

OSHPD Office of Statewide Health Planning and Development



Hospital Building Safety Board
 2020 West El Camino Avenue, Suite 800
 Sacramento, CA 95833
 (916) 440-8453
 (916) 324-9188 Fax
www.oshpd.ca.gov/Boards/HBSB/index.html

AMENDED

*** SPECIAL NOTICE ***

Because of the COVID-19 emergency, this meeting will only be held by teleconference. Board members and members of the public may fully participate from their own locations.

Appointed Members

Louise Belair, Chair
 David Bliss, Vice Chair
 Bruce Clark
 Deepak Dandekar
 Rami Elhassan
 Michael Foulkes
 Mike Hooper
 Scott L. Jackson
 David Khorram
 Pete Kreuser
 Michele Lampshire
 Marshall Lew
 Roy L. Lopez
 Bruce Macpherson
 Jim O. Malley
 Bruce Rainey

Director-Appointed Ex-Officio Members

Bert Hurlbut
 Michael O'Connor

NOTICE OF PUBLIC MEETING

HOSPITAL BUILDING SAFETY BOARD

Full Board Meeting

Date:

Wednesday, August 18, 2021
 9:00 a.m. – 3:00 p.m.

Teleconference Meeting Access:

[HBSB Virtual Full Board Meeting](#)

Access Code: 169-172-685

For more detailed instructions on how to join via GoToMeeting, see page 4.

Ex-Officio Members

Elizabeth Landsberg
 OSHPD Director

Mike Richwine
 State Fire Marshal

Steve Bohlen (Acting)
 State Geologist
 Tim McCrink (Delegate)
 Jennifer Thornburg (Delegate)

Mia Marvelli

Building Standards Commission
 Executive Director
 Michael Neaman (Delegate)

Tomás J. Aragón, M.D., Dr. P.H.
 Dept. of Public Health Director
 Nathaniel Gilmore (Delegate)

Chris Tokas (Acting)

Facilities Development Division
 (OSHPD)
 Deputy Director

Executive Director

Ken Yu

AGENDA

Item	Subject	Facilitator
1	Call to Order <ul style="list-style-type: none"> Welcome and introductions of HBSB members and OSHPD staff Suspension of Bagley-Keene Act requirements per Executive Order N-29-20 Conduct of Meeting 	Louise Belair, Board Chair (or designee)

Item	Subject	Facilitator	Pg
2	OSHDP Update <ul style="list-style-type: none"> • Swearing-in Ceremony for new HBSB members: <ul style="list-style-type: none"> ○ Scott Mackey, Architect Representative ○ Farzad Naeim, Structural Engineer Representative • Recognition of outgoing HBSB members: <ul style="list-style-type: none"> ○ Rami Elhassan, Structural Engineer Representative ○ Bruce Macpherson, Architect Representative • Acknowledgment of second-term appointments of: <ul style="list-style-type: none"> ○ Louise Belair, Mechanical Engineer Representative ○ Michael Foulkes, Public Member Representative • OSHDP Update • Discussion and public input 	Elizabeth Landsberg, OSHPD Director (or designee)	5
3	Overview and approval of the April 22, 2021 Full Board draft Meeting Report/Minutes <ul style="list-style-type: none"> • Discussion and public input 	Louise Belair, Board Chair (or designee)	7
4	Technology and Research Committee <ul style="list-style-type: none"> • Overview and approval of the April 29, 2021 draft Meeting Report/Minutes • Discussion and public input 	Bruce Rainey, Committee Chair (or designee)	15
5	Instrumentation Committee <ul style="list-style-type: none"> • Overview and approval of the May 20, 2021 draft Meeting Report/Minutes • Discussion and public input 	Marshall Lew, Committee Chair (or designee)	21
6	Energy Conservation and Management Committee <ul style="list-style-type: none"> • Overview and approval of the June 10, 2021 draft Meeting Report/Minutes • Discussion and public input 	Roy Lopez, Committee Chair (or designee)	27
7	Codes and Processes Committee <ul style="list-style-type: none"> • Overview and approval of the June 24, 2021 draft Meeting Report/Minutes • Discussion and public input 	Michael O'Connor, Committee Chair (or designee)	33
8	Education and Outreach Committee <ul style="list-style-type: none"> • Update on the July 14, 2021 meeting • Discussion and public input 	Mike Hooper, Committee Chair (or designee)	

Item	Subject	Facilitator
9	Inspection Services Unit Update <ul style="list-style-type: none"> • Inspection Services Unit to provide an update on accomplishments year-to-date • Discussion and public input 	Joe LaBrie, FDD Inspection Services Unit Supervisor (or designee)
10	Building Standards Unit Update <ul style="list-style-type: none"> • Building Standards Unit to provide an update on accomplishments year-to-date • Discussion and public input 	Richard Tannahill, Acting Deputy Division Chief (or designee)
11	Structural Services Section Update <ul style="list-style-type: none"> • Structural Services Section to provide an update on accomplishments year-to-date • Discussion and public input 	Roy Lobo, FDD Principal Structural Engineer (or designee)
12	Fire Prevention Unit Update <ul style="list-style-type: none"> • Fire Prevention Unit to provide an update on accomplishments year-to-date • Discussion and public input 	Nanci Timmins, FDD Chief Fire Life Safety Officer (or designee)
13	Electronic Services Update <ul style="list-style-type: none"> • Update on accomplishments year-to-date • Discussion and public input 	Diana Scaturro, FDD Supervisor (or designee)
14	FDD Update <ul style="list-style-type: none"> • Workload and performance • Personnel changes • Discussion and public input 	Chris Tokas, Acting FDD Deputy Director (or designee)
15	Comments from the Public/Board Members on issues not on this agenda The Board will receive comments from the Public/Board Members. Matters raised at this time may be taken under consideration for placement on a subsequent agenda.	Louise Belair, Board Chair (or designee)

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 60-minute lunch may be taken some time during the day. This agenda and other notices about meetings are posted on the Internet at <https://oshpd.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 at (916) 440-8453, at evett.torres@oshpd.ca.gov or sending a written request to HBSB Staff at 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.

Tentative schedule of future Full Board meetings:

- December 8 – 9, 2021

GoToMeeting Instructions

For best results, please use Google Chrome or Mozilla Firefox browsers to join meeting.

*** Members of the public are NOT required to identify themselves or provide other information to attend or participate in this meeting. If GoToMeeting requires a name, they may enter "Anonymous." They may also input fictitious information for other requested information if required to attend the meeting (e.g., anonymous@anonymous.com).

- Run a system check a few minutes before the meeting starts:
 - Click: <https://support.goto.com/meeting/system-check>
- To join the meeting from your computer, tablet, or smartphone:
 - Click: <https://www.gotomeet.me/FDDWebinar/hbsb-full-board-august-2021>
- To use your phone (instead of your computer's microphone and speakers):
 - Dial: +1 (646) 749-3122 (United States)
 - Enter Access Code: 169-172-685#
- If you have trouble being automatically launched into session:
 - Click: <https://www.gotomeeting.com/meeting/join-meeting>
 - Enter Access Code: 169-172-685

1. Call to Order

Facilitator: Louise Belair, Board Chair (or designee)

- Welcome and introductions of HBSB members and OSHPD staff
- Suspension of Bagley-Keene Open Meeting Act requirements per Executive Order N-29-20
- Conduct of Meeting

2. OSHPD Update

Facilitator: Elizabeth Landsberg, OSHPD Director (or designee)

- Swearing-in Ceremony for new HBSB members:
 - Scott Mackey, Architect Representative
 - Farzad Naeim, Structural Engineer Representative
- Recognition of outgoing HBSB members:
 - Rami Elhassan, Structural Engineer Representative
 - Bruce Macpherson, Architect Representative
- Acknowledgment of second-term appointments of:
 - Louise Belair, Mechanical Engineer Representative
 - Michael Foulkes, Public Member Representative
- OSHPD Update
- Discussion and public input

Architect Representative:

Scott K. Mackey has over 35 years of experience as a licensed architect, serving public and private sector clients in California and Arizona. His experience includes project management and coordination, code compliance, quality control, and specifications and standardization on a broad range of projects.

For the past 18 years, Mr. Mackey has focused on hospital facilities impacted by the SB 1953 seismic retrofit program. He has worked with OSHPD on a broad range of healthcare facility projects throughout the state, including replacement of the nearly century-old Barstow Community Hospital with a new, 82,000 square foot, 30-bed facility; consolidation and replacement of the Depression-era LAC + USC Medical Center with a new, 600-bed, 1.5 million square foot hospital; and over 100 on-going projects for Kaiser Permanente Medical Centers in Moreno Valley and Riverside, California.

Mr. Mackey has been a member of the American Institute of Architects (AIA) since 1993. In recognition of his knowledge of all aspects of healthcare facility design and leadership in this field, Mr. Mackey was appointed co-chairperson of the AIA California Healthcare Facilities Forum in 2017.

Structural Engineer Representative:

Farzad Naeim, SE, is a licensed structural engineer with over 36 years of experience in structural analysis, research and development, and seismic retrofit design of buildings. He is president of Farzad Naeim, Inc., CEO of Mehrain Naeim International, and Adjunct Professor of Engineering at the University of California, Irvine.

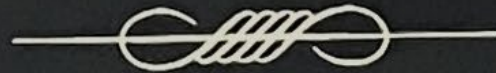
Dr. Naeim has extensive experience in the design, peer review, and plan-check of numerous hospital buildings for OSHPD. He has worked extensively with the City of Los Angeles to develop regulations for the design and construction of very tall buildings, resulting in significant seismic safety improvements in Los Angeles and other major cities.

Dr. Naeim is a past president of the Earthquake Engineering Research Institute and the Los Angeles Tall Buildings Structural Design Council. He is a past director of the Structural Engineering Association and a current member of the Advisory Council of the Southern California Earthquake Center. In addition, Dr. Naeim has published five textbooks, more than 160 peer-reviewed papers, and has developed 45 different software systems for earthquake engineering design and education.



Presented to

Rami Elhassan



Structural Engineer Member
2013 – 2021

Hospital Building Safety Board



Presented to

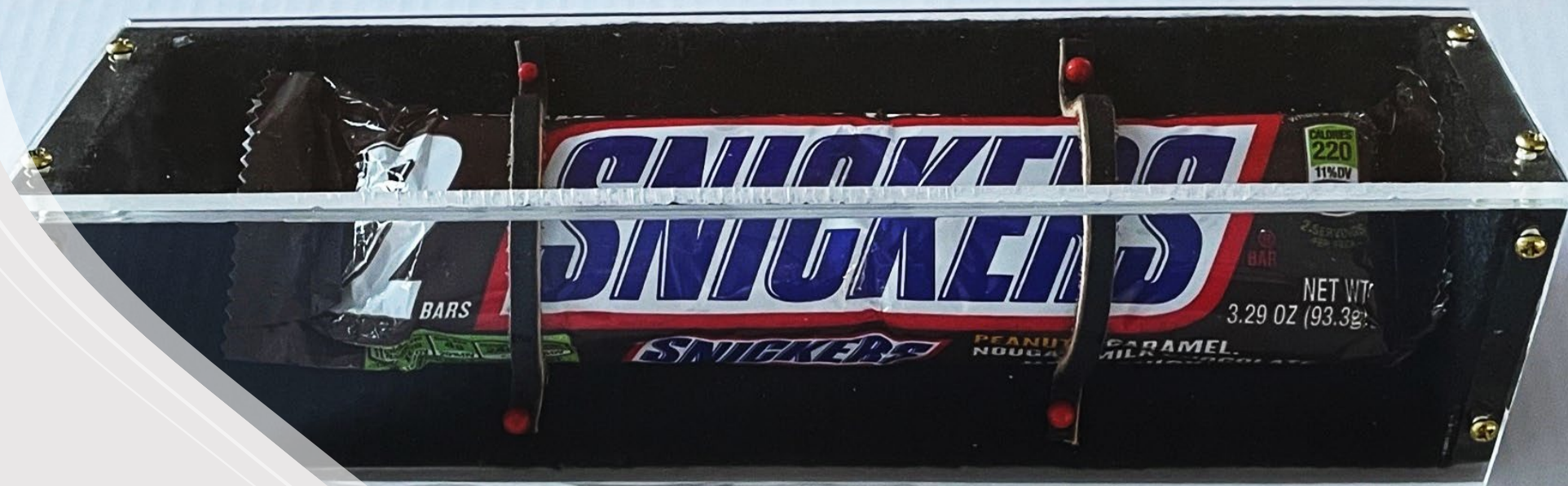
Bruce Macpherson



Architect Member
2013 - 2021

Hospital Building Safety Board

In case of emergency,
"Bruce"
Just break it!



3. Overview and approval of the April 22, 2021 Full Board draft Meeting Report/Minutes

Facilitator: Louise Belair, Board Chair (or designee)

- Discussion and public input

Hospital Building Safety Board

by

Louise Belair, BOARD CHAIR and David Bliss, BOARD VICE CHAIR

BOARD MEMBERS:

Bruce Clark, Deepak Dandekar, Rami Elhassan, Michael Foulkes, Mike Hooper,
Scott L. Jackson, David Khorram, Pete Kreuser, Michele Lampshire, Marshall Lew, Roy L. Lopez,
Bruce Macpherson, James Malley, Bruce Rainey

DIRECTOR APPOINTED EX-OFFICIO MEMBERS:

Bert Hurlbut, Michael O'Connor

OSHPD STAFF:

Elizabeth Landsberg, OSHPD Director; Paul Coleman, FDD Deputy Director; Hussain Bhatia; Bill Gow; Joe La Brie;
Roy Lobo; Dave Mason; Carl Scheuerman; Jamie Schnick; Ali Sumer; Richard Tannahill; Nanci Timmins; Chris Tokas;
James Yi, OSHPD Legal Counsel

HBSB STAFF:

Ken Yu, HBSB Executive Director, Joanne Jolls, Evett Torres

MEETING REPORT:

- Meeting Date: 4/22/2021

Meeting Date: 4/22/2021

OVERVIEW OF TOPICS

- Topic 1: Welcome & Introductions
 - David Bliss, Board Vice-Chair called the meeting to order.
- Topic 2: OSHPD Update – Elizabeth Landsberg, OSHPD Director
 - Elizabeth introduced herself and gave an overview of her background.
 - Program Updates:
 - Continued support by OSHPD to State of California response to COVID-19.
 - State Budget:
 - Described Governor Newsom’s proposed new office called the Office of Healthcare Affordability to be housed at OSHPD.
 - Described OSHPD’s new name to be Department of Healthcare Access and Information (HCAI).
 - OSHPD staff continue telework except field staff.

Meeting Date: 4/22/2021

OVERVIEW OF TOPICS

- Topic 3: Overview and Approval of December 10, 2020 Full Board draft Meeting Report/Minutes
– David Bliss, Board Vice-Chair
- Topic 4: Administrative Processes, Code Changes and Standard Details Committee – Michael O’Connor, Committee Chair
 - January 14, 2021 and March 11, 2021 Meeting Reports
- Topic 5: Energy Conservation and Management Committee – Roy Lopez, Committee Chair
 - January 21, 2021 Meeting Report
 - OSHPD confirmed that Microgrid Whitepaper applies to healthcare facilities and skilled nursing facilities as well. Whitepaper is a great accomplishment and will be used by OSHPD and other national organizations.

Meeting Date: 4/22/2021

OVERVIEW OF TOPICS

- Topic 6: Structural & Non-Structural Regulations Committee – Rami Elhassan, Committee Chair
 - January 27, 2021 and March 24, 2021 Meeting Reports
- Topic 7: Technology Committee – Bruce Rainey, Committee Chair
 - February 4, 2021 Meeting Report
 - Discussion about PoE & Cybersecurity. Topics will be discussed at next committee meeting.
 - OSHPD is exploring PoE to emergency lighting and a guide will be developed.
- Topic 8: Education and Outreach Committee – Mike Hooper, Committee Chair
 - February 10, 2021 Meeting Report
 - Action item to reach out to California Energy Commission (CEC) and Electric Program Investment Charge (EPIC) program for education opportunity about microgrids and other emerging technologies.

Meeting Date: 4/22/2021

OVERVIEW OF TOPICS

- Topic 9: Inspection Services Unit Update – Joe LaBrie, FDD Inspection Services Unit Supervisor
 - Update of accomplishments year-to-date were reviewed.
 - Reminder about IOR Training available online.
- Topic 10: Building Standard Unit Update - Richard Tannahill, FDD Building Standards Unit Supervisor
 - Update of accomplishments year-to-date were reviewed.
- Topic 11: Structural Services Section Update – Roy Lobo, FDD Principal Structural Engineer
 - Update of accomplishments year-to-date were reviewed.

Meeting Date: 4/22/2021

OVERVIEW OF TOPICS

- Topic 12: Fire Prevention Unit Update – Nanci Timmins, FDD Chief Fire Life Safety Officer
 - Update of accomplishments year-to-date were reviewed.
- Topic 13/14: Electronic Services & FDD Update - Chris Tokas, FDD Deputy Division Chief
 - Workload and performance were reviewed.
 - Personnel changes presented
- Topic 15: Comments from the Public and Board Members on issues not on this agenda – David Bliss, Board Vice-Chair
 - None
- Topic 16: Meeting was adjourned @ 1:24pm.

Meeting Date: 4/22/2021

OVERVIEW OF MOTIONS

- Motion 1: The Board voted to accept the December 10, 2020 Full Board draft Meeting Report/Minutes as presented.
- Motion 2: The Board voted to accept January 14, 2021 Codes and Processes Committee draft Meeting Reports/Minutes as presented.
- Motion 3: The Board voted to accept March 11, 2021 Codes and Processes Committee draft Meeting Reports/Minutes as presented.
- Motion 4: The Board voted to accept the January 21, 2021 Energy Conservation and Management Committee draft Report/Minutes as presented.

Meeting Date: 4/22/2021

OVERVIEW OF MOTIONS

- Motion 5: The Board voted to accept the January 27, 2021 and March 24, 2021 Structural and Nonstructural Committee Report/Minutes as presented.
- Motion 6: The Board voted to accept the February 4, 2021 Technology Committee draft Meeting Report/Minutes as presented.
- Motion 7: The Board voted to accept the February 10, 2021 Education and Outreach draft meeting Report/Minutes as presented.

NEXT STEPS:

- Next Step 1: Education and Outreach Committee to reach out to CEC and EPIC for educational opportunities.
- Next Step 2: FPU to explore Discord and Spatial apps.

Meeting Date: 4/22/2021

CONCLUSION

- Questions and Answers
- This report constitutes a MOTION to the BOARD and must be SECONDED by a Board Member for further ACTION.

CONCLUSION / DISCUSSION / Q&A

4. Technology Committee

Facilitator: Bruce Rainey, Committee Chair (or designee)

- Overview and approval of the April 29, 2021 draft Meeting Report/Minutes
- Discussion and public input

Technology and Research Committee

by

BRUCE RAINEY, COMMITTEE CHAIR
MICHAEL FOULKES, VICE CHAIR

COMMITTEE MEMBERS:

David Bliss
Deepak Dandekar
Bert Hurlbut
Roy Lopez;
Bruce Macpherson
Michael O'Connor

CONSULTING MEMBERS:

Benjamin Broder
Gary Dunger
Eric Johnson

OSHPD STAFF:

Paul Coleman, FDD Deputy Director
Chris Tokas, FDD Deputy Division Chief
Hussain Bhatia
Joe LaBrie
Diana Scaturro
Carl Scheuerman
Jamie Schnick
Richard Tannahill
Nanci Timmins
James Yi, OSHPD Legal Council

HBSB STAFF:

Ken Yu, Executive Director
Joanne Jolls
Evet Torres

MEETING REPORTS:

- Meeting Date: 04/29/2021

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 1: Nurse Call Demonstration Project
- Topic 2: Microgrids in Healthcare
- Topic 3: Power Over Ethernet (PoE) Lighting Solutions
- Topic 4: Wireless Coverage In Stairwells and Elevators
- Topic 5: Mission Critical Technologies

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 1: Nurse Call Demonstration Project
 - FGI trending away from UL1069 requirements
 - Discussion on parallel system Proof-of-Concept project

NEXT STEPS:

- OSHPD indicated they will explore opportunity for pilot program utilizing research project funds

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 2: Microgrids in Healthcare
 - Distinction between normal and emergency power
 - Parallels the grid, acts as initial power source in case of grid failure ahead of emergency generators
 - Prototype system being built with CEC grant funding

NEXT STEPS:

- CEC technical advisory committee being formed
 - Interested parties contact Evett Torres

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 3: Power Over Ethernet (PoE) Lighting Solutions
 - Discussion of code issues with implementation
 - Various codes have constraints/conflicts
 - Mechanical protection is but one issue
 - Separation of life safety, critical, and normal power
 - Code Making Panel 13 and 15 requesting public comment on conflicts in July 2021

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 3: Power Over Ethernet (PoE) Lighting Solutions (continued)
 - Future code changes identified that may clarify intent
 - Potential for many types of devices to utilize PoE in a single system

NEXT STEPS:

- OSHPD (Bill Gow) working on amendment to 2022 CEC to allow PoE wiring without mechanical protection
 - Public review period begins May 14, 2021

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 4: Wireless Coverage In Stairwells and Elevators
 - Discussion of issues around maintaining connectivity in stairwells and elevators for clinical teams
 - Equipment in stairwells that do not service the stairwell not allowed
 - Discussion around traffic segregation techniques to improve data integrity

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 4: Wireless Coverage In Stairwells and Elevators (continued)
 - NEC has accepted a proposal to add Class 2 wiring to elevator traveling cables

NEXT STEPS:

- OSHPD will explore installation of wireless devices in elevators and stairwells

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 5: Mission Critical Technologies
 - Defining “mission-critical” is problematic
 - New technologies becoming mission critical through operations
 - Risks with off-premises data processing and storage
 - Multiple diverse paths of connectivity necessary

Meeting Date: 04/29/2021

OVERVIEW OF TOPICS

- Topic 5: Mission Critical Technologies (continued)
 - Diversity vs. redundancy discussed

NEXT STEPS:

- OSHPD will connect with Scripps Health for further discussion on their processes and solutions

Meeting Date: 04/29/2021

OVERVIEW OF MOTIONS

- No motions were required

Meeting Date: 04/29/2021

CONCLUSION

- Questions and Answers
- This report constitutes a MOTION to the BOARD and must be SECONDED by a Board Member that does not serve on the Committee for further ACTION.

CONCLUSION / DISCUSSION / Q&A

5. Instrumentation Committee

Facilitator: Marshall Lew, Committee Chair (or designee)

- Overview and approval of the May 20, 2021 draft Meeting Report/Minutes
- Discussion and public input

Instrumentation Committee

by

MARSHALL LEW, CHAIR
BRUCE CLARK, VICE CHAIR

COMMITTEE MEMBERS:

RAMI ELHASSAN
JIM MALLEY
TIM McCRINK

CONSULTING MEMBER:

HAMID HADDADI

OSHPD STAFF:

PAUL COLEMAN, CHRIS TOKAS, HUSSAIN BHATIA, EROL KALKAN,
ROY LOBO, CARL SCHEUERMAN, ALI SUMER, RICHARD TANNAHILL,
JAMES YI

MEETING REPORTS:

- Meeting Date: 05/20/2021

Meeting Date: 05/20/2021

OVERVIEW OF TOPICS

- OSHPD briefing regarding the California Strong Motion Instrumentation Program (CSMIP) by Erol Kalkan, OSHPD
- Discussion on Goals for Hospital Instrumentation

Meeting Date: 05/20/2021

Overview of CSMIP Program and OSHPD Instrumentation – Erol Kalkan

- Review of selection criteria for HBSB building instrumentation (existing hospitals) – goal is one per year
 - Proximity to faults capable of $M > 6.5$ & sites with high probability of seismic events, non-standard structural systems, pounding probability with adjacent buildings, building irregularities, tall interstory heights, seismic retrofits (VSI & HAZUS/SPC-4D), buildings on soft soil, lack of instrumented buildings in the geographical area.
- Long Beach – Miller Children’s Hospital in permitting stage

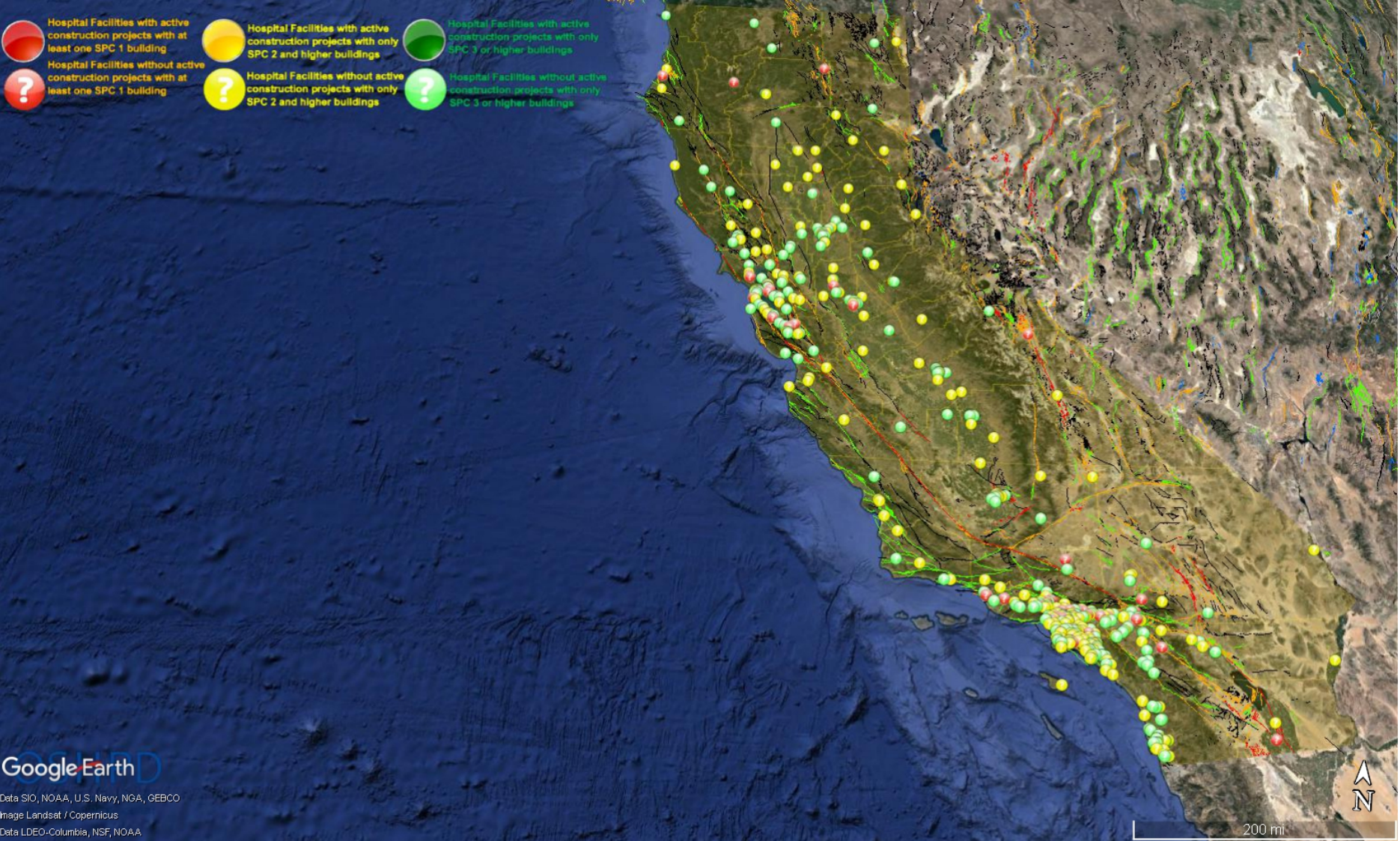
Meeting Date: 05/20/2021

Overview of CSMIP Program and OSHPD Instrumentation – Erol Kalkan

- Owner-Paid Instrumentation (required by CBC)
 - New Hospital buildings
 - Buildings approved by Alternate Means of Compliance (AMC) for lateral force resisting system, seismic isolation and damping systems.
- FY 2020-2021 and beyond
 - Greenbrae – Marin General Hospital (completed)
 - Downey – Kaiser Med Center Tower expansion (completed)
 - Loma Linda – Loma Linda University Med Center (in progress)
 - Los Angeles – Hollywood Presbyterian Med Center (in progress)
 - Marina Del Rey – Cedars-Sinai Med Center Replacement (in progress)
 - San Bernardino – St. Bernadine Hospital (Central Tower) (in progress) [AMC]

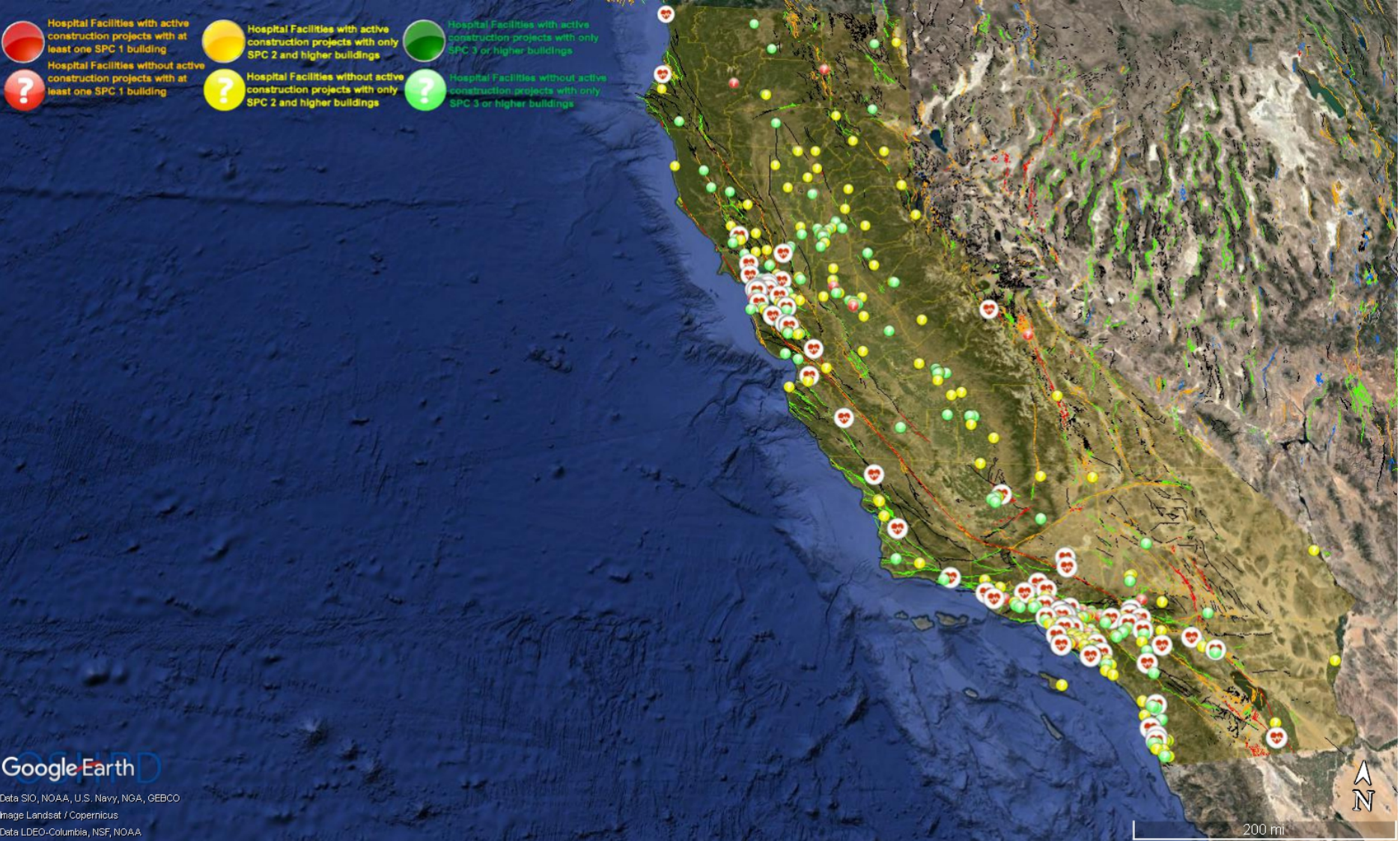
Hospitals

Most buildings are close to active faults and are in regions of high or very high seismic hazard.



Hospitals

88 hospitals instrumented.



Meeting Date: 05/20/2021

Overview of CSMIP Program and OSHPD Instrumentation – Erol Kalkan

- Committee Recommendations
 - Explore sites that have poor soils and within liquefaction hazard zones.
 - Overlay the hospital locations onto the CGS Seismic Hazard Maps.
 - Identify hospitals within areas subject to Tsunami inundation (CGS to provide OSHPD with higher resolution maps).
 - OSHPD to investigate replacement of obsolete recording equipment and sensors.
 - OSHPD to prepare future discussion on recording systems.

Meeting Date: 05/20/2021

Discussion on Goals for Hospital Instrumentation

- Utilization of strong motion instrumentation records.
- Adoption of other recording technologies.
- Value of real-time applications.
- Should all hospital buildings be required to be instrumented?
- Development of a white paper that enumerate the benefits of instrumentation to hospital owners.

Meeting Date: 05/20/21

OVERVIEW OF MOTIONS

- No motions were made.

NEXT STEPS:

- Develop outline of the White Paper
- Assign authors to various sections
- Develop draft of White Paper
- Solicit comments on draft
- Finalize White Paper

Meeting Date: 05/20/2021

CONCLUSION

- Questions and Answers
- This report constitutes a MOTION to the BOARD and must be SECONDED by a Board Member that does not serve on the Committee for further ACTION.

CONCLUSION / DISCUSSION / Q&A

6. Energy Conservation and Management Committee Facilitator:
Roy Lopez, Committee Chair (or designee)

- Overview and approval of the June 10, 2021 draft Meeting Report/Minutes
- Discussion and public input

Energy Conservation and Management

by
Roy Lopez, Chair
Scott Jackson, Vice-Chair

COMMITTEE MEMBERS:

Louise Belair
David Bliss
Deepak Dandekar
Michael Foulkes
Bruce Rainey

CONSULTING MEMBERS:

John Griffiths
David Lockhart

OSHPD STAFF:

Paul Coleman
Chris Tokas
Scott Christman
Chris Dickey
Bill Gow
Dave Mason
Diana Scaturro
Carl Scheuerman
Jamie Schnick Richard
Tannahill Nanci
Timmins
James Yi

PRESENTER:

Todd Price, Enchanted Rock
Allan Schurr, Enchanted Rock

HBSB STAFF:

Veronika Yuke
Joanne Jolls
Evetts Torres

MEETING REPORTS:

- Meeting Date: 06/10/2021

Meeting Date: 06/10/2021

OVERVIEW OF TOPICS

- Enchanted Rock Turnkey Microgrid Systems
- Microgrid as an emergency power source – challenges
- “Microgrids on the Move” Virtual Tour – Postponed indefinitely

Meeting Date: 06/10/2021

OVERVIEW OF MOTIONS

- None

Meeting Date: 6/10/2021

CONCLUSION

- Questions and Answers
- This report constitutes a MOTION to the BOARD and must be SECONDED by a Board Member that does not serve on the Committee for further ACTION.

