during the preparation of the webinars  
24 would provide updates to the guide. Mr. Hurlbut suggested having subject matter in the  
25 guide for non-experts of the public.

26 An interested party asked when and where the meeting notes were available. Mr. Yu  
27 answered that the meeting notes were posted on the HCAI HBSB website, ten days  
28 before the following committee meeting. Mr. Yu added that the next Education and  
29 Outreach Committee meeting was scheduled for May 24, 2023, so the draft meeting  
30 report would be available at least ten days before that.

31

32 **Informational and Action item**

- 33 • None.

34

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

2 **Presenter:** Mike Hooper, Committee Chair

3 Future Education and Outreach Committee meetings:

- 4 • May 24, 2023
- 5 • July 26, 2023
- 6 • August 23, 2023
- 7 • September 20, 2023
- 8 • October 11, 2023
- 9 • November 1, 2023

10 Mr. Hooper thanked the committee members for their input.

11 **Discussion and input**

- 12 • None.

13

14 **Informational and Action item**

- 15 • None.

16

17 **7. Adjournment**

18 Mr. Hooper adjourned the meeting on March 8, 2023, at approximately 11:38 a.m.

# Board Rosters

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**2023**

- COMMITTEE LIST
  - BOARD MEMBERSHIP
- CONSULTING COMMITTEE MEMBERS

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



April 9, 2023

To: Members, Hospital Building Safety Board  
 From: Ken Yu, Executive Director  
 Subject: Upcoming Meeting Dates

Please make note of the following meeting dates. Agendas will be sent out separately.

DATE	MEETING	LOCATION
<p><b>January 18, 2023</b>                      10 am – 4 pm</p>	<p><b>Education and Outreach Committee</b></p>	<p><b>Microsoft Teams:</b>  <a href="#">Click here to join the meeting</a>                      Meeting ID: 223 824 851 725                      Passcode: RHAmAT</p> <p><b>Or call: +1 916-535-0978</b>  <b>Phone Conf ID: 171 107 436#</b></p> <hr/> <p><b>In Person:</b>  <b>HCAI Los Angeles</b>                      355 S. Grand Ave, Ste. 2000                      Los Angeles, California 90071</p> <p><b>HCAI Sacramento</b>                      2020 West El Camino Ave, Ste. 930                      Sacramento, CA 95833</p>

DATE	MEETING	LOCATION
January 24, 2023	Structural and Nonstructural Regulations Committee	<b>CANCELED</b>
February 7, 2023	Codes and Processes Committee	<b>CANCELED</b>
February 16, 2023	Instrumentation Committee	<b>CANCELED</b>
<b>March 8, 2022</b> 10 am – 4 pm	<b>Education and Outreach Committee</b>	<u><b>Microsoft Teams</b></u>  <u><b>In Person:</b></u> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071  <b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833
<b>March 16, 2023</b> 10 am – 4 pm	<b>Energy Conservation and Management Committee</b>	<u><b>Microsoft Teams</b></u>  <u><b>In Person:</b></u> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 1901 Los Angeles, California 90071  <b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833



DATE	MEETING	LOCATION
<p><b>April 11, 2023</b> 10 am – 4 pm</p>	<p><b>Structural and Nonstructural Regulations Committee</b></p>	<p><b><u>Microsoft Teams:</u></b>  <a href="#">Click here to join the meeting</a>  Meeting ID: 292 684 543 991  Passcode: TdJiU9</p> <p><b>Or call:</b> +1 916-535-0978  Phone Conf ID: 285 913 771#</p> <hr/> <p><b><u>In Person:</u></b>  <b>HCAI Los Angeles</b>  355 S. Grand Ave, Ste. 1901  Los Angeles, California 90071</p> <p><b>HCAI Sacramento</b>  2020 West El Camino Ave, Ste. 930  Sacramento, CA 95833</p>
<p><b>April 20, 2023</b> 10 am – 4 pm</p>	<p><b>Full Board</b></p>	<p><b><u>Microsoft Teams:</u></b>  <a href="#">Click here to join the meeting</a>  Meeting ID: 257 934 993 830  Passcode: osFNed</p> <p><b>Or call:</b> +1 916-535-0978  Phone Conf ID: 229 968 008#</p> <hr/> <p><b><u>In Person:</u></b>  <b>HCAI Los Angeles</b>  355 S. Grand Ave, Ste. 2000  Los Angeles, California 90071</p> <p><b>HCAI Sacramento</b>  2020 West El Camino Ave, Ste. 900  Sacramento, CA 95833</p>
<p><b>April 26, 2023</b></p>	<p><b>Technology and Research Committee</b></p>	<p><b><u>CANCELED</u></b></p>

