0:00:03.840,0:00:09.040

okay

0:00:04.720,0:00:11.920

welcome everybody to session four of the

0:00:09.040,0:00:13.759

OSHPD 2019 California Building

0:00:11.920,0:00:17.440

Standards Code as applied to

0:00:13.759,0:00:18.240

buildings regulated by OSHPD. Today we

0:00:17.440,0:00:21.760

have

0:00:18.240,0:00:23.840

three presenters Richard Tannahill

0:00:21.760,0:00:25.199

BSU Supervisor or Building Standards

0:00:23.840,0:00:27.840

Unit Supervisor.

0:00:25.199,0:00:28.640

Dave Mason, he's a Senior Mechanical

0:00:27.840,0:00:31.359

Engineer

0:00:28.640,0:00:31.840

with OSHPD and we have Bill Gow, a

0:00:31.359,0:00:34.399

Senior

0:00:31.840,0:00:36.000

Electrical Engineer. My name is Cesar I'm

0:00:34.399,0:00:37.840

a Compliance Officer, I'll be helping

0:00:36.000,0:00:40.800

with the presentation today.

0:00:37.840,0:00:42.879

I'll go over some housekeeping items

0:00:40.800,0:00:44.879

before we get started to

0:00:42.879,0:00:47.600

let you know the presentation is going

0:00:44.879,0:00:49.120

to take roughly about an hour and a half.

0:00:47.600,0:00:51.199
You will all be muted during the

0:00:49.120,0:00:53.840
presentation.

0:00:51.199,0:00:55.039
On your control panel you should see a

0:00:53.840,0:00:57.120
question

0:00:55.039,0:00:58.719
section within that control panel of the

0:00:57.120,0:01:01.039
go to software.

0:00:58.719,0:01:01.920
Please type your questions into

0:01:01.039,0:01:04.239
that

0:01:01.920,0:01:05.840
section there. Keep your questions

0:01:04.239,0:01:08.000

generic,

0:01:05.840,0:01:09.680

if you have specific questions please

0:01:08.000,0:01:13.600

feel free to email

0:01:09.680,0:01:18.400

regsunit.oshpd.ca.gov

0:01:13.600,0:01:20.159

or WebinarRoom@oshpod.ca.gov

0:01:18.400,0:01:21.920

and we'll go over those email addresses

0:01:20.159,0:01:23.119

one more time at towards the end of the

0:01:21.920,0:01:25.920

presentation.

0:01:23.119,0:01:28.320

Please know that we'll answer as many as

0:01:25.920,0:01:30.799

many questions as we can at the end

0:01:28.320,0:01:33.040
but if we don't get to your question

0:01:30.799,0:01:34.960
or if we do get your question and you

0:01:33.040,0:01:37.200
want further clarification

0:01:34.960,0:01:38.799
go ahead and use those emails. We're

0:01:37.200,0:01:41.600
always happy to help.

0:01:38.799,0:01:43.680
One more housekeeping item, if we lose

0:01:41.600,0:01:46.240
you during the transmission.

0:01:43.680,0:01:47.200
We will go ahead and log out and then

0:01:46.240,0:01:50.479
log back in

0:01:47.200,0:01:52.720

and please do the same log back out

0:01:50.479,0:01:54.240
and then back in and that should take

0:01:52.720,0:01:56.880
care of the problem.

0:01:54.240,0:01:58.159
So again thank you for joining us

0:01:56.880,0:02:00.560
session four

0:01:58.159,0:02:01.840
we will be going over several

0:02:00.560,0:02:04.799
items

0:02:01.840,0:02:05.200
Electrical Code, Mechanical Code, Plumbing

0:02:04.799,0:02:08.239
Code,

0:02:05.200,0:02:11.039
Energy Code, how to remove

0:02:08.239,0:02:13.520

facilities from acute care, we'll go over

0:02:11.039,0:02:16.080

the new Remodel CAN

0:02:13.520,0:02:17.120

new Accessibility CAN and then some more

0:02:16.080,0:02:19.620

on what's coming up.

0:02:17.120,0:02:20.879

So with that being said Richard.

0:02:19.620,0:02:23.920

[Music]

0:02:20.879,0:02:25.680

Thanks Cesar, hello everyone

0:02:23.920,0:02:27.200

welcome back if you've been here before

0:02:25.680,0:02:31.760

and if not, welcome

0:02:27.200,0:02:31.760

we're going to get right into this

0:02:33.599,0:02:37.680
with a quick OSHPD update. Again we

0:02:36.400,0:02:39.680
get a lot of questions about

0:02:37.680,0:02:42.560
how OSHPD is responding during the

0:02:39.680,0:02:42.560
Covid 19

0:02:43.120,0:02:47.120
issue right now and to be honest, we're

0:02:45.200,0:02:49.680
kind of getting

0:02:47.120,0:02:52.720
back to normal as far as workload. Our

0:02:49.680,0:02:54.959
staff is mostly working from home.

0:02:52.720,0:02:57.120
We are able to keep up with the plan

0:02:54.959,0:03:00.400

reviews

0:02:57.120,0:03:03.120
but again as as mentioned before

0:03:00.400,0:03:04.080
the staff does not have all the

0:03:03.120,0:03:06.640
equipment

0:03:04.080,0:03:08.319
at home as they do here so there can be

0:03:06.640,0:03:11.280
some delays

0:03:08.319,0:03:12.800
but as far as our response everything's

0:03:11.280,0:03:18.879
kind of getting back to business as

0:03:12.800,0:03:21.920
normal as far as the actual workload.

0:03:18.879,0:03:25.280
So where we are in the code adoption

0:03:21.920,0:03:28.720
cycle in January of this year the 2019

0:03:25.280,0:03:30.840
code came into effect

0:03:28.720,0:03:33.840
and that's what we'll be talking about

0:03:30.840,0:03:33.840
today.

0:03:37.040,0:03:43.040
And what we do, just a little background

0:03:40.400,0:03:45.519
on how we put the codes together

0:03:43.040,0:03:47.280
is, we basically start with the

0:03:45.519,0:03:50.640
International Building Code

0:03:47.280,0:03:53.519
we take the last cycle of

0:03:50.640,0:03:54.080
Building Code for California and carry

0:03:53.519,0:03:55.680

anything

0:03:54.080,0:03:57.360

forward. We review it carry things

0:03:55.680,0:04:00.159

forward that need to be carried forward

0:03:57.360,0:04:01.519

and remove stuff that does not. And then

0:04:00.159,0:04:04.319

we take new

0:04:01.519,0:04:06.159

items that we're currently working on

0:04:04.319,0:04:09.360

and integrate them into that.

0:04:06.159,0:04:12.560

And that's how we end up with our new

0:04:09.360,0:04:12.560

Building Code Cycle.

0:04:12.879,0:04:17.120

So today as cesar mentioned, we're going

0:04:15.200,0:04:18.639
to be looking at Electrical Mechanical

0:04:17.120,0:04:21.359
and Plumbing Codes,

0:04:18.639,0:04:22.000
and touch on the Energy Code and there

0:04:21.359,0:04:24.240
are some

0:04:22.000,0:04:25.360
other items that we'll be covering as

0:04:24.240,0:04:28.800
you mentioned. Like

0:04:25.360,0:04:32.320
removal from acute care, just kind of in

0:04:28.800,0:04:32.320
general, not in depth at all.