NEXT STEPS:

- OSHPD staff to follow up with CEC regarding fan power and filtration for healthcare facilities in event of natural disaster (wildfires)
- OSHPD continues to consult with CMS regarding White Paper implementation
- OSHPD continues to review and determine next steps to be taken to implement Microgrid White Paper suggestions and recommendations in healthcare facilities.
White Paper to be standing agenda item for updates & progress
- Review of ECM during COVID-19 pandemic
- Long-term energy profiles for healthcare facilities

CONCLUSION / DISCUSSION / Q&A

7. Codes and Processes Committee

Facilitator: Michael O'Connor, Committee Chair (or designee)

- Overview and approval of the June 24, 2021 draft Meeting Report/Minutes
- Discussion and public input

Codes and Processes Committee

by

MICHAEL O'CONNOR, CHAIR

ROY LOPEZ, CHAIR

COMMITTEE MEMBERS:

LOUISE BELAIR
SCOTT JACKSON
BRUCE MACPHERSON
JIM MALLEY
JOHN DONELAN
GARY DUNGER
MARK HERSHBERG
CHRIS TOKAS
BRETT BEEKMAN
BILL GOW

ROY LOBO
DAVE MASON
DIANA NAVARRO
DIANA SCATURRO
CARL SCHEUERMAN
RICHARD TANNAHILL
NANCI TIMMINS
JAMES YI
VERONICA YUKE
EVETT TORRES

MEETING REPORTS:

- Meeting Date: 06/24/2021

Topics:

1. California Building Standards Code Revision Cycle for 2022
2. Emergency Design Task Force
3. OSHPD Preapproved Details (OPD)

Meeting Date: 06/24/2021

OVERVIEW OF TOPICS

Topic 1 - California Building Standards Code Revision Cycle for 2022

(Facilitator Richard Tannahill)

- Part 1, California Administrative Code
- Part 2, California Building Code, Volume 1 and 2
- Part 10, California Existing Building Code

Meeting Date: 06/24/2021

OVERVIEW OF TOPICS

Topic 1 - California Building Standards Code Revision Cycle for 2022

7-129. Time Limitations.

(d) If the work of construction is suspended or abandoned for any reason for a period of one year following its commencement, the Office's approval shall become void. Prior to the approval becoming void, the applicant may apply for one extension of up to one year. The Office may require that the construction documents be revised to meet current regulations before granting an extension. The extensions must be requested in writing and justifiable cause demonstrated. For the purpose of building permit time limitation a project shall be considered abandoned when the work of construction, if any, performed during any twelve-month period does not result in a minimum of ten percent increase in the overall percentage of construction work for the project based on either its scope or cost and no extension for time has been approved by the office.

Meeting Date: 06/24/2021

OVERVIEW OF TOPICS

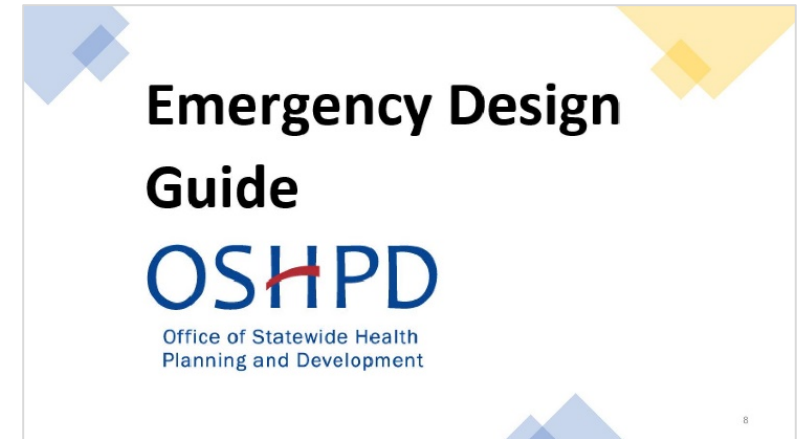
Topic 2 - Emergency Design Task Force Update

(Facilitators Chris Tokas & Richard Tannahill)

- Update from Emergency Design Task Force to address the approach to design and regulatory concerns during emergency events

Meeting Date: 06/24/2021

OVERVIEW OF TOPICS



Topic 2 - Emergency Design Task Force Update

- Task Force is developing an emergency design guide.
 - Emergency Patient Room Ventilation Conversion
 - Emergency Operations Planning to Accommodate
 - Surge Capacity
 - Spaces that can be split into multiple zones
 - Changes of outside air percentage during wildfires due to smoke
 - How to better expedite Emergency projects.
 - Coordination with other jurisdictions for Temporary Surge Facilities and Alternate Care Sites
 - Case studies

Meeting Date: 06/24/2021

OVERVIEW OF TOPICS

Topic 3 - OSHPD Preapproved Details (OPD)

- Discussion and review of candidate details for OPD program

Meeting Date: 06/24/2021

OVERVIEW OF TOPICS

Topic 3 - OSHPD Preapproved Details (OPD)

Potential Details:

- Draft OPDs for recurring engineering judgement issues
- Low Voltage / I.T.
- Structural Equipment Anchorage
- Draft and provide usable details to Design Professionals designing SNFs
- Explore a Standard Detail for how an emergency generator can be connected quickly to a facility
- Wood framing details (non-primary structure)
- Mobile equipment (Tethered and untethered)

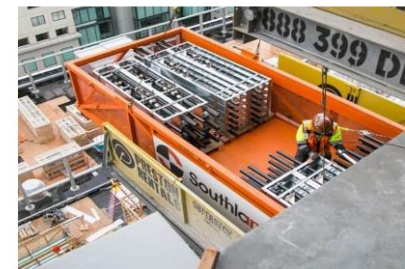
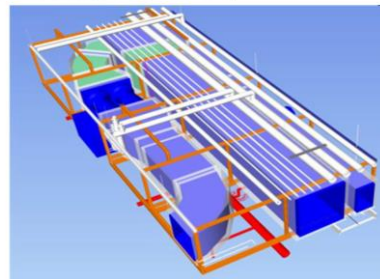
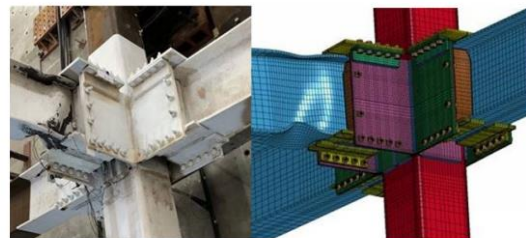
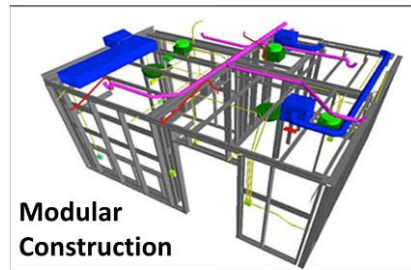
Meeting Date: 06/24/2021

OVERVIEW OF TOPICS

Topic 3 - OSHPD Preapproved Details (OPD) (Facilitator: Chris Tokas)

OSHPD Pre-Manufactured Project and System Approval (OPPSA) Program

Preapproval of Prefabricated Components and Systems (OPCS)



Meeting Date: 06/24/2021

OVERVIEW OF MOTIONS

- **Motion 1** - The Committee voted to endorse the proposed amendments to the California Building Standards and forward the amendments to the full Board for adoption.

NEXT STEPS:

- Conduct community outreach and request proposals for pre-approved details.
 - Collect them and have the Committee review and refine them.
- Explore OPDs for:
 - Wood framing details including door frames, reconfigurations for new opens, and anchorage.
 - Moveable or mobile equipment that is tethered and untethered.
 - Engineering judgements.
 - Shaft and horizontal use of shaft walls.
- OSHPD to bring forward the OPPSA program for the Committee to provide feedback.
 - If any prefabricators are interested in looking for a preapproval, they should contact OSHPD.
- Email any suggested preapprovals to the HBSB email – community members and Committee Members.

Meeting Date: 06/24/2021

CONCLUSION

- Questions and Answers
- This report constitutes a MOTION to the BOARD and must be SECONDED by a Board Member that does not serve on the Committee for further ACTION.

CONCLUSION / DISCUSSION / Q&A

8. Education and Outreach Committee

Facilitator: Mike Hooper, Committee Chair (or designee)

- Update on the July 14, 2021 meeting
- Discussion and public input

Education and Outreach Committee

by

Mike Hooper, CHAIR
Pete Kreuser, VICE CHAIR

COMMITTEE MEMBERS:

Louise Belair
Bruce Rainey
Deepak Dandekar
David Khorram
Bruce Macpherson
Bert Hurlbut

COMMITTEE CONSULTING MEMBERS:

John Donelan
Bill Zellmer
Gary Dunger

OSHPD Representatives:

Husain Bhatia
Monica Colosi
Cesar Ponce
Mickey Fong
Bill Gow
Richard Tannahill
Nanci Timmins
Joe LaBrie
Diana Scaturro

COMMITTEE MEETINGS

❖ **July 14, 2021**

Meeting Up-Date: **July 14, 2021**

OVERVIEW OF TOPICS

- ❖ **FDD Educational Webinar Update by Richard Tannahill, OSHPD**
- ❖ **Reviewed a select list of suggested educational topics received from the public.**
- ❖ **Planning and development of selected webinar topics.**

Educational Topics:

Building Standards Unit: Technical Lead: Richard Tannahill

- **Accessibility in Healthcare**
 - Volunteers: Bruce MacPherson and Bill Zellmer
- **Calif. Administrative Code and OSHPD**
 - Volunteer: Bruce MacPherson
- **Emergency Design Task Force and Guide**
 - Volunteers: Louise Belair and Pete Kreuser
- **OSHPD 3**
 - Volunteers: Louise Belair and Bruce MacPherson
- **PIN 50 – Integrated Review**
 - Volunteer: Pete Kreuser

Educational Topics continued:

Fire Prevention Unit (FPU): Technical Lead: Nanci Timmins

- **FPU Topics**
 - Volunteers: John Donelan and Gary Dunger

Inspection Services Unit (ISU) Technical Lead: Joe LaBrie

- **Emergency Projects and Field Observed Conditions**
 - Volunteer: Pete Kreuser
- **OSHDP Field Visit Requirements**
 - Volunteer: Mike Hooper
- **Owner, IOR, DPOR, GC, LAB: Personal Knowledge, Duties, and Responsibilities During Construction**
 - Volunteer: Louise Belair

Educational Topics continued:

Structural Services Unit: Technical Lead: Roy Lobo

- **OSHPD Special Seismic Certification Preapproval (OSP) Presentations**
 - Volunteers: Louise Blair and Bert Hurlbut

DISCUSSION / Q&A

9. Inspection Services Unit Update

Facilitator: Joe LaBrie FDD Inspection Services Unit Supervisor (or designee)

- Inspection Services Unit to provide an update on accomplishments year-to-date
- Discussion and public input

HOSPITAL BUILDING SAFETY BOARD Full Board Meeting

Date:
August 18, 2021

Inspection Services Unit (ISU)
Update Since Last HBSB Meeting on April 22, 2021



ISU Update

1. Tip of the Day
2. Field Brief Advice
3. HICE Plan Reading Practice
4. HICE Training
5. IOR Webinars
6. Recertification Exams
7. HICE Exam



TASK	DATE
Tip of the Day: 8 weeks with 2 per week.	5/18/21
Tip of the Day #1 Chandler Issue: DSI's OPMs mixing and matching and changing	5/18/21
Tip of the Day #2 Fong Issue: OILs list---The eSP OIL List has been limited to Plan Review (Office or Field) AWC's	5/20/21
Tip of the Day #3 EXP ANCHORS	5/25/21
Tip of the Day #4 ACDs, manufacturing and planning ahead	5/27/21
Tip of the Day #5 Inspection Services Unit (ISU). Positions available in Southern and Northern	5/28/21
Tip of the Day #6 Inactive/Suspended/Delayed Projects. What does that all mean?	6/1/21
Tip of the Day #7 Owner's QA Responsibilities	6/2/21
Tip of the Day #8 Seismic Certification for Equipment	6/3/21
Tip of the Day #9 IOR Certification	6/8/21
Tip of the Day #10 IOR Application Process	6/10/21
Tip of the Day #11 Delegate and Alternate Responsibilities	6/15/21
Tip of the Day #12 Special Inspector Credential	6/17/21
Tip of the Day #13 OIL list, How Many?	6/22/21
Tip of the Day #14 Code Minimums vs Approved Plans	6/24/21
Tip of the Day #15 EJ and what to pay attention to	6/29/21
Tip of the Day #16 Shot Pin	7/1/21
Tip of the Day #17 URGENT Qualification Special Inspector and Post Install Anchors	7/6/21
Tip of the Day #18 Class C IORs	7/8/21
FBA10: 8 weeks with 1 per week.	4/21/21
Topic #1: VCR form and application	4/21/21
Topic #2: Inspector to inspect to pass	4/28/21
Topic #3:TIO/Test and Inspection: how to fill up the form	5/19/21
Topic #4: DPOR/IOR TIO responsibilities	5/26/21
Topic #5: IOR notices for 7-145(a)5	6/2/21
Topic #6: DPOR Responsibilities	6/9/21
Topic #7: Electrical Equipment Clearance	6/16/21
Topic #8: Construction Containments, Fire Alarm, Fire & Smoke dampers testing...	6/23/21
Present 5 part series for IOR Training	8/25/21
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LA HICE	11/8/21
LA HICE Retake	11/15/21
DPOR Responsibilities Webinar 90 minutes	10/27/21



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Plan Reading Part 2 Str	7/15/21



INSPECTION SERVICES UNIT
Office of Statewide Health Planning and Development
Facilities Development Division

OSHPD's FIELD TIP OF THE DAY Authored By: Joe LaBrie
OSHPD ISU RCO

Subject: TIP OF THE DAY

Construction Matters:
In March 2006 the California Healthcare Foundation published the "Best Practices for Project Management, Design, and Construction of Buildings Under OSHPD Jurisdiction." It was developed in conjunction with the California Hospital Association (CHA), the California Society for Healthcare Engineers (CSHE), OSHPD, and many others. In 2013 the Hospital Building Safety Board (HBSB), comprised of experts from all aspects of the hospital construction industry, in conjunction with the OSHPD, updated the Best Practices Manual and reissued it as the "Guide for Working on Projects Under OSHPD Jurisdiction - Tips From the Experts." [Link to "Tips from the Experts"](#)



Today's Tip:
Starting this week, OSHPD's Inspection Services Unit (ISU) working in conjunction with Regional Compliance Officers (RCO), Compliance Officers (CO), Fire & Life Safety Officers (FISO), and District Structural Engineers (DSE), will be sending to all interested parties a "Tip of the Day" that is referenced back to this guide and modified for today's conditions. For eight weeks "Tips" will be sent featuring topics specifically targeting field issues.

The Big Idea:
For projects to have the most desirable outcomes, everyone within project teams must take responsibility for their own personal growth through continuous learning. To sign up to receive the "Tips of the Day", Go to: [OSHPD- ISU: Tip of the Day: Sign Up](#)

TASK	DATE
Tip of the Day: 8 weeks with 2 per week. Total 16 tips needed.	5/18/21
Tip of the Day #1 Chandler Issue: DSI's OPMs mixing and matching and changing	5/18/21
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Tip of the Day #17 URGENT Qualification Special Inspector and Post Install Anchors	7/6/21
Tip of the Day #18 Class C IORs	7/8/21

FBA10s

(weekly) Interaction: Live Q&A

Topic #1: VCR form and application	Joe LaBrie	4/21/21
Topic #2: Inspector to inspect to pass	Bert Hurlbut	4/28/21
Topic #3: TIO/Test and Inspection: how to fill up the form	Cesar Ponce	5/19/21
Topic #4: DPOR/IOR TIO responsibilities	Monica Colosi	5/26/21
Topic #5: IOR notices for 7-145(a)5	Brian Coppock	6/02/21
Topic #6: DPOR Responsibilities	Joe LaBrie/Monica Colosi	6/09/21
Topic #7: Electrical Equipment Clearance	Michael Marrs	6/16/21
Topic #8: Construction Containments, Fire Alarm, Fire & Smoke dampers testing...	Nanci Timmins	6/23/21



TASK	DATE
Tip of the Day: 8 weeks with 2 per week.	5/18/21
Tip of the Day #1 (Chandler Issue: DSI's OPMs mixing and matching and changing	5/18/21
Tip of the Day #2 (for Field) AWC's	
Tip of the Day #3	
Tip of the Day #4	
Tip of the Day #5	
Tip of the Day #6	
Tip of the Day #7	
Tip of the Day #8	
Tip of the Day #9	
Tip of the Day #10	
Tip of the Day #11	
Tip of the Day #12	
Tip of the Day #13	
Tip of the Day #14	
Tip of the Day #15	
Tip of the Day #16	
Tip of the Day #17	
Tip of the Day #18 Class C IORs	7/8/21

IOR Webinar-5 Sessions

- Session 1- Introduction
- Session 2- How to prepare for the Exam
- Session 3- How to speak IOR
- Session 4- How to succeed as an IOR
- Session 5- Summary

FBA10: 8 weeks with 1 per week.	4/21/21
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Topic #6: DPOR Responsibilities	
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Present 5 part series for IOR Training
Part 1
Part 2
Part 3
Part 4
Part 5

Present 5 part series for IOR Training	8/25/21
Part 1	8/25/21
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LA Recert	8/30/21
LA Recert Retake	9/13/21
HICE Validation / Verification of Applicant qualifications process	8/2/21
Sac HICE	10/11/21
Sac HICE Retake	10/18/21

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Disciplines

- Architectural (Part 1 & Part 2)
- Structural (Part 1 & Part 2)
- Mechanical & Plumbing (Part 1 & Part 2)
- Electrical (Part 1 & Part 2)
- Fire Life Safety (Part 1 & Part 2)

Tip of the Day #16 Shot Pin	7/1/21
Tip of the Day #17 URGENT Qualification Special Inspector and Post Install Anchors	7/6/21
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● Hospital Inspector Recertification Webinar- 5 Parts

- Part 1- Arch & Struct
- Part 2- Elect, Mech & Plumb
- Part 3- Fire Life Safety & TIO
- Part 4- Admin & Code of Ethic
- Part 5- Duties & Responsibilities

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Topic #2	4/28/21

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Sac HICE Retake	11/8/21
LA HICE	11/8/21
LA HICE Retake	11/15/21
DPOR Responsibilities Webinar 90 minutes	10/27/21



IOR Recertification Spring 2021

68 IORs recertified (31 Sacramento, 37 Los Angeles)

33 IORs did not recertify

HICE Certification Spring 2021

- Candidates 55
- Candidates passed 36



IOR Recertification Fall 2021

70 IORs recertified (29 Sacramento, 41 Los Angeles)

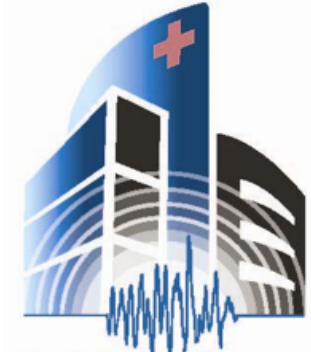
HICE Certification Fall 2021

- Application 42
 - Candidates Retest 16
 - New Applications 26



Field Operations Manual & TIO Updates

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT



Facilities Development
Division

FIELD OPERATIONS MANUAL

Inspection Services Unit - Home x +
https://oshpd.sharepoint.com/sites/FDD/ISU/SitePages/Home.aspx

Box | Login Office of Fleet Asse... Login | CalHR Bookmarks Connect - Home Codes Display Text my myCalPERS - Log In SavingsPlus 457b OSHPD EE Connect EPR

OSHPD SharePoint

BROWSE PAGE

Home *Division Support Regions Units SSS *FDD Manager/Supervisors FDD Technical Lead Program HBSB *FDD Executive Office

Inspection Services Unit

Welcome to the FDD Inspection Services Unit - Sacramento and LA

Announcements

+ new announcement or edit this list

Find an item

✓	Title	Modified
	TIO Input and Updates	January 25
	Field Operation Manual LATEST VERSION FOM2021.01	January 21

[Link to Emergency Operation Center](#)

Field Operations Manual

- [Field Operations Manual - eSP User Guides](#)

Documents Checked Out

There are no items to show in this list.

FDD Quick Links

- OSHPD External Website
- FDD Home
- Subscribe to OSHPD Announcements
- FDD General / About FDD
- **What's New?**
- Project Status
- eServices Portal Client Access
- Forms, Applications, and Reminder Lists

Libraries

- Webinars
- ISU Shared Documents
- IOR Evaluations
- IOR Recertification
- Lab Testing
- Training PPT

Lists

- ISU Staff
- Calendar
- Tasks
- IORs

Discussions

- Team Discussion

Site contents

- Pages
- Recent



Inspection Services Unit

OSHPD

Office of Statewide Health Planning and Development 101

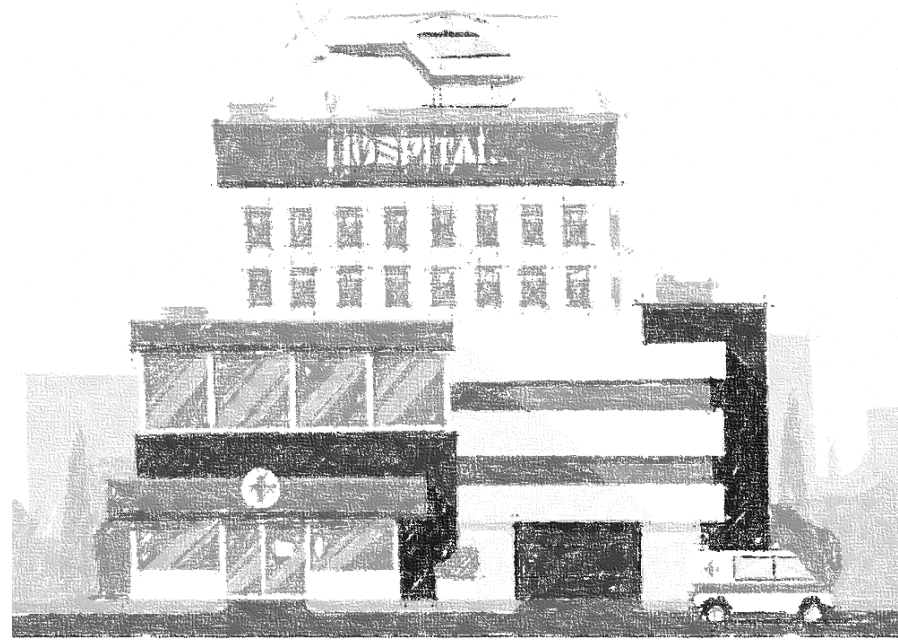
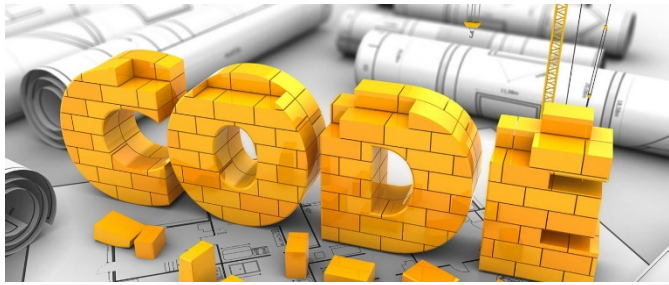
Questions



10. Building Standards Unit Update

Facilitator: Richard Tannahill, FDD Building Standards Unit
Supervisor (or designee)

- Building Standards Unit to provide an update on accomplishments year-to-date
- Discussion and public input



Building Standards Unit Update August 2021

Emergency Design Guide



Office of Statewide Health
Planning and Development

Table of Contents

- **Introduction**
 - **Why a guide?**
 - **How to apply this guide**
 - **Who should be using this guide?**
- **Emergency Patient Room Ventilation Conversion**
- **Emergency Operations Planning to Accommodate Surge Capacity**
- **Spaces that can be split into multiple zones**
- **Changes of outside air percentage during wildfires due to smoke**
- **How to better expedite Emergency projects.**
- **Coordination with other jurisdictions for Temporary Surge Facilities and Alternate Care Sites**
- **Case studies**
- **Resources**
- **Acknowledgements**
 - **Emergency Design Task Force Teams**

Why a Guide?

At the start of the CO
care; saf

Introduction

Every day hospitals provide the front line of care to the public in the event they have a personal emergency. Hospitals by their nature are large, complex buildings with many working components to get a patient to the care they need. To help make this happen, the Office of Statewide Health Safety and Planning and Development (OHSPD) works to ensure all building requirements are met to provide a building that is safe to operate and safe for its occupants.

The ability to have a facility care for the public, before, during and after an event or disaster requires careful and deliberate planning. This is reflected in the hospital's design and operations and over the years it progresses and adapts as technology, regulations and standards change. This is compounded if there is an event which in turn affects the general public as a whole.

The recent COVID-19 pandemic exposed weaknesses and vulnerabilities in our healthcare system. Many facilities had to respond to providing differing types of care to an unknown illness while keeping the patient and staff population safe. This resulted in temporary make-shift projects, changes in operations, increases in Personal Protective Equipment (PPE) and many changes to how healthcare was provided.

As mentioned, many facilities provided temporary, make-shift or alternate ways to achieve patient safety and treatment. What didn't work was revised until it did and what did work became standard. Due to trial and error that was reactionary and performed on a case by case basis, a lot of information was not being shared. OHSPD created a COVID Resource page on their website to share what was working, what was allowed as well as guidance to many situations and how they were being dealt with. Along with this sharing of what can be done now, came the questions about what future code changes would be coming and how learned technologies and processes can be designed into hospitals; both existing and new.

ing to find ways to provide safe patient
d many calls and questions as to what we
going to change in how OSHPD did plan
de cycles. To answer the questions that
healthcare regulations, planning, design
representatives, contractors, and many
reacting to the pandemic and other
F was tasked with identifying specific
t also including wildfires and
vents could impact future

regulations were sufficient to meet
e and beyond the basic needs?
fit this group. The technology
decide to incorporate into
hable air volumes, redundant

Emergency Patient Room Ventilation Conversion

Emergency Patient Room Ventilation Conversion

As hospitals responded to the COVID-19 pandemic with temporary retrofit solutions to meet the surge requirements, many interventions were focused on augmenting or modifying existing HVAC systems to create negative pressure in a standard medical/surgical patient room. It is important that the best practices from the retrofits be applied to continuing efforts in existing hospitals as well as the design and engineering of new hospitals.

One clear takeaway is: hospitals will need to consider investing in HVAC systems with the appropriate components and infrastructure to provide environment required to support acuity adaptable isolation spaces for airborne pathogens like COVID-19 or other infectious diseases.

The following are four considerations and potential solutions for providing a robust HVAC system that can support future flexibility.

Emergency Patient Room Ventilation Conversion

1. Air Handling Unit (AHU) Recommendations. Recognizing the importance of bringing outside air into hospitals in a pandemic situation when planning a new hospital, consider engineering your AHUs to handle multiple conditions for heating and cooling coils: minimum outside air intake for normal conditions, 100% outside air for pandemic and emergency conditions, and minimal to 0% outside air during wildfire events. Standby heating and cooling capacity should be considered for increased outside air during these conditions.

Standby cooling equipment should use chilled water-cooling systems if possible. Air cooled, direct expansion systems, commonly used in smaller facilities, do not have extra capacity available to increase outside air without compromising comfort nor can outside air be limited or shut off while maintaining ventilation inside the building.

Most building codes already require standby heating equipment for normal daily use and for use emergency conditions.

Emergency Operations Planning to Accommodate Surge Capacity

Emergency Operations Planning to Accommodate Surge Capacity

1. EDs – first point of contact
 - a. Triage
 - b. Find bed location
 - a. COVID wards?
2. Areas that may be expanded
 - a. Med/Surg – larger rooms than minimum
 - b. ICU
 - c. PACUs – infectious vs mass injury
 - a. May be able to share surgery patients with non-infectious patients
 - b. Post trauma patients may be able to share
 - d. Observation Units
 - e. Previous Med Surg Units (converted back to patient care)
 - f. Non-patient care spaces
 - g. Admin
 - h. Shell space
 - i. Conference Rooms
 - i. Corridors? Paul and Chris? Should OSHPD endorse?
 1. Wider corridors to accommodate patient parking?
3. New construction
 - a. How to build in options into the design
4. Existing facilities
 - a. Prioritize existing spaces
 - b. See operational plan (below)
5. Med gas certification – shared or split?
 - a. Dead legs may not be an issue with med/gas.
 - b. May use additional valving.
 - c. Use of splitters during an emergency.
6. Ventilator patients (ICUs)

Emergency Operations Planning to Accommodate Surge Capacity

7. Oxygen Supplementation
8. Operational Plan to accommodate increased patients in a unit
9. Verify capacity of source equipment to accommodate increase in patient loads.
10. How do we qualify this?
 - a. Oxygen
 - b. Adding vaporizers to O₂
 - c. Domestic hot water
 - d. Air handling equipment
 - e. Plan to what is available.
 - f. Nurse call
 - g. Support services
11. Patient Tiers
 - a. Triage
 - b. Oxygen supplementation
 - c. Ventilator Patient (ICU)
12. Containment zones
 - a. Donning/Doffing
 - b. Soiled/Waste storage and disposal
 - c. Patient Population

CDPH Emergency Request Form 5000-A

Temporary Permission for Program Flexibility and for Emergencies

When the Medical Health Coordination Center (MHCC) is activated, Providers and District Offices (DOs) will submit requests to CHCQDutyOfficer@cdph.ca.gov

This form is to be used ONLY for program flexibility requests when providers temporarily need to comply with licensing requirements by using alternative concepts, methods, procedures, techniques, equipment, or personnel.

Providers are required to submit a program flexibility request to the California Department of Public Health (CDPH), Center for Health Care Quality for approval. This form is a mechanism to expedite the request directly to the Medical Health Coordination Center (MHCC) for approval in emergency situations. <https://www.cdph.ca.gov/Programs/CHCQ/LCP/Pages/DistrictOffices.aspx>

Facility Name <input type="text"/>		Date of Request <input type="text"/>	
License Number <input type="text"/>		Facility Phone <input type="text"/>	Facility Fax Number <input type="text"/>
Facility Address <input type="text"/>		E-Mail Address <input type="text"/>	
City <input type="text"/>	State <input type="text"/>	Zip Code <input type="text"/>	Contact Person's Name <input type="text"/>

Approval Request

Complete one form total per facility

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> Staffing | <input type="checkbox"/> Other |
| <input type="checkbox"/> Tent use (High patient volume) | <input type="checkbox"/> Bed Use |
| <input type="checkbox"/> Space Conversion (other than tent use) | <input type="checkbox"/> Over bedding |

Duration of Request

Start Date

End Date

Program Flex Request

What regulation are you requesting program flexibility for?

Justification for the Request

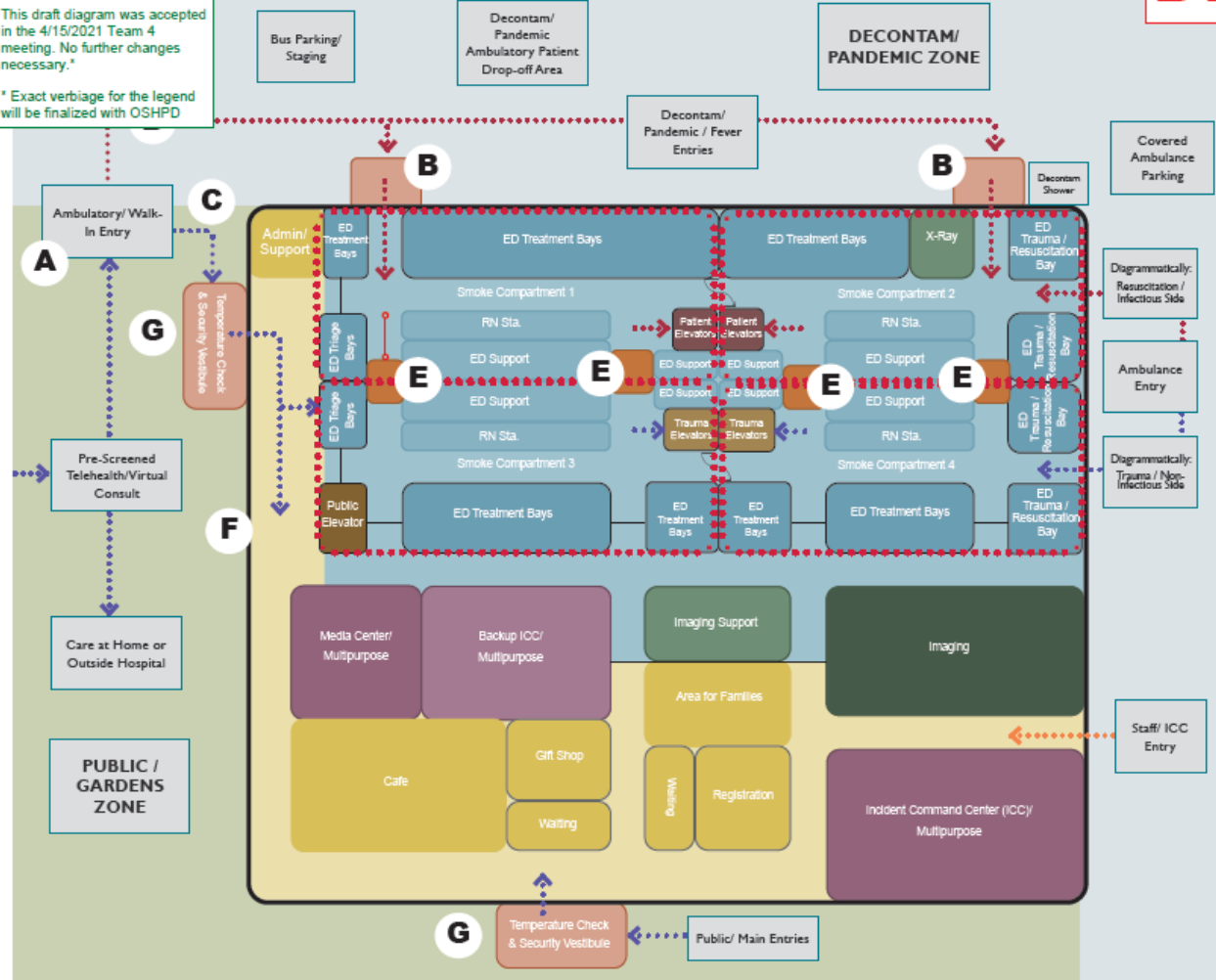
- A disease outbreak (verifiable through sources such as the local emergency medical service agency (LEMSA), local Public Health Officer, CDPH Division of Communicable Disease Control, the Centers for Disease Control and Prevention) is present in the community where the hospital is located or in a contiguous area(s) causing a rapid influx (surge) of patients to the hospital. Examples of this type of surge include: Increased cases of seasonal influenza, onset of a severe acute respiratory syndrome-type or other highly contagious virus requiring acute care, an epidemic/pandemic, a bioterrorism agent, or a declared public health emergency.
- An emergency resulting in the need for increased patient accommodations has occurred in the community where the hospital is located or in a contiguous area(s) causing a rapid influx (surge) of patients to the hospital. Examples of this type of surge include: A natural or human-caused disaster, a crime incident or transportation accident resulting in numerous mass casualties, an emergency causing the evacuation of patients or diversions from another hospital (LEMSA diversion has been implemented).

Spaces that can be Split into Multiple Zones

1. Waiting Rooms:
 - a. Separation of space
 - i. Toilet rooms (separation? Flow?)
 - b. Healthy versus Sick areas (compartmentalization)
 - c. Less density
 - i. Alternate waiting areas
 - ii. Virtual check-in
 - iii. Real-time Locating
 - iv. Text-based check-in
 - v. Drive-thru
 - vi. Queuing management
 - d. Redundancy of services
 - e. Separating Flow
2. ED's
 - a. Flow
3. Pre-screening
 - a. Ante Rooms
 - b. Tents
 - c. Curbside
 - d. Virtual
 - e. Vestibules
 - f. Clinics
 - g. Outside the facilities
 - h. Injuries versus illness
4. Flow in a hospital
 - a. Beyond the ED
 - b. Transporting patients/equipment
5. Clinics
 - a. Healthy versus Sick areas
6. Pandemic Isolation Patient Unit (adaptable)

6/2/2021 Team 4 Notes:
 This draft diagram was accepted in the 4/15/2021 Team 4 meeting. No further changes necessary.
 * Exact verbiage for the legend will be finalized with OSHPD

DRAFT



LEGEND:

- Emergency Department
- Imaging Department
- Public Space
- Multipurpose Space
- Patient Elevators
- Public Elevators
- Service Elevators
- Do Not Exceed 20' Typical of Vestibules/Rooms
- ← Flow - Infectious
- ← Flow - Non-Infectious
- ← Flow - Staff
- Donning/doffing created using two sets of corridor doors.
- *Donning & Dooffing Vestibules/Rooms* are not intended as part of the exiting egress path of travel - during non-pandemic mode doors left on hold opens.