DATE	MEETING	LOCATION
<p><b>May 9, 2023</b> 10 am – 4 pm</p>	<p><b>Codes and Processes Committee</b></p>	<p><b><u>Microsoft Teams:</u></b>  <a href="#">Click here to join the meeting</a>  Meeting ID: 260 667 884 822  Passcode: AqcV9f</p> <p><b>Or call:</b> +1 916-535-0978  Phone Conf ID: 493 134 277#</p> <hr/> <p><b><u>In Person:</u></b>  <b>HCAI Los Angeles</b>  355 S. Grand Ave, Ste. 2000  Los Angeles, California 90071</p> <p><b>HCAI Sacramento</b>  2020 West El Camino Ave, Ste. 930  Sacramento, CA 95833</p>
<p><b>May 24, 2023</b> 10 am – 4 pm</p>	<p><b>Education and Outreach Committee</b></p>	<p><b><u>Microsoft Teams:</u></b>  <a href="#">Click here to join the meeting</a>  Meeting ID: 222 245 177 483  Passcode: bwvkdx</p> <p><b>Or call:</b> +1 916-535-0978  Phone Conf ID: 221 890 890#</p> <hr/> <p><b><u>In Person:</u></b>  <b>HCAI Los Angeles</b>  355 S. Grand Ave, Ste. 2000  Los Angeles, California 90071</p> <p><b>HCAI Sacramento</b>  2020 West El Camino Ave, Ste. 930  Sacramento, CA 95833</p>

DATE	MEETING	LOCATION
<p><b>June 1, 2023</b> 10 am – 4 pm</p>	<p><b>Instrumentation Committee</b></p>	<p><b>Microsoft Teams:</b>  <a href="#">Click here to join the meeting</a>  Meeting ID: 288 265 514 900  Passcode: rGJoNS</p> <p><b>Or call:</b> +1 916-535-0978  Phone Conf ID: 485 334 57#</p> <hr/> <p><b>In Person:</b>  <b>HCAI Los Angeles</b>  355 S. Grand Ave, Ste. 1901  Los Angeles, California 90071</p> <p><b>HCAI Sacramento</b>  2020 West El Camino Ave, Ste. 930  Sacramento, CA 95833</p>
<p><b>June 22, 2023</b> 10 am – 4 pm</p>	<p><b>Energy Conservation and Management Committee</b></p>	<p><b>Microsoft Teams:</b>  <a href="#">Click here to join the meeting</a>  Meeting ID: 221 018 181 042  Passcode: ZDnuzj</p> <p><b>Or call:</b> +1 916-535-0978  Phone Conf ID: 399 542 438#</p> <hr/> <p><b>In Person:</b>  <b>HCAI Los Angeles</b>  355 S. Grand Ave, Ste. 2000  Los Angeles, California 90071</p> <p><b>HCAI Sacramento</b>  2020 West El Camino Ave, Ste. 930  Sacramento, CA 95833</p>
<p><b>July 26, 2023</b> 10 am – 4 pm</p>	<p><b>Education and Outreach Committee</b></p>	<p><b>HCAI Sacramento</b>  2020 West El Camino Ave, Ste. 930  Sacramento, CA 95833</p> <hr/> <p><b>HCAI Los Angeles</b>  355 S. Grand Ave, Ste. 2000  Los Angeles, California 90071</p>

DATE	MEETING	LOCATION
<b>August 1, 2023</b> 10 am – 4 pm	<b>Codes and Processes Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>August 17, 2023</b> 10 am – 4 pm	<b>Full Board</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 900 Sacramento, CA 95833
<b>August 23, 2023</b> 10 am – 4 pm	<b>Education and Outreach Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>August 29, 2023</b> 10 am – 4 pm	<b>Structural and Nonstructural Regulations Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>September 13, 2023</b> 10 am – 4 pm	<b>Technology and Research Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>September 20, 2023</b> 10 am – 4 pm	<b>Education and Outreach Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071

<b>DATE</b>	<b>MEETING</b>	<b>LOCATION</b>
<b>October 5, 2023</b> 10 am – 4 pm	<b>Energy Conservation and Management Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>October 11, 2023</b> 10 am – 4 pm	<b>Education and Outreach Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>October 17, 2023</b> 10 am – 4 pm	<b>Codes and Processes Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>October 26, 2023</b> 10 am – 4 pm	<b>Instrumentation Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 1901 Los Angeles, California 90071
<b>November 1, 2023</b> 10 am – 4 pm	<b>Education and Outreach Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071

DATE	MEETING	LOCATION
<b>November 7, 2023</b> 10 am – 4 pm	<b>Structural and Nonstructural Regulations Committee</b>	<b>HCAI Sacramento</b> 2020 West El Camino Ave, Ste. 930 Sacramento, CA 95833 <hr/> <b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>December 6, 2023</b> 10 am – 4 pm	<b>Two-day Full Board (Day 1)</b>	<b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071
<b>December 7, 2023</b> 9 am – 3 pm	<b>Two-day Full Board (Day 2)</b>	<b>HCAI Los Angeles</b> 355 S. Grand Ave, Ste. 2000 Los Angeles, California 90071