0:04:33.120,0:04:37.840
So this is the session four, the last

0:04:36.000,0:04:40.160
of a four part series.

0:04:37.840,0:04:43.440
The other three sessions are getting

0:04:40.160,0:04:45.199
very close to being posted

0:04:43.440,0:04:47.759
to the OSHPD website. We're actually in

0:04:45.199,0:04:50.320
the process of making them accessible

0:04:47.759,0:04:51.600
and setting up a webinar page on the

0:04:50.320,0:04:53.280
OSHPD website

0:04:51.600,0:04:55.120
and that should be available so stay

0:04:53.280,0:04:57.520
tuned for that. If you missed the past

0:04:55.120,0:05:00.880
sessions they will be available soon.

0:04:57.520,0:05:04.080

If you do need them, you can email us

0:05:00.880,0:05:05.840

at the the webinar email address that

0:05:04.080,0:05:08.160

caesar gave you and it'll be posted

0:05:05.840,0:05:09.360

later on and we can send you links where

0:05:08.160,0:05:11.600

you can download those

0:05:09.360,0:05:13.600

recorded versions. If you want the

0:05:11.600,0:05:16.720

handouts

0:05:13.600,0:05:16.720

should be part of your

0:05:16.800,0:05:20.320

interface or dashboard for the go to

0:05:19.520,0:05:22.639

webinar.

0:05:20.320,0:05:24.080
So the handouts should all be available

0:05:22.639,0:05:27.759
there, you can click on them and download

0:05:24.080,0:05:27.759
them now if you haven't already done so.

0:05:29.199,0:05:33.039
As these are also mentioned we will

0:05:31.600,0:05:35.280
be

0:05:33.039,0:05:37.360
going through the questions at the end

0:05:35.280,0:05:41.440
of the presentation

0:05:37.360,0:05:41.440
so go ahead and post your questions.

0:05:42.479,0:05:48.400
And we will begin with session four

0:05:46.160,0:05:50.639

starting with a Bill Gaw for Electrical

0:05:48.400,0:05:53.680

Code.

0:05:50.639,0:05:54.479

Hello my name is Bill Gow and I'm going

0:05:53.680,0:05:56.160

to cover

0:05:54.479,0:05:57.520

the changes in the California Electrical

0:05:56.160,0:06:06.560

Code

0:05:57.520,0:06:08.960

primarily for Article 517. Next slide

0:06:06.560,0:06:08.960

Caesar.

0:06:09.360,0:06:13.759

Thank you. So we're going to cover

0:06:12.479,0:06:16.800

general items

0:06:13.759,0:06:21.759
the essential electrical system updates

0:06:16.800,0:06:23.840
and the call system restructuring.

0:06:21.759,0:06:26.639
So we're going to go over a definition

0:06:23.840,0:06:29.919
change for critical care spaces,

0:06:26.639,0:06:33.120
we added three new locations

0:06:29.919,0:06:34.160
subacute units which are patient bed

0:06:33.120,0:06:38.880
locations

0:06:34.160,0:06:41.199
with people sustained by life support

0:06:38.880,0:06:42.000
portions of the emergency department

0:06:41.199,0:06:44.160

which are

0:06:42.000,0:06:45.759
the trauma rooms and the emergency

0:06:44.160,0:06:48.720
department

0:06:45.759,0:06:50.080
and electro convulsion therapy procedure

0:06:48.720,0:06:52.720
rooms.

0:06:50.080,0:06:55.440
So those are all new defined critical

0:06:52.720,0:06:55.440
care spaces.

0:06:56.560,0:07:02.800
Okay we also have

0:06:59.759,0:07:06.479
a requirement of 517.18 which are

0:07:02.800,0:07:09.680
general care patient bed locations

0:07:06.479,0:07:12.080
and we have a new addition here

0:07:09.680,0:07:13.360
for outpatient observation beds and

0:07:12.080,0:07:14.960
gurney locations

0:07:13.360,0:07:16.400
shall be provided with a minimum four

0:07:14.960,0:07:18.800
receptacles.

0:07:16.400,0:07:19.919
So other general bed relocations would

0:07:18.800,0:07:22.720
require eight

0:07:19.919,0:07:24.720
but these only require four, they would

0:07:22.720,0:07:26.080
have to be served from the normal branch

0:07:24.720,0:07:31.599
and some of the receptacles would have

0:07:26.080,0:07:34.639

to be served from the critical branch.

0:07:31.599,0:07:37.199

We have another update here for

0:07:34.639,0:07:39.360

the critical care spaces this is the

0:07:37.199,0:07:41.599

receptacle requirements

0:07:39.360,0:07:44.160

and typically a critical care location

0:07:41.599,0:07:45.599

would require 14 receptacles some served

0:07:44.160,0:07:48.479

from the normal branch

0:07:45.599,0:07:50.400

and some served from the critical branch

0:07:48.479,0:07:53.000

but for

0:07:50.400,0:07:54.960

beds subject to the requirements of

0:07:53.000,0:07:56.639

517.40(B)

0:07:54.960,0:07:58.599

they shall be provided with a minimum

0:07:56.639,0:08:02.160

eight receptacles. so

0:07:58.599,0:08:02.800

517.40b is the requirement for subacute

0:08:02.160,0:08:05.919

beds

0:08:02.800,0:08:10.960

in skilled nursing facilities and

0:08:05.919,0:08:10.960

other OSHPD locations.

0:08:11.120,0:08:15.759

So next slide i'll do.

0:08:17.199,0:08:22.560

Okay so we have a change in

0:08:20.400,0:08:25.759
the essential electrical system for

0:08:22.560,0:08:30.240
hospitals and other care facilities

0:08:25.759,0:08:30.240
and the OSHPD amendment here reads that

0:08:30.280,0:08:34.560
517.29 through 517.30 applies to

0:08:33.120,0:08:36.399
hospitals

0:08:34.560,0:08:38.479
facilities subject to the requirements

0:08:36.399,0:08:41.760
of 517.40(B)

0:08:38.479,0:08:46.160
which is sub-acute clinical

0:08:41.760,0:08:50.000
subject to the requirements of 517.45

0:08:46.160,0:08:52.800
(B) and (C). Which are again a

0:08:50.000,0:08:52.800
life safety

0:08:53.600,0:09:01.600
subacute area or a surgical center

0:08:59.120,0:09:02.560
and acute psych hospitals providing

0:09:01.600,0:09:06.640
critical care

0:09:02.560,0:09:06.640
and or general care services.

0:09:07.440,0:09:11.200
So what is a hospital-grade electrical

0:09:09.760,0:09:12.880
system look like?

0:09:11.200,0:09:14.560
A hospital-grade electrical system is

0:09:12.880,0:09:17.360
required to have three branches

0:09:14.560,0:09:18.399

the life safety branch the critical

0:09:17.360,0:09:21.279
branch which is

0:09:18.399,0:09:22.399
where patient care receptacles are

0:09:21.279,0:09:25.760
connected

0:09:22.399,0:09:29.040
task lighting for critical

0:09:25.760,0:09:31.120
outpatient care areas and equipment for

0:09:29.040,0:09:32.399
patient care.