GUIDELINES:

- (A)** Patients triaged via telehealth/virtual care or curbside/outside the hospital & directed to most appropriate entry. "Emergency Event" triage include temperature check & questionnaire regarding travel, exposure, etc.
- (B)** Febrile patients are directed to Emergency Department fever entry entries
- (C)** Non-febrile, ambulatory patients enter for additional/typical triage through Ambulatory Entry
- (D)** Ambulance patients are triaged off-site/en route with option to enter the "Decontam/Pandemic" compartment
- (E)** Anteroom or vestibule (created with two sets of corridor doors) to each Emergency Department compartment, which allows each compartment to be locked and isolated with one-way flow (donning & doffing through separate vestibules)
- (F)** Emergency Department contains two or more compartments that have separate, dedicated & redundant building systems which allows each unit to be locked & become a "Decontam/Pandemic" compartment. One-way flow in & out of each compartment through donning & doffing anteroom/corridor vestibule (anteroom vs. corridor vestibule is based on facility operational model).
- (G)** Fever check at the front door. No one with a fever would be allowed to enter the facility.

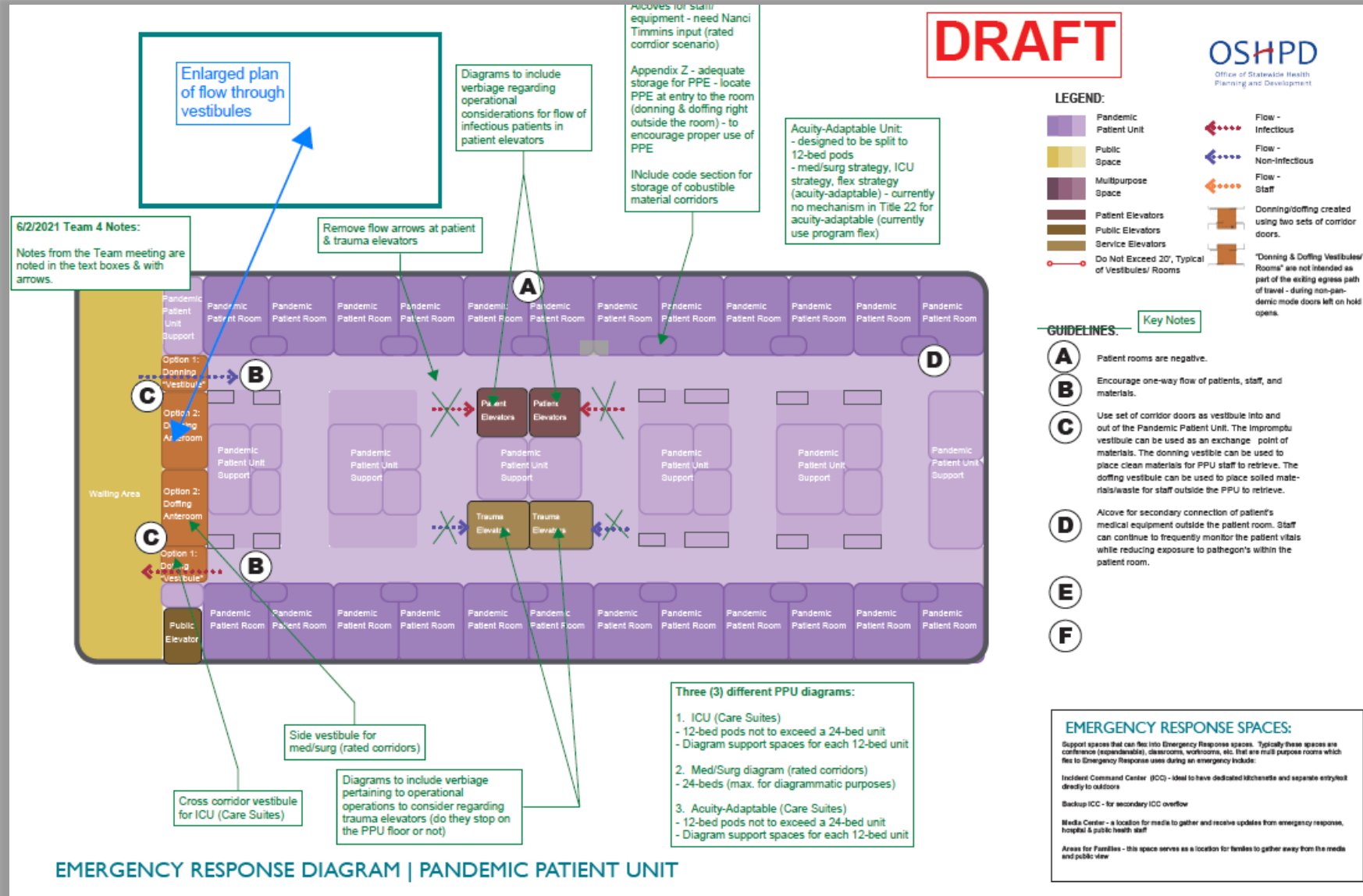
EMERGENCY RESPONSE SPACES:

Support spaces that can flex into Emergency Response spaces. Typically these spaces are conference (separable), classrooms, workrooms, etc. that are multi purpose rooms which flex to Emergency Response uses during an emergency include:

- Incident Command Center (ICC) - Ideal to have dedicated kitchenette and separate entry/exit directly to outdoors
- Backup ICC - for secondary ICC overflow
- Media Center - a location for media to gather and receive updates from emergency response, hospital & public health staff
- Area for Families - this space serves as a location for families to gather away from the media and public view

EMERGENCY RESPONSE DIAGRAM | EMERGENCY DEPARTMENT

DRAFT



EMERGENCY RESPONSE DIAGRAM | PANDEMIC PATIENT UNIT

Changes of outside air percentage during wildfires due to smoke

Changes of outside air percentage during wildfires due to smoke

SECTION 1: PURPOSE

SECTION 2: DEVELOP A SMOKE READINESS PLAN

SECTION 2.1: CHECKLIST TO DETERMINE IF THE HVAC SYSTEM IS READY FOR SMOKE

SECTION 2.2: SPECIAL NOTE ON ECONOMIZERS

SECTION 2.3: CONSIDERATIONS FOR SARS AND COVID

SECTION 2.4: USE OF PORTABLE AIR CLEANERS

SECTION 3: TEST HVAC SYSTEM IN SMOKE READY MODE

SECTION 4: IMPLEMENT THE SMOKE READINESS PLAN

SECTION 5: MONITOR EFFECTIVENESS OF PLAN AND MAKE ADJUSTMENTS

SECTION 6: IN-DUCT SMOKE DETECTORS

SECTION 7: ADJUST THE PLAN

SECTION 8: REFERENCES

SECTION 9: ADDITIONAL RESOURCES

How do I get authorization for an
Emergency Project?

How do I get authorization for an Emergency Project

Applicable Code Sections:

California Building Code Part 2, Vol. 1, Section 105.2.1:

[A] 105.2.1 Emergency repairs. Where equipment replacements and repairs must be performed in an emergency, the permit application shall be submitted within the next working business day to the building official.

How do I get authorization for an Emergency Project

California Administrative Code, Chapter 7

ARTICLE 20

REPAIR OF DAMAGE AFTER AN EMERGENCY

7-300. Plan review and approval.

(a) All repair projects are subject to prior plan review, plan approval and construction permit by the Office except as noted in subsection (b).

(b) For emergency repairs carried out without the Office plan review and permit the aftermath of an emergency, an application for plan review must be submitted with construction documents, fees and a letter of transmittal stating the reasons for emergency repairs. Photographs, if available, and reports of damage and repairs should also be submitted with the application. Additional repairs may be required if the emergency repairs do not comply with the code. For alternate fee payment methodology, see Section 129787 of the Health and Safety Code.

Steps to follow for Emergency Projects:

1. California Department of Public Health, Licensing and Certification Division should be notified by the facility of the emergency repair or projects. California regulations require facilities to report all emergency and/or disaster-related occurrences that threaten the welfare, safety, or health of patients to the California Department of Public Health (CDPH) Licensing and Certification Program (L&C). If conditions affect your facility by compromising patient health and safety and/or require an evacuation, transfer, or discharge of patients, you must contact your L&C district office. Please follow these guidelines for reporting such occurrences.
 - a. During normal business hours (8:00 a.m. – 5:00 p.m.), contact the local L&C district office you customarily work with for your geographic location.
 - b. For after-hour reporting or if the local L&C district office is non-operational due to an emergency and/or disaster:
 - i. For facilities outside Los Angeles County, contact the CDPH duty officer at (916) 328-3605.
 - ii. For facilities in Los Angeles County, contact the Los Angeles County Operator at (213) 974-1234. Ask that they notify the on-call Health Facilities Inspection Division supervisor.
2. Healthcare facilities shall notify OSHPD prior to performing emergency work and shall proceed as directed to obtain the approvals. **Work that is needed on odd hours, weekends, and/or holidays shall proceed with the follow-up of immediate communication to the RCO during normal business hours.** Contact the Regional Compliance Officer (RCO) by telephone and/or email, see [Facility Detail](#) for contact information.
 - a. The Regional Compliance Officer may grant authorization for:
 - i. For emergency repairs carried out without an Office plan review and permit due to sudden equipment failure or natural disaster, the facility shall submit a letter stating the reasons for the emergency repairs and requesting emergency authorization to proceed.
 - ii. Emergency changes to permitted projects relating to the safety of persons at the construction site may be made immediately. Emergency changes shall be documented by Amended Construction Documents.

Emergency work shall meet the following:

1. All work shall remain uncovered until adequate inspection is provided by the Licensed Inspector of Record.
2. OSHPD field staff shall be contacted to schedule a site visit at the earliest availability and document the construction or installation of all work.
3. It is recommended that the owner/facility secure the assistance of a Design Professional to direct all work. Additional repairs or corrections may be required if the emergency repairs do not comply with California Code of Regulations Title 24 or its Reference Standards.
4. The Construction Documents or Amended Construction Documents for emergency work that is to be in place longer than 30 days must be submitted to the Office within 21 days of the temporary work authorization.
5. The procedures leading to obtaining written approval of final plans and specifications for the emergency work shall be carried to conclusion without suspension or unnecessary delay.

Use OSHPD OPDs (preapproved details) or expedited permits (for SNFs) where possible:

[Preapproval Programs - OSHPD \(ca.gov\)](#)

[Skilled Nursing Facilities \(SNFs\) - OSHPD \(ca.gov\)](#)

OSHPD Field Staff Contacts:

<https://oshpd.ca.gov/construction-finance/facility-detail/>

Or Google "OSHPD Facility Detail"

Facility Detail

Click on the Facility List Drop-down below and scroll to find and select a facility. Or click on the name or number to filter the list. Data is updated every 2 weeks.

New: AB 2190 Quarterly Reports are now available.

For accessible copies of facility site plans [email Seismic Compliance Unit](#).

Select Facility – search available using keywords

Facility Info | Building List/Seismic Info | Instrumented Buildings | AB2190 Reports

Show facilities:

- (All)
- Do not have AB 2190 Extensions
- Have AB 2190 Extensions

Facility List Drop-down

11731 Good Samaritan Hospital

11731 Good Samaritan Hospital
(OSHPD ID: 106190392)
1225 Wilshire Blvd
Los Angeles, CA-90017
County:
Los Angeles
License Type:
General Acute Care
OSHPD Geographic Region:
North Los Angeles Region

Field Staff contact information

Regional Compliance Officer:
Matthew Bernard (916) 529-7741

Compliance Officer:
Robb Roberts (213) 598-0896

District Structural Engineer Name:
Arthur Lio (213) 842-1874

Fire Life Safety Officer Name:
Jaime Hickok (916) 529-7679



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*Click on the dot to view in Google Maps.

Building List/Seismic Information	Site Plan
AB2190 Attestation Submitted	Open Projects
Construction Costs for Projects at Facility	Closed Projects
	Old Logbook Projects
	Licensing Information (Maintained by OSHPD)
	Siera Financial and Utilization Reports

Coordination with other Jurisdictions for Temporary Surge Facilities and Alternate Care sites

Coordination with other Jurisdictions for Temporary Surge Facilities and Alternate Care sites

1. Locations:
 - A. In the hospital
 - B. On the hospital property
 - C. Other sites
 - i. Convention/Conference Center
 - ii. Arena
 2. Have a plan!
 3. Who to contact?
 - A. Jurisdiction
 - i. CDPH
 - i. AFLs
 - ii. OSHPD
 - iii. Other resources that are available
 - iv. Other sites to contact
 - a. CDC
 - b. OSHPD Resource Website
 - c. Joint Commission
 - 1) What to consider?
 - 2) Options available
4. In hospital
 - A. Shell space
 - B. Vacant patient rooms
 - C. Conversion of existing spaces to COVID units
 - D. Conversion of non-patient areas to patient use

Coordination with other Jurisdictions for Temporary Surge Facilities and Alternate Care sites

5. On site
 - A. Tents
 - i. Pros and cons
 - ii. Hard-shell versus inflatable
 - B. Trailers/modular units
 - C. Coaches/mobile units
 - D. Triage areas
6. Off site
 - A. Equipment availability
 - B. Staff availability and schedules
 - C. Preset isolation pods – not recommended
 - D. Reopening closed facilities
 - i. Connecting services from the hospital to temp facilities
7. How to surge down/return to normal?
8. Making temporary changes permanent
 - A. Tracking changes made to facilities
 - B. Lessons learned
9. Availability of staff and equipment
10. Returning empty O₂ cylinders

Other Sections

1. Examples (diagrams) of departments (ED's, Med Surg Units, ICUs, Clinics)
 - a. Triage areas
 - b. Safe zones
 - c. Flow of services
 - d. Vetting of products to make sure they are adequate
2. Examples of technology and Equipment
 - a. Vented headwalls
 - b. UV Lighting
 - c. Tented gurneys
3. What not to do
 - a. Negative ORs
 - b. Infected patients being co-located in a non-exhausted area
 - c. Storing equipment being used in a room in the corridor.

Case Studies?

1. Sharp Chula Vista for Med/Surg/ICU
2. Other examples?

ICC/NEHA International Pandemic Task Force

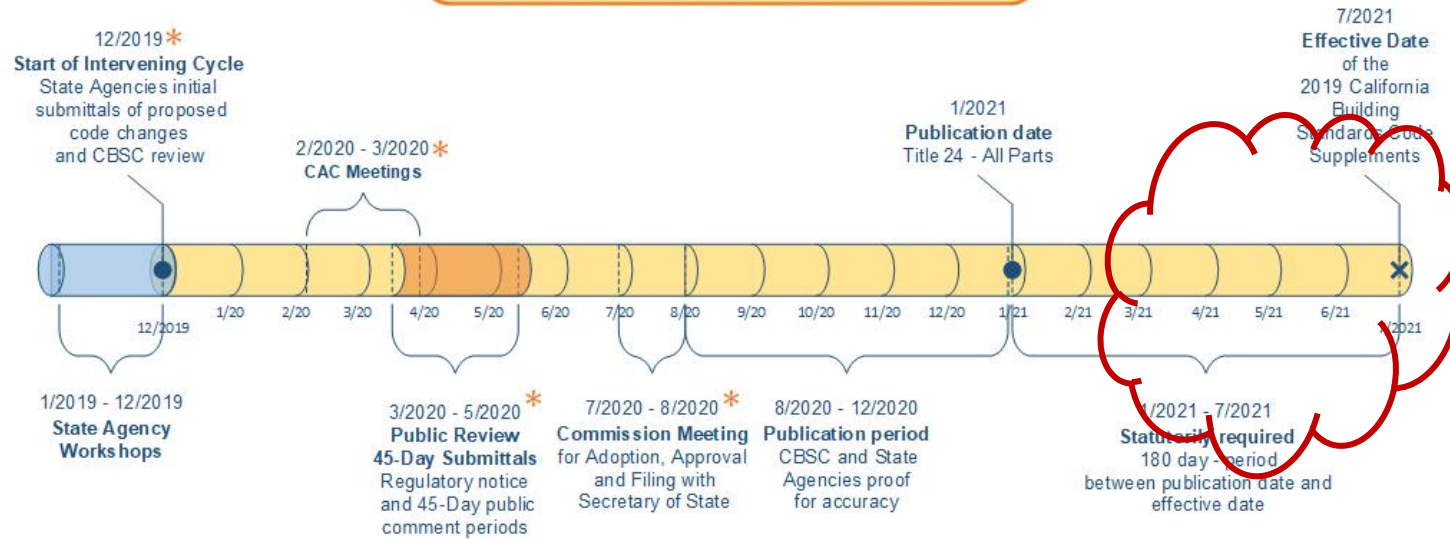
International Code Council/
National Environmental Health Association

Building Standards Code Update

2019 Intervening Code Adoption Cycle

2019 Intervening Code Adoption Cycle

Amendments to the 2019 California Building Standards Code,
Title 24 Supplement July 1, 2021 Effective Date



Code Advisory Committees:

- SDLF – Structural Design/ Lateral Forces
- PEME – Plumbing, Electrical, Mechanical & Energy
- HF – Health Facilities
- GREEN – Green Building
- BFO – Building, Fire & Other
- ACCESS – Accessibility

* Public Participation Opportunity
All dates are subject to change

California Building Standards Commission



(916) 263-0916
www.dgs.ca.gov/bsc
Rev. March 2019

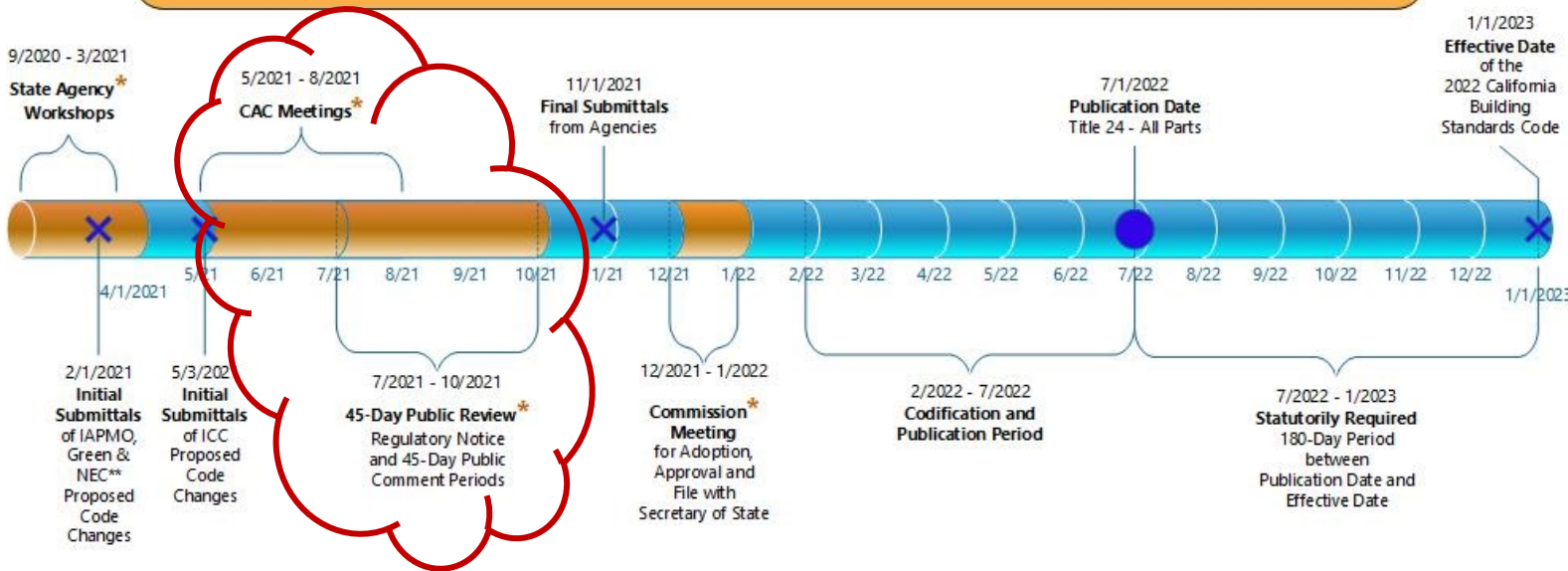
2022 Estimated CBSC Timeline



California Building Standards Commission

2022 California Building Standards Code, Title 24
Effective January 1, 2023

2021 Triennial Code Adoption Cycle



- Part 1 – 45-Day Public Comment starts Sept 3
- Part 2V1 – 45-Day Public Comment starts Sept 24
- Part 2V2 – 45-Day Public Comment starts Sept 3
- Part 3 – Complete
- Part 4 – Complete
- Part 5 – Complete
- Part 10 – 45-Day Public Comment starts Sept 3

Code Advisory Committees (CAC):
 ACCESS – Accessibility
 BFO – Building, Fire & Other
 GREEN – Green Building
 HF – Health Facilities
 PEEM – Plumbing, Electrical, Mechanical & Energy
 SDLF – Structural Design/Lateral Forces

Model Code Publishers:
 ICC – International Code Council
 IAPMO – International Association of Plumbing and Mechanical Officials
 NFPA – National Fire Protection Association
 **NEC resubmittal if necessary

2022 CBSC Triennial Highlights

Part 1 – Administrative Code

- ❖ *Definitions*
- ❖ *Fees for Small Projects*
- ❖ *Resubmittal Times for Small Projects*
- ❖ *IOR Inspection Clarifications*

Part 2, Volume 1 – Building Code

- ❖ *Procedure Rooms and Class 2 Imaging*
- ❖ *Definitions*
- ❖ *Clearances between Patient Care Stations*
- ❖ *Sharing of Support Rooms between Adjacent Units*
- ❖ *Removal of Special Bathing Facilities*
- ❖ *Psychiatric Facilities*
- ❖ *Room Size, Storage and Anti-Ligature*

Part 2, Volume 2 – Building Code (structural)

- ❖ *Structural Coordination with DSA*
- ❖ *Alignment With New ICC Chapters*
- ❖ *CDCR Revisions*

Part 3 – Electrical Code

- ❖ *Receptacle Identification Clarifications*
- ❖ *Use of Battery Systems*

Part 4 – Mechanical Code

- ❖ *Outdoor Air Ventilation Minimums*
- ❖ *Power Exhaust to Economizers*

Part 5 – Plumbing Code

- ❖ *Hot Water Alarms on Essential Power*
- ❖ *Emergency Water Storage Requirements*

Part 10 – Existing Building Code

- ❖ *Minor structural edits*

INTERAGENCY COORDINATION

OSHPD / CDPH Coordination

- **Title 22 Rewrite (assisting)**
- **Methods of Procedures Guidance**
- **Coordination of Beds in Suspense**
 - Accessing data for program flexes and suspended/delicensed beds information
- **Processes for survey discovery of unauthorized projects**
- **Functional Program Rewrite**
 - Timeframes for approving Functional Programs and AMCs
- **Dietary Functional Program/Guide**
- **Communications/Relations with District Offices**
 - Consistency and application of state licensing and federal certification regulations
- **COVID Reset coordination and other emergency/disaster operations**

Clinic Advisory Committee

- **Quarterly Meetings ongoing**
 - **Looking at specific concerns of the clinic community**
- **Plans of Modernization has been revised**
- **Clinic Plan Review Checklist has been updated**
- **Adding Surgical Clinic Plan Review Checklist**
- **Differing Building Levels for Clinics hitting roadblocks**
- **Community Training on OSHPD 3 Facilities (August 24 and 31)**

California Associate of Health Facilities

- Reinitiating quarterly meetings.

OUTREACH

➤ Complete

- 2019 Intervening Code – Session 1 – January 12, 2021
- 2019 Intervening Code – Session 2 – February 9, 2021
- Engineering Judgements – April 13, 2021
- CAN 2-108 Temporary Structures and Uses – June 29, 2021

➤ Upcoming

- OSHPD 3 Clinics – August 24 and 31 (with CPCA)
- Accessibility CAN 2-11B – TBD
- Working with OSHPD – TBD
- Integrated Review (PIN 50) – TBD

CANs/PINs

Updated CANs

- 1-0 Enforceable Codes
- 1-7-2100 Clinics
- 2-0 OSHPD Jurisdiction
- 2-2508.2.1 Gypsum Wallboard
- 2-407.2.2 Nurse Station
- 2-407.4.1 Direct Access from Habitable Rooms
- 2-703.3 Engineering Judgements
- 2-1916A.8 Field Test for Post Installed Anchors
- 3-517.40(B) Sub-Acute
- 1-7-133(k) Review of Design and Const. by Seismic Examination
- 2-508 Separation of Emergency Vehicles & Drop Off
- 2-703.3 Engineering Judgements
- 9-3301 Fire Resistive Rated Assemblies & Construction
- CAN 2-11B Accessibility

Updated PINs

- 8 Hazardous Materials Inventory
- 14 Fire Watch
- 36 Projects of \$50,000 or less – Exempt from Plan Review Process
- 56 Request for Reopening a Closed Project
- 65 All Gender Signage
- 68 Equipment Anchorage (Fixed, Mobile, Moveable, etc.)
- 69 Automated Guided Vehicles
- PIN 50 Integrated Review

New/Revising

- CAN 2-1916A.8 Field Test for Post Installed Anchors
- CAN on Ventilation/Outdoor Air

Expedited Building Permits

- HVAC Replacement – SNFs
- Reroofing – SNFs
- Bedside Dialysis – SNFs
- Emergency Generator - umbilicals – SNFs x2
- Generator Replacement – SNFs

Guides

- Electrical Coordination
- Psychiatric Facilities
- Medications Dispensing Units
- Bedpan Washers



Plan Review & Recruitment

Plan Review Support:

- ✓ Mechanical Reviews
- ✓ Quality Assurance
- ✓ CPR/AMC Assistance
- ✓ *Technical Lead Support for all Regions*
- ✓ *Staff Training*
- ✓ *Public Outreach and Support*



Recruitment:

- Senior Architect x2
- Senior Mechanical Engineer x1

- Any Questions?
- Any Additional Thoughts or Discussion?



11. Structural Services Section Unit Update

Facilitator: Roy Lobo, FDD Principal Structural Engineer
(or designee)

- Structural Services Section to provide an update on accomplishments year-to-date
- Discussion and public input

Facilities Development Division

California's Building Department for Hospitals

STRUCTURAL SERVICES SECTION UPDATE

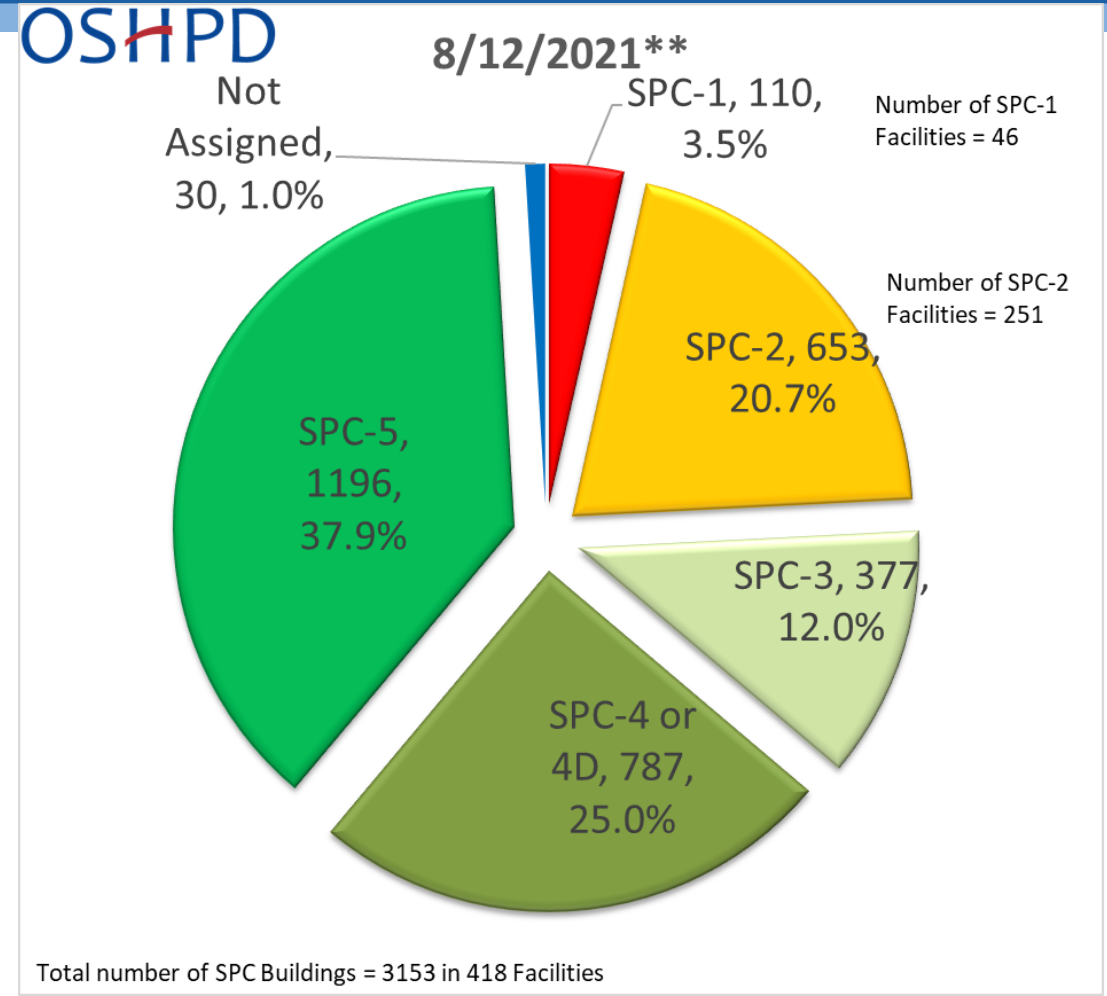
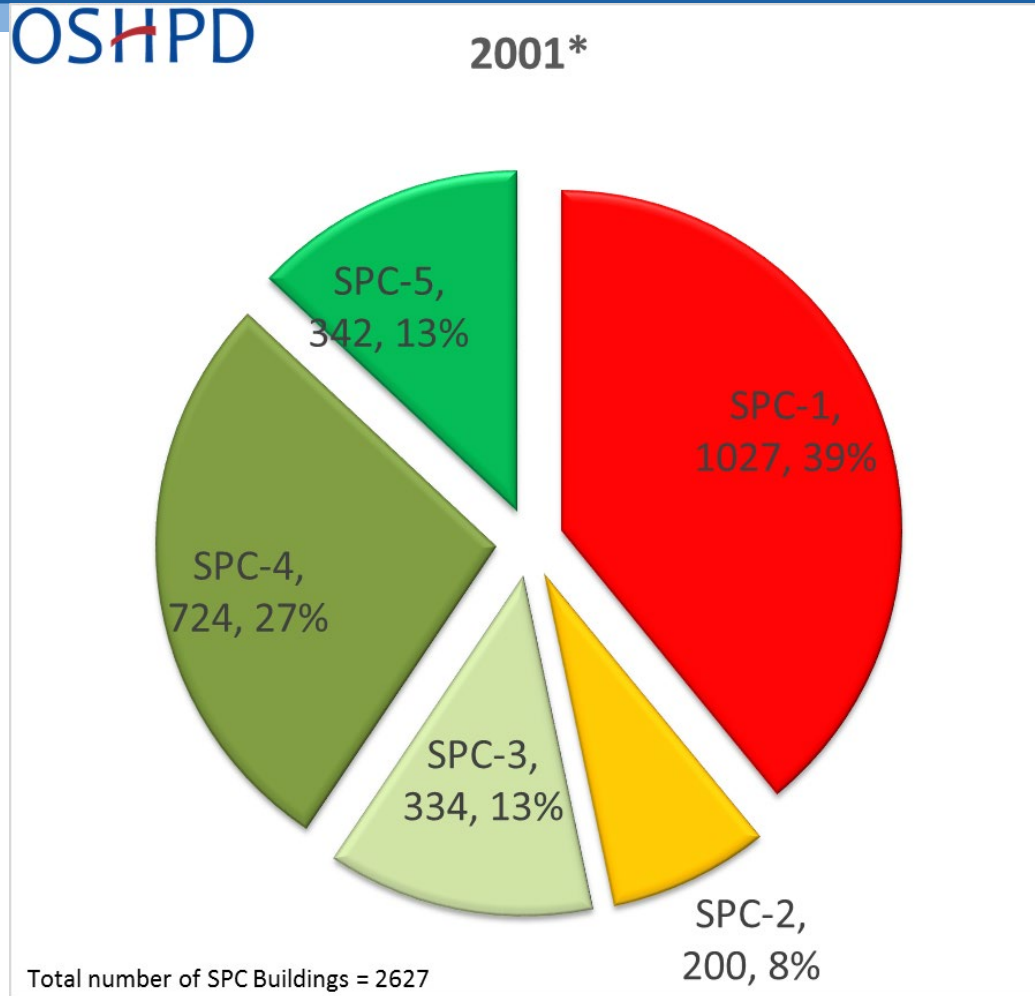
Roy Lobo, Ph.D., S.E.