NOTE: Individuals with disabilities may request an accommodation or modification to observe or participate in the meetings by contacting Evett Torres at (916) 440-8453, [evett.torres@hcai.ca.gov](mailto:evett.torres@hcai.ca.gov) or by sending a letter to 2020 West El Camino Avenue, Suite 800, Sacramento, CA 95833. Providing your request at least five (5) business days before the meeting will help ensure availability of the requested accommodation

## 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	Deepak Dandekar	5/2015	5/2023	2 <sup>nd</sup> term
	Scott Mackey	8/2021	8/2025	1 <sup>st</sup> term
1 engineering geologist	Bruce Clark	12/2019	12/2023	1 <sup>st</sup> term
1 geotechnical engineer	Marshall Lew	5/2015	5/2023	2 <sup>nd</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	David Khorram	6/2019	6/2023	1 <sup>st</sup> term
1 general contractor	Cody Bartley	8/2022	8/2026	1 <sup>st</sup> term
1 fire/life safety representative	Scott L. Jackson	6/2018	6/2026	2 <sup>nd</sup> term
1 hospital inspector of record	VACANT			
3 public members	Michele Lampshire	12/2019	12/2023	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 (Acting)	
State Geologist	VACANT Jennifer Thornburg (Delegates)	
Building Standards Commission, Executive Director	Mia Marvelli	
Department of Public Health, Director	Tomás J. Aragón, M.D., Dr. P.H. Nathaniel Gilmore (Delegate)	
Office of Statewide Hospital Planning and Development, (OSHPD) Deputy Director	Chris Tokas	
<b>TOTAL</b>	<b>6</b>	

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

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

<b>TOTAL HBSB Members</b>	<b>24</b>	
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## 2023 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>John Donelan</b>          HCAI/ FDD          355 S. Grand Avenue, 19th Floor          Los Angeles, CA 90071  <b>(916) 284-2235</b>  <a href="mailto:John.Donelan@hcai.ca.gov">John.Donelan@hcai.ca.gov</a></p> <ul style="list-style-type: none"> <li>• Codes and Processes Committee</li> <li>• Education and Outreach 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@kpff-la.com">MHershberg@kpff-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>• Education and Outreach Committee</li> </ul>

## 2023 CONSULTING COMMITTEE MEMBERS

<p><b>Bruce A. Rainey, MHA</b>  Vice President, Healthcare  Global Solutions Director, Health Advisory  Jacobs  <b>(760) 212-2438 (cell)</b>  <ul style="list-style-type: none"> <li>• Education and Outreach Committee</li> </ul> </p>	<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>• 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>

**HOSPITAL BUILDING SAFETY BOARD  
2023 COMMITTEES**

**BOARD PROCEDURES COMMITTEE (AD HOC)**

<p><b><u>Committee Members:</u></b>  Michael Foulkes, Chair  Scott Jackson, Vice-Chair  Louise Belair  Gary Dunger</p>	<p><b><u>HCAI Representatives:</u></b>  Joe LaBrie  Carl Scheuerman  <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  Jim Malley, Vice-Chair  Cody Bartley  Louise Belair  Gary Dunger  John Griffiths  Scott Jackson  Michele Lampshire  Scott Mackey  Farzad Naeim</p> <p><b><u>Consulting Members:</u></b>  John Donelan  Mark Hershberg  Kelly Martinez  Belinda Young</p>	<p><b><u>HCAI Representatives:</u></b>  Brett Beekman  Larry Enright  Mike Hooper  Roy Lobo  Diana Navarro  Carl Scheuerman  Jamie Schnick  Nanci Timmins</p> <p><b><u>Meeting Dates:</u></b>  <del>February 7</del> CANCELED  May 9  August 1  October 17</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, Part 3, 4, and 5 <ul style="list-style-type: none"> <li>○ Identify code modifications to support Part 6 implementation of energy savings measures</li> </ul> </li> </ul>	

## **EDUCATION AND OUTREACH COMMITTEE**

<b><u>Committee Members:</u></b> Scott Mackey, Chair VACANT, Vice-Chair Cody Bartley Louise Belair Deepak Dandekar Gary Dunger Bert Hurlbut David Khorram	<b><u>HCAI Representatives:</u></b> Hussain Bhatia Monica Colosi Mike Hooper Jamie Schnick Nanci Timmins
<b><u>Consulting Members:</u></b> John Donelan Kelly Martinez Bruce Rainey Bill Zellmer	<b><u>Meeting Dates:</u></b> January 18 March 8 May 24 July 26 August 23 September 20 October 11 November 1
<b>Focus/Goals:</b> <ul style="list-style-type: none"><li>• Prepare for 2023 Seminar: Tips from The Experts</li><li>• Support the development of webinars</li><li>• Develop a regular curriculum and predictable calendar for webinars</li></ul>	