0:09:31.120,0:09:34.800
And then we have the equipment branch

0:09:32.399,0:09:38.000
which is primarily used for your large

0:09:34.800,0:09:40.000
electrical loads. So

0:09:38.000,0:09:42.640

what can serve as the alternate power

0:09:40.000,0:09:46.320

source? We have a revision to the code

0:09:42.640,0:09:47.920

which we allow generators which we

0:09:46.320,0:09:52.240

always have

0:09:47.920,0:09:54.000

and we also now can consider

0:09:52.240,0:09:56.720

fuel cells. So let's take a look at the

0:09:54.000,0:09:59.120

fuel cell requirements.

0:09:56.720,0:10:00.080

Fuel cells can be used as the alternate

0:09:59.120,0:10:02.800

power source

0:10:00.080,0:10:04.640

if they meet the following requirements.

0:10:02.800,0:10:07.680

They have to comply with Article

0:10:04.640,0:10:10.320

692 which is fuel cells. They have to

0:10:07.680,0:10:11.680

have a one plus one redundancy.

0:10:10.320,0:10:13.600

They need to be able to assume the load

0:10:11.680,0:10:15.600

within 10 seconds.

0:10:13.600,0:10:17.200

They have to have sufficient on-site

0:10:15.600,0:10:19.120

fuel storage for the essential

0:10:17.200,0:10:21.600

electrical system

0:10:19.120,0:10:23.279

which for a hospital would be up to 72

0:10:21.600,0:10:24.800

hours.

0:10:23.279,0:10:26.320
They would have to have a connection for

0:10:24.800,0:10:30.079
a portable generator

0:10:26.320,0:10:30.079
which is also now required for

0:10:30.839,0:10:36.959
generators in Article

0:10:34.079,0:10:40.399
700 and they have to be listed for

0:10:36.959,0:10:40.399
emergency system use.

0:10:43.279,0:10:47.519
We have changes in the critical

0:10:45.519,0:10:51.279
branch requirements

0:10:47.519,0:10:51.279
and we'll look at those.

0:10:51.920,0:10:57.519

We have equipment that are required to

0:10:53.920,0:11:00.320

be connected to the critical branch

0:10:57.519,0:11:02.640

the electrical clock the sensor operated

0:11:00.320,0:11:04.399

fixtures and the alarm systems

0:11:02.640,0:11:06.880

for negative pressure isolation rooms

0:11:04.399,0:11:08.880

and positive pressure isolation rooms,

0:11:06.880,0:11:11.600

these are our existing requirements but

0:11:08.880,0:11:14.240

now we have four additional requirements,

0:11:11.600,0:11:15.200

medical dispensing units medication

0:11:14.240,0:11:18.160

refrigerator

0:11:15.200,0:11:20.000
and freezers patient food refrigerator

0:11:18.160,0:11:22.079
single phase only

0:11:20.000,0:11:23.920
and pharmacy compounding engineering

0:11:22.079,0:11:24.720
controls, these are required to be

0:11:23.920,0:11:28.800
connected to

0:11:24.720,0:11:32.320
the critical branch.

0:11:28.800,0:11:34.560
Now we're going to talk about the Type 2

0:11:32.320,0:11:36.000
essential electrical system used for

0:11:34.560,0:11:39.120
nursing homes

0:11:36.000,0:11:42.160

limited care facilities sub-acute not

0:11:39.120,0:11:46.560
sub-acute but skill nursing facilities

0:11:42.160,0:11:50.320
and acute psych hospitals without

0:11:46.560,0:11:53.440
critical care or general care locations.

0:11:50.320,0:11:56.959
The Type 2 electrical system

0:11:53.440,0:12:00.240
has two branches instead of three.

0:11:56.959,0:12:01.120
The first branch is life safety the

0:12:00.240,0:12:04.639
other branch

0:12:01.120,0:12:05.360
is now the equipment branch. In previous

0:12:04.639,0:12:07.440
codes

0:12:05.360,0:12:09.200
this was actually the called the

0:12:07.440,0:12:10.959
critical branch.

0:12:09.200,0:12:12.720
There is no difference between the

0:12:10.959,0:12:15.120
critical branch and the

0:12:12.720,0:12:18.399
equipment branch for these Type 2

0:12:15.120,0:12:18.399
essential electrical systems.

0:12:21.440,0:12:26.480
We have changes to nurse call in Article

0:12:25.240,0:12:29.279
517.123.

0:12:26.480,0:12:32.399
It's been restructured, the requirements

0:12:29.279,0:12:35.120
are basically the same as before,

0:12:32.399,0:12:36.560
the table in the Building Code has been

0:12:35.120,0:12:38.079
updated and changed.

0:12:36.560,0:12:39.760
So you need to review that if you've

0:12:38.079,0:12:40.639
been doing nurse call projects in the

0:12:39.760,0:12:43.360
past.

0:12:40.639,0:12:45.519
Please review this new table, this new

0:12:43.360,0:12:47.120
table has been structured

0:12:45.519,0:12:49.519
that it includes the hospital

0:12:47.120,0:12:51.040
requirements which is 1224 in the

0:12:49.519,0:12:52.880

Building Code

0:12:51.040,0:12:56.000
skilled nursing facility requirements

0:12:52.880,0:12:59.040
which is 1225

0:12:56.000,0:13:02.560
clinics which is 1226

0:12:59.040,0:13:06.000
correctional facilities which is 1227

0:13:02.560,0:13:07.839
and acute psych which is 1228. So again

0:13:06.000,0:13:10.240
this table has been changed, please

0:13:07.839,0:13:13.360
review it on new

0:13:10.240,0:13:13.360
nurse call projects.

0:13:14.320,0:13:20.240
And in summary I want to remind you that

0:13:17.680,0:13:23.279

hospitals are required...

0:13:20.240,0:13:26.480

I just lost the screen there cesar... all

0:13:23.279,0:13:30.079

right let me see what I can do for you,

0:13:26.480,0:13:33.760

it looks like we are back

0:13:30.079,0:13:34.320

and that was on slide 21. Yes I'll get

0:13:33.760,0:13:37.839

you there.

0:13:34.320,0:13:37.839

Sorry about that hold tight.

0:13:39.600,0:13:42.880

Okay should be good. Okay so sorry about

0:13:42.560,0:13:45.600

that

0:13:42.880,0:13:46.959

everyone. So in summary here we just want

0:13:45.600,0:13:49.440
to remind you that

0:13:46.959,0:13:50.959
hospitals which are general acute care

0:13:49.440,0:13:55.040
hospitals

0:13:50.959,0:13:58.320
require up to 72 hours

0:13:55.040,0:14:01.040
of on-site fuel storage.

0:13:58.320,0:14:02.639
The ambulatory surgical require four

0:14:01.040,0:14:05.440
hours.

0:14:02.639,0:14:07.519
Skilled nursing SNF's

0:14:05.440,0:14:09.760
requires six hours.

0:14:07.519,0:14:12.600

Acute psych requires six hours and these

0:14:09.760,0:14:14.959
requirements can all be found in Article

0:14:12.600,0:14:17.199
700.12(B(2).

0:14:14.959,0:14:18.320
We also want to remind you to look at

0:14:17.199,0:14:20.959
the Remodel CAN.