Principal Structural Engineer

Seismic Compliance Update

(08/18/2021)

Structure Performance Categories



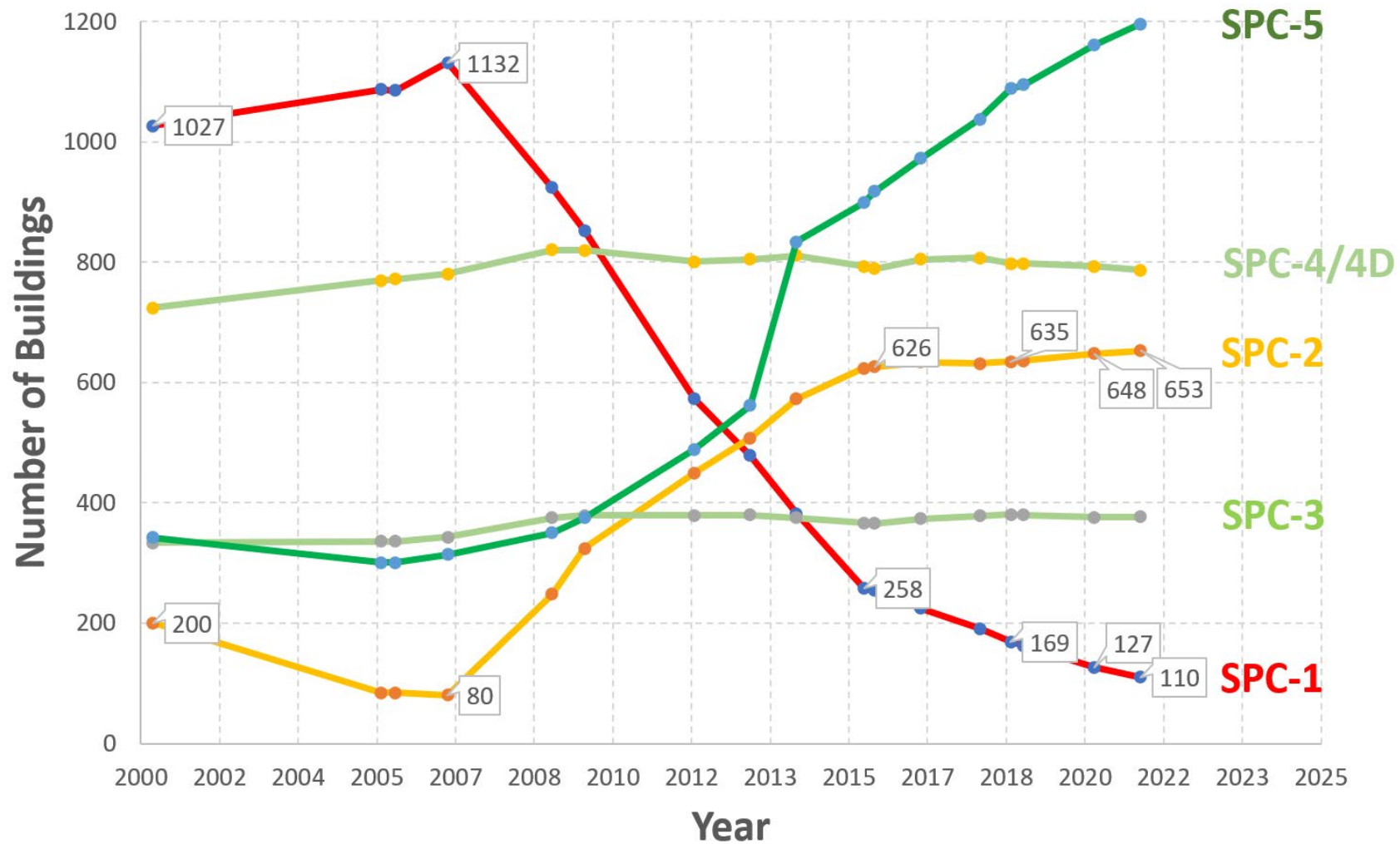
* Based on 2001 Hospital Survey Results based on hospital "self-report" and then "state-of-the-art" FEMA 178 standards from 1996

** SPC-5 includes buildings currently under construction

For SPC - "Not Assigned" is for non-building structures such as equipment yards, cooling towers etc that are still under construction

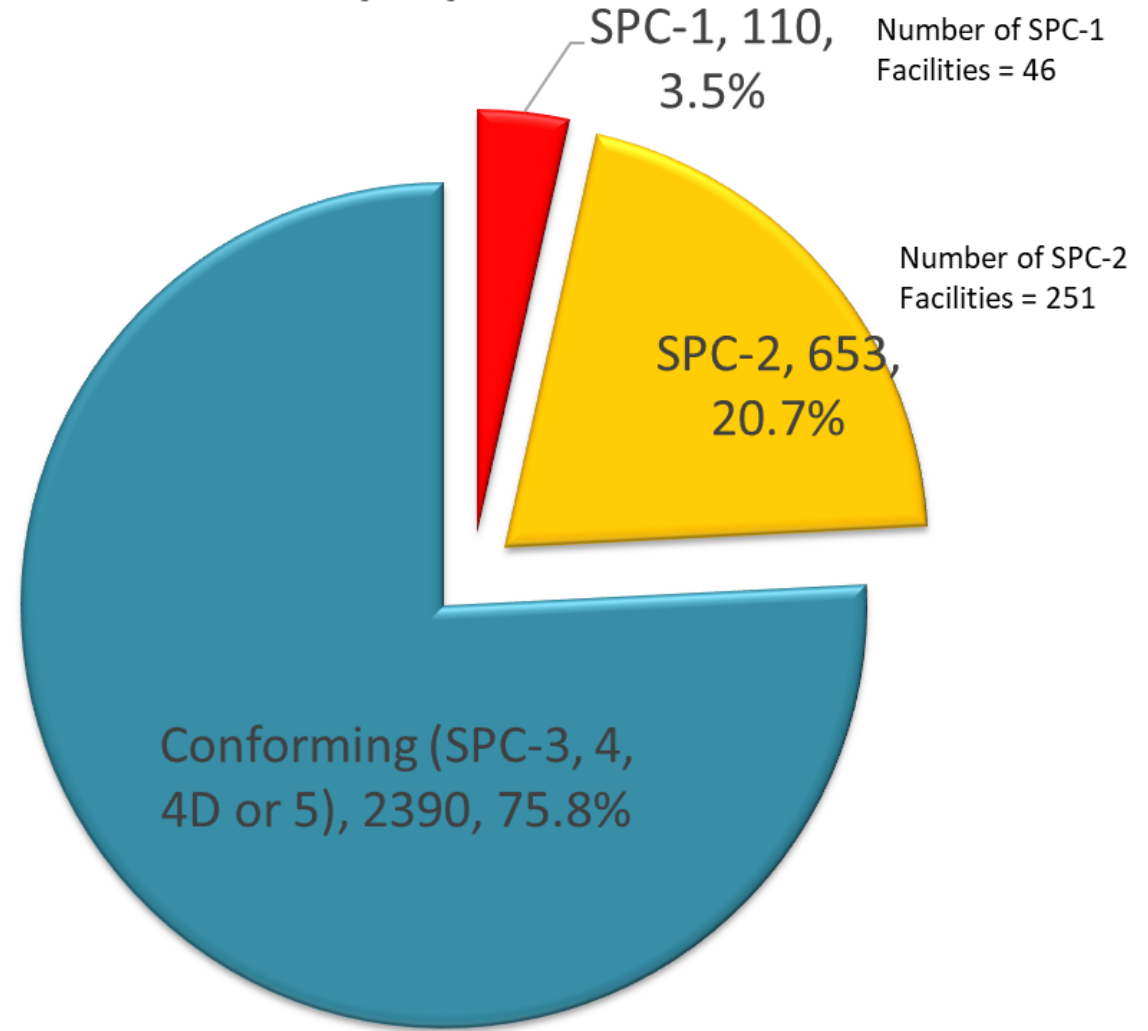
[OSHPD's Website Visualization](#)

GAC Hospital Buildings Over Time



8/12/2021**

Structure Performance Categories Today



Number of SPC-1 Facilities = 46

Number of SPC-2 Facilities = 251

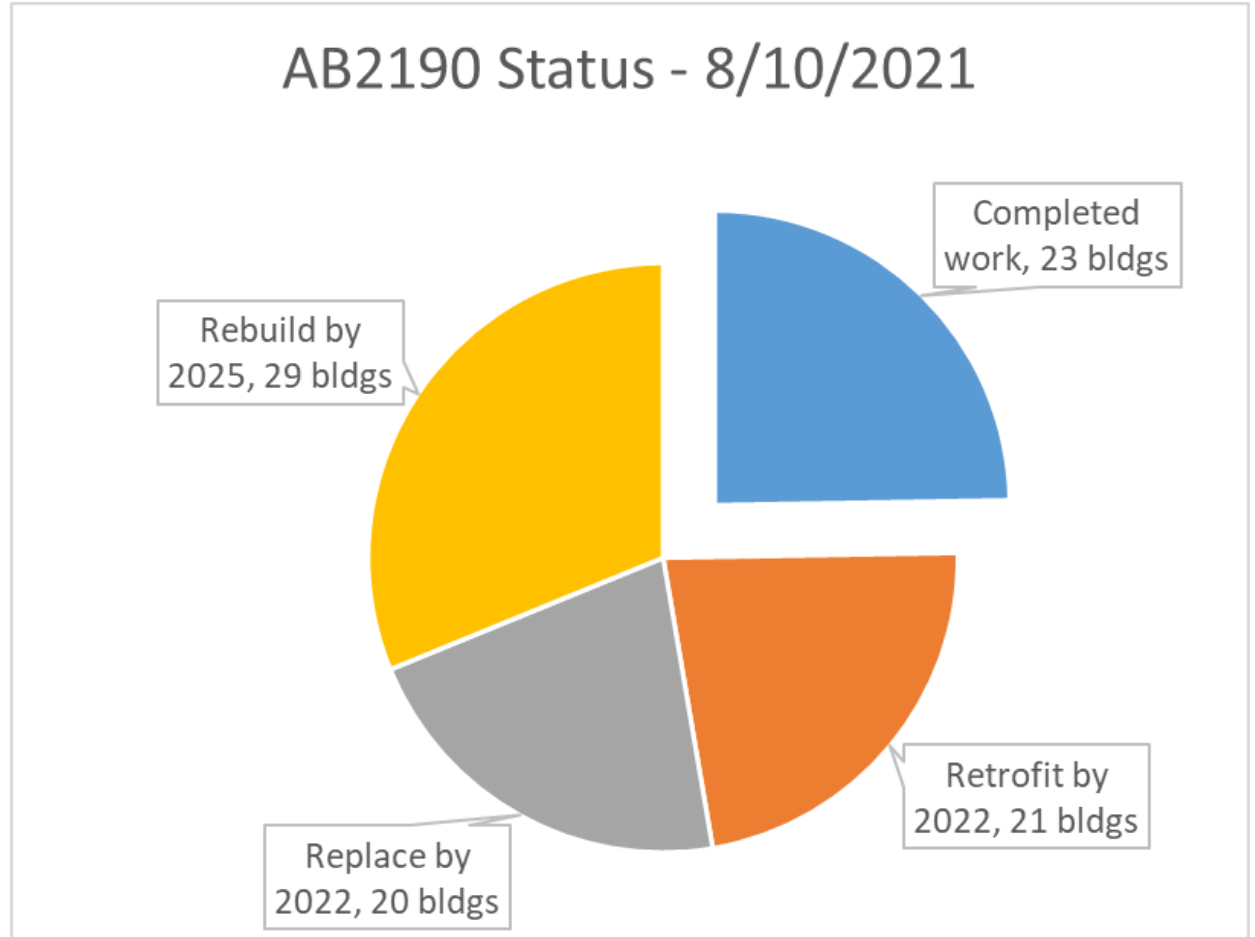
Total number of SPC Buildings = 3153 in 418 Facilities

AB 2190 Seismic Extension Program

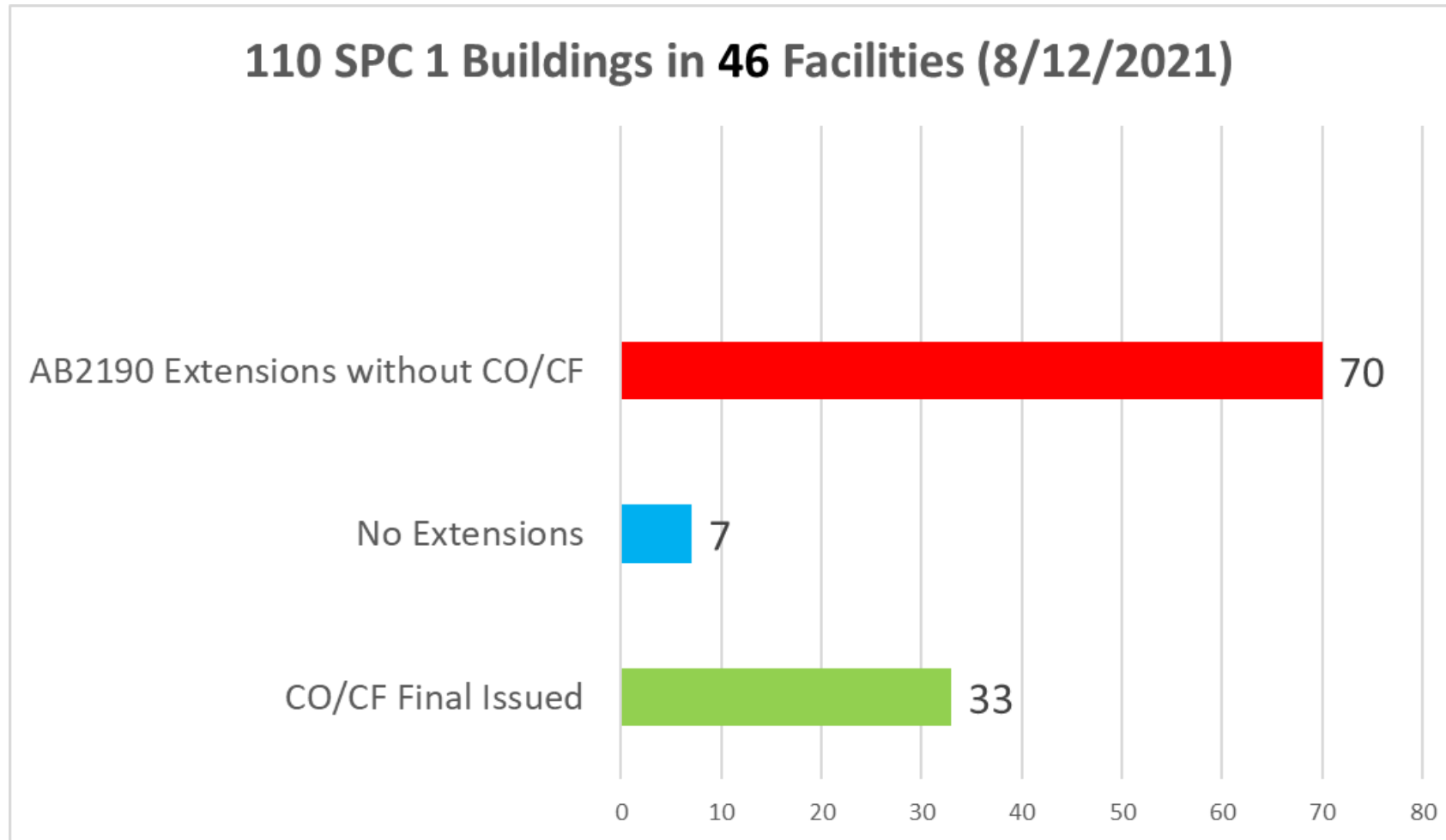
- Extension program to allow resolution of SPC-1 rated buildings through rebuilding, relocating services to compliant space and retrofitting
- Enforceable compliance schedules
 - Extension and construction milestones
 - Quarterly reports

AB 2190 Seismic Extension Program (as of 8/10/2021)

- 43 facility applicants applied for 93 buildings (AB 2190 – 4/1/2019; AB 78 – 9/1/2019)
- 33 facilities with 70 buildings remain active



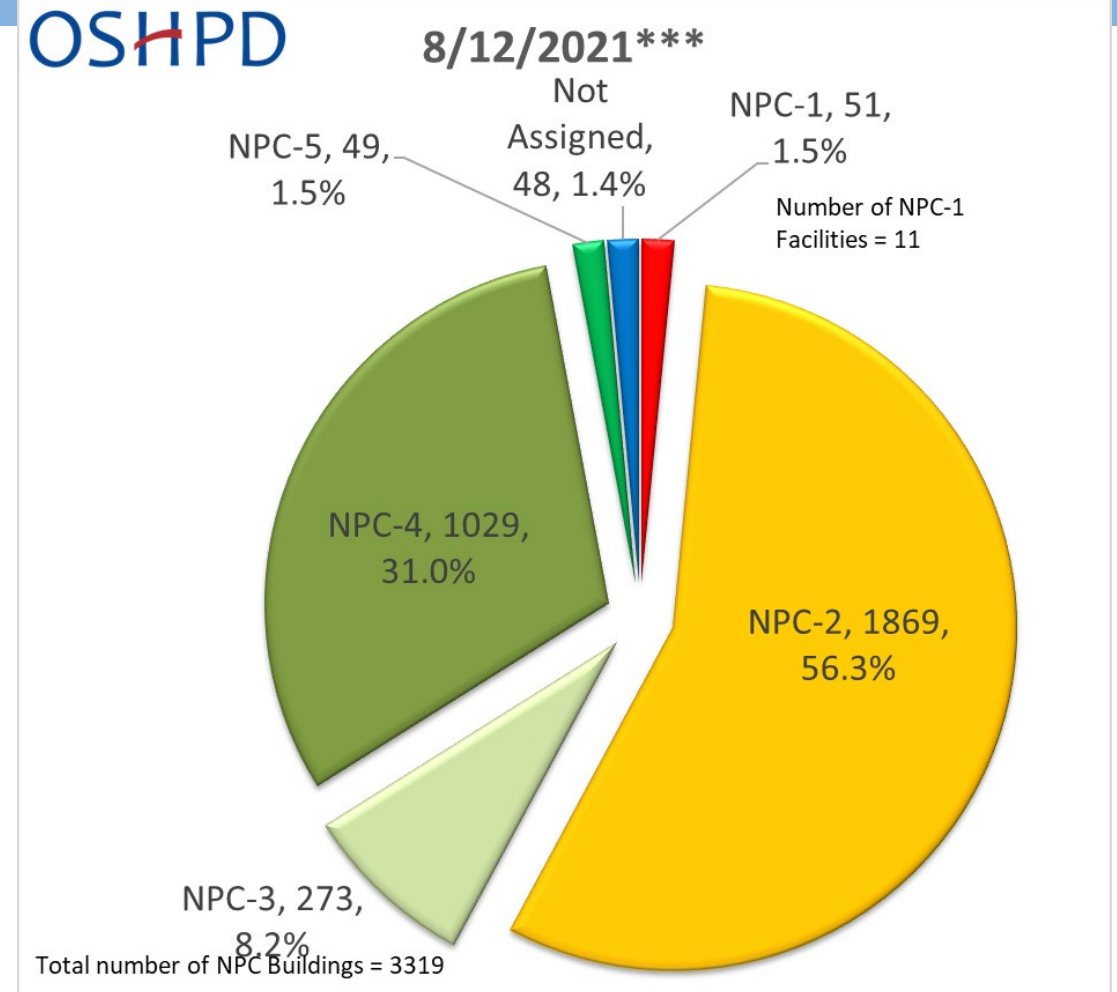
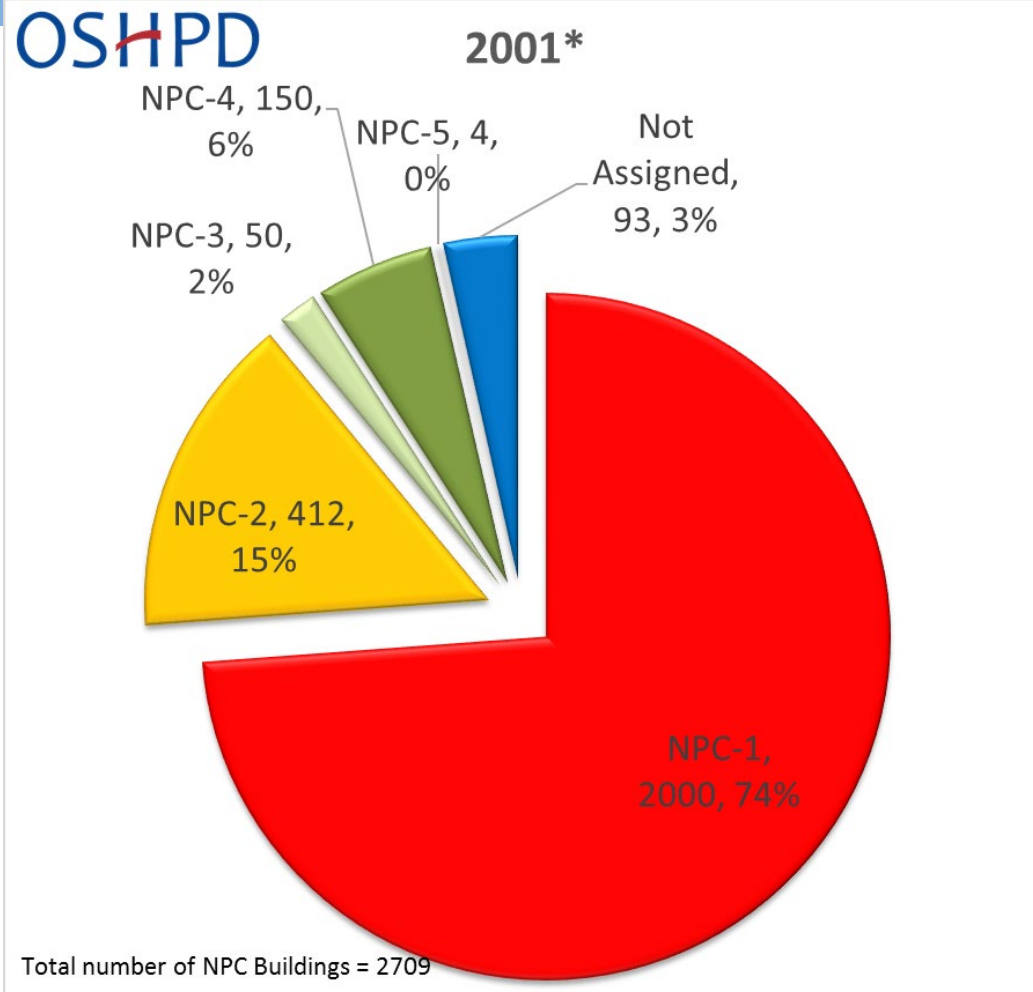
SPC -1 Buildings = 113 on 8/10/2021



SPC-4D as of 8/13/2021

- 6 buildings (6 facilities) have been upgraded to SPC-4D
- 21 SPC 4D (11 facilities) retrofit reviews are complete and accepted by SCU. These buildings are in process of getting permit from the region or under retrofit construction.

Nonstructural Performance Categories



***Includes buildings under construction, tunnels and equipment yards

For NPC - "Not Assigned" are for buildings and nonbuilding structures either under construction or where the nonstructural performance category has not been verified

Buildings under construction or just built are assigned a preliminary NPC of 4

Structural Support Update

Overview

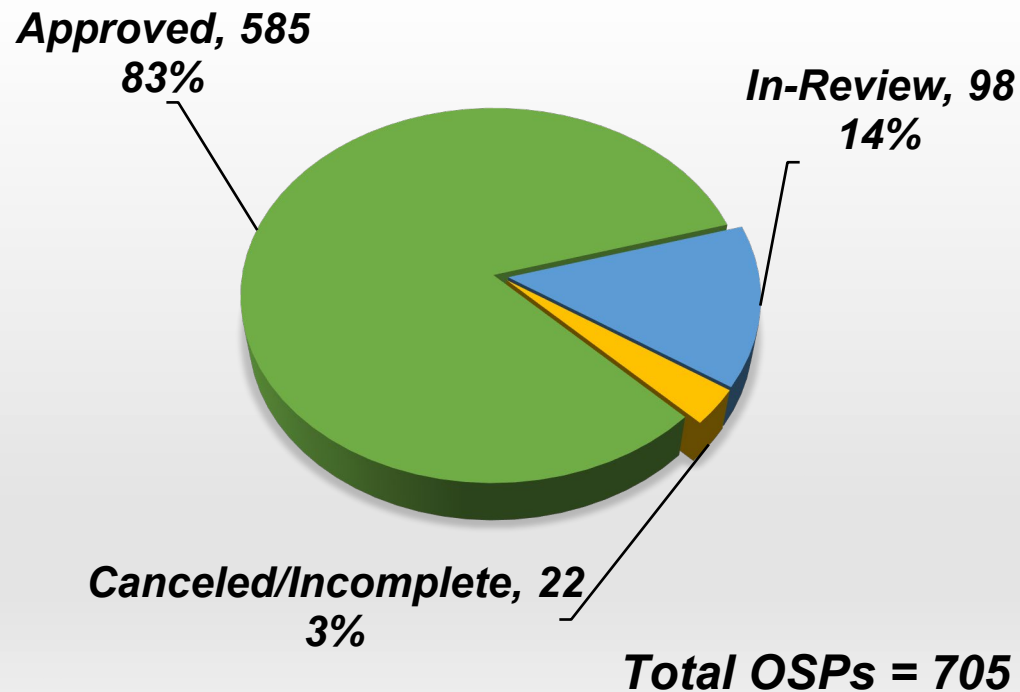
- OSHPD preapproved programs
- Alternate methods of compliance
- Structural/nonstructural California amendments
- Geotechnical reviews
- Structural support to the regions
- Contract out plan reviews

Special Seismic Certification / OSP Program

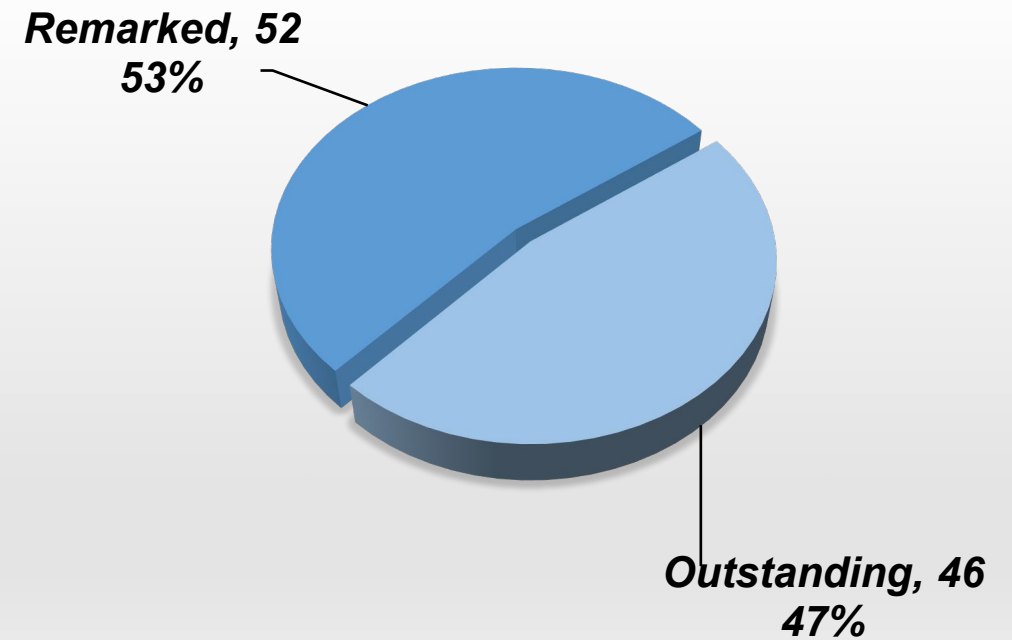
- Manual OSP process phased out.
- All new OSP applications to be submitted electronically
- PIN 55 updated to 2019 CBC mid-cycle amendments.

