



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  
Evet 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.

- Reviewed current coordination effort with CDPH (California Department of Public Health), Clinic Advisory Committee (CAC) and California Association of Health Facilities (CAHF).

- Discussed updates to PIN 72 Emergency Work Authorization, and PIN 73 Treatment and Class 1 Imaging.

- **Topic 14: Structural Services Update**

- Structural Services Unit update
- Explanation of SB 395 grant program
- Overview of Structural Services Section responsibilities
- PIN 58 updated to require all applications for HCAI preapproved program to be done online.

- **Topic 15: Fire Prevention Unit Update**

- 2022 code changes have been submitted and are already in print.
- Review of Fire Prevention Unit various training activities participation in the industry.
- Review upcoming webinars
- Presentation of a list of committees that the unit participates in.

- **Topic 16: HBSB Chair and Vice-Chair Elections - Michael Foulkes / Michael O'Connor – Nominating Committee.** There was an appointment of Louise Belair for chair and Scott Jackson for vice-chair of the HBSB.

- **Topic 17:** There were no comments from the public/board members not on the agenda

- **Topic 18:** Louise Belair, Board Chair, adjourned the meeting on August 11, 2022, at approximately 3:25pm

**MOTION: [Belair/ Mackey]**

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

**Information and Action item**

- None

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 safe temperatures, availability of life-saving  
20 equipment, and 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.

1  
2 **MOTION: [O'Connor/Lew]**

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

5  
6 **10. Special Presentation: Healthcare Delivery Quadrangle**

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

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

10  
11 Mr. Bliss listed some of the regulators

- 12 • HIPAA
- 13 • Medical, nursing, and other state boards
- 14 • National accrediting bodies (Board Certification)
- 15 • DEA -Drug Enforcement Agency)
- 16 • NEC (National Electric Code) /NFPA (National Fire Protection Association)
- 17 • State agencies
- 18 • Emergency Medical Treatment and Labor Act (EMTALA)
- 19 • Tort
- 20 • Criminal prosecution
- 21 • City ordinances
- 22 • County regulations:
- 23 • Many others, including non-Governmental

24  
25 Dr. Bliss communicated that without the regulations there would be more preventable  
26 errors in hospitals.

27 Dr. Bliss briefed that payors could use:

- 28 • Cash
- 29 • Public – Medicare, Medicaid, special programs like CCS (California Children's  
30 Services.)
- 31 • HMO (Health Maintenance Organization) / HCO (Health Care Organization)
- 32 • Indemnity insurance

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

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

Dr. Bliss highlighted the upward pressure on cost:

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

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

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

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

## **Discussion and input**

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

## **Information and Action item**

- 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.

## 21 **Information and Action item**

- 22 • None.

## 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

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

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

Proposed meeting date for 2023

- February 7
- May 9
- August 1
- October 17

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

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

Proposed meeting dates for 2023:

- January 18
- March 8
- May 24
- July 26
- August 23
- September 20
- October 11
- November 1

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

- Work with CEC to develop a mutual agreeable standard for hospitals building energy efficiency in 2025 code cycle.
- Identify HCAI research projects for energy conservation, reduction of carbon footprint, and cost saving while maintain health and safety.
- Identify how to collaborate with CMS for implementation microgrid demonstration project.
- Pursue indoor air quality at a lesser energy cost for healthcare.
- 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.

- Implementation of AB1882 requirements.

Proposed meeting dates for 2023:

- January 24
- April 11
- August 29
- November 7

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

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

Proposed meeting dates for 2023:

- April 26
- September 13

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

- April 20
- August 17
- December 6-7

### **Discussion and input**

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

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



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.

#### 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

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.

## 16. Building Standards Unit Update

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

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

Mr. Tannahill talked about the HCAI/CDPH coordination:

- Title 22 Rewrite
- Water Rationing Plans
- Methods of Procedures Guidance
- Processes for survey discovery of unauthorized projects
- Functional Program Rewrite
- Dietary Functional Program/Guide – complete
- COVID Reset coordination and other emergency/disaster operations
- RSV coordination for Children’s Hospitals

HCAI/ CAC (Clinic Advisory Committee):

- Quarterly Meetings ongoing
- Looking at specific concerns of the clinic community
- Clinic Plan Review Checklist has been updated
- Outpatient Surgery Checklist added
- OSHPD 3 Clinic Webinars completed
- Clinic standards as compared to outpatient services of a hospital being reviewed

HCAI/ CAF (California Association of Health Facilities):

- Reinitiated quarterly meetings
- Worked with HCAI webinars planned
- Outreach

HCAI Share with AIA:

- AIA Central Valley Chapter
- AIA Pasadena Chapter

- AIA Orange County Chapter

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

- Working with OSHPD – TBD
- PIN 72 Emergency Work Authorization – January 5, 2023
- Integrated Review (PIN 50) – early 2023
- PIN 74 SNF Alternate Source of Power scheduled for December 2022 and January 2023
- Emergency Design Guide – TBD
- Construction Project Responsibilities – TBD

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

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

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

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

### **Discussion and input**

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

## 22 **Information and Action item**

- 23 • None.

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

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

### 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.

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.

7 **18.Fire Prevention Unit Update**

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

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

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.