0:14:18.320,0:14:23.160
When you're doing remodel projects this

0:14:20.959,0:14:25.120
is CAN

0:14:23.160,0:14:26.800
2-102.6 and it can be found on the

0:14:25.120,0:14:28.639
OSHPD website

0:14:26.800,0:14:30.800
and when you're doing sub-acute

0:14:28.639,0:14:34.720

conversions at a skill nursing facility

0:14:30.800,0:14:37.199

please see CAN 3-517.40B

0:14:34.720,0:14:38.320

for the requirements. What you'll find in

0:14:37.199,0:14:42.240

this

0:14:38.320,0:14:43.760

CAN is that your two-branch system that

0:14:42.240,0:14:46.160

you'd use at a skill nursing

0:14:43.760,0:14:46.959

facility will have to be changed to a

0:14:46.160,0:14:50.000

three branch

0:14:46.959,0:14:53.040

hospital grade system.

0:14:50.000,0:14:59.279

Other topics to review

0:14:53.040,0:15:02.079

are your optional loads in 517.31(B)(1).

0:14:59.279,0:15:03.199

You have the utility requirements in the

0:15:02.079,0:15:06.079

Building Code

0:15:03.199,0:15:08.480

and and this is the Existing Building

0:15:06.079,0:15:10.399

Code Part 10.

0:15:08.480,0:15:12.880

It's been updated for dealing with

0:15:10.399,0:15:15.440

OSHPD 1R Buildings

0:15:12.880,0:15:16.639

and for your pv projects and your fuel

0:15:15.440,0:15:20.480

cell projects,

0:15:16.639,0:15:22.800

please look at 225.30 for disconnect

0:15:20.480,0:15:22.800

means.

0:15:22.959,0:15:28.720

And that's

0:15:26.480,0:15:30.079

all I have Dave it's yours. Perfect, thank

0:15:28.720,0:15:33.600

you. Thank you Bill.

0:15:30.079,0:15:35.279

Dave go ahead. All right.

0:15:33.600,0:15:36.880

Hello everybody this is Dave Mason

0:15:35.279,0:15:39.759

Senior Mechanical Engineer here at

0:15:36.880,0:15:41.199

OSHPD in the Regs Unit and I see a

0:15:39.759,0:15:44.000

lot of names I recognize so

0:15:41.199,0:15:44.800
I'm glad you tuned in to our

0:15:44.000,0:15:46.079
presentation.

0:15:44.800,0:15:48.639
And we're all struggling a little bit

0:15:46.079,0:15:50.560
with these current affairs.

0:15:48.639,0:15:51.920
Current things going on it makes you

0:15:50.560,0:15:52.959
feel any better, Bill and I are both

0:15:51.920,0:15:54.560
sitting here

0:15:52.959,0:15:56.320
and it looks like we're wearing bad toupees

0:15:54.560,0:15:57.680
because we we're way overdue for a

0:15:56.320,0:16:00.000
haircut. So

0:15:57.680,0:16:00.880

We'll get started here I'm going to

0:16:00.000,0:16:03.519

go over

0:16:00.880,0:16:05.040

the Mechanical Code first Part 4 and

0:16:03.519,0:16:06.399

then I'll follow that with Part 5 and

0:16:05.040,0:16:07.440

I'll try to make it quick.

0:16:06.399,0:16:08.639

There's a lot of information here.

0:16:07.440,0:16:09.519

There's a lot of backup information i'm

0:16:08.639,0:16:11.040

going to go over

0:16:09.519,0:16:12.800

to kind of fill in the blanks. Cesar's

0:16:11.040,0:16:14.399

going to be running the slides for me

0:16:12.800,0:16:16.000
due to a technical glitch that we're

0:16:14.399,0:16:17.600
dealing with but we should be able to

0:16:16.000,0:16:20.880
get through it just fine.

0:16:17.600,0:16:22.160
Once again, thanks for tuning in so

0:16:20.880,0:16:24.720
okay for general items we're going to be

0:16:22.160,0:16:25.519
going over changes in Part 4 which

0:16:24.720,0:16:28.560
include

0:16:25.519,0:16:30.800
some fairly minor changes in the

0:16:28.560,0:16:32.880
tables 4-A and 4-B

0:16:30.800,0:16:34.880
and which is the airflow ventilation

0:16:32.880,0:16:36.639
requirements in filtration.

0:16:34.880,0:16:38.959
And then we'll discuss 1R

0:16:36.639,0:16:41.120
considerations I want to talk about that

0:16:38.959,0:16:42.399
somewhat philosophically to try to

0:16:41.120,0:16:43.600
bring some clarity to it.

0:16:42.399,0:16:45.839
Because I know a lot of people are

0:16:43.600,0:16:48.000
confused by that. Okay so Cesar go

0:16:45.839,0:16:48.000
ahead.

0:16:48.079,0:16:51.279
Now 402.1 what we're doing is we're

0:16:50.000,0:16:54.000

taking out that banner that says not

0:16:51.279,0:16:55.199

permitted for OSHPD.

0:16:54.000,0:16:56.880

Just so you know currently with the

0:16:55.199,0:16:58.240

current express terms that are open for

0:16:56.880,0:16:59.680

public comment we're also doing the same

0:16:58.240,0:17:02.079

for 402.0.

0:16:59.680,0:17:04.160

What we're doing here is we are moving

0:17:02.079,0:17:06.160

towards

0:17:04.160,0:17:07.439

having these facilities, our facilities

0:17:06.160,0:17:11.760

ventilated

0:17:07.439,0:17:14.400
for per 62.1 in addition to ASHRAE 170

0:17:11.760,0:17:16.000
type of requirements and that all of

0:17:14.400,0:17:17.039
that needs some clarification which I'm

0:17:16.000,0:17:19.199
currently working on but

0:17:17.039,0:17:21.520
that's what we're doing here. Next slide

0:17:19.199,0:17:21.520
Cesar.

0:17:21.679,0:17:26.240
Okay on the neonatal intensive care

0:17:25.520,0:17:28.400
units

0:17:26.240,0:17:29.280
we have a couple new changes here. The

0:17:28.400,0:17:31.840

formulation prep

0:17:29.280,0:17:33.360

area, we have the group E, nonaspirating

0:17:31.840,0:17:36.000

supply diffusers.

0:17:33.360,0:17:37.360

And we have the low level air

0:17:36.000,0:17:38.960

removal from the space.

0:17:37.360,0:17:41.520

This initially from what I understand

0:17:38.960,0:17:44.080

came in as a suggestion from CDPH.

0:17:41.520,0:17:46.320

So we went ahead with it and obviously

0:17:44.080,0:17:49.520

the the effort here is to keep the the

0:17:46.320,0:17:51.039

formula producing area very very clean.

0:17:49.520,0:17:53.200

We have the same thing in the treatment

0:17:51.039,0:17:55.039

area/room.

0:17:53.200,0:17:56.559

It's kind of like the work area, where we

0:17:55.039,0:17:57.919

have grouping nonaspirating supply

0:17:56.559,0:18:00.720

diffusers. Same kind of diffuser you'd

0:17:57.919,0:18:03.600

see in an operating room

0:18:00.720,0:18:05.520

and low removal from that area. A little

0:18:03.600,0:18:06.559

trivia for you there, there are occasions

0:18:05.520,0:18:07.919

where they may have to do

0:18:06.559,0:18:10.240

actually open somebody up and do a

0:18:07.919,0:18:12.400
surgery in a NICU

0:18:10.240,0:18:13.919
and in an ICU, they actually do it there

0:18:12.400,0:18:15.360
in the room in some cases they don't

0:18:13.919,0:18:16.480
have time to move the patient. So

0:18:15.360,0:18:18.480
I think that's really what kind of

0:18:16.480,0:18:20.160
motivated this so it makes sense

0:18:18.480,0:18:22.480
in that light. We'll go to the next slide

0:18:20.160,0:18:22.480
Cesar.