OSP Review Status

Current Overall OSP Status

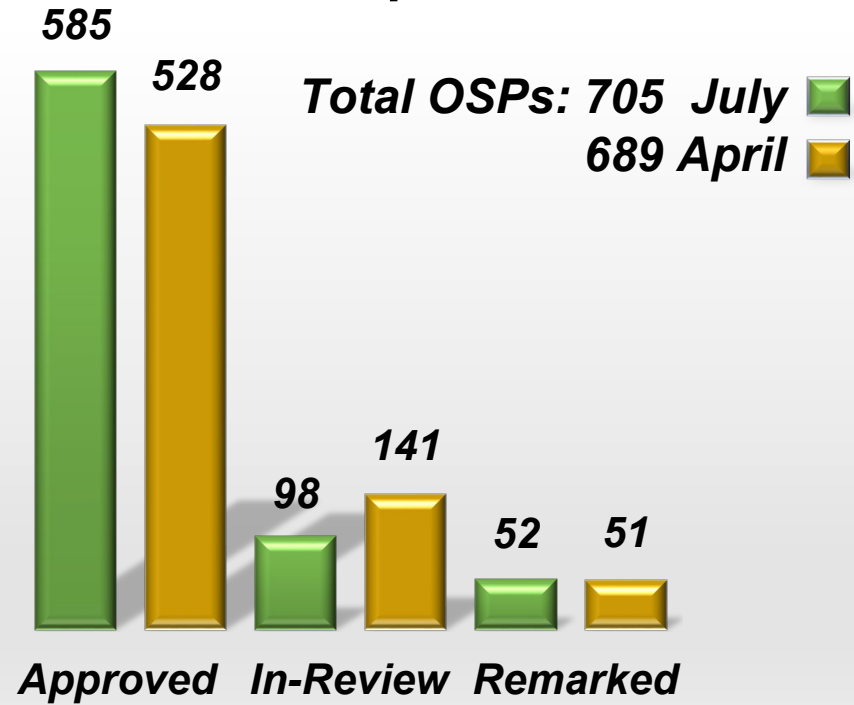


Current OSP In-Review Status

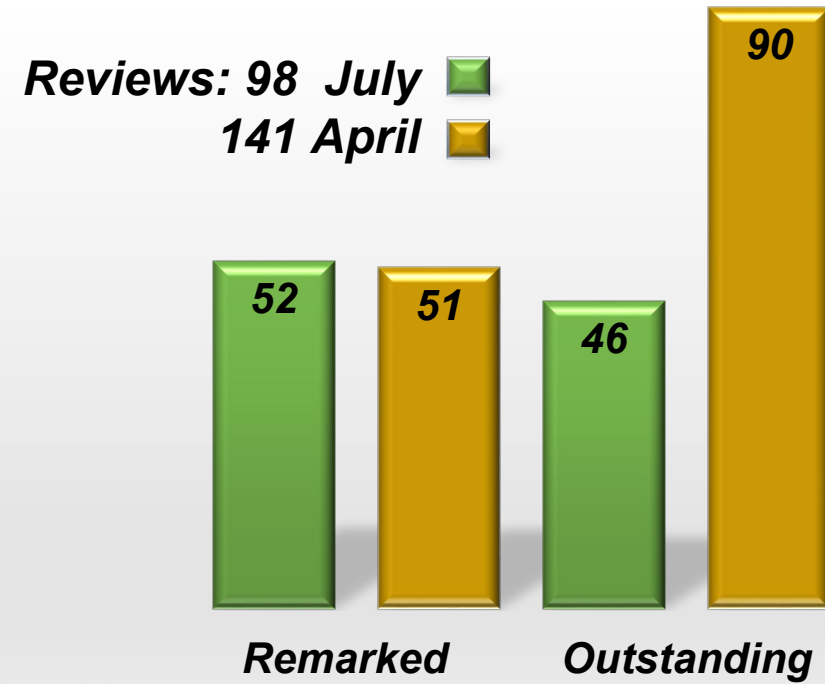


OSP Review Status

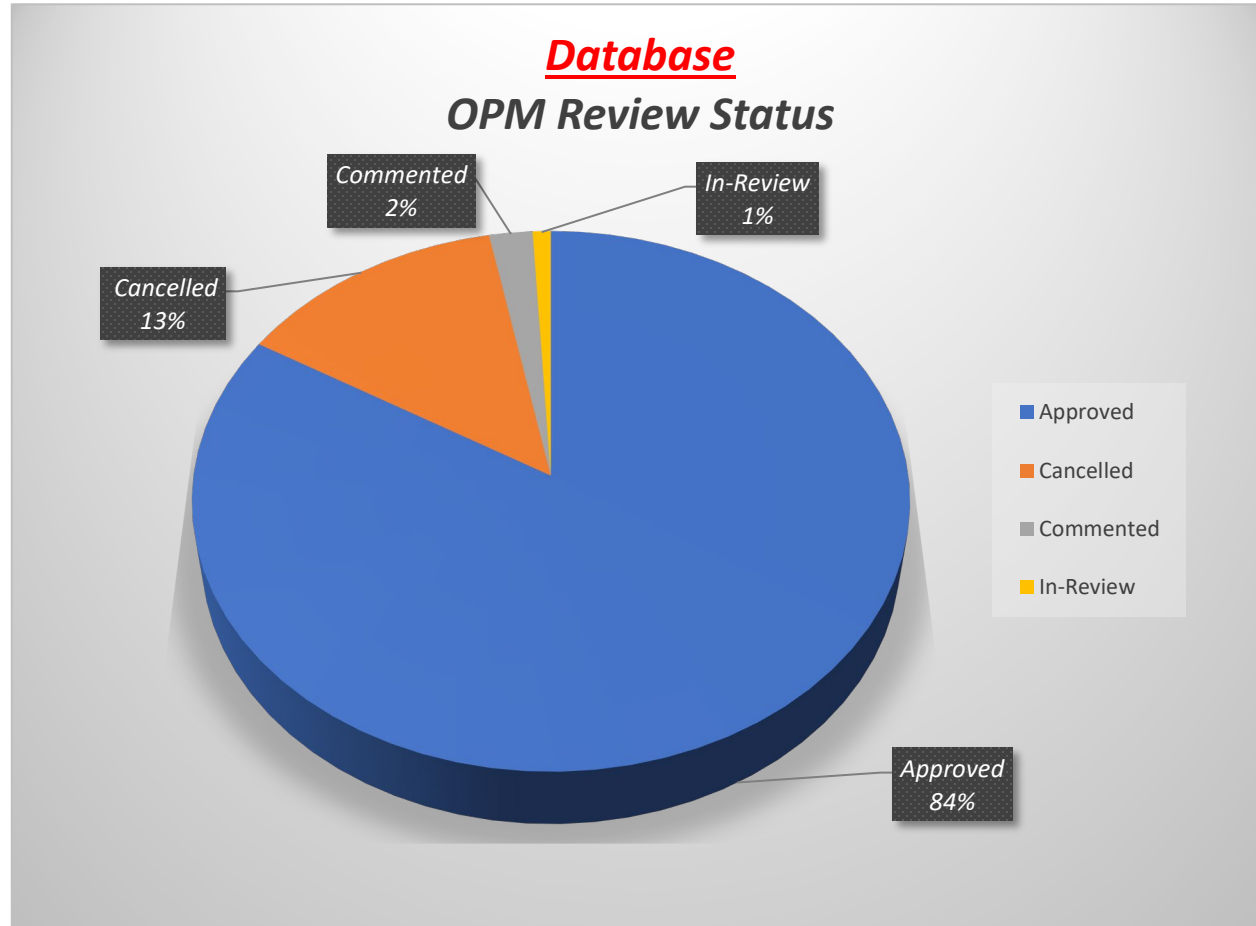
2021 July vs April
OSP Comparison



2021 July vs April
In-Review Comparison

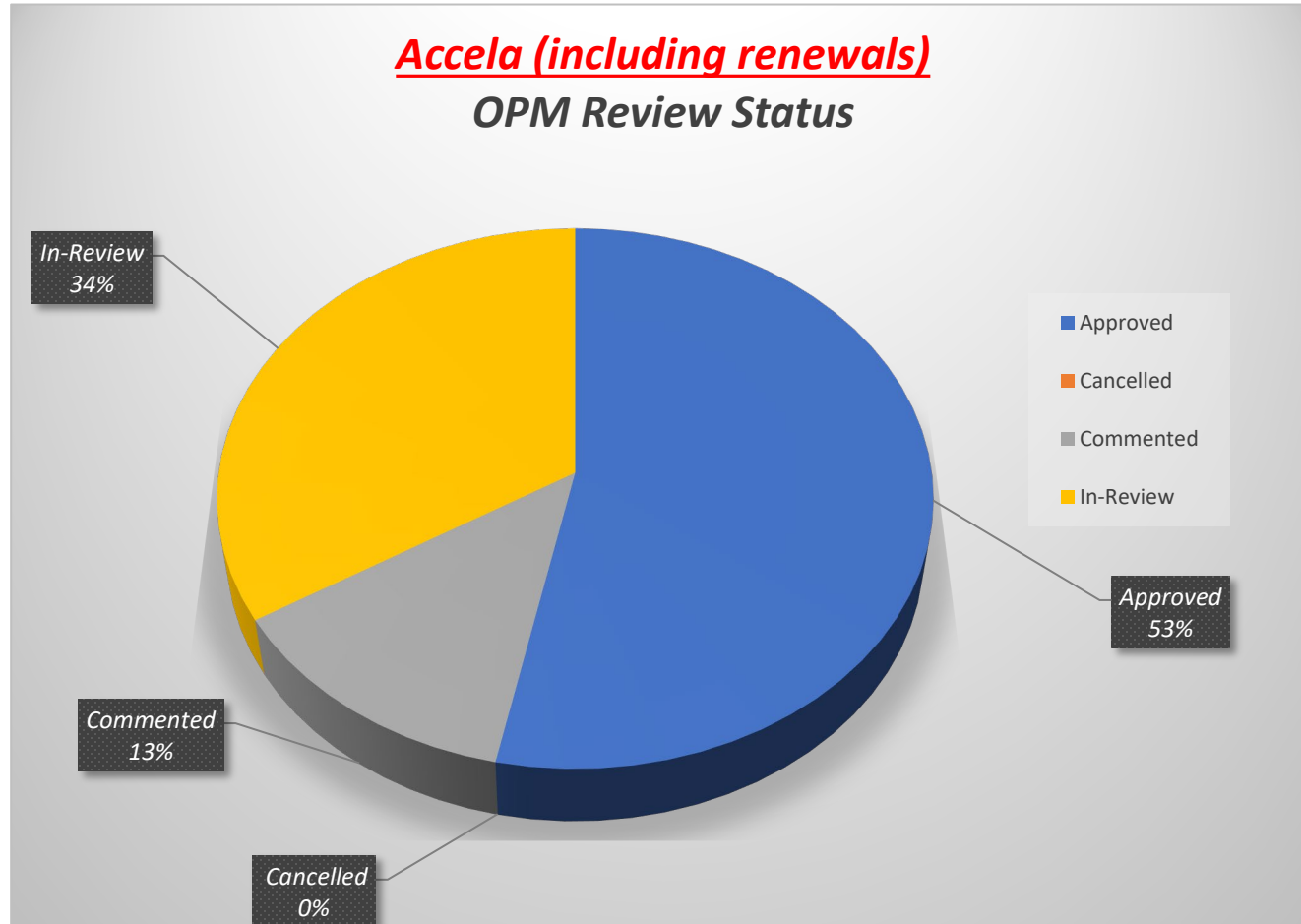


OPM Review Status



TOTAL	561
Approved	469
Cancelled	75
Remarked	12
Triage Return	0
In-Review	5

OPM Review Status

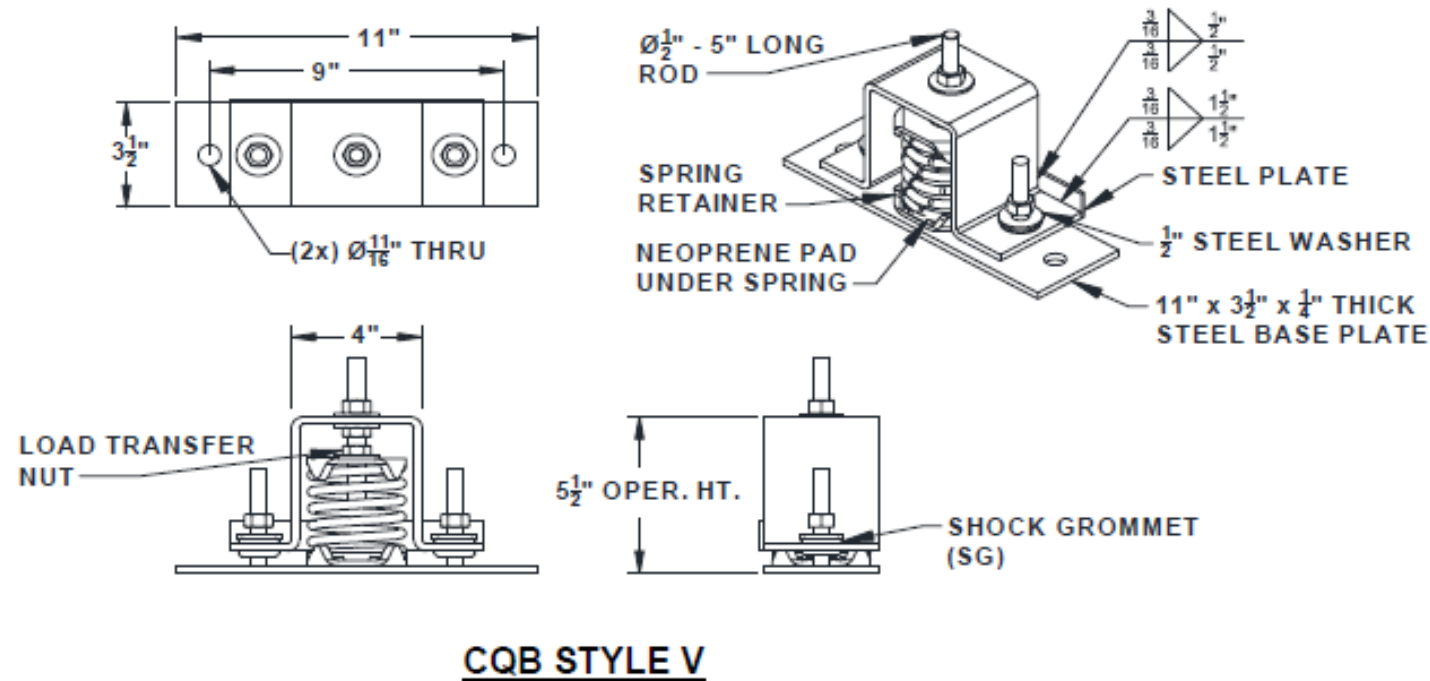


TOTAL	154
Approved	82
Cancelled	0
Commented	20
In-Review	52

OPM Applications: Preapproved

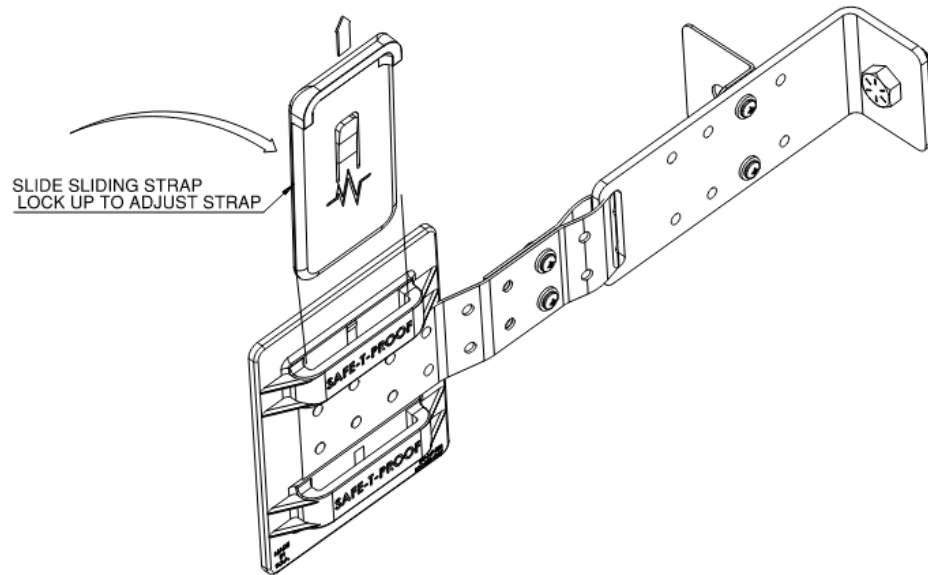
CALDYN

(VIBRATION ISOLATOR WITH RESTRAINT)



OPM Applications: Preapproved

SAFE-T-PROOF (SAFETY STRAP ASSEMBLY)

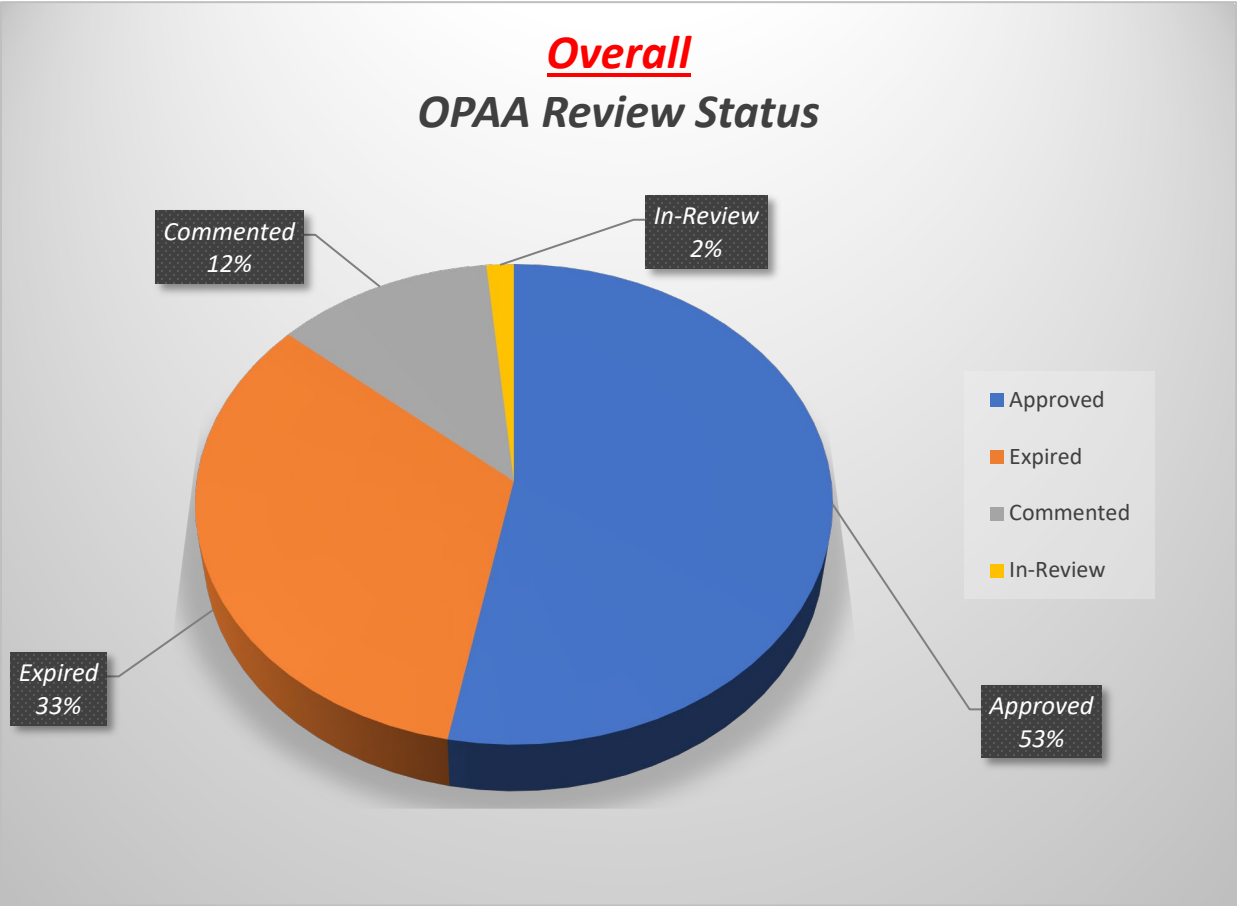


OPM Applications: Coming Down the Road

STERIS/MEDGlas™
(PREFABRICATED WALL
SYSTEM)



OPAA Review Status



Overall
OPAA Review Status

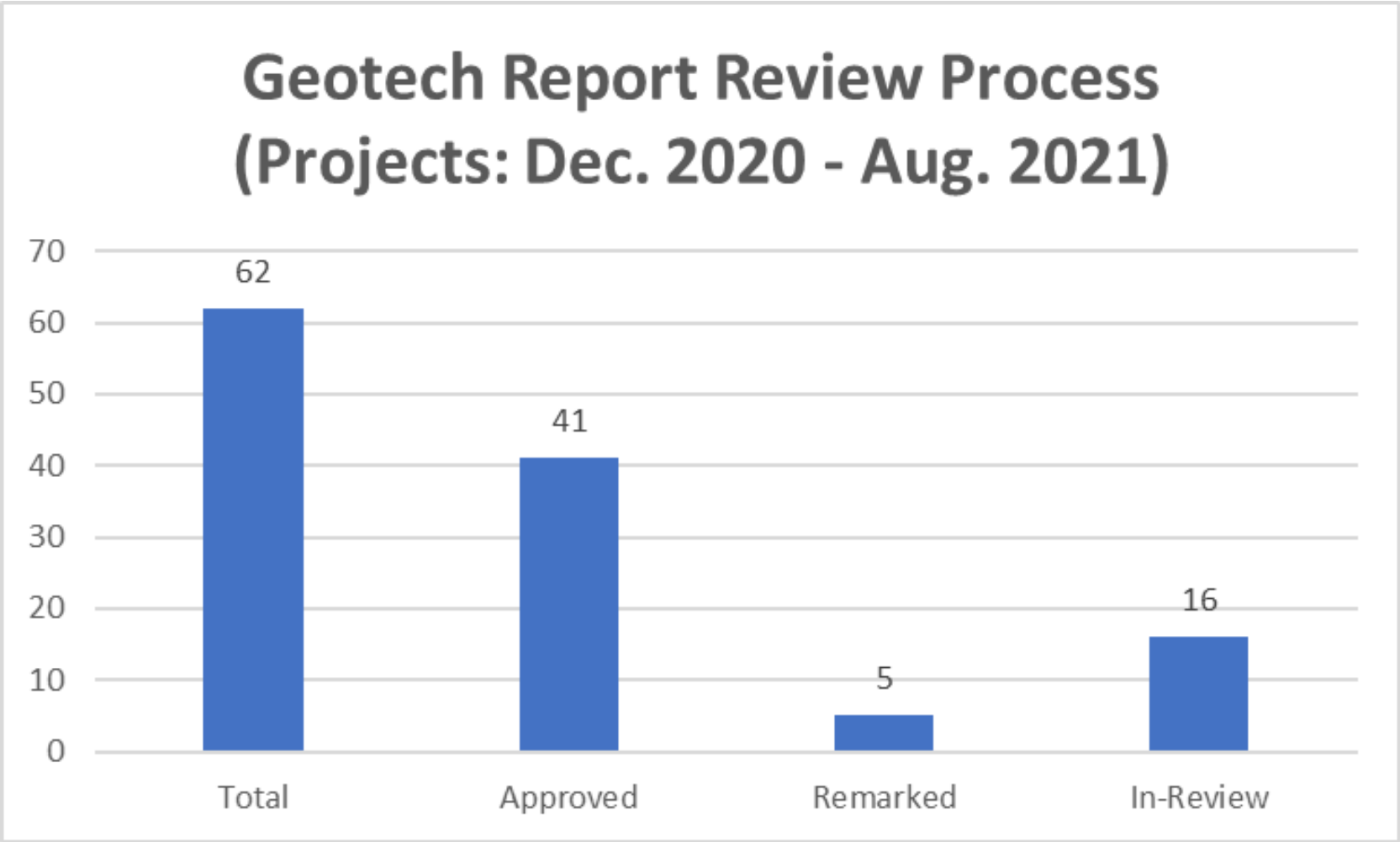
Total	66
Approved	35
Expired	22
Commented	8
In-Review	1

OPAA Application Submittal Requirements

For an OPAA application to be considered complete, all of the following documents shall be submitted electronically (by e-mail or equivalent) to OPAA@OSHPD.CA.GOV:

- a. Completed application in Word format with signature attached (electronic signature embedded).
- b. Application review fee:
 - i. \$1,000.00 for new application for combined Testing and Inspection Agency. \$500 for renewal.
 - ii. \$500.00 for either Testing or Inspection Agency only.
 - iii. \$250.00 for renewal of either Testing or Inspection Agency only.
- c. Attachments verifying the basis of approval, as required by the OPAA application.
- d. Updating of personnel or certification data for test technicians or special inspectors will be invoiced on a Time and Material basis beyond the initial approval. Renewal of the application shall not be used for this process and is limited to within six months of the OPAA expiration date.

Geotech Review Status



Proposed
Structural/Nonstructural
California Amendments

Proposed 2022 CBC Amendments

- **Part 2**

- All amendments except items where our language required coordination with DSA were heard and accepted by the Code Advisory Committee. Coordination items recommended for further study were editorial in nature.
- OSHPD amendments should be posted on the BSC website for then 45-day public comment period shortly.

- **Part 10**

- One item to clarify the intent of the amendment was recommended for further study.



12. Fire Prevention Unit Update

Facilitator: Nanci Timmins, FDD Chief Fire Life Safety Officer
(or designee)

- Fire Prevention Unit to provide an update on accomplishments year-to-date
- Discussion and public input

Nanci Timmins
Chief Fire and Life Safety Officer

HBSB Full Board FPU Update-August 2021

13. Electronic Services Update

Facilitator: Diana Scaturro, FDD Supervisor (or designee)

- Discussion and public input

Electronic (*e*)Services Update

August 18, 2021

eSP Advisory Committee

(11) Member Representatives

- Structural Engineers
- RCO
- Mechanical Engineer
- Architects
- Construction Analyst



- FLSO
- ISU Compliance Officer
- Seismic Compliance Staff
- Project Support Staff
- Structural Support Staff

FDD Business Areas:

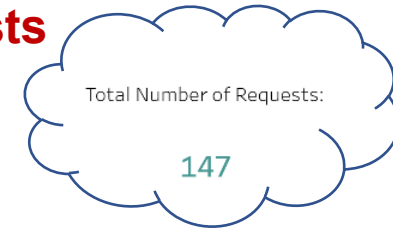
- Accounting
- Building Safety
- Document Management
- EOC
- Field Operations



- Plan Review
- Preapprovals
- Project Closure
- Project Support
- Seismic Compliance
- Structural Support

Committee Focus:

147 Active Requests



eSP Backlog Requests

Select a Request to View Full Details

Select View

- Request List by Rating
- Request List by Created Date

Business Area: | Item Status: | Assigned To: | Committee Priority:

Request Number	Assigned To1	Title1	Rating	
19	Nickles, Alysha@OSHPD	eTIO	125	10.0
153	Chandler, Ray@OSHPD	Activities - Update activity types for 2021	100	0.3
193	Nickles, Alysha@OSHPD	OPAA Record Type in Accela	75	10.0
194	Nickles, Alysha@OSHPD	Accela New UI Rollout	75	8.0
21	Meisel-Klebsch, Michel@OSHPD	Add new statuses to Field Op Reports (FV, SC, CO and CF)	60	
129	Meisel-Klebsch, Michel@OSHPD	XBP How to Guide- Temporary Generator	60	2.0
245	Meisel-Klebsch, Michel@OSHPD	Field Report Quick Key Words	60	
76	Fisher, Robert@OSHPD	ACA - Display Facility Number/Name on Amendment Page Flow	50	0.5
39	Fisher, Robert@OSHPD	Assign Project to Office parking lot then Field parking lot at Const Start	48	0.3
168	Chandler, Ray@OSHPD	AfNP and PAD - New fields for Field Review requested	48	
105	Vaught, John@OSHPD	Create Pop-up at Plan Approval for uncleared OILs at Plan Approval	45	0.5
147	Sumer, Ali@OSHPD	FDD 385 water, gas, and electrical connection form	45	

Strategic Needs Assessment & Workplan Development:

eSP Backlog Requests

Select a Request to View Full Details

- Rating =**
- User Qty
 - Frequency
 - Time Saved

Total Number of Requests:

147

Select View

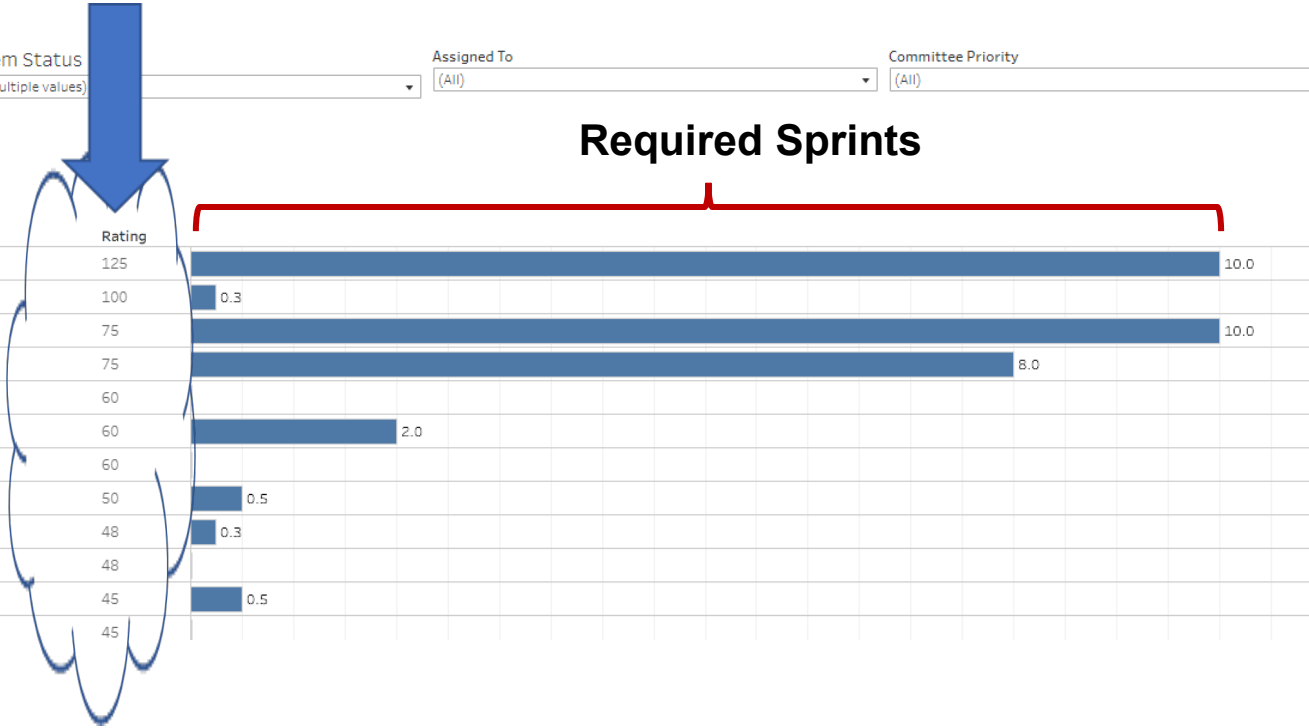
- Request List by Rating
- Request List by Created Date

Business Area: (All) | Item Status: (Multiple values) | Assigned To: (All) | Committee Priority: (All)

Member Assignment

Request Number	Assigned To1	Title1	Rating
19	Nickles, @OSHPD	eTIO	125
153	Chandler, @OSHPD	Activities - Update activity types for 2021	100
193	Nickles, @OSHPD	OPAA Record Type in Accela	75
194	Nickles, @OSHPD	Accela New UI Rollout	75
21	Meisel, Michel@OSHPD	Add new statuses to Field Op Reports (FV, SC, CO and CF)	60
129	Meisel, Michel@OSHPD	XBP How to Guide- Temporary Generator	60
245	Meisel-Klebsch, Michel@OSHPD	Field Report Quick Key Words	60
76	Fisher, Robert@OSHPD	ACA - Display Facility Number/Name on Amendment Page Flow	50
39	Fisher, Robert@OSHPD	Assign Project to Office parking lot then Field parking lot at Const Start	48
168	Chandler, Ray@OSHPD	AfNP and PAD - New fields for Field Review requested	48
105	Vaught, John@OSHPD	Create Pop-up at Plan Approval for uncleared OILs at Plan Approval	45
147	Sumer, Ali@OSHPD	FDD 385 water, gas, and electrical connection form	45

Required Sprints



Current eSP Team Efforts

Click on an item to view description.



Development Team

eSP Team

eSP Team + TruePoint Solutions

eSP Team + Velosimo, Inc.

OSHPD Preapproved Agency (OPAA)*

Approved Agencies for Structural Tests and Special Inspections

Show entries

Search:

OSHPD Preapproved Agency (OPAA) Number	Agency	City	County	State (Use Country name for non-US Labs)	ZIP Code	Testing	Special Inspections	Approval Expiration Date	Comments
--	--------	------	--------	--	----------	---------	---------------------	--------------------------	----------

OPAA Record Type

Purpose:

Ability to submit applications for preapproved agency certification via eCA :

- Capture required application data electronically
- Allow internal staff to review, process and interact with the customer/applicant
- Allow for the customer to pay for processing and reviewal fees online and in the back office.



OSHPD e-Services Portal

Public User Guide

Version Number: 1.1

17 – Application for Preapproval (OPM and OSP)

...and OPAA

Capabilities:

- OPAA record types that can be applied for are as follows:
 - Combined Testing AND Special Inspection Agency
 - Special Inspection Agency ONLY
 - Testing Agency ONLY
 - Updates/Renewals for all of the above

Client Application

- Clients can access OPAA applications in the eServices Portal
- Application must be filled out in its entirety, but it is very intuitive to step through.
- Application sections for a combined OPAA include Agency Information, Accreditation details, Test Standards, and Special Inspections.

1 Agency Information | 2 Accreditation/Qu... | 3 Test Standards | 4 Special Inspections | 5 Supporting Attachments | 6 | 7 | 8

Step 1: Agency Information > Agency Information * indicates a required field.

Test for Error

TEST

Showing 0-0 of 0

Agency	License Type
No records found.	

[Add a Row](#) [Edit Selected](#) [Delete Selected](#)

Application Type

OPAA
Please select type of application being applied for.

* Application Type:

OPAA Agency

Enter the agency's information. *Note that if an agency is located at multiple addresses, you must create a separate record for each address.*

[Select from Account](#) [Add New](#)

OPAA Facility

Enter the facility site information and contact information of the applicant (this person will receive all correspondence pertaining to this application for preapproval).

[Select from Account](#) [Add New](#)

eServices Portal

[Announcements](#) | Logged in as: Alysha Lal | [Collections \(0\)](#)

[Home](#) | [Projects](#) | [Enforcement](#) | **[Preapproval](#)**

[Create an Application](#) | [Search Applications](#)

Select a Record Type

Choose one of the following available preapproval types. For assistance or to apply for a record type at OSP@oshpd.ca.gov or OPM@oshpd.ca.gov.

[Search](#)

▼ Preapproval Program Applications

- OSHDP Preapproved Agency (OPAA)
- Preapproval of Manufacturer Certification (OPM)
- Special Seismic Certification Preapproval (OSP)

[Continue Application >](#)

Document Upload and Payment

- Upon completion of all application sections, users can upload any supporting documentation.
- They can also pay the initial application fee for submittal and to commence OSHPD review.

Attachments

The maximum file size allowed is 300 MB.
ade;adp;bat;chm;cmd;com;cpl;exe;hta;htm;html;ins;isp;jar;js;jse;lib;lnk;mde;mht;mhtml;msc;mst;php;pif;reg;scr;sct;shb;shs;sys;vb;vbe; are disallowed file types to upload.

Name	Record ID	Record Type	Entity Type	Type	Size	Latest Update
OPAA UAT User Accounts.docx	OPAA-0034-PUPD001	Update Testing Technicians and/or Special Inspector List	Record	Copy of Test Technician/Individual Special Inspector's License/Certification showing expiration date(s)	13.53 KB	02/19/2021

page/section of the application.

Step 6. Pay Fees

1	2	3 Certification Method(s)	4 Supporting Attachments	5 Review	6 Pay Fees	7 Record Issuance
---	---	---------------------------	--------------------------	----------	------------	-------------------

The application fee is due at submission. Click **Continue Application** to open the credit card payment window. Enter your credit card information and credit card holder information and click **Submit Payment**.

Review, Approval, Finalization


- The submitted application is then brought into Accela for staff to review and approve in a workflow similar to that of a permitting project.
- Staff can also log time and materials for time spent in each activity that will later be charged to the applicant.

The screenshot shows the Accela workflow management interface for application OPAA-0007 - TruePoint Solutions. The interface includes a navigation menu with options like 'Menu', 'New', 'Supervisor', and 'Help'. Below the menu, there are tabs for 'Workflow', 'Workflow History (7)', 'Related Records', 'Summary', 'Record', 'Field Operations (0)', 'Application History (10)', and 'Cust'. The 'Workflow History' tab is active, displaying a table of tasks. On the left, there is a 'Workflow Tasks' section with a tree view showing four tasks: 'Application Submittal', 'Waiting for Applicant Response', 'Structural Review', and 'Finalizing'. Below this section, it states 'There currently are no ad hoc tasks defined.'

<u>Task</u>	<u>Status</u>	<u>Status Date</u>	<u>Action By</u>
Application Submittal	Accepted for Triage	08/10/2021	Thomas Hornick
Waiting for Applicant Response	Application Docume...	08/10/2021	Accela Admin
Structural Review	Approval Pending	08/10/2021	Thomas Hornick
Finalizing	Completed	08/10/2021	Thomas Hornick


Approved OPAA

- The system generates a report that closely resembles the former OPAA that used to be manually assembled by FDD staff.
- Outstanding fees must be paid before client is provided access to final, approved copy.



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

APPLICATION FOR OSHPD PREAPPROVED AGENCY (OPAA) FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS		OFFICE USE ONLY		
		OPAA-0005		
Approved Agency	City	County	State	ZIP Code
NINYO AND MOORE	SAN JOSE		CA	95131
APPLICATION TYPE				
<input checked="" type="checkbox"/> Combined Testing AND Special Inspection Agency <input type="checkbox"/> Testing Agency ONLY <input type="checkbox"/> Special Inspection Agency ONLY				
APPLICANT INFORMATION				
Applicant Name MARK HAHLE		Position in the Organization Director of Construction Services		
Agency's Local Name		Application Date 8/5/2021		
Phone Number (408) 435-9000	E-mail MHAHLE@NINYOANDMOORE.COM			
Address of Facility Location (Each facility location requires separate application.)				
Street 2149 O'TOOLE AVENUE, SUITE 30				
City SAN JOSE	County	State CA	Zip Code 95131	
Facility Mailing Address (if different from facility address above.)				
Street 2149 O'Toole Avenue, Suite 30				
City San Jose		State CA	Zip Code 95131-	
Key Agency Personnel				
Engineering Manager - Name Timothy Sneddon	CA Registration Number	Expiration Date		
Title in the Organization Principal Engineer	Phone Number (408) 435-9000			
Alternate Phone Number (408) 435-9006	E-Mail TSNEDDON@NINYOANDMOORE.COM			
Key Agency Personnel				
Alternate Engineering Manager - Name None None	CA Registration Number	Expiration Date		
Title in the Organization None	Phone Number () -			
Alternate Phone Number	E-Mail None@none.com			



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

APPLICABLE TEST STANDARDS FOR WHICH AGENCY IS APPROVED			
By checking "yes" in Tables 1 through 6 below, the applicant verifies that the agency has the equipment and qualified personnel to perform the indicated testing. ONLY mark tests that are listed in accreditation certificate or DSA-LEA.			
1	SOILS AND FOUNDATIONS		
Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM D 1140	No. 200 Wash	ASTM D 1556	Density of Soils – Sand Cone
ASTM D 1557	Soil Compaction – Modified	ASTM D 2216	Water Content of Soil
ASTM D 2487	Classification of Soils	ASTM D 421	Dry Prep of Soil
ASTM D 422	Particle Size Analysts	ASTM D 4318	Liquid I Plastic Limit
ASTM D 4718	Oversize Rock Correction	ASTM D 4829	Expansion Index
ASTM D 6913	Gradation of Soil Using Sieve Analysis	ASTM D 6938	Density of Soils – Nuclear Gage
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Standard	Test Procedure	Standard	Test Procedure
2	CONCRETE		
Tests			
Standard	Test Procedure	Standard	Test Procedure
AASHTO M 201	Moisture Rooms	ASTM C 1064	Temperature
ASTM C 117	No. 200 Wash	ASTM C 1231	Unbonded Caps
ASTM C 136	Sieve Analysis Course I Fine	ASTM C 138	Density I Yield I Air Content
ASTM C 143	Slump	ASTM C 172	Sampling Freshly Mixed Concrete
ASTM C 173	Air Content (V)	ASTM C 192	Making I Curing Specimens - Lab
ASTM C 231	Air Content (P)	ASTM C 29	Unit Weight I Voids
ASTM C 31	Concrete Sampling - Field	ASTM C 39	Compressive Strength
ASTM C 40	Organic Impurities	ASTM C 42	Concrete Core
ASTM C 511	Moist Cure Rooms/Tanks	ASTM C 566	Moisture Content of Aggregate
ASTM C 617	Capping Concrete Specimens		
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Standard	Test Procedure	Standard	Test Procedure

Personnel Updates

- OPAA Record Type in Accela will include agency ability to amend/update test technicians and special inspectors quickly and efficiently.

Home Projects Enforcement **Preapproval**

Create an Application Search Applications

Records

To pay invoices, click the Pay Fees link, or click [Shopping Cart Payment Portal](#). You must be logged in to eCA to access the payment portal. See eCA Online Payment Instructions for more information.

If you are trying to Renew an existing Preapproval, click the Update/Renew link under the action column.

If no link is visible, your user account is not associated to the record. Contact OSP@oshpd.ca.gov or OPM@oshpd.ca.gov to get your account associated with the record. Please provide the record number (Ex: OPM-0544), first and last name, and email address of your user account.

Page 1-2 of 2 | [Download results](#) | [Add to collection](#) | [Copy Record](#)

Record Number	Record Type	Product	Product Sub-Category	Product Model(s)	Status	Action
OPAA-0051	OSHPD Preapproved Agency (OPAA)	TruePoint Solutions	Testing Agency ONLY	Agency Local Name: TruePoint Solutions	Active	Update/Renew

Home Projects Enforcement **Preapproval**

Create an Application Search Applications

Select an Update/Renewal Type

Choose one of the following available update/renewal types. For assistance or to apply for an amendment type not listed below please contact us at OSP@oshpd.ca.gov or OPM@oshpd.ca.gov.

OSHPD Preapproved Agency (OPAA)
 Update Testing Technicians and/or Special Inspector List

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

7		TEST TECHNICIANS				
Provide Following Information for Each Test Technician Employed by the Agency (Attach additional sheets if needed)						
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.						
Test Technician's Name	Certification/ License	Certification/ Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant	
Silas Byers	Nuclear G					
Silas Byers	Concrete F Testing Te Grade I					
Zachary Detter	Nuclear G					
Zachary Detter	Concrete F Testing Te Grade I					
Jack Leon	Nuclear G					
Jack Leon	Concrete F Testing Te Grade I					
Nicholas Mahnke	Nuclear G					
Nicholas Mahnke	Concrete L Testing Te Level 1					
Nicholas Mahnke	Concrete S Testing Te					
Nicholas Mahnke	Concrete F Testing Te Grade I					
Joshua Miller	Concrete F Testing Te Grade I					
Joshua Muller	Nuclear G					
Johnny Roberson	Concrete F Testing Te Grade I					
Joshua Swain	Nuclear G					

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

14		SPECIAL INSPECTORS				
Provide Following Information for Each Special Inspector Employed by the Agency (Attach additional sheets if needed)						
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.						
Inspector's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant	
Mark Hahle	Level III Construction Materials Testing Concrete	Other: NICET	82143	05/01/2024	Full-Time	
Mark Hahle	Level III Transportation Engineering Technology Highway Materials	Other: NICET	82143	05/01/2022	Full-Time	
Mark Hahle	Master of Special Inspections	ICC	1141392	05/19/2024	Full-Time	
Mark Hahle	Soils Special Inspector	ICC	1141392	05/19/2024	Full-Time	
Mark Hahle	Spray Applied Fire Proofing Special Inspector	ICC	1141392	05/19/2024	Full-Time	
Mark Hahle	Structural Masonry Special Inspector	ICC	1141392	05/19/2024	Full-Time	
Mark Hahle	Structural Welding Special Inspector	ICC	1141392	05/19/2024	Full-Time	
Mark Hahle	Structural Steel and Bolting Special Inspector	ICC	1141392	05/19/2024	Full-Time	
Mark Hahle	Prestressed Concrete Special Inspector	ICC	1141392	05/19/2024	Full-Time	
Mark Hahle	Reinforced Concrete Special Inspector	ICC	1141392	05/19/2024	Full-Time	
Jalal Keramat	Structural Steel and Bolting Special Inspector	ICC	8255109	06/13/2024	Full-Time	
Jalal Keramat	Prestressed Concrete Special Inspector	ICC	8255109	06/13/2024	Full-Time	
Jalal Keramat	Structural Welding Special Inspector	ICC	8255109	06/13/2024	Full-Time	
Joe Nemeo	Certified Welding Inspector	AWS	02121481	12/01/2021	Full-Time	
James Torrez	Structural Masonry Special Inspector	ICC	5219117	12/31/2028	Full-Time	

eSP Payment Portal Upgrade

- Anticipated release date: 10/4/2021
- Utilizes the “Hosted Payments” secure processing service provided by Elavon
- Allows users to pay multiple invoices across multiple project records
- Search based on Keyword, Facility Number, Project Number or Invoice Number



Keyword 



Facility Number



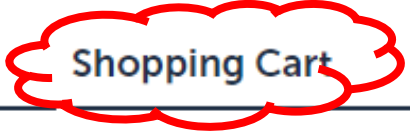
Project/Record Number 



Invoice Number



Results



Construction Projects

10604 - Kaiser Foundation Hospital - Sacramento

S190971-34-00 283304 \$26437.88

S200268-34-00

283439 \$2517.40

S200268-34-00-ACD0001 283462 \$752.36

S202280-34-00 283399 \$25.16

S181223-34-00

S182691-34-00

S182691-34-00-ACD0007 281224 \$250.00

S182691-34-00-ACD0007 281744 \$250.00

S182951-34-00

S190401-34-00

S192126-34-00

S200582-34-00

S201075-34-00

10670 - Kaiser Foundation Hospital - Fontana

Contents

- S190971-34-00 (Invoice#: 283304 - \$26437.88)
- S200268-34-00-ACD0001 (Invoice#: 283462 - \$752.36)
- S182691-34-00-ACD0007 (Invoice#: 281224 - \$250.00)
-
-
-
-
-
-
-
-
-
-
-
-

[Export](#) [Check-Out](#)

Total: \$27440.24

Service Fee separately charged by Elavon and is non-refundable. If you do not want to pay this fee, click **Cancel Payment** and pay by alternative means.