## **ENERGY CONSERVATION AND MANAGEMENT COMMITTEE**

<b><u>Committee Members:</u></b> Scott Jackson, Chair John Griffiths, Vice-Chair Louise Belair David Bliss Deepak Dandekar Gary Dunger Michael Foulkes David Khorram Michele Lampshire	<b><u>HCAI Representatives:</u></b> Larry Enright Carl Scheuerman Jamie Schnick Nanci Timmins
<b><u>Consulting Members:</u></b> Eric Johnson David Lockhart	<b><u>Meeting Dates:</u></b> March 16 June 22 October 5
<b>Focus/Goals:</b> <ul style="list-style-type: none"><li>• Work with CEC to develop mutually agreeable standards for hospital building energy efficiency in 2025 code cycle</li><li>• Identify HCAI research projects for energy conservation, reduction of carbon footprint, and cost savings while maintaining health and safety</li><li>• Identify how to collaborate with CMS for implementation Microgrid demonstration project</li><li>• Pursue indoor air quality at a lesser energy cost for healthcare</li><li>• Water usage in healthcare environments. Efficiency/Sustainability</li></ul>	

## **INSTRUMENTATION COMMITTEE**

<b><u>Committee Members:</u></b> Marshall Lew, Chair Bruce Clark, Vice-Chair Scott Jackson Jim Malley Farzad Naeim Jennifer Thornburg	<b><u>HCAI Representatives:</u></b> Hussain Bhatia Erol Kalkan Roy Lobo Ali Sumer
<b><u>Consulting Members:</u></b> Hamid Haddadi Moh Huang Tony Shakal	<b><u>Meeting Dates:</u></b> <del>February 16</del> CANCELED June 1 October 26
<b>Focus/Goals:</b> <ul style="list-style-type: none"><li>• Continue working with HCAI staff on scheduled instrumentation installations</li><li>• Consider other systems and monitoring devices</li><li>• Roll out white paper and identify areas for implementation</li><li>• Collaborate with CGS on prioritizing upgrades to existing instrumentation</li><li>• Work with EO Committee regarding webinar/seminar on instrumentation/white paper</li></ul>	

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

<b><u>Committee Members:</u></b> Jim Malley, Chair Farzad Naeim, Vice-Chair Cody Bartley Louise Belair Bruce Clark David Khorram Marshall Lew Jennifer Thornburg	<b><u>HCAI Representatives:</u></b> Mike Hooper Joe LaBrie Roy Lobo David Neou Carl Scheuerman Jamie Schnick Ali Sumer
<b><u>Consulting Member:</u></b> Mark Hershberg David Khorram	<b><u>Meeting Dates:</u></b> <del>January 24</del> CANCELED April 11 August 29 November 7
<b>Focus/Goals:</b> <ul style="list-style-type: none"><li>• Support HCAI with review of code changes (ongoing)</li><li>• Support HCAI with review of new/revised PINs, CANs, and OPDs (ongoing)</li><li>• Implementation of SPC-4D and NPC-4D</li><li>• Develop pre-approved details</li><li>• Seismic compliance issues related to NPC-3, NPC-4D, and NPC-5. Streamlining the process for compliance to meet the statutory and regulatory deadline.</li><li>• Review of Code amendments that are now obsolete as those issues have been addressed in model code</li><li>• Develop and implement procedures and enforceable building standards to ensure safe and sustainable healthcare facilities.</li><li>• Consider new products, materials and methods that would benefit the public by early adoption rather than waiting for their incorporation in the building code.</li></ul>	

### **Structural and Non-Structural Regulations Committee (cont'd)**

- Increase IOR competency, is adequate testing and inspection happening in the field? Roles and responsibilities of the design professional and HCAI.
- Implementation of small and rural hospital relief program, increase technical assistance and awareness
- Implementation of AB 1882 requirements. Reach out to stakeholders via seminars and webinars to raise awareness.

### **TECHNOLOGY AND RESEARCH COMMITTEE**

#### **Committee Members:**

Michael Foulkes, Chair  
Gary Dunger, Vice-Chair  
David Bliss  
Deepak Dandekar  
John Griffiths  
Bert Hurlbut  
Scott Jackson  
Scott Mackey  
Michael O'Connor

#### **Consulting Members:**

Benjamin Broder  
Eric Johnson  
Belinda Young

#### **HCAI Representatives:**

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

#### **Meeting Dates:**

April 26 CANCELED  
September 13

#### **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 20 – Sacramento and Los Angeles

August 17 – Sacramento

December 6 and 7 – Los Angeles