0:18:23.760,0:18:26.880
Okay Table 4-A you'll notice we have

0:18:25.600,0:18:28.720

removed five spaces

0:18:26.880,0:18:30.160

these are spaces that are not covered

0:18:28.720,0:18:32.480

in ASHRAE 170

0:18:30.160,0:18:33.840

we don't really consider them specific

0:18:32.480,0:18:35.760

to healthcare,

0:18:33.840,0:18:37.760

they're general spaces by the fact that

0:18:35.760,0:18:40.320

we're removing them from the table

0:18:37.760,0:18:41.520

and recently removing administrative

0:18:40.320,0:18:43.120

there.

0:18:41.520,0:18:45.200

We move these areas into the realm of

0:18:43.120,0:18:48.400

62.1 type ventilation.

0:18:45.200,0:18:51.120

Okay so next slide Cesar.

0:18:48.400,0:18:53.280

Thank you, now the various changes here

0:18:51.120,0:18:54.880

in 4-A we're adding observation

0:18:53.280,0:18:56.400

and we're adding pharmacy. Now

0:18:54.880,0:18:59.200

observation was added

0:18:56.400,0:19:01.360

just to keep this table up to speed with

0:18:59.200,0:19:03.600

what's going on in the CBC.

0:19:01.360,0:19:05.120

In the changes in the Building Code we

0:19:03.600,0:19:06.480

want to match those of course to

0:19:05.120,0:19:07.520
serve the Mechanical Rngineers designing

0:19:06.480,0:19:09.039
for those spaces, is they're going to

0:19:07.520,0:19:11.039
show up on floor plans now.

0:19:09.039,0:19:12.480
Observation being done the other

0:19:11.039,0:19:15.039
one is pharmacy

0:19:12.480,0:19:15.840
and when we made these express terms

0:19:15.039,0:19:17.120
we were

0:19:15.840,0:19:18.480
looking at, we'll get in this a little

0:19:17.120,0:19:19.840
more here but we were looking at

0:19:18.480,0:19:22.240
compounding

0:19:19.840,0:19:23.840
suites and pharmacies and changes that

0:19:22.240,0:19:25.520
have occurred there in order to really

0:19:23.840,0:19:28.799
control

0:19:25.520,0:19:30.720
fungus contamination in in compounding

0:19:28.799,0:19:32.400
of some pretty serious drugs. So we'll

0:19:30.720,0:19:35.039
get into that in a second here.

0:19:32.400,0:19:35.039
Go ahead Cesar.

0:19:35.840,0:19:40.080
Okay as I mentioned if you look at

0:19:38.320,0:19:42.799
footnote b the change there in

0:19:40.080,0:19:44.559

table 4-A this was brought about by a

0:19:42.799,0:19:46.400

case several years ago when a

0:19:44.559,0:19:48.559

compounding pharmacy had a kind of a

0:19:46.400,0:19:50.720

mystery fungus that showed up in their

0:19:48.559,0:19:52.640

spinal steroid that killed 65 people and

0:19:50.720,0:19:53.440

then these USP regulations all of a

0:19:52.640,0:19:55.760

sudden

0:19:53.440,0:19:57.280

became a high priority and in our regs

0:19:55.760,0:19:58.880

throughout we've been reflecting

0:19:57.280,0:20:00.400

these changes. And that's where it shows

0:19:58.880,0:20:00.880

up here in Table 4-A in footnote

0:20:00.400,0:20:03.919

b

0:20:00.880,0:20:06.000

it references USB 797 and 800.

0:20:03.919,0:20:08.400

So that's what we're doing, next slide

0:20:06.000,0:20:08.400

Cesar.

0:20:08.480,0:20:12.720

Okay here's where we get specific in

0:20:11.520,0:20:14.559

Table

0:20:12.720,0:20:15.840

4-A at the very last, I think it's the

0:20:14.559,0:20:18.000

very last footnote now,

0:20:15.840,0:20:19.120

but note (ab) you can never have too many

0:20:18.000,0:20:21.679

footnotes right.

0:20:19.120,0:20:22.640

So we're down to (ab) on this one and

0:20:21.679,0:20:24.159

this is where we say

0:20:22.640,0:20:27.200

space is not listed here in this table

0:20:24.159,0:20:29.520

maybe for ASHRAE 62.1.

0:20:27.200,0:20:30.320

Okay that's 621 is also the

0:20:29.520,0:20:34.559

adopted

0:20:30.320,0:20:36.640

ventilation standard in the CMC.

0:20:34.559,0:20:37.760

And that the language in Chapter 4

0:20:36.640,0:20:40.320

the CMC is

0:20:37.760,0:20:41.600

is basically just carbon copy from 62.1

0:20:40.320,0:20:45.120

the standard language.

0:20:41.600,0:20:46.880

So for what it's worth. The next table

0:20:45.120,0:20:49.120

here we have Table 4-B,

0:20:46.880,0:20:51.280

we have we're adding the HEPA

0:20:49.120,0:20:54.080

filtration for the NICU

0:20:51.280,0:20:55.919

preparation area formula preparation

0:20:54.080,0:20:57.919

area and the treatment area room.

0:20:55.919,0:20:59.000

Okay so we've got HEPA filtration on

0:20:57.919,0:21:02.559

those

0:20:59.000,0:21:05.360

99.97 efficiency or 17.

0:21:02.559,0:21:05.360

Next slide Cesar.

0:21:05.600,0:21:10.320

Okay

0:21:08.799,0:21:11.360

what we're doing here is we're

0:21:10.320,0:21:12.720

letting, we've been letting the public

0:21:11.360,0:21:16.159

know for quite a while we've got these

0:21:12.720,0:21:18.480

OSHPD 1R facilities Richard might help

0:21:16.159,0:21:20.080

fill us in a little more on this but,

0:21:18.480,0:21:22.080
but

0:21:20.080,0:21:23.840
it does obviously provide opportunities

0:21:22.080,0:21:25.200
for healthcare providers to keep these

0:21:23.840,0:21:27.039
facilities

0:21:25.200,0:21:28.320
in their portfolio and keep them under

0:21:27.039,0:21:29.520
OSHPD jurisdiction.

0:21:28.320,0:21:31.679
However there'll be different things

0:21:29.520,0:21:33.120
going on in them. Now when I say

0:21:31.679,0:21:35.039
I want to get philosophical what I'm

0:21:33.120,0:21:36.480
saying here is for my fellow

0:21:35.039,0:21:38.720

Mechanical Engineers out there

0:21:36.480,0:21:39.520

think of the systems in these buildings

0:21:38.720,0:21:41.919

such that

0:21:39.520,0:21:43.200

if a 1R Building happens to go

0:21:41.919,0:21:45.280

down in a seismic event

0:21:43.200,0:21:47.039

in the future design your system such

0:21:45.280,0:21:48.640

that having the building go down will

0:21:47.039,0:21:50.320

not take out the rest of the facility

0:21:48.640,0:21:51.120

and not take out the critical care areas

0:21:50.320,0:21:53.360

that are

0:21:51.120,0:21:54.400
there that are seismically

0:21:53.360,0:21:55.679
compliant.