Order Section

This payment will be processed as two separate payments (for Amount and Service Fee)

Amount **27,440.24 USD**

Service Fee (2.1%) **576.25 USD**

Total of all charges and fees **28,016.49 USD**

Service fee is non-refundable.

CHECKOUT

Shopping Cart Features:

- **2.1% Service Fee** will be collected upon checkout.
- **No maximum transaction limit.** The previous limit was \$10,000.00.
- Must have an eCA account to make a transaction, but the **user does not have to be a delegate of a design professional or associated with a facility** in order to make a payment.
- OSHPD will **no longer accept one-time use credit card payment** authorizations sent through email.

Communication Strategy:

- Announcement will be posted on eSP to alert users of the upgrade on 9/1/2021
- Accounts Payable departments who use one-time credit card payment authorizations will be notified on 9/1/2021
- Invoice Updates
 - Text to advise that a 2.1% Service Fee will be collected for credit card transactions
 - Removal of credit card information fields that was used for clients who faxed payment information



eTIO

Testing, Inspection, and Observation Program 2019 California Building Standards Code - OSHPD 1

This program is prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for: general acute care hospitals, acute psychiatric hospitals, and general acute care hospitals providing only acute medical rehabilitation center services.

SECTION A		PROJECT INFORMATION	
Facility #:		Project #:	Sub #:
Facility Name:			
Street Address:	County:		
City:	Record Name (Scope of Project):		

- Abbreviations:
- CAC: California Administrative Code
 - CBC: California Building Code
 - CEC: California Electrical Code
 - CMC: California Mechanical Code
 - CPC: California Plumbing Code
- AAMA: American Architectural Manufacturers Association
NFPA: National Fire Protection Association
FM: FM Approval Standards
DPOR: Design Professional of Record
- Version: R03.7.5

DESIGN PROFESSIONAL OF RECORD RESPONSIBILITY

The administration of the work of construction, including this TIO, shall be under the responsible charge of an architect and structural engineer. When a structural engineer is not substantially involved, the architect shall be solely responsible. Where neither structural nor architectural elements are substantially involved, a mechanical or electrical engineer registered in the branch of engineering most applicable to the project may be in responsible charge. (CAC 7-141(a))

Note: OSHPD plan review staff must provide verification that the TIO program has been "Reviewed" prior to plan approval to confirm the applicability of the tests and inspections identified in the TIO program for work scope, building systems, and the construction materials shown in the design drawings. Field staff will issue subsequent "TIO Program Approval".

The "TIO Program Approval" from OSHPD field staff must be obtained and included with the notice of start of construction required by CAC Section 7-137(a)4 and 7-145(a)5.A

Construction shall not commence until the health facility has obtained from OSHPD "TIO Program Approval".
(CAC Section 7-135(a)3)

DEFINITIONS:

- PARTICIPANTS
- TESTS
- INSPECTIONS
- DOCUMENTS REQ
- MILESTONES

MAKE ASSIGNMENTS FOR EACH PHASE

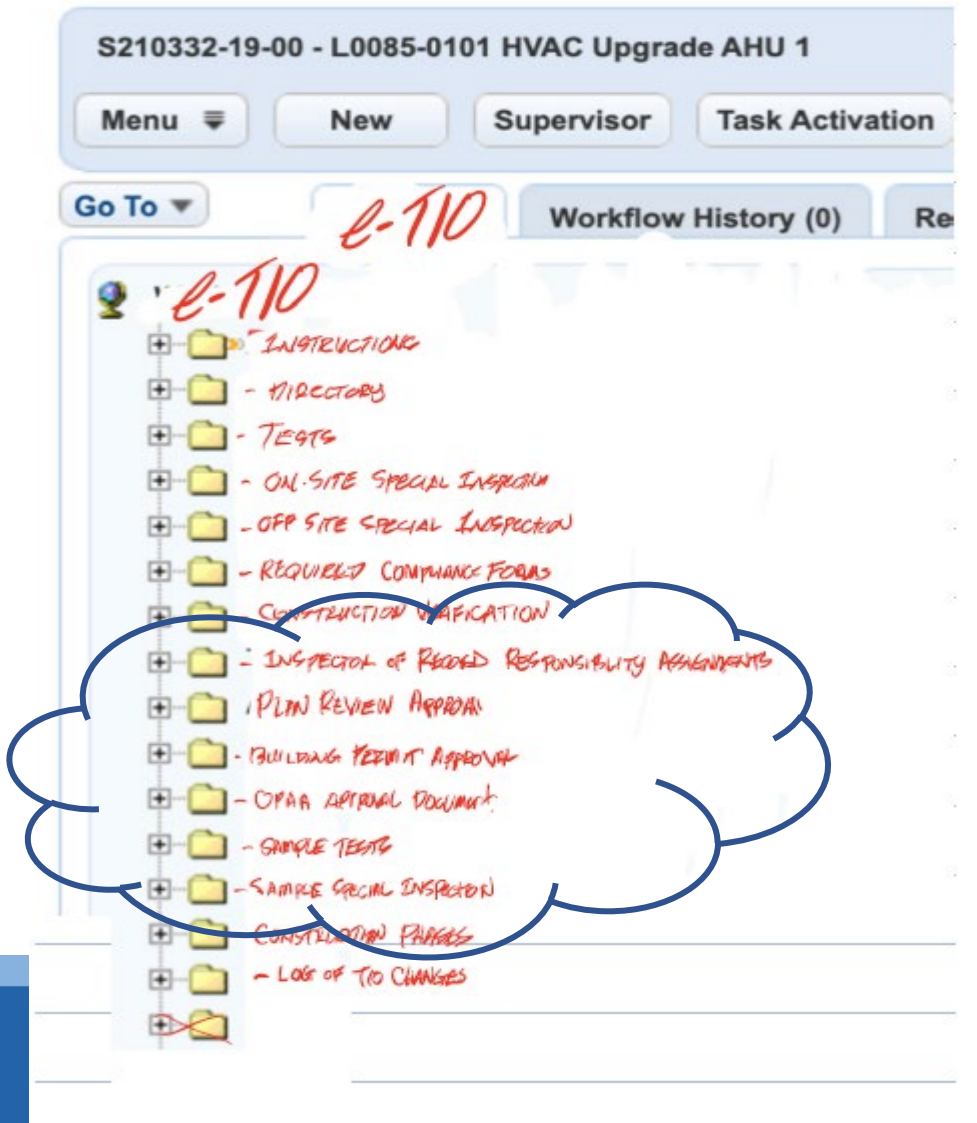
PROJECT PHASES

STEP ONE: Populate the Data Fields

DEFINITIONS:

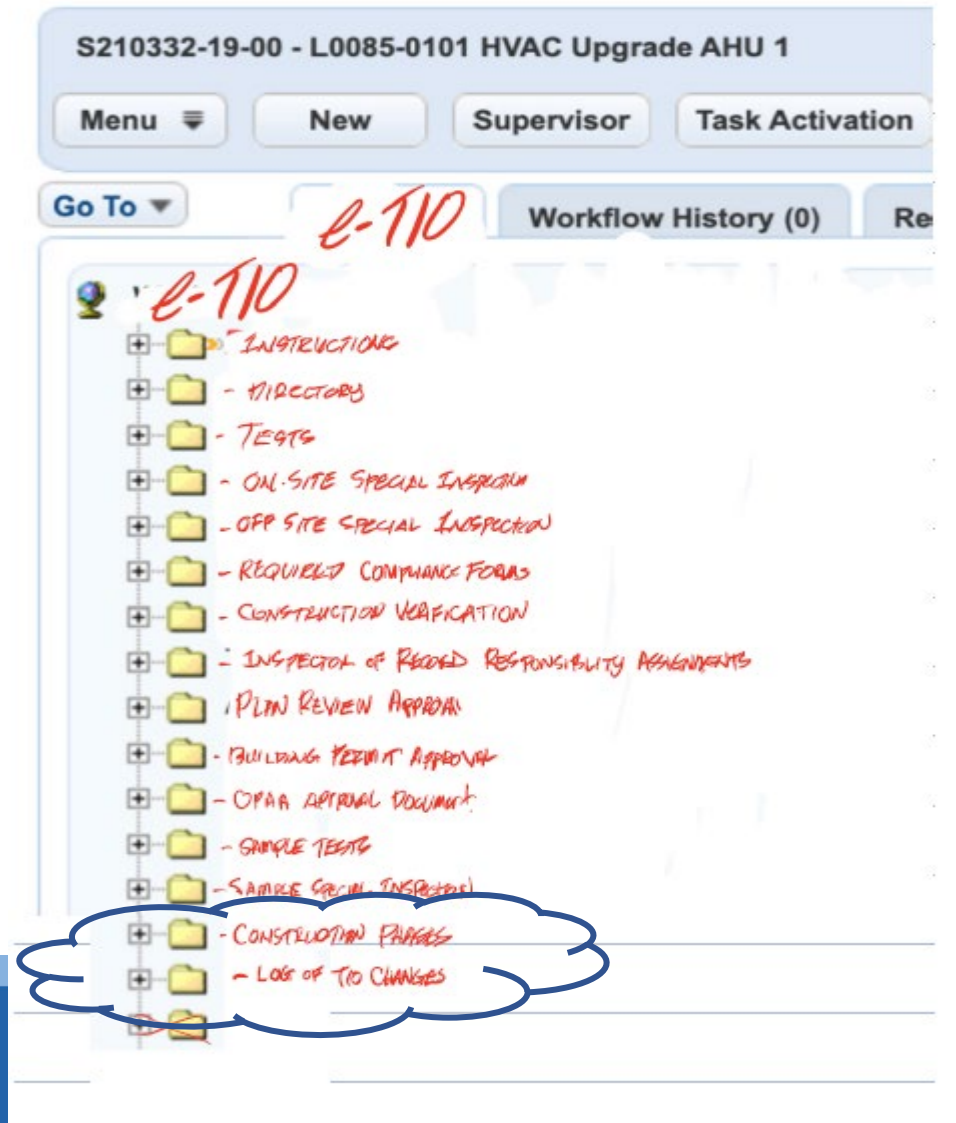
- PARTICIPANTS From Database Contacts Lists
- TESTS Current TIO Section B
- INSPECTIONS Current TIO Sections C & D
- DOCUMENTS REQD Current TIO Section E
- MILESTONES Current TIO Section F

STEP TWO: Populate **more** Data Fields



- IOR Responsibility Assignments
- Plan Review Approval
- Building Permit Approval
- OPAA Approval Documents
- Sample Test Reports
- Sample Special Inspection Reports

STEP THREE: Add the 4th Dimension... Time



- Construction Phases
- TIO Change Logs

Construction Phase Identification:

PHASE DEFINITION

TOTAL NUMBER OF PHASES: 1

PHASE NO 1:

NAME: DICKERY TEST

DESCRIPTION: Redo
THE KITCHEN

TYPE:

DROP DOWN MENU OF
POSSIBLE PHASES TYPES

BUILDING
FLOOR
DEPARTMENT
AREA
ROOM
TRADE
SYSTEM

ADD ANOTHER?

MAKE TID ELEMENT ASSIGNMENTS?

STEP FOUR: Associate Tests & Inspections to Construction Phases

DPORs/Alternates/Delegates

TIO ELEMENT ASSIGNMENTS

PHASE 1: "NARINE AUTOFILL"

DIRECTORY:

OWNER: AUTOFILL

GC: AUTOFILL

DPOR/ALTERNATES/DELEGATES

SELECTION BOX
FROM
"DEFINITION"
SECTION

<input checked="" type="checkbox"/>	SUSIE
<input type="checkbox"/>	JOE
<input type="checkbox"/>	ROB
<input checked="" type="checkbox"/>	ALYSHA

IORs

TIO ELEMENT ASSIGNMENTS

PHASE 1: "NARINE AUTOFILL"

DIRECTORY:

IOR:

SELECTION BOX
FROM
"DEFINITION"
SECTION

<input checked="" type="checkbox"/>	PAUL
<input type="checkbox"/>	CHRIS
<input type="checkbox"/>	GORDON
<input checked="" type="checkbox"/>	GARY

Special Inspectors

TIO ELEMENT ASSIGNMENTS

PHASE 1: "NARINE AUTOFILL"

DIRECTORY:

SPECIAL INSPECTOR

SELECTION BOX
FROM
"DEFINITION"
SECTION

<input checked="" type="checkbox"/>	CESAR
<input type="checkbox"/>	MONICA
<input type="checkbox"/>	JOE
<input checked="" type="checkbox"/>	MICHELLE

Etc..
Etc..
Etc..

Targeted Benefits:

- ✓ Modifiable
- ✓ Expandable
- ✓ Current
- ✓ Accessed Remotely by IORs, DPORs, and OSHPD
- ✓ Flexible Search Criteria
- ✓ Data Field Validation
- ✓ Pertinent TIO Documents Associated to TIO Record



14. FDD Update

Facilitator: Chris Tokas, Acting FDD Deputy Director (or designee)

- Workload and performance
- Personnel changes
- Discussion and public input

Facilities Development Division

California's Building Department for Hospitals

Paul A. Coleman, Architect, Deputy Director (Retired)
Chris Tokas, S.E., F. SEAOC, Deputy Director (Acting)
Richard Tannahill, Architect, Deputy Division Chief (Acting)
Arash Altoontash, Ph.D., S.E., Deputy Division Chief
Roy Lobo, Ph.D., S.E., Principal Structural Engineer
Diana Scaturro, Architect, Supervisor, North Region
Nanci Timmins, Chief Fire Life Safety Officer 
Joe LaBrie, S.E., Supervisor, Inspection Services Unit Supervisor



Update for the Hospital Building Safety Board

August 18, 2021

A Tribute to Paul Coleman

on the
Occasion of His
Retirement



Paul A. Coleman, Architect, OSHPD/FDD Deputy Director
Retired, Friday July 31, 2021

- Deputy Director 12 years
- More than 30 years State Service



Acting Deputy Division Chief – Northern California

Richard Tannahill,
Architect



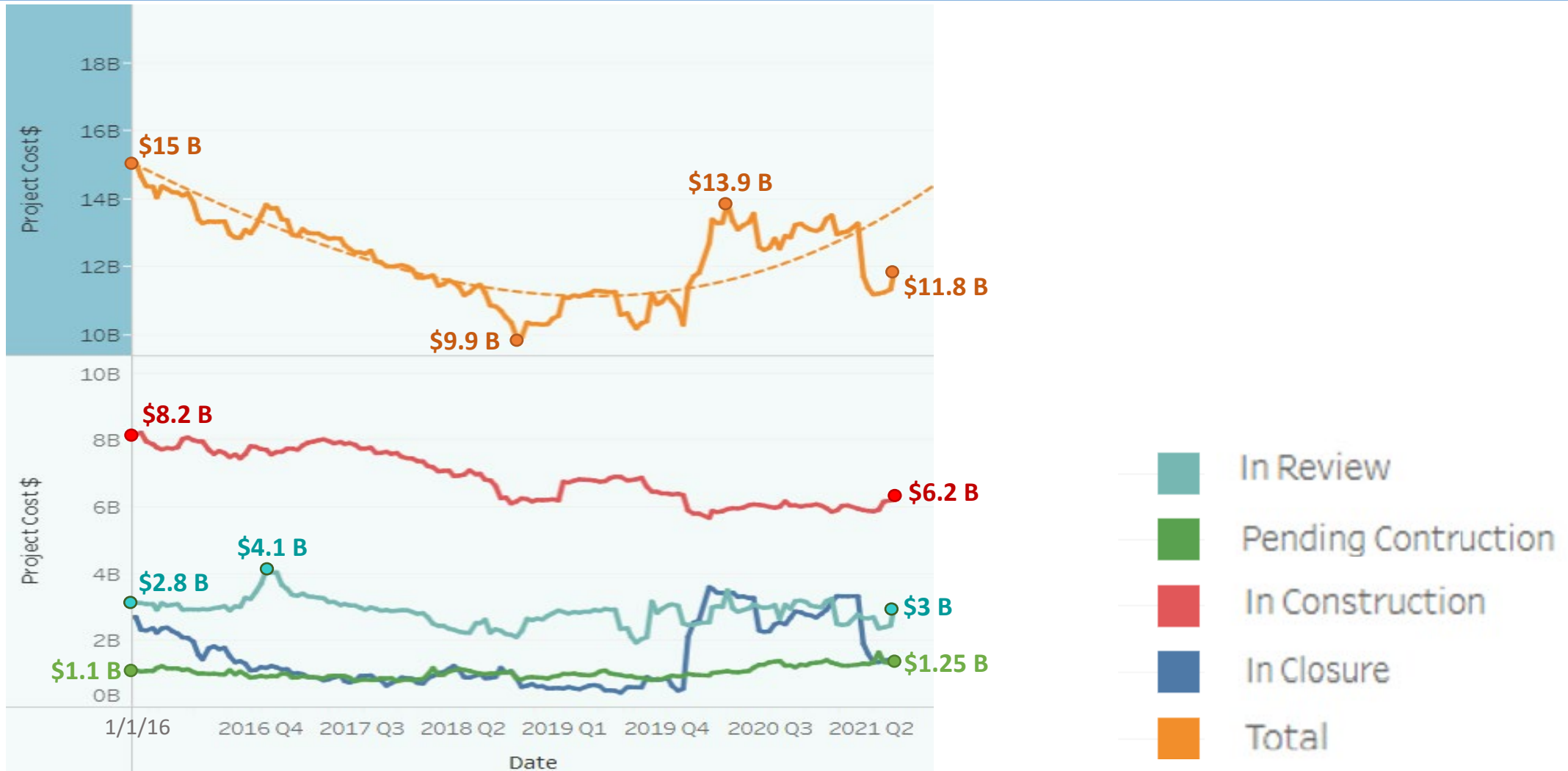
Assignment Effective Date:
Monday, August 2, 2021

- More than 26 years of experience in healthcare design and construction including being the principal in charge of several large hospital projects.
- Served in several capacities on the Hospital Building Safety Board
- Supervisor of Building Standards Unit
- Bachelor's degree in Business Management Information Systems
- Served as a Master Commissioner with the California Architect's Board Supplemental Exam

Workload in Construction \$\$\$

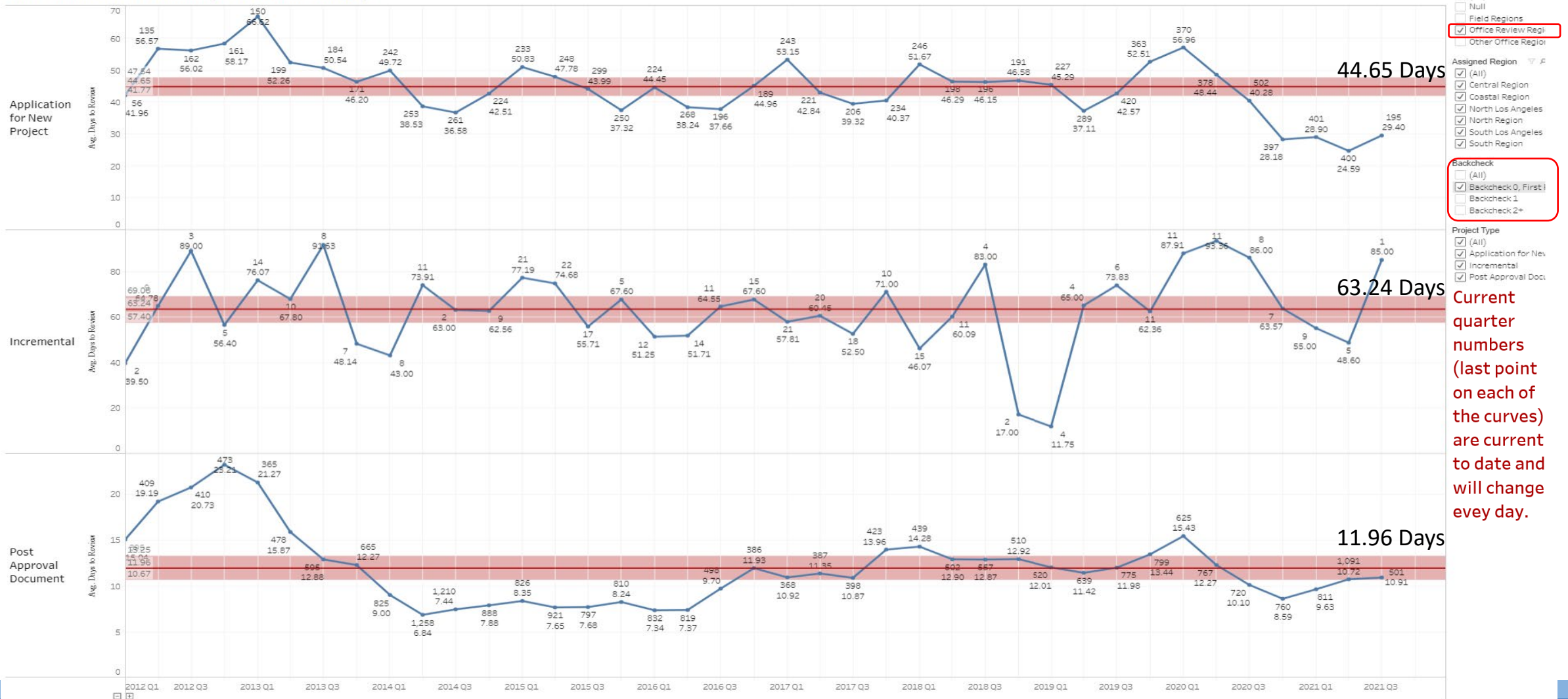
	In Review	Pending Construction	In Construction	In Closure	
Central Region	\$289,110,603	\$138,757,015	\$706,986,490	\$552,258,333	
Coastal Region	\$737,311,285	\$202,598,972	\$1,218,073,101	\$18,163,975	
North Region	\$114,898,716	\$208,147,911	\$1,075,250,685	\$363,089,638	
Rapid Review Unit	\$0	\$1,593,968	\$72,670,791	\$13,276,993	
North Los Angeles Region	\$1,150,843,445	\$331,881,292	\$1,328,054,528	\$181,482,445	
South Los Angeles Region	\$334,911,492	\$139,846,994	\$562,854,786	\$19,850,895	
South Region	\$374,851,747	\$222,289,178	\$1,279,468,233	\$210,562,482	
Sum	\$3,001,927,289	\$1,245,115,329	\$6,243,358,614	\$1,358,684,761	\$11,849,085,993

Workload in Construction Costs for Projects Over Time



Quarterly Performance History – Office First Reviews

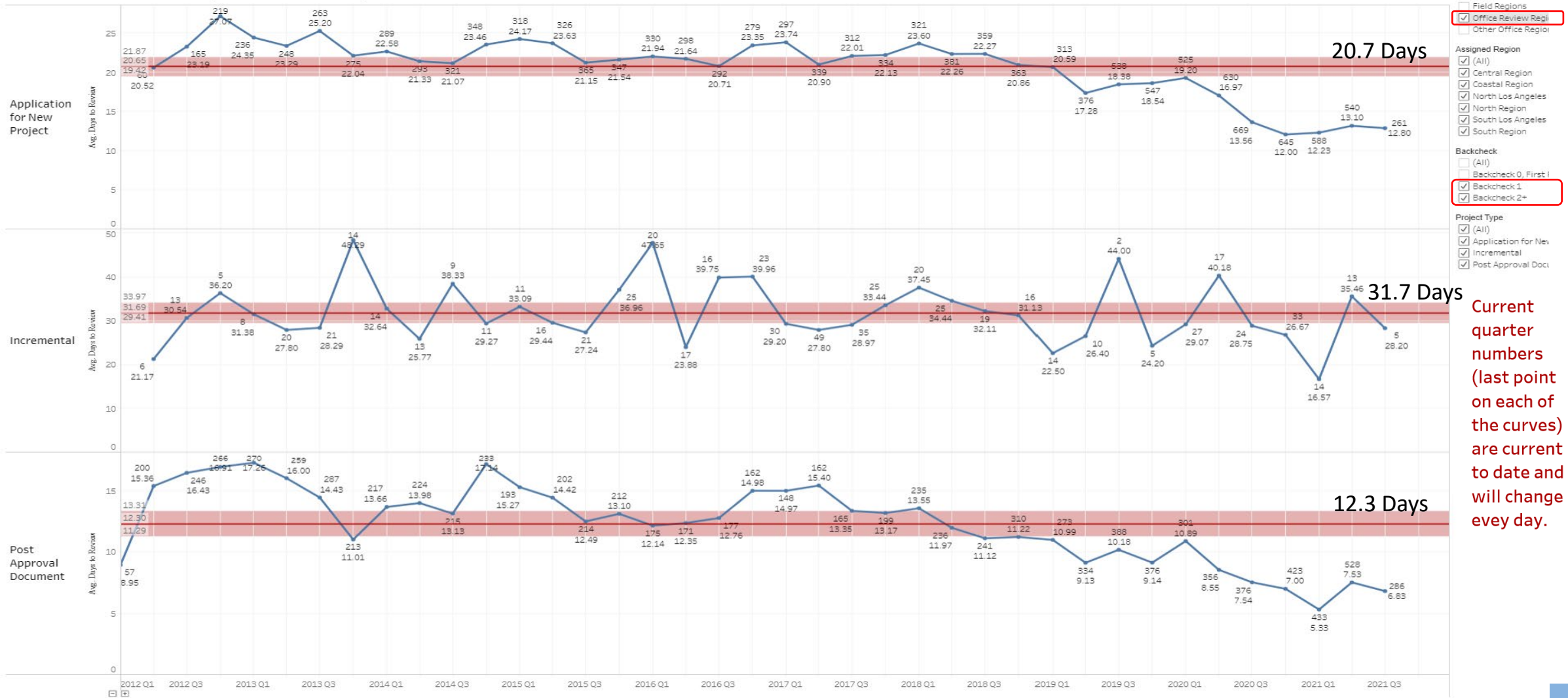
2012 Q1 to 2021 Q3 Quarterly Performance History



Current quarter numbers (last point on each of the curves) are current to date and will change every day.

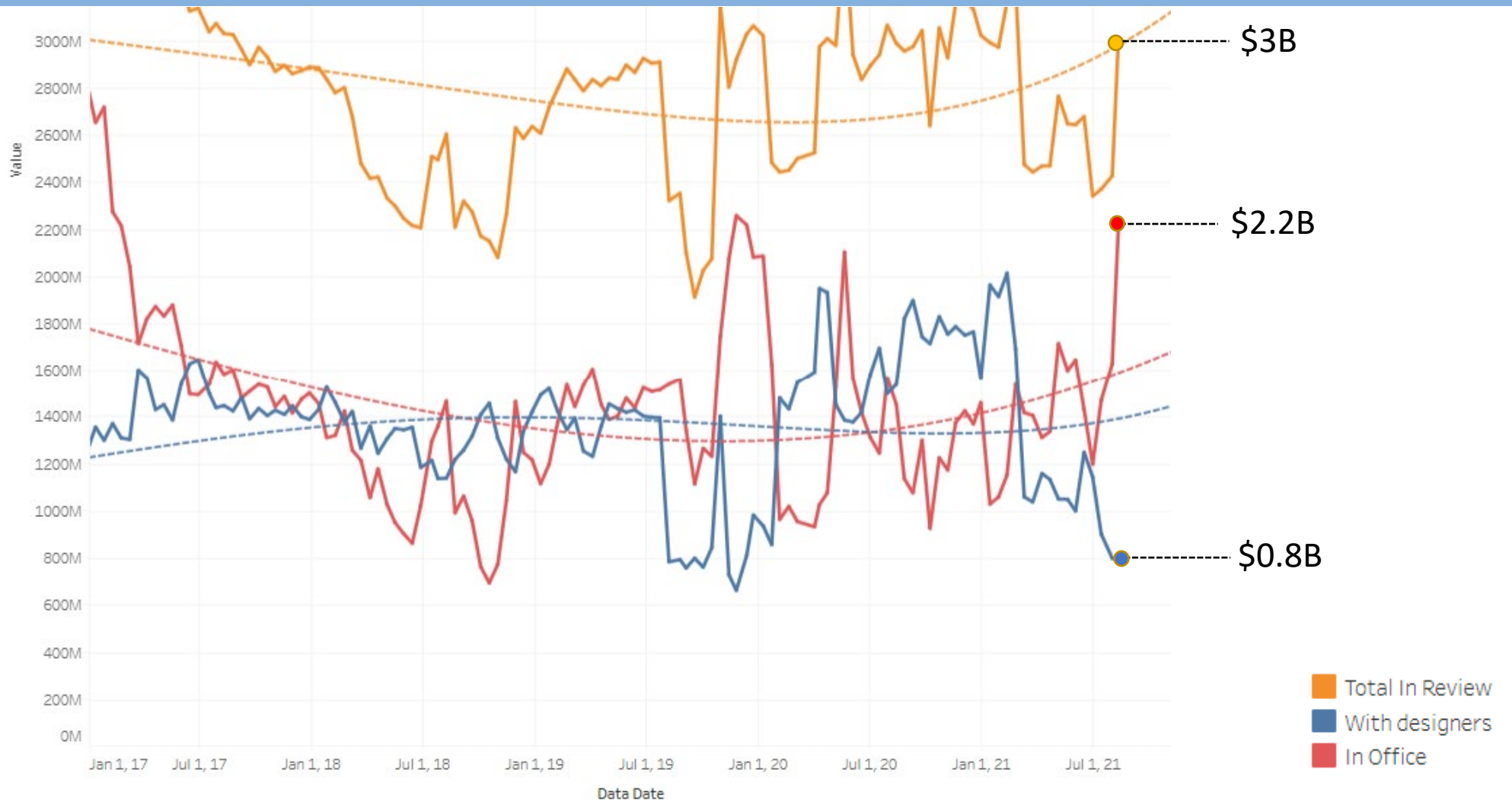
Quarterly Performance History – Office Back Checks

2012 Q1 to 2021 Q3 Quarterly Performance History



Current quarter numbers (last point on each of the curves) are current to date and will change every day.

Who Has My Plans?



Plan Approval Date Estimator



BinsDashboardWeb

Average OSHPD Plan Approval Time for S/H Projects

Adjust the project criteria below to view an estimated plan approval time for your project. If no data is displayed, there is no similar project data available to create an estimate.

Kind of Project	Cost Range	Review Type	Field or Office Review	Does Project Include Primary Gravity and/or Lateral Load Elements/Systems?	Is the Project a Managed Project?
Remodel	between \$175,000...	Electronic	Office	No	No

Total Number of Projects in Group
1,001

Average Calendar Days to Plan Approval
148

Average Calendar Days with OSHPD
66

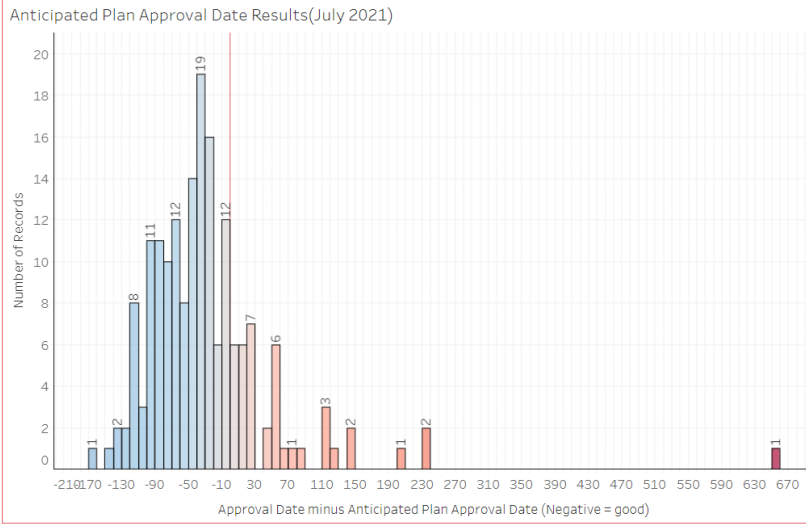
Average Calendar Days not with OSHPD
81

Average Backchecks
1

Average Hours Spent to Approve Plans
30

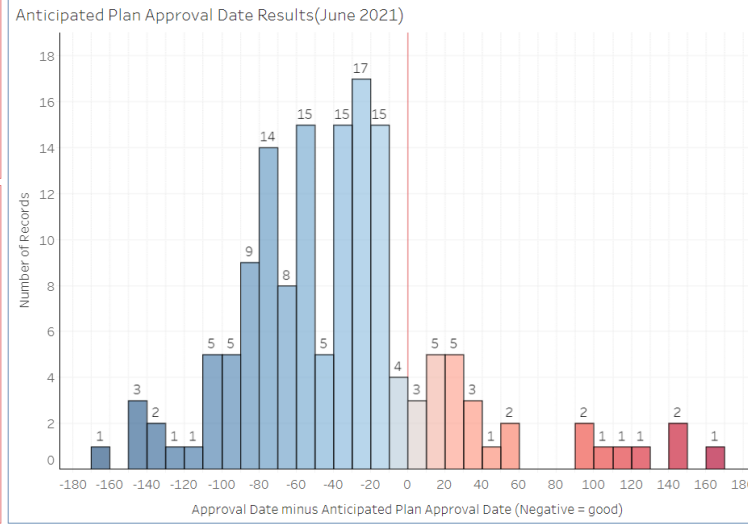
Based on historical data and the average displayed below, if your plans are accepted for triage tomorrow (4/8/2021), we anticipate that your plans will be approved on 9/2/2021.