0:21:54.400,0:21:57.120
That's the main thing we're looking for

0:21:55.679,0:21:58.799
here and that gets pretty intricate

0:21:57.120,0:22:01.280
in terms of the chill water systems the

0:21:58.799,0:22:05.120
med gas systems which we can get in later.

0:22:01.280,0:22:06.960
But that's the the basic

0:22:05.120,0:22:08.640
thrust of what we're trying to do

0:22:06.960,0:22:10.400
with these changes in the code and

0:22:08.640,0:22:12.159

these changes are gonna be ongoing as we

0:22:10.400,0:22:14.559

try to refine this and

0:22:12.159,0:22:16.080

and I always I welcome your comments

0:22:14.559,0:22:20.080

from the public on this too.

0:22:16.080,0:22:21.840

Yeah so next slide Cesar.

0:22:20.080,0:22:24.559

It talks about removing loads from

0:22:21.840,0:22:26.880

compliant OSHPD 1 infrastructures

0:22:24.559,0:22:28.480

so a lot of these systems will be

0:22:26.880,0:22:29.120

separate in a 1R facility they'll

0:22:28.480,0:22:30.720

be separate

0:22:29.120,0:22:32.320

for that building not serving other

0:22:30.720,0:22:34.640

buildings. Okay

0:22:32.320,0:22:36.320

especially with medical gases that's

0:22:34.640,0:22:37.760

a pretty hot item there

0:22:36.320,0:22:39.280

and you're gonna find in some of these

0:22:37.760,0:22:39.919

cases too for some of these medical

0:22:39.280,0:22:41.840

campuses

0:22:39.919,0:22:43.440

you'll see something like

0:22:41.840,0:22:46.240

a med gas

0:22:43.440,0:22:47.760

gas source equipment maybe a chiller it

0:22:46.240,0:22:48.159
might be trying to serve other buildings

0:22:47.760,0:22:49.440
or

0:22:48.159,0:22:50.559
it might be applicable to serve other

0:22:49.440,0:22:52.960
buildings. That's where you have to be

0:22:50.559,0:22:56.640
careful about these requirements

0:22:52.960,0:22:56.640
Next slide Cesar.

0:22:56.720,0:23:00.880
We'll go on to Part 5 here

0:22:59.200,0:23:03.360
for the Plumbing Code

0:23:00.880,0:23:04.320
and this will even be quicker

0:23:03.360,0:23:06.840
general terms,

0:23:04.320,0:23:08.400
general items here and Table 4-2

0:23:06.840,0:23:11.280
updates.

0:23:08.400,0:23:12.080
Next slide there you go, what we're

0:23:11.280,0:23:15.919
doing here

0:23:12.080,0:23:18.080
is we're taking the floor drains out

0:23:15.919,0:23:19.679
of the compounding buffer or ante. So

0:23:18.080,0:23:23.120
we're taking them out of the

0:23:19.679,0:23:24.320
critical the iso standard compounding

0:23:23.120,0:23:28.159
suitet areas.

0:23:24.320,0:23:29.440

The reason for that is the traps

0:23:28.159,0:23:32.720

in sewer traps

0:23:29.440,0:23:33.520

they can carry bacteria and fungus that

0:23:32.720,0:23:35.200

0:23:33.520,0:23:37.600

that can get sucked into the air and

0:23:35.200,0:23:40.000

then contaminate the medications

0:23:37.600,0:23:42.400

and it's really pertinent now.

0:23:40.000,0:23:45.200

Now we're dealing with another

0:23:42.400,0:23:46.320

corona, a sars type virus, that's also

0:23:45.200,0:23:48.159

going to be a factor for

0:23:46.320,0:23:49.520
plumbing traps. So and for what it's

0:23:48.159,0:23:51.360
worth here

0:23:49.520,0:23:52.799
you'll see that you, a lot of you

0:23:51.360,0:23:54.080
probably already know we have handwash

0:23:52.799,0:23:55.679
fixtures in the anterooms, in these

0:23:54.080,0:23:57.760
facilities and there's some talk now

0:23:55.679,0:23:58.799
as the knowledge is growing that those

0:23:57.760,0:24:01.120
handwash fixtures

0:23:58.799,0:24:03.120
in the anteroom probably are a source of

0:24:01.120,0:24:05.120
contamination.

0:24:03.120,0:24:06.480
Just note that maybe in the future we

0:24:05.120,0:24:08.080
might be trying to get those moved out

0:24:06.480,0:24:10.080
of those empty rooms, so

0:24:08.080,0:24:12.480
same kind of problem here. Next slide

0:24:10.080,0:24:12.480
Cesar.

0:24:12.640,0:24:17.039
Okay various changes once again here

0:24:15.520,0:24:18.400
we're just trying to keep up with the

0:24:17.039,0:24:20.000
changes in the Building Code

0:24:18.400,0:24:21.600
regarding observation units and we do

0:24:20.000,0:24:23.279
have a couple different changes

0:24:21.600,0:24:24.720
in Table 4-2 on plumbing

0:24:23.279,0:24:26.880
fixtures.

0:24:24.720,0:24:28.320
We have some stuff where we've got

0:24:26.880,0:24:30.480
accessible

0:24:28.320,0:24:32.159
to the unit toilet rooms in a

0:24:30.480,0:24:33.679
corridor nearby and things like that so

0:24:32.159,0:24:35.840
we're addressing that here in Table 4-2

0:24:33.679,0:24:40.960
it's nothing too big really.

0:24:35.840,0:24:40.960

Next slide Cesar.

0:24:41.679,0:24:45.760

Okay. I guess I'm on. This is Richard so

0:24:44.720,0:24:46.880

we're going to talk a little about the

0:24:45.760,0:24:48.960

Energy Code

0:24:46.880,0:24:51.679

and how it applies to health care

0:24:48.960,0:24:51.679

facilities.

0:24:56.159,0:25:00.960

I first want to talk about the

0:24:57.279,0:25:04.080

jurisdiction

0:25:00.960,0:25:08.480

codes adopted by the energy commission

0:25:04.080,0:25:10.159

typically use a commissioning process

0:25:08.480,0:25:11.520
working with the California Energy

0:25:10.159,0:25:14.880
Commission.

0:25:11.520,0:25:17.520
We have shown them the

0:25:14.880,0:25:18.559
TIO program that OSHPD uses and is

0:25:17.520,0:25:20.880
actually

0:25:18.559,0:25:22.159
in excess of what they were requiring so

0:25:20.880,0:25:26.840
they are allowing us to

0:25:22.159,0:25:30.240
continue using our TIO program to

0:25:26.840,0:25:31.679
verify the applications being proposed

0:25:30.240,0:25:35.360
or installed and we'll go over

0:25:31.679,0:25:35.360

that a little bit more.

0:25:35.840,0:25:42.400

So what's required for

0:25:39.120,0:25:44.080

energy efficiency program and it's

0:25:42.400,0:25:47.360

basically

0:25:44.080,0:25:52.080

new elements related through A through D

0:25:47.360,0:25:54.799

here. So this is HVAC systems

0:25:52.080,0:25:56.400

indoor lighting systems water heating

0:25:54.799,0:25:59.039

systems and the building

0:25:56.400,0:26:01.200

envelope considerations. The key word

0:25:59.039,0:26:03.600

here is new elements.

0:26:01.200,0:26:05.760
If any of these things are going in new

0:26:03.600,0:26:07.360
it does require,

0:26:05.760,0:26:09.039
they are required to meet the Energy

0:26:07.360,0:26:11.840
Commission requirements Part

0:26:09.039,0:26:11.840
6

0:26:12.080,0:26:17.520
of the Building Code.

0:26:15.840,0:26:18.880
We'll go through a little bit of

0:26:17.520,0:26:20.720
examples on these

0:26:18.880,0:26:22.080
as we go through but I just want to

0:26:20.720,0:26:26.240
emphasize this is a

0:26:22.080,0:26:26.240
new systems going in.

0:26:32.000,0:26:38.640
So under Section 141 it identifies the

0:26:35.600,0:26:42.320
additions alteration repairs

0:26:38.640,0:26:43.520
that would require compliance with the

0:26:42.320,0:26:47.840
energy

0:26:43.520,0:26:49.360
section and one of the things to note

0:26:47.840,0:26:51.120
here for health care

0:26:49.360,0:26:53.200
is any alterations to health care

0:26:51.120,0:26:55.360
facilities are not required

0:26:53.200,0:26:57.360
to comply with this section. This is

0:26:55.360,0:26:59.600
specifically to, like remodels and

0:26:57.360,0:27:02.320
alterations.

0:26:59.600,0:27:04.080
So healthcare facilities are exempt when

0:27:02.320,0:27:05.760
they're doing remodels.

0:27:04.080,0:27:07.279
Okay and healthcare facility in this

0:27:05.760,0:27:10.000
sense is that

0:27:07.279,0:27:12.400
per the Energy Commission is identified

0:27:10.000,0:27:14.080
as any building or portion

0:27:12.400,0:27:17.120

that is licensed through the Health and

0:27:14.080,0:27:20.240
Safety Code through 1204 or 1250 which

0:27:17.120,0:27:21.600
is basically hospitals or clinics. I do

0:27:20.240,0:27:22.159
anticipate a change of that in the

0:27:21.600,0:27:25.039
future.

0:27:22.159,0:27:26.000
So keep an eye on it but for now

0:27:25.039,0:27:28.640
existing

0:27:26.000,0:27:30.399
health care facilities that are licensed

0:27:28.640,0:27:35.840
keyword being licensed

0:27:30.399,0:27:35.840
are exempt from remodel requirements.

0:27:36.480,0:27:40.720
So let's look at the definitions and how

0:27:39.360,0:27:43.279
they're applied,

0:27:40.720,0:27:45.679
OSHPD versus the Energy Commission's

0:27:43.279,0:27:48.080
definition of addition.

0:27:45.679,0:27:50.320
What's the difference? Okay OSHPD

0:27:48.080,0:27:53.039
defines an addition as an extension

0:27:50.320,0:27:55.120
or increase in floor area or height of

0:27:53.039,0:27:58.159
an existing building or structure

0:27:55.120,0:27:58.399
this would be an expansion extension and

0:27:58.159,0:28:03.760
an

0:27:58.399,0:28:05.520

increase in gross floor area or height.

0:28:03.760,0:28:07.520

The Energy Commission identifies

0:28:05.520,0:28:09.520

addition as any change to building that

0:28:07.520,0:28:12.240

increases the condition floor area

0:28:09.520,0:28:13.679

and conditioned volume. That's quite a

0:28:12.240,0:28:14.240

bit of difference in how we're looking

0:28:13.679,0:28:16.480

at that so

0:28:14.240,0:28:18.080

any newly conditioned space would meet

0:28:16.480,0:28:18.799

the requirement of an addition. So you

0:28:18.080,0:28:20.960

can have a shell

0:28:18.799,0:28:22.159
space if it wasn't previously

0:28:20.960,0:28:23.760
conditioned

0:28:22.159,0:28:26.159
and now you're going to be conditioning

0:28:23.760,0:28:27.520
it, it would meet that requirement and

0:28:26.159,0:28:31.840
fall under the

0:28:27.520,0:28:33.760
requirements of an addition. Okay

0:28:31.840,0:28:35.440
so again the newly conditioned space, any

0:28:33.760,0:28:37.120
space being converted from unconditioned

0:28:35.440,0:28:40.720
to directly conditioned

0:28:37.120,0:28:40.720

or indirectly conditioned space.

0:28:41.679,0:28:45.200

So what's regulated? These are the items

0:28:43.679,0:28:47.120

I mentioned before

0:28:45.200,0:28:49.200

we're looking at envelope including

0:28:47.120,0:28:50.159

walls windows roof floors and other

0:28:49.200,0:28:53.200

elements this would

0:28:50.159,0:28:54.799

apply to any addition expansion or new

0:28:53.200,0:28:58.159

buildings.

0:28:54.799,0:29:01.919

Mechanical systems they're limited to

0:28:58.159,0:29:04.320

all mechanical all new equipment

0:29:01.919,0:29:07.039
going into a building for an addition

0:29:04.320,0:29:08.960
or a new project. And basically everyone

0:29:07.039,0:29:11.279
worries about this but

0:29:08.960,0:29:12.320
the mechanical systems that are already

0:29:11.279,0:29:14.000
out there

0:29:12.320,0:29:15.440
that are available to purchase in

0:29:14.000,0:29:16.640
California already meet these

0:29:15.440,0:29:19.919
requirements.

0:29:16.640,0:29:23.039
But a basis of design is required when

0:29:19.919,0:29:24.840

using any of these four systems.

0:29:23.039,0:29:26.640
So we're also looking at lighting

0:29:24.840,0:29:28.399
systems

0:29:26.640,0:29:30.080
with exceptions for specialty lighting

0:29:28.399,0:29:33.279
like surgery and exam lights

0:29:30.080,0:29:37.200
but your standard housekeeping lighting

0:29:33.279,0:29:39.200
or general lighting, okay.

0:29:37.200,0:29:40.720
And domestic hot water systems

0:29:39.200,0:29:43.440
regulating efficiency

0:29:40.720,0:29:44.240
of equipment and controls, these all are

0:29:43.440,0:29:45.919

required

0:29:44.240,0:29:48.320

to meet the requirements of the Energy

0:29:45.919,0:29:48.320

Commission.

0:29:50.720,0:29:55.440

Then when we come down to enforcement, we

0:29:53.760,0:29:58.399

do require verification

0:29:55.440,0:29:59.760

of installation for led lighting.

0:29:58.399,0:30:01.120

Basically the four items we just

0:29:59.760,0:30:02.799

mentioned building envelope and

0:30:01.120,0:30:05.520

equipment efficiency ratings will have

0:30:02.799,0:30:05.520

to be confirmed.

0:30:05.600,0:30:10.240

And this is where this authority

0:30:08.960,0:30:13.279

comes from

0:30:10.240,0:30:16.799

in Part 6 of the

0:30:13.279,0:30:20.240

Energy Code it says an acceptance

0:30:16.799,0:30:23.679

test technician or field technician can

0:30:20.240,0:30:25.679

observe the installation and that any

0:30:23.679,0:30:27.440

agency organization

0:30:25.679,0:30:29.279

can approve the Commission to train and

0:30:27.440,0:30:31.919

certify this test

0:30:29.279,0:30:32.799

technician. This is equivalent to our IOR

0:30:31.919,0:30:34.640

system.