Anticipated Approval Date Results - July 2021



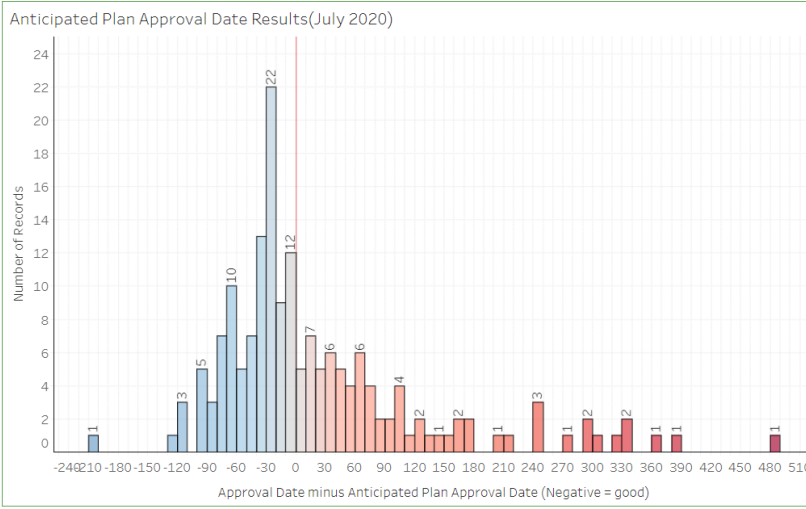
Number of Records Approved:
176

Number of Records meeting or beating APAD:
137 (78%)



Number of Records Approved:
147

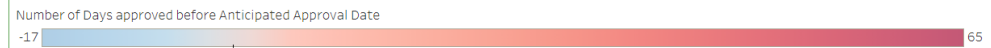
Number of Records meeting or beating APAD:
123 (84%)



Number of Records Approved:
173

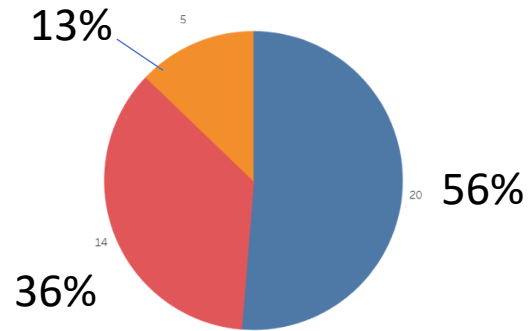
Number of Records meeting or beating APAD:
99 (57%)

Limit Date for this dashboard is 6/1/2018 - do not select date before 6/1/2018

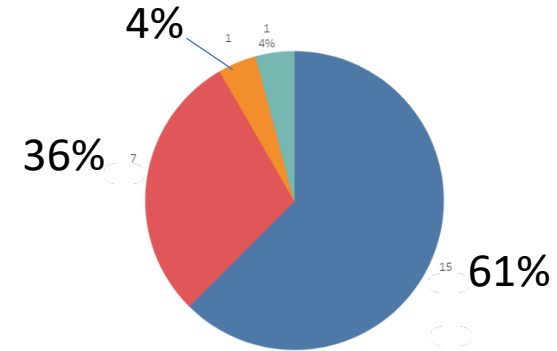


Why APAD Was Exceeded – July 2021

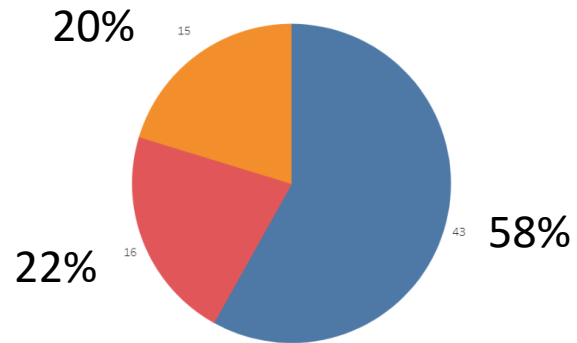
Why Anticipated Project Approval Date was exceeded(July 2021)



Why Anticipated Project Approval Date was exceeded(June 2021)



Why Anticipated Project Approval Date was exceeded(July 2020)



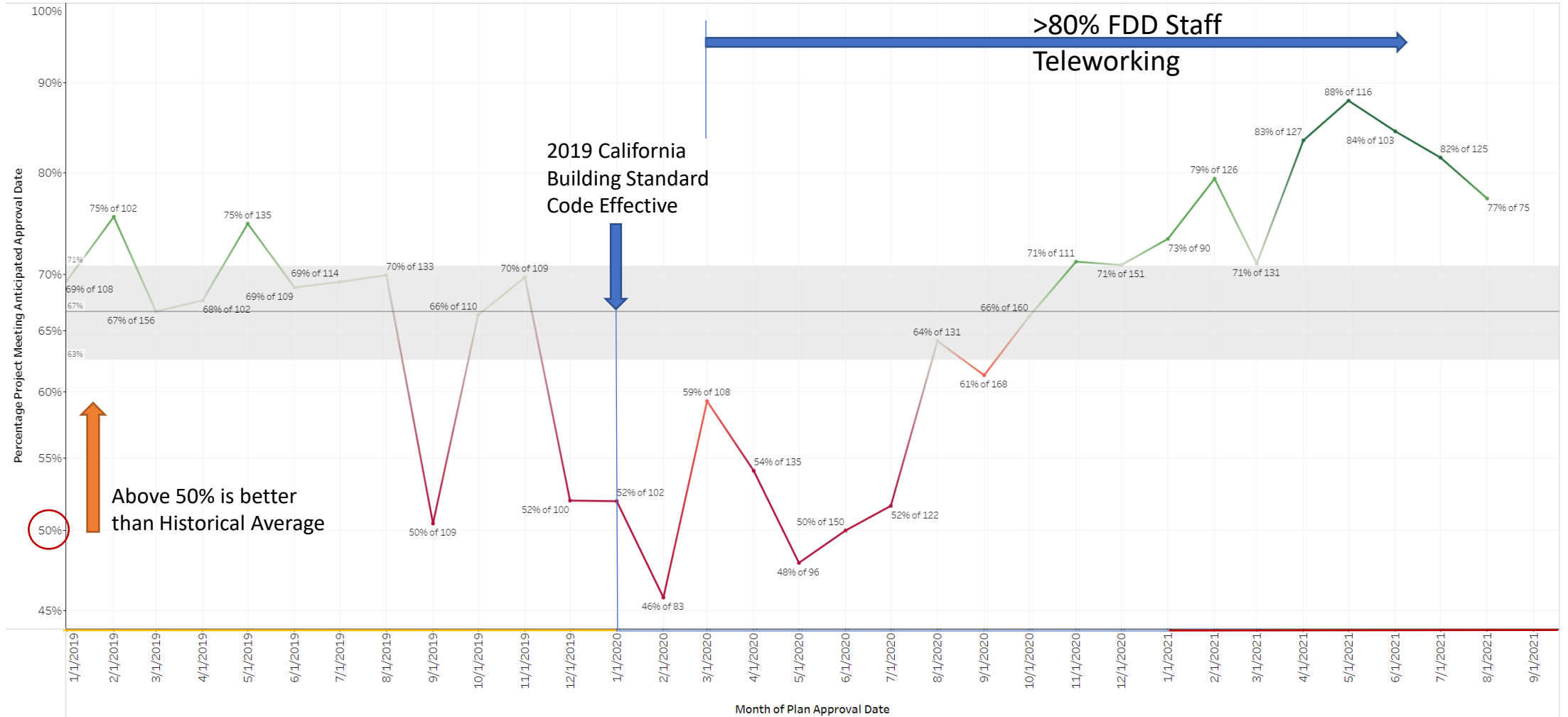
Limit Date for this dashboard is 6/1/2018 - do not select date before 6/1/2018

Reason for APAD Exceedance

- Both OSHPD and Professionals exceeded average custody
- Professionals exceeded average custody
- OSHPD exceeded average custody

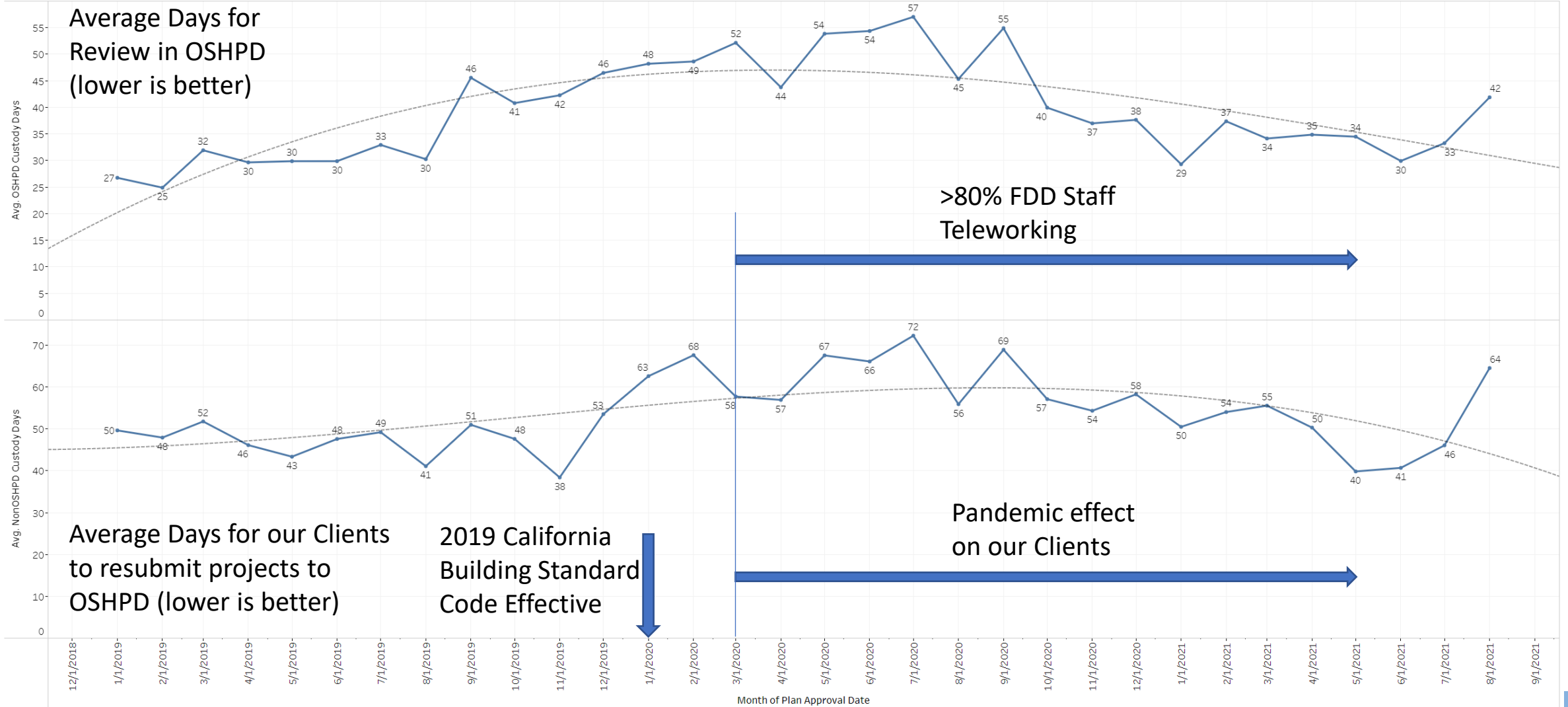
Anticipated Plan Approval Date

Year over Year Comparison of Records Meeting or Beating APAD:



Anticipated Plan Approval Date

Year over Year Comparison OSHPD and NonOSHPD Custody Days





Project ID:

This remodel project was reviewed **electronically** in the office and has a total cost **between \$175,000 and \$500,000**. All averages (red lines) displayed are based on projects in the same categories.



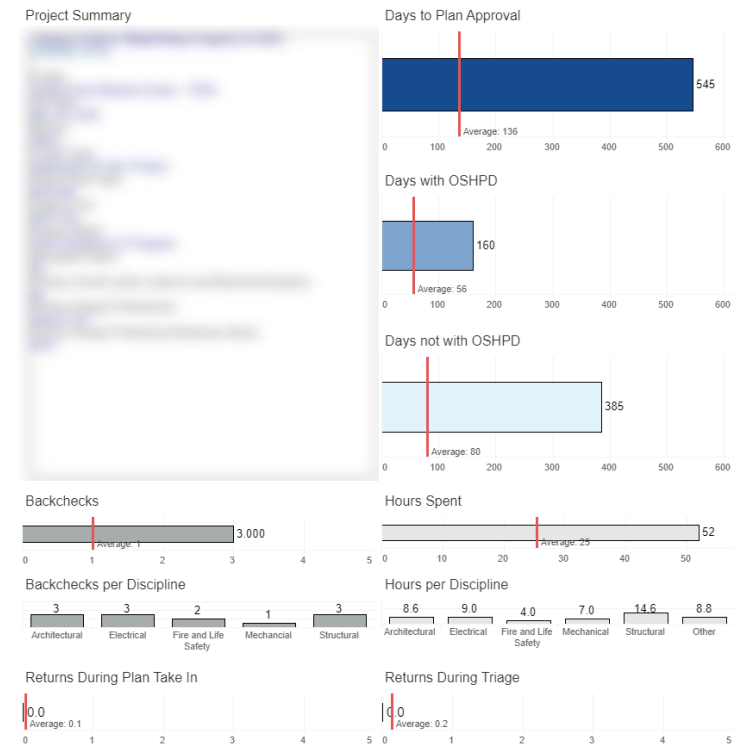
Project ID:

This remodel project was reviewed **electronically** in the office and has a total cost **between \$500,000 and \$2 Million**. All averages (red lines) displayed are based on projects in the same categories.

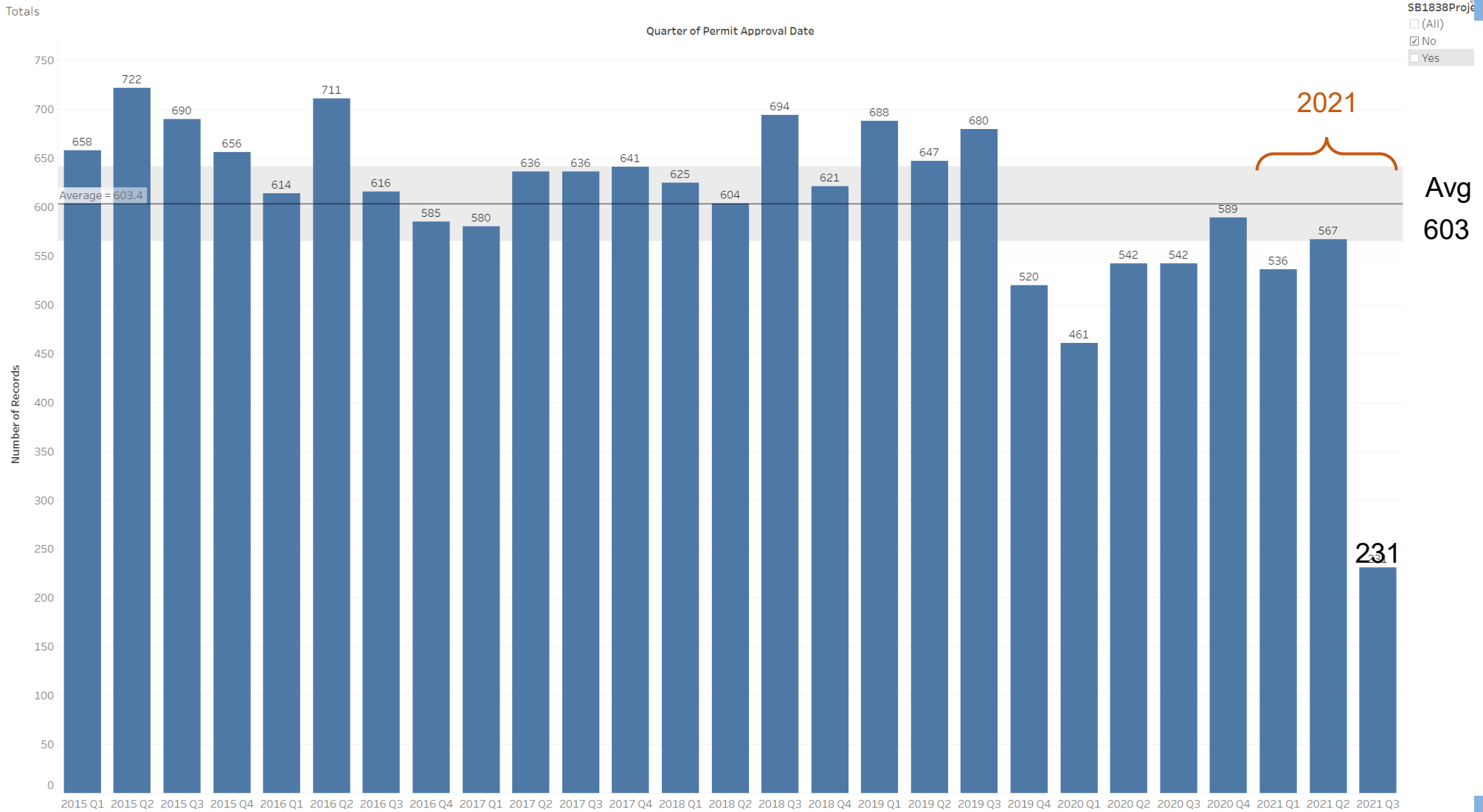


Project ID:

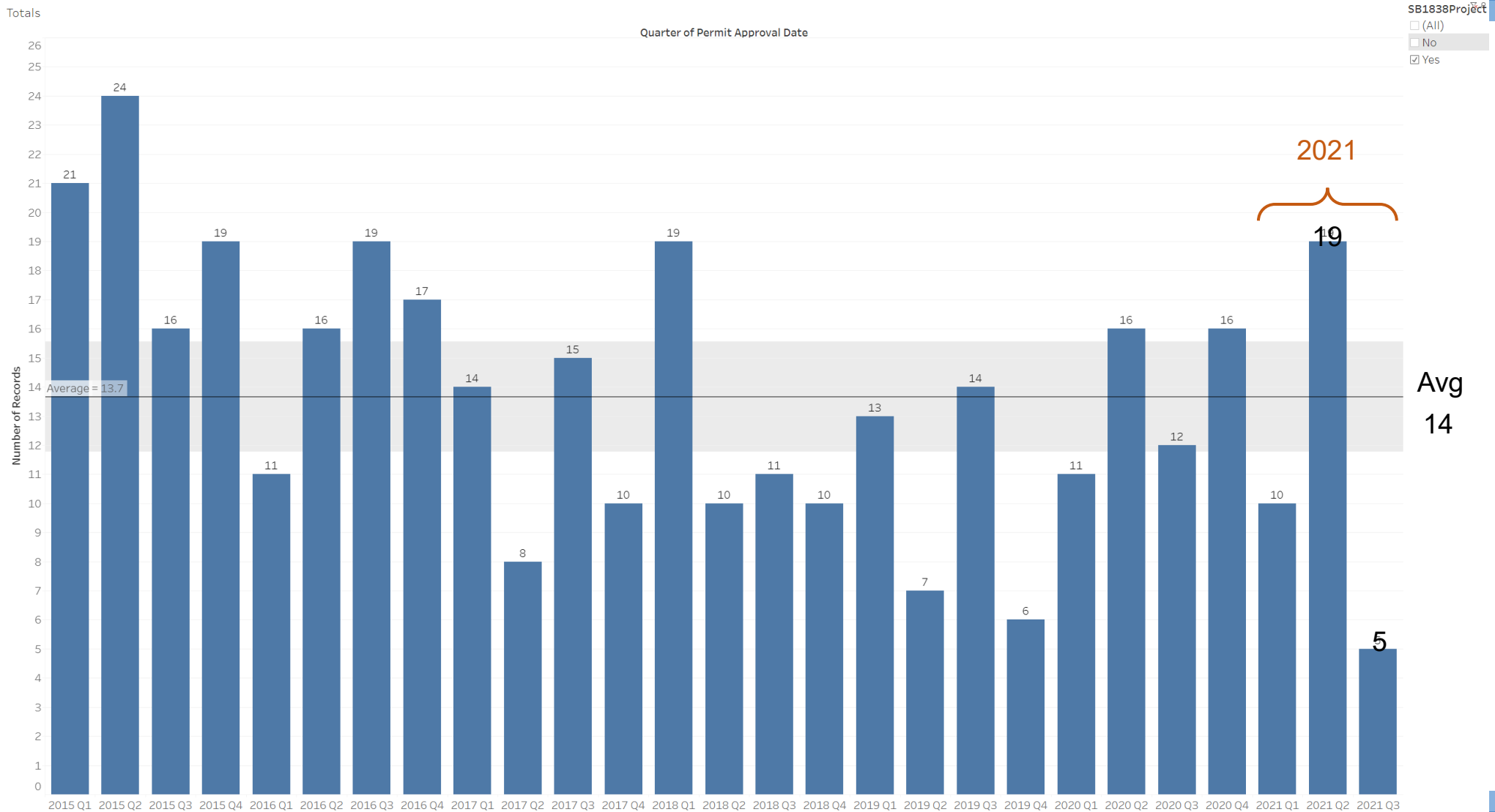
This remodel project was reviewed **on paper** in the office and has a total cost **between \$50,000 and \$175,000**. All averages (red lines) displayed are based on projects in the same categories.



Building Permit Issuance Over 6 Year Period (by Qtr.)

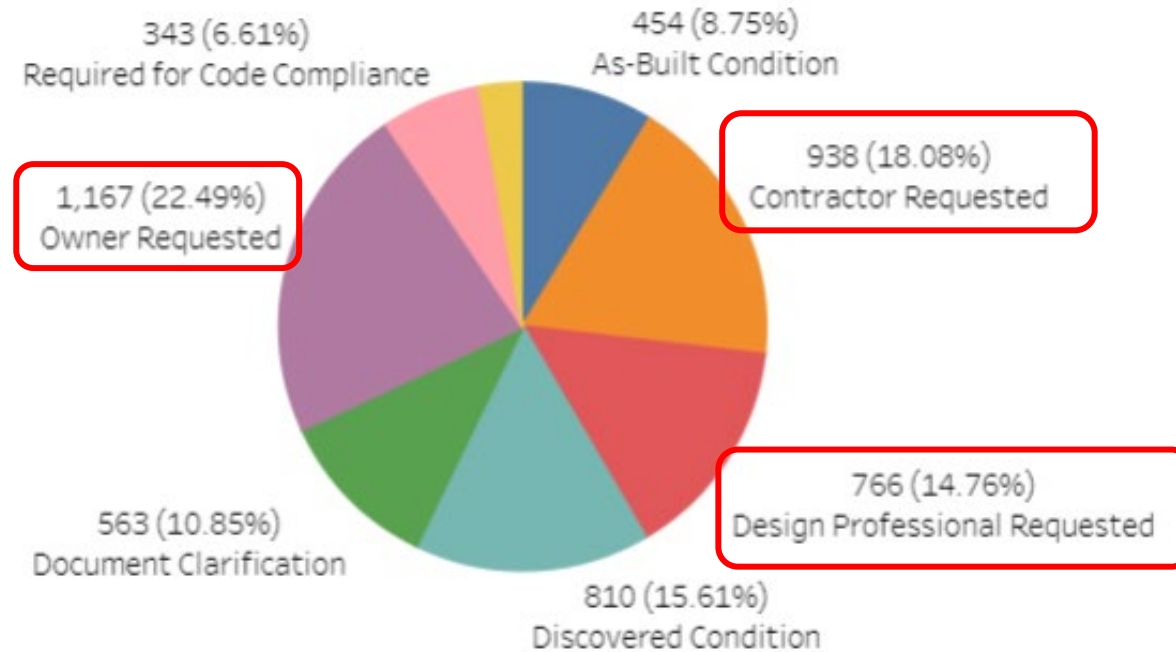


SB 1838s Over 6 Year Period (by Qtr.)



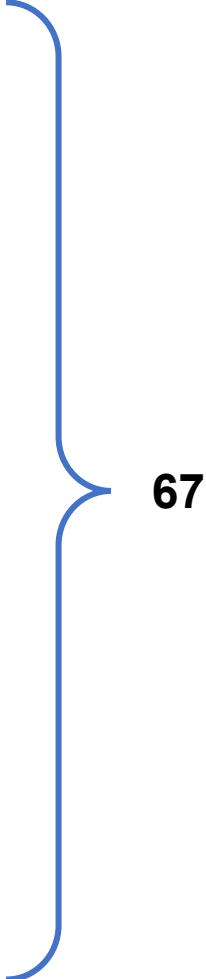
Amended Construction Documents Year to Date

All ACDs where reason provided



Inactive Projects

Assigned Region	Project Count
Central Region	4
Central Region - Field	5
Coastal Region	4
Coastal Region - Field	2
North Los Angeles Region	11
North Los Angeles Region - Field	7
North Region	14
NullValue	2
South Los Angeles Region	6
South Los Angeles Region - Field	4
South Region	4
South Region - Field	4



67

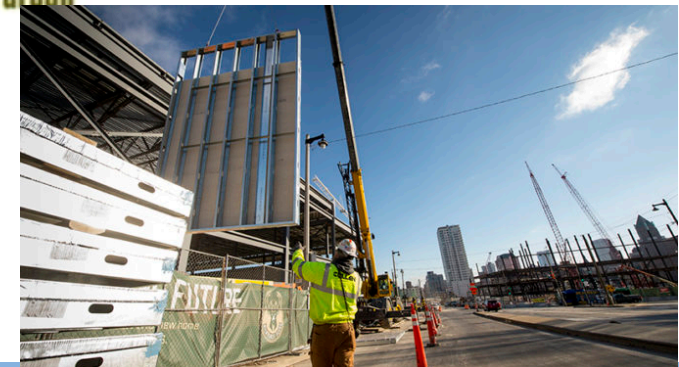
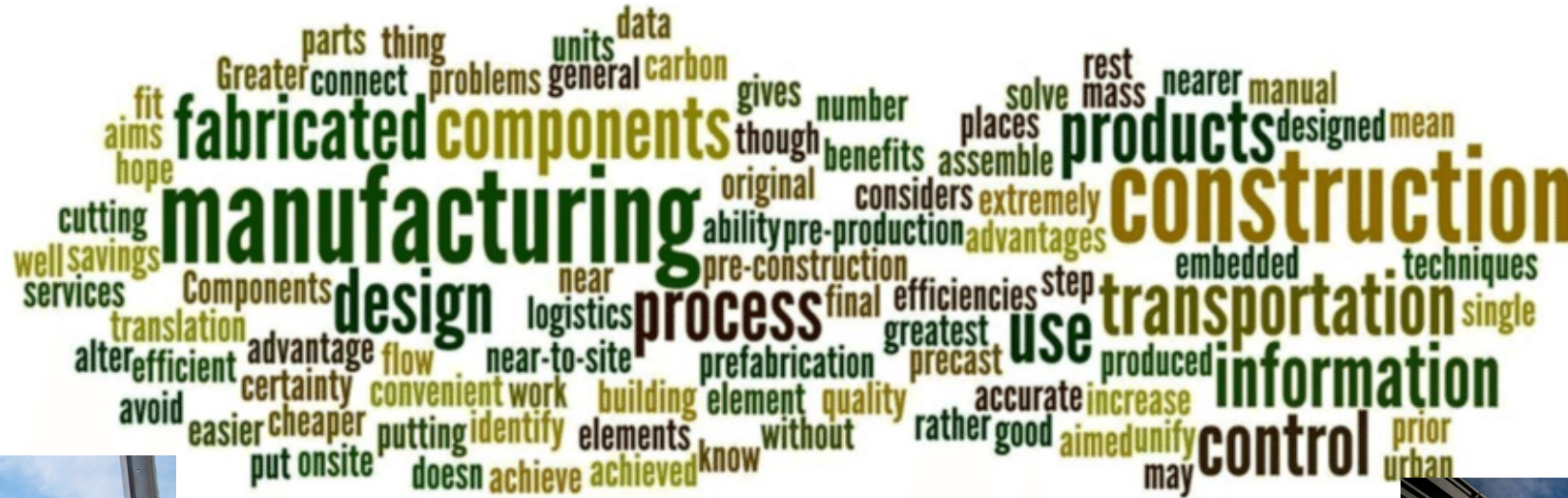
FDD Staffing Update

- Connect California: As of 7/31/21, 6 FDD staff, or approximately 3% of FDD's filled positions, are currently assigned to support California's contact tracing program.
- As of 7/31/21, approximately 79% of FDD permanent office staff, or 100 employees, are teleworking as the result of the Stay-at-Home order.
- FDD currently has 40 vacancies, however, we have 32 position under various phases of recruitment.
- The Personal Leave Program (PLP) of 2020 that provided for 2 unpaid days per month equaling a 9.23% pay reduction ended on 6/30/21.

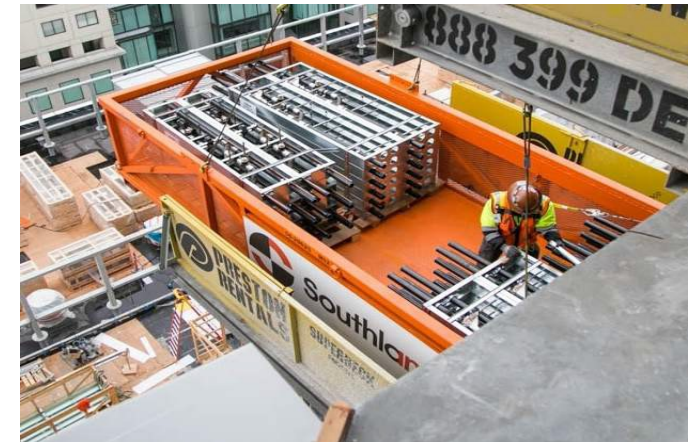
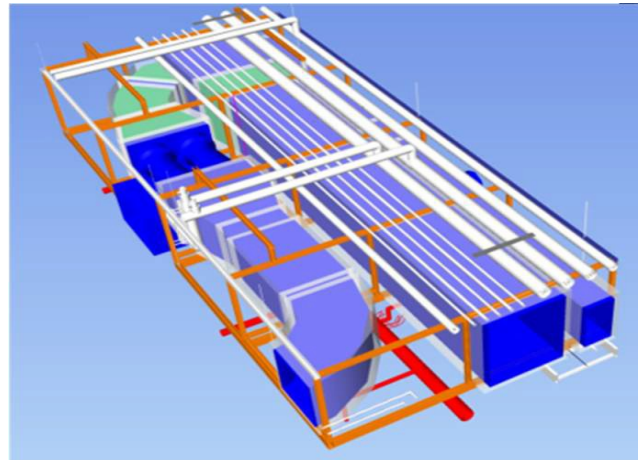
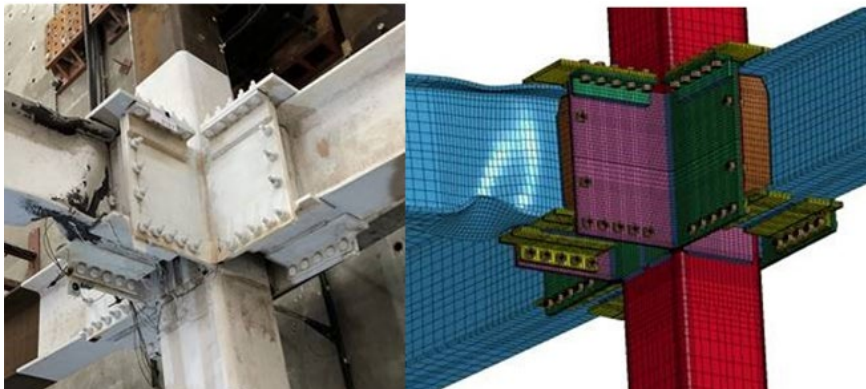
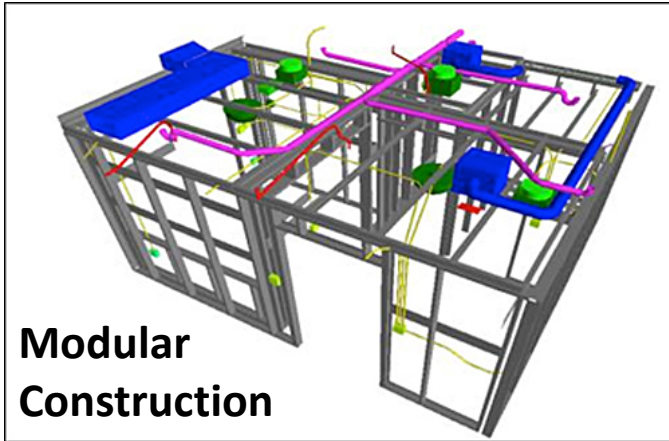
OSHPD Preapproved Prefabricated Components and Systems (OPPACS)

Prefabrication has Reinvented Itself w/ the Growth of BIM

- BIM enables the increased use of prefabrication, making it more feasible to implement on construction projects



Preapproval of Prefabricated Components and Systems (OPPCS)



Modular Construction - Example



STAT⁺MOD
STRUCTURAL BUILDING COMPONENTS



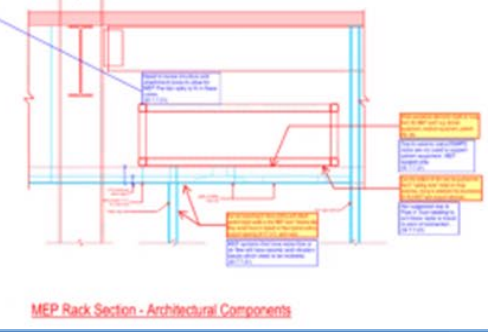
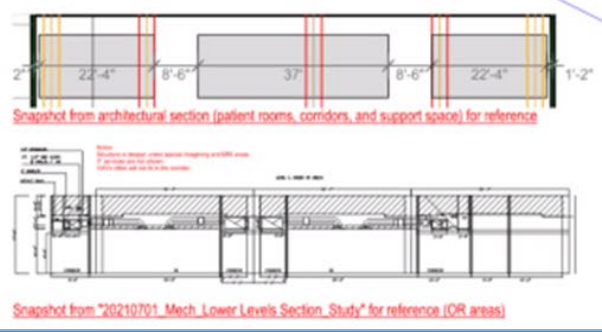
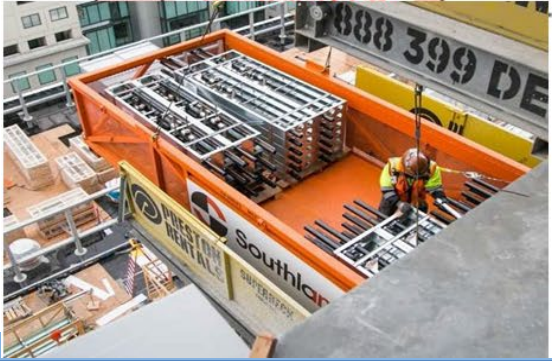
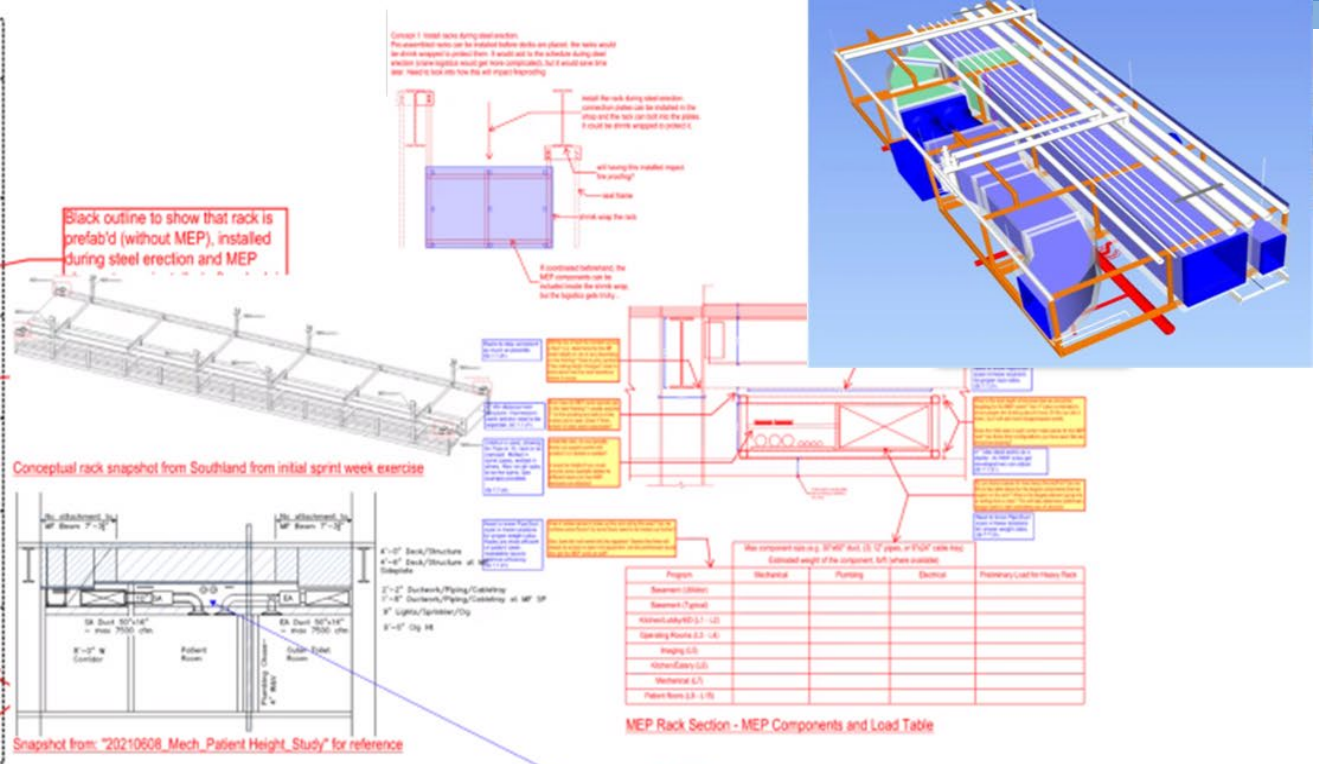
Modular Construction - Example



STAT⁺MOD
STRUCTURAL BUILDING COMPONENTS

Preassembled Building Components and Systems

Possible Bins	Narrative	High Level Sketch
5	prefab multi-trade rack with MEP components, install during steel erection	
4B	prefab multi-trade rack install during steel erection, install MEP in the field	
4A	prefab multi-trade rack with MEP components, install after decks are poured	
3	prefab multi-trade rack, attach to steel, MEP installed in the field	
2	multi-trade rack, attach to steel, no pre-fab	
1	multi-trade rack, mostly deck inserts, no pre-fab	
0	isolated rack per trade, mostly deck inserts, no pre-fab	





COVID-19

OSHPD's Response to the COVID-19 High Demands on California Hospitals

August 2021 Update

CDPH AFL 20-26.9 (Revised 7/16/2021)

- Suspension of Regulatory Enforcement of Hospital Requirements
- Does not suspend Title 24 requirements
- AFL has Licensing, Space, Services and Staffing sections
- **Space**
- *All statutory and regulatory provisions related to the configuration and use of physical space and classification of beds in a hospital. Hospitals may reconfigure space as needed to accommodate observed or predicted patient surge, patient cohorting, modified infection and source control procedures, and other COVID-19 related mitigation strategies.*
- *Temporary changes of use or modification to the physical environment must be restored to original conditions following expiration of a waiver. Where such temporary changes are to be made permanent, projects must be submitted for Office of Statewide Health Planning and Development's (OSHPDs) review and approval (whether the changes involve construction or not) **no later than two weeks after waiver expiration**. Permanent modifications to the physical environment or changes of use must be submitted to OSHPD as projects for review and approval (whether the changes involve construction or not) immediately.*

COVID-19 Related Temporary Emergency Work

- Most of this type of emergency work does not require the issuance of a building permit by OSHPD
 - See requirements in California Department of Public Health (CDPH) AFL 20-26.9
 - Effective July 17, 2021, extends the temporary waiver related to space requirements until September 30, 2021.
 - OSHPD field visit reports generated for each requested emergency project
- Approved for the duration of Governor Newsom's declared statewide emergency
 - Unless a shorter time was otherwise specified in an OSHPD field report or a CDPH Program Flex
- After the declared disaster has ended, these emergency projects must be restored to their pre-disaster condition as soon as possible (two weeks)

How Can I Restore COVID-19 Related Temporary Emergency to its Pre-existing Condition?