0:30:32.799,0:30:36.399

So this gives us the authority to use

0:30:34.640,0:30:39.520

our IOR

0:30:36.399,0:30:43.440

system to verify compliance with these

0:30:39.520,0:30:43.440

systems. Okay

0:30:43.919,0:30:48.080

so to verify this compliance there's a

0:30:46.000,0:30:48.799

new section in the TIO that has been

0:30:48.080,0:30:52.640

added

0:30:48.799,0:30:55.520

by the ISU

0:30:52.640,0:30:56.399

Inspection Services Unit it's tab E on

0:30:55.520,0:30:58.799

the

0:30:56.399,0:31:02.159

TIO. And what you're going to be seeing

0:30:58.799,0:31:04.880

is the NRCI which is basically your

0:31:02.159,0:31:05.919

compliance of installation. And there's a

0:31:04.880,0:31:07.600

whole list here

0:31:05.919,0:31:10.240

goes beyond these four that are shown

0:31:07.600,0:31:13.919

here

0:31:10.240,0:31:16.720

but if any of these are being installed

0:31:13.919,0:31:17.600

the there is a certificate of

0:31:16.720,0:31:20.720
installation

0:31:17.600,0:31:22.000
that is required to be submitted and

0:31:20.720,0:31:25.360
it'll be signed off

0:31:22.000,0:31:28.320
by the inspector that it was received.

0:31:25.360,0:31:28.880
It's not the IOR's responsibility to do

0:31:28.320,0:31:32.000
these

0:31:28.880,0:31:34.960
certificates but they are

0:31:32.000,0:31:35.760
responsible for helping to gather them.

0:31:34.960,0:31:37.120
And

0:31:35.760,0:31:41.600

it's actually the design team's

0:31:37.120,0:31:41.600
responsibility to administer the TIO.

0:31:42.880,0:31:47.279
So resources training and software for

0:31:45.919,0:31:48.480
this program.

0:31:47.279,0:31:50.320
We're not seeing a whole lot of these

0:31:48.480,0:31:51.360
come in yet but they are starting to

0:31:50.320,0:31:56.159
come in.

0:31:51.360,0:31:56.159
There is a third party agency called

0:31:57.360,0:32:04.880
Energy Code Ace that

0:32:01.200,0:32:08.000
we have been working with to

0:32:04.880,0:32:09.600
provide modeling help. They also

0:32:08.000,0:32:14.159
help with the forms

0:32:09.600,0:32:16.000
and they also did some online training

0:32:14.159,0:32:18.399
over the last year. This has been going

0:32:16.000,0:32:18.799
on and a lot of them are recorded so you

0:32:18.399,0:32:22.880
can

0:32:18.799,0:32:23.840
check their website as well as attend

0:32:22.880,0:32:26.320
some online

0:32:23.840,0:32:27.679
training that they are still providing

0:32:26.320,0:32:30.559
and kind of their

0:32:27.679,0:32:31.120

test modeling is done to show that you

0:32:30.559,0:32:33.440

can

0:32:31.120,0:32:34.799

meet the requirements of the Energy Code

0:32:33.440,0:32:38.480

without making your

0:32:34.799,0:32:38.480

hospital look like a shoebox.

0:32:39.360,0:32:44.000

So they provide real world examples that

0:32:42.240,0:32:45.840

have been done

0:32:44.000,0:32:48.720

and meet all the energy requirements for

0:32:45.840,0:32:48.720

new facilities.

0:32:50.000,0:32:53.840

These are the forms that are available

0:32:51.919,0:32:55.840
the NRCC the non-residential

0:32:53.840,0:32:57.440
certificates of compliance,

0:32:55.840,0:32:59.440
these are submitted when you do plan

0:32:57.440,0:33:02.240
review, and

0:32:59.440,0:33:04.559
they are required for the different

0:33:02.240,0:33:11.840
portions of work that you are doing

0:33:04.559,0:33:14.320
and they are submitted with your project.

0:33:11.840,0:33:14.960
Okay the green stars, things

0:33:14.320,0:33:16.720
you'll be

0:33:14.960,0:33:18.480

using these forms all the time for your

0:33:16.720,0:33:19.760

sign lighting outdoor lighting and your

0:33:18.480,0:33:22.640

electrical.

0:33:19.760,0:33:24.640

The red x's you'll never need to

0:33:22.640,0:33:26.240

worry about solar ready or commissioning

0:33:24.640,0:33:30.000

because our TIO program

0:33:26.240,0:33:32.559

takes over for those. And you'll be using

0:33:30.000,0:33:35.440

these other forms

0:33:32.559,0:33:38.159

quite a bit as well for your envelope

0:33:35.440,0:33:40.320

indoor lighting

0:33:38.159,0:33:43.519

your performance and process and your

0:33:40.320,0:33:43.519

mechanical systems.

0:33:44.159,0:33:51.519

This is a connection at EnergyCodeAce.com

0:33:47.919,0:33:54.960

is their web address.

0:33:51.519,0:33:56.720

Again they provide ongoing training and

0:33:54.960,0:33:58.320

specific to healthcare facilities. We've

0:33:56.720,0:34:00.320

actually been meeting with them

0:33:58.320,0:34:02.080

to go through a healthcare specific

0:34:00.320,0:34:04.480

training program that they are currently

0:34:02.080,0:34:06.399

working on and that should be out

0:34:04.480,0:34:08.879
hopefully it's going to be out this

0:34:06.399,0:34:11.040
summer or late summer.

0:34:08.879,0:34:12.960
But this is their contact information.

0:34:11.040,0:34:14.720
Again they are a third party

0:34:12.960,0:34:18.800
company that is working with the Energy

0:34:14.720,0:34:18.800
Commission to provide the modeling and

0:34:18.839,0:34:21.839
training.

0:34:25.359,0:34:30.399
So this is just additional information

0:34:27.119,0:34:30.399
on the training that's available

0:34:32.159,0:34:35.679
and how does this apply to existing

0:34:34.000,0:34:39.359
buildings. So if you're

0:34:35.679,0:34:39.359
doing a remodel or

0:34:40.159,0:34:47.359
you are exempt from these requirements.

0:34:44.560,0:34:48.000
So the area in red would not be required

0:34:47.359,0:34:50.879
to be anything

0:34:48.000,0:34:52.800
but if the area in red was an addition

0:34:50.879,0:34:54.720
to the work

0:34:52.800,0:34:56.399
now this would apply because all this

0:34:54.720,0:34:58.640
equipment is new it's a new condition

0:34:56.399,0:35:00.560

space it's new volume.

0:34:58.640,0:35:02.400

Okay so your new lighting controls the

0:35:00.560,0:35:04.240

new HVAC equipment

0:35:02.400,0:35:05.599

and on the ventilation shaft all

0:35:04.240,0:35:06.160

that would have to meet the requirements

0:35:05.599,0:35:09.440

of Part

0:35:06.160,0:35:11.839

6. Okay again,

0:35:09.440,0:35:13.839

these only acquired new elements at the

0:35:11.839,0:35:17.839

time of construction and for additions

0:35:13.839,0:35:17.839

and new work only.

0:35:20.240,0:35:24.240

Okay as dave was mentioning before there

0:35:22.880,0:35:27.119

are opportunities

0:35:24.240,0:35:28.640

too for saving so you can revisit the

0:35:27.119,0:35:31.599

HVAV loads

0:35:28.640,0:35:32.480

based on new occupancies when you