- Such work may be restored to its pre-existing condition without plan review, or a building permit provided:
 - Hospitals must :
 1. Contact their Compliance Officer and advise them of the restoration so that a field report can be issued; and
 2. Check with CDPH to determine what steps need to be taken as part of the restoration process

How Can I Make COVID-19 Related Temporary Emergency Changes Permanent?

- A project must be submitted to OSHPD for plan review and building permit
- Any such project must comply with the building code in effect at the time of submittal,
 - Currently, the 2019 California Building Standards Code

OSHPD Emergency Operation Center Website

Google “OSHPD EOC”

The map can be configured to:

- Zoom in or out to show different areas.
- Activate and deactivated layers.
- Use different base maps.
- Measure areas and distances.

Emergency Response Operations



Operations Map

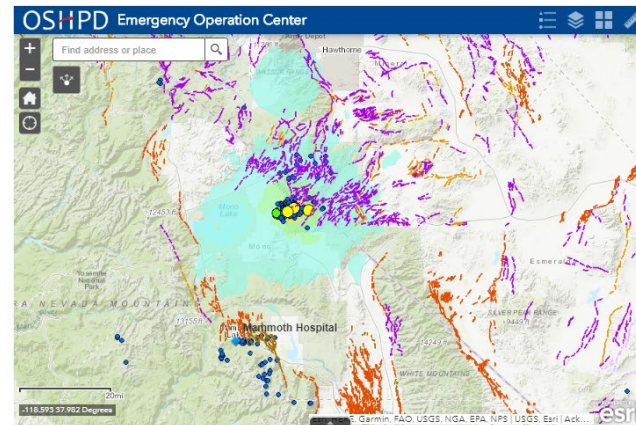
The map shows the current or the last area of focus of OSHPD's Emergency Operation Center (EOC). The layers available on this map are:

- OSHPD Jurisdiction Health Care Facilities (HCF).
- Earthquake shakemaps and corresponding epicenters.
- Fire Boundaries with active MODIS and VIIRS IBAND Detection clouding.
- Earthquake Faults.
- National Weather Service Wind Speed and Smoke forecasts.

Some of the layers contain information obtained from USGS, National Weather Services and third-party sources and any questions on the information in these layers should be directed to those sources.

The map can be configured to:

- Zoom in or out to show different areas.
- Activate and deactivated layers.
- Use different base maps.
- Measure areas and distances.



Emergency Response Operations

As California's building department for hospitals and skilled nursing facilities, the Office of Statewide Health Planning and Development's (OSHPD) Facilities Development Division provides support and expertise in the event of an earthquake, fire or other disaster. Under the California State Emergency Plan, in the event of a disaster, OSHPD provides rapid emergency structural, fire and life safety and critical building systems inspections of hospitals and skilled nursing facilities. Post-disaster, OSHPD prioritizes the approval and permitting of repair and reconstruction projects for hospital facilities affected by disaster to expedite the restoration of services in local communities.

Post-Disaster Healthcare Building Inspections

OSHPD staff conduct post-disaster building inspections to determine a building's safety with appropriate consideration of structural stability and critical building systems functionality. OSHPD posts visible tags (red, yellow, or green) to communicate whether a building is safe for disaster response and recovery, or suitable for continued occupation and use.

Should an affected healthcare building that is under OSHPD jurisdiction be evacuated because of unsafe or hazardous conditions, the building must be inspected by OSHPD prior to the building being used or reoccupied.

OSHPD coordinates inspections with the California Emergency Medical Services Administration, the California Office of Emergency Services (Cal OES), the California Department of Public Health, and the affected facilities.



Red Tag

The building is unsafe and must be evacuated immediately.



Yellow Tag

The building has been authorized for limited occupancy.



Green Tag

The building and its systems, have been inspected and the building has been found safe for use and occupancy.

OSHPD Emergency Operations Center

OSHPD's offices in Sacramento and Los Angeles both contain an Emergency Operations Center (EOC) for managing an emergency response.

Depending on the location and type of disaster, an OSHPD EOC is activated in Sacramento or Los Angeles, in conjunction with California's Standardized Emergency Management System, to manage and coordinate the OSHPD emergency response.

Mutual Aid

OSHPD field staff provide mutual aid to other agencies and local jurisdictions when requested under the California Disaster and Civil Defense Master Mutual Aid Agreement. Field staff perform inspections of buildings and other structures guided by the Cal OES Safety Assessment Program.

Click here to see online:
<http://bit.ly/2OHI4cU>

or scan our QR code:

<https://oshpd.ca.gov/construction-finance/seismic-compliance-and-safety/emergency-response-operations/>

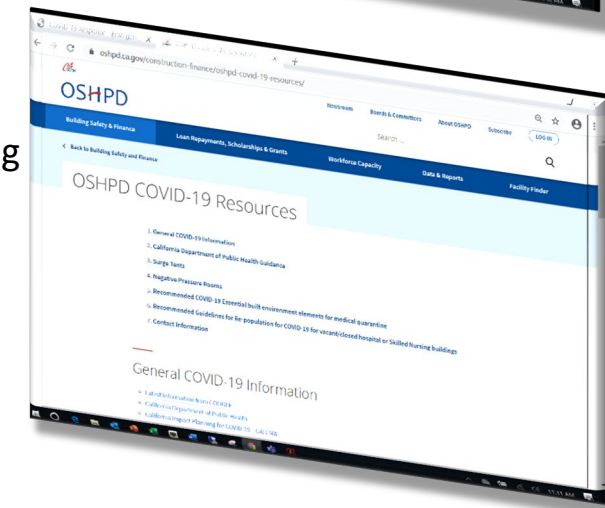


Communication is Vital in Emergency Management

OSHPD EOC COVID-19 Resource / Information Web site

- General COVID-19 Information
- Suspension and Restoration of Temporary Conditions
- California Department of Public Health Guidance
- Surge Tents
- Negative Pressure Room
- Vaccine Freezer Permit Checklist
- Buildup of Frost or Ice on Vaporizers and Pipes due to High Flow Medical Oxygen
- Recommended COVID-19 Essential built environment elements for medical quarantine
- Recommended Guidelines for Re-population for COVID-19 for vacant/closed hospital or Skilled Nursing buildings
- Use of Plastic Barriers Used for Separation of COVID Positive Areas in Healthcare Facilities
- OSHPD Emergency Operation Events
- Contact Information

<https://oshpd.ca.gov/construction-finance/oshpd-covid-19-resources/>

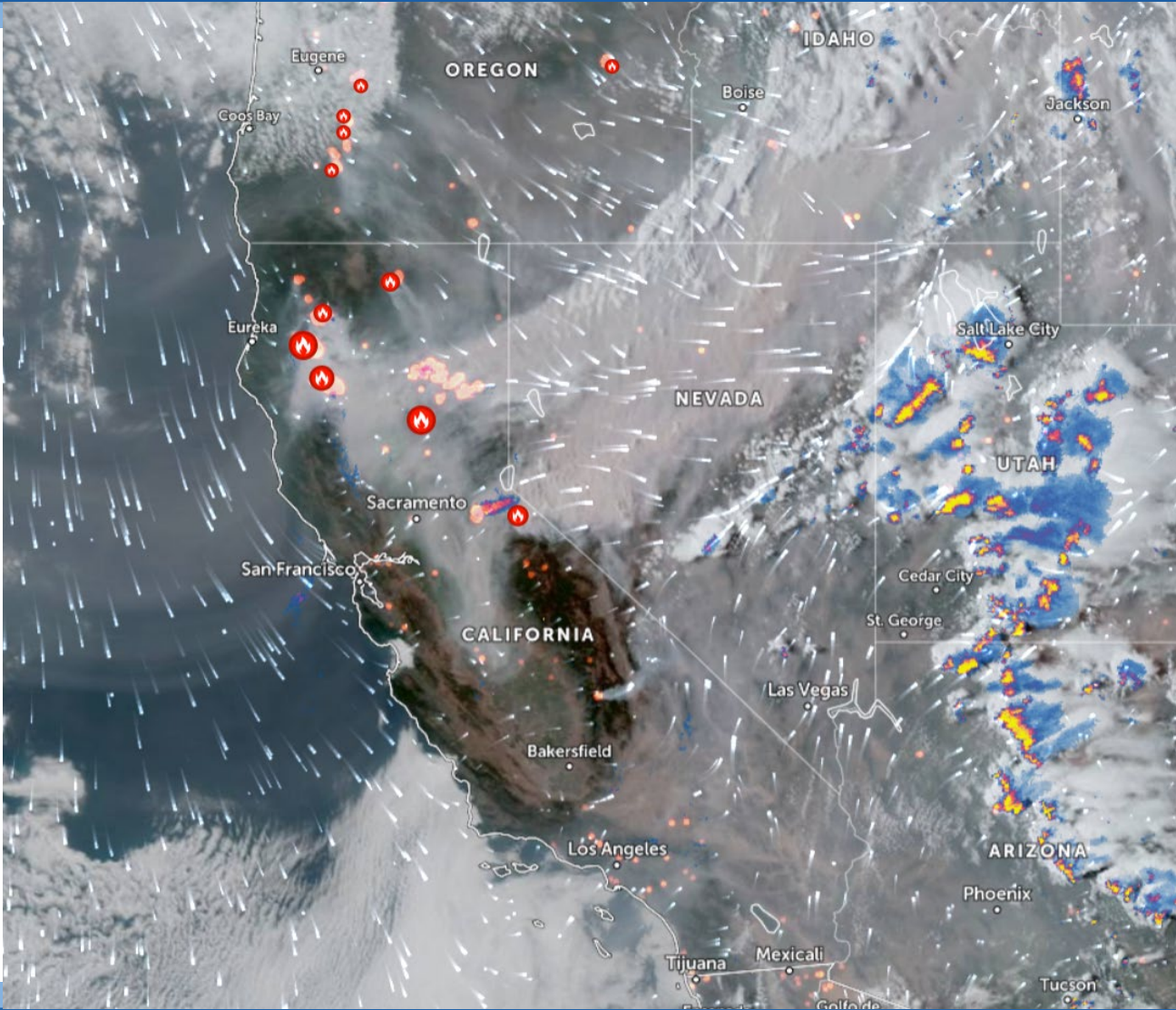


California Fires 2021

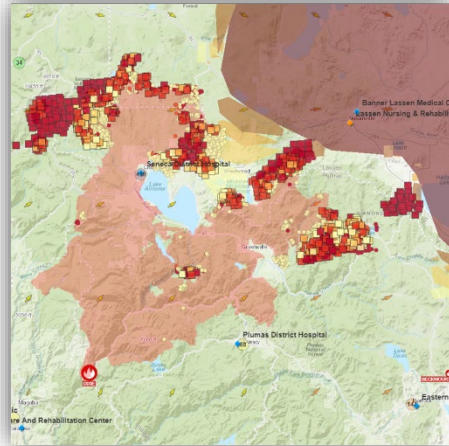
OSHPD Response



California Fires - August 2021



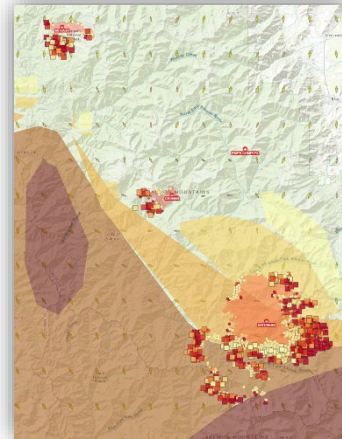
Fires - August 2021



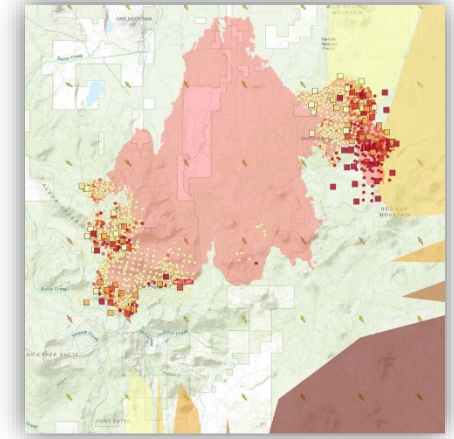
(1 of 2)

DIXIE INCIDENT
Type: Wildfire
Discovery Date: 7/13/2021, 5:15 PM
Acres Burned: 604,511
Percent Contained: 31%
Last Update: 8/17/2021, 8:52 AM

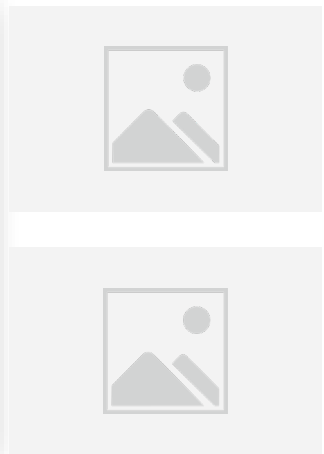
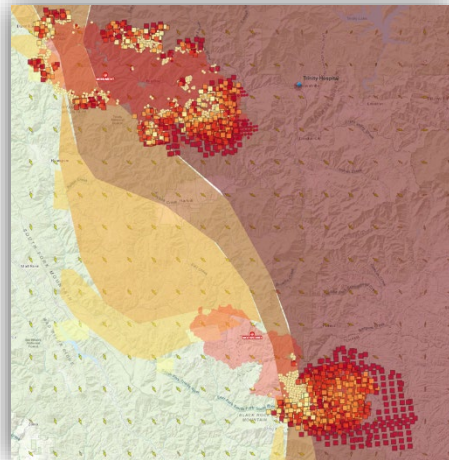
Dixie Fire and Fly Fire



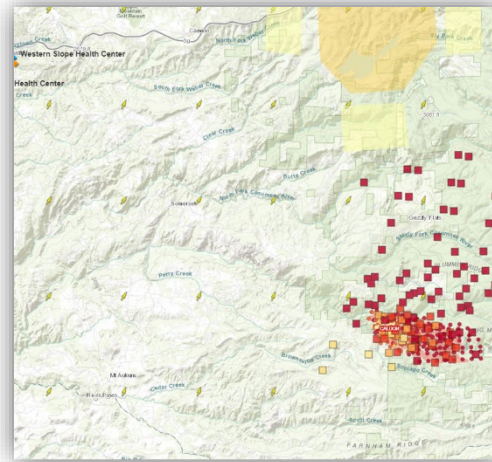
McCash, Cronan, Haypress Fires



Antelope Fire

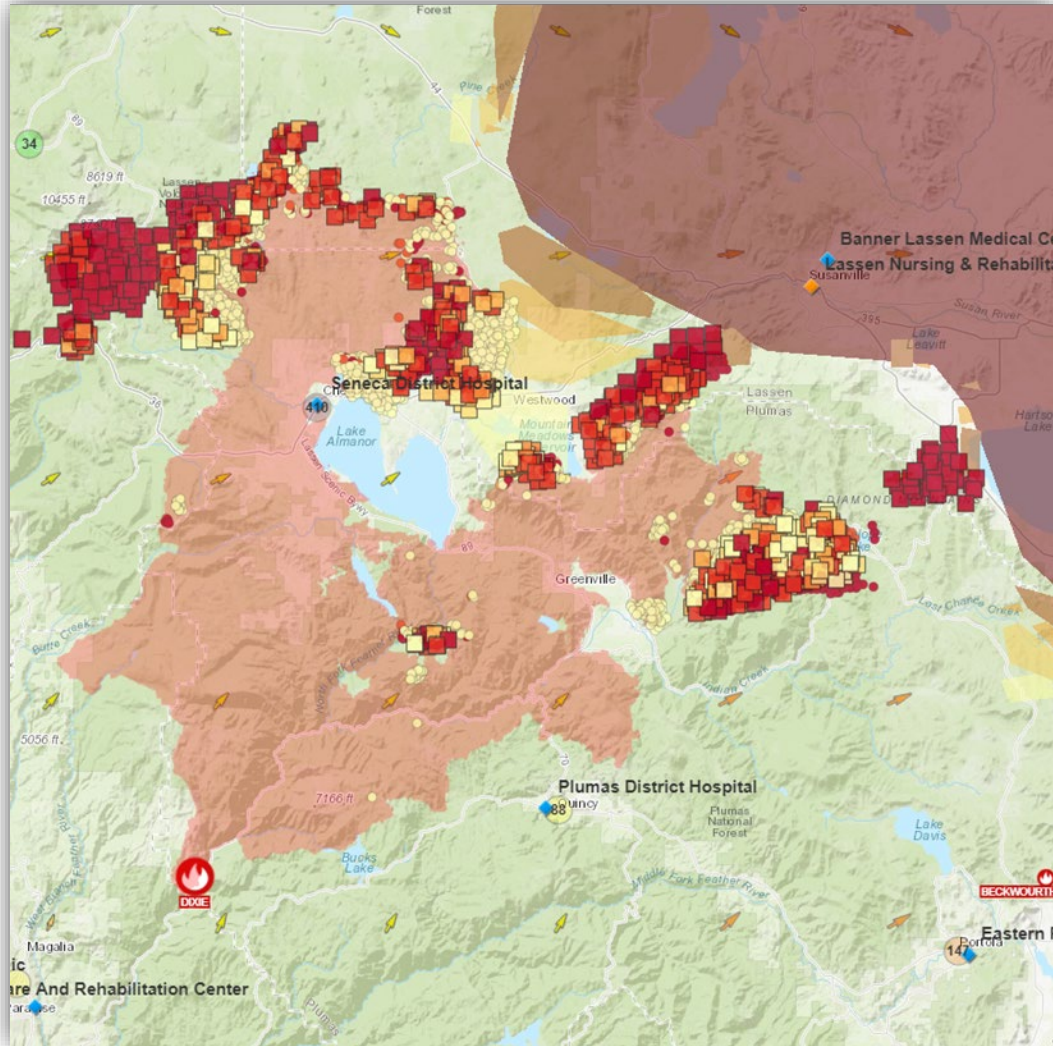


Monument and Mcfarland Fires



Caldor Fire

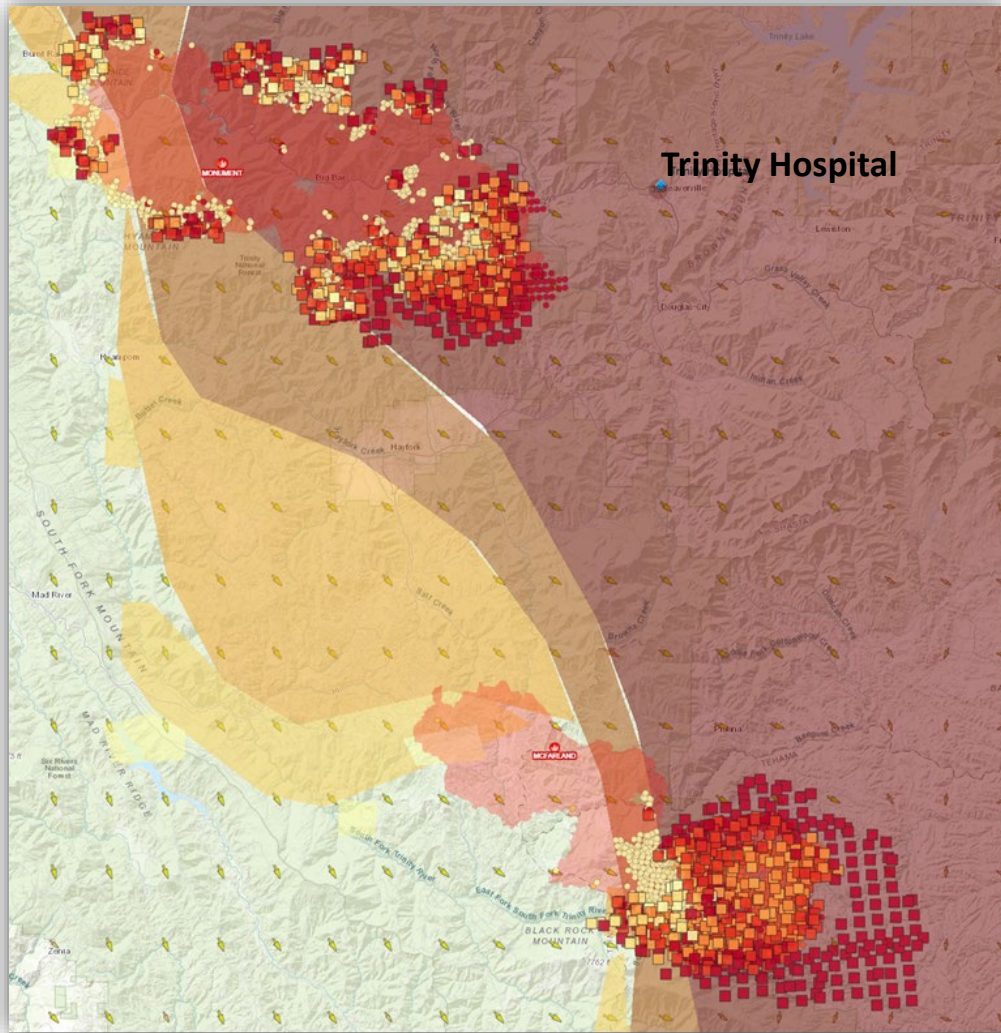
Health Facilities Evacuated/Repopulated



Dixie Fire and Fly Fire

- Seneca District Hospital is fully evacuated
- Repopulation Schedule
 - OSHPD field staff scheduled to go be onsite on 8/20/2021
- Fire is moving towards Susanville
- OSHPD facilities in Susanville:
 - Banner Lassen Medical Center; and,
 - Lassen Nursing & Rehabilitation Center

Health Facilities Evacuated/Repopulated



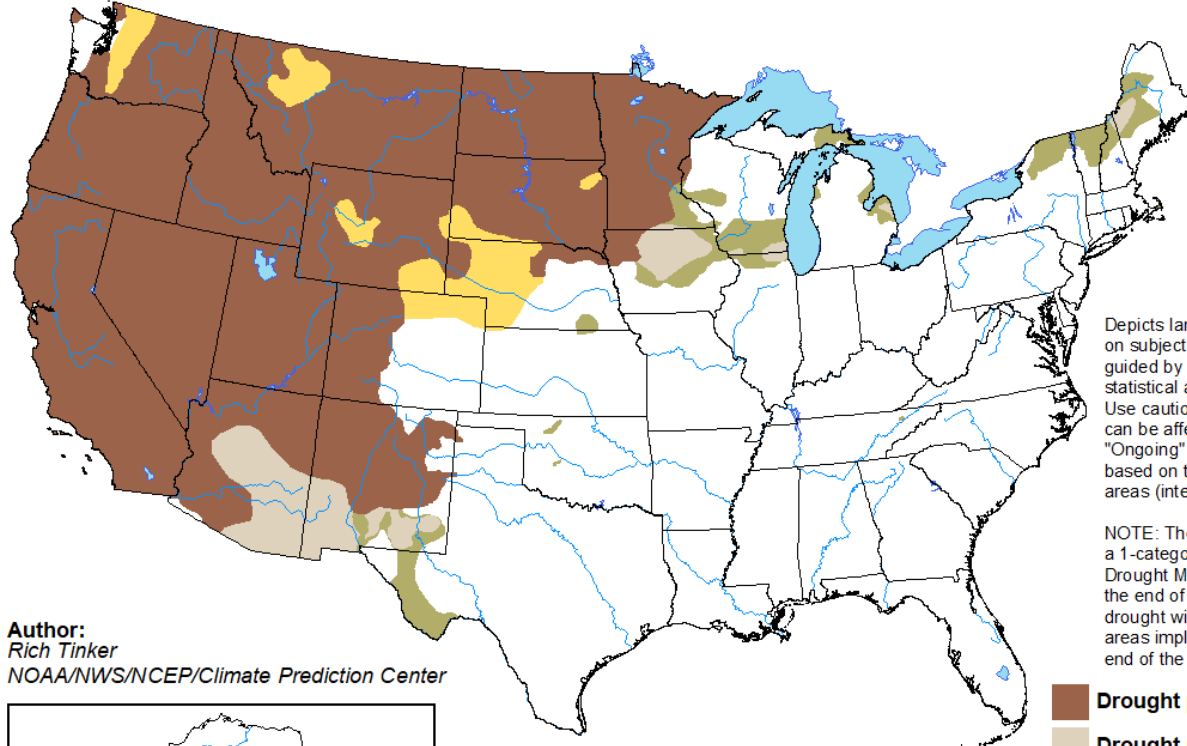
Monument and Mcfarland Fires

- Trinity Hospital is 8 miles from eastern perimeter
 - (On the other side of hills)

Fire Season 2021

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

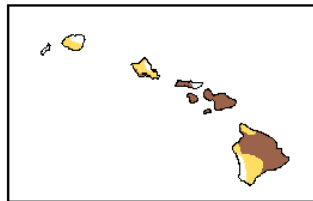
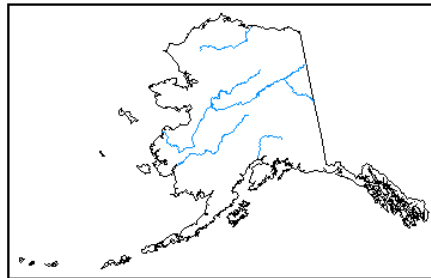
Valid for July 15 - October 31, 2021
Released July 15







Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center

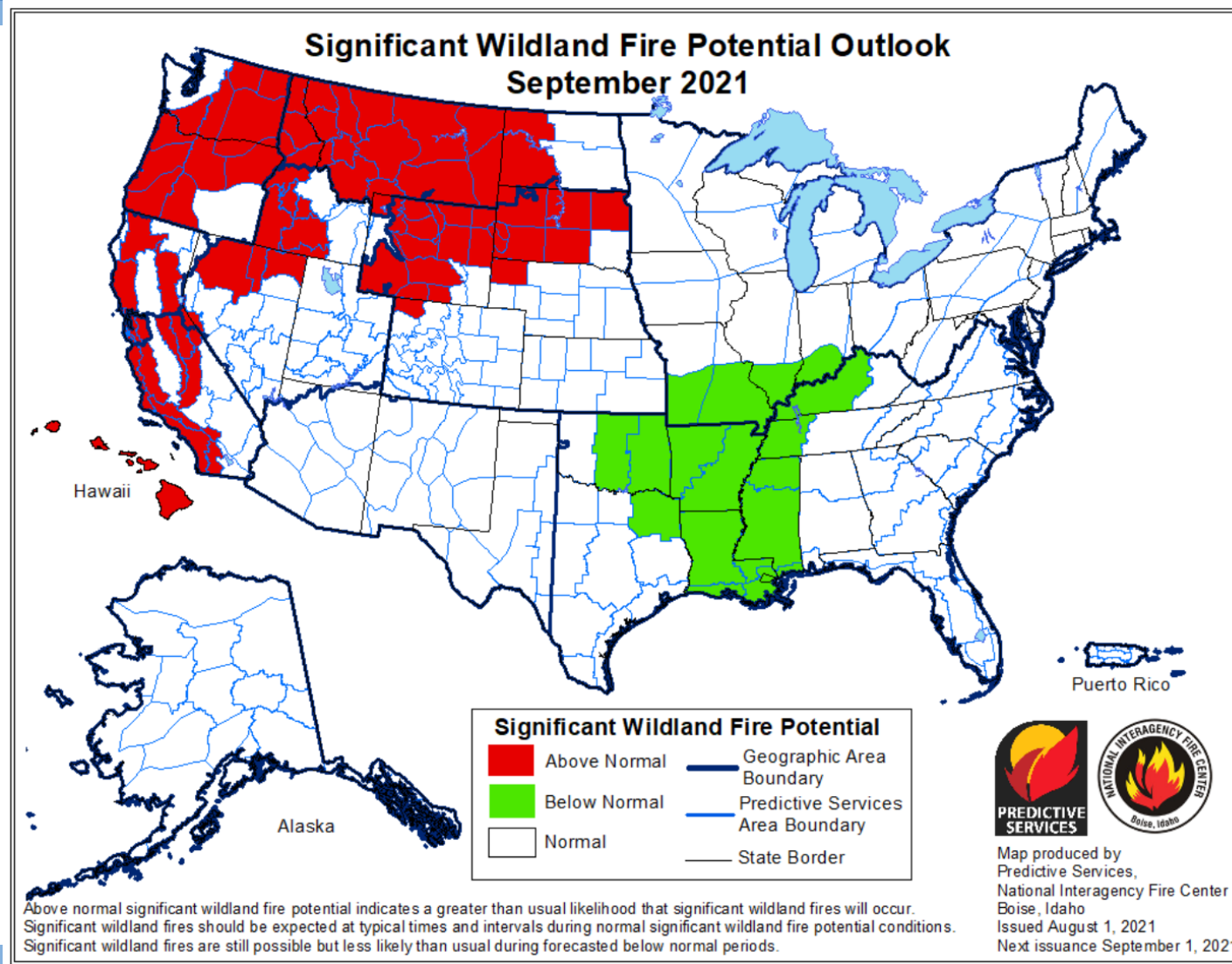


-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZ73>

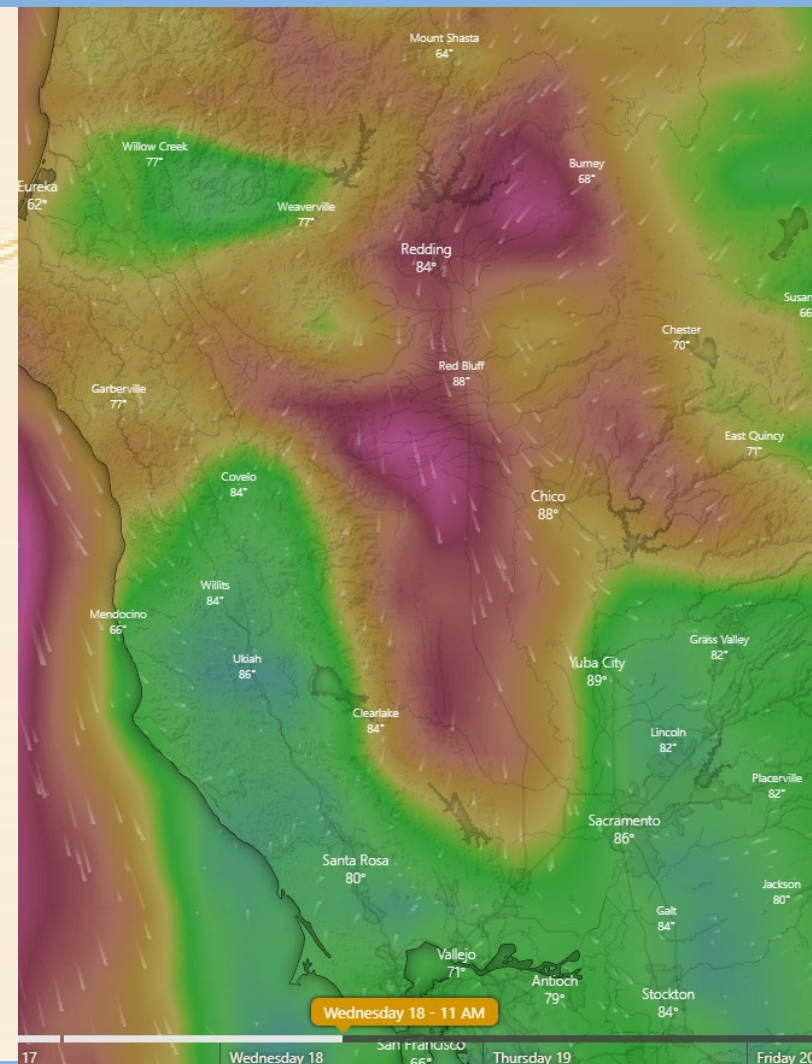
Fire Season 2021



OSHDP EOC - PSPS



- Windy conditions forecasted for Northern California.
- Possible Public Safety Power Shutoff by PG&E 8/17 & 8/18, 2021





- Any Questions?
- Any Answers?
- Any Additional Thoughts or Discussion?

15. Comments from the Public/Board Members on issues not on this agenda

Facilitator: Louise Belair, Board Chair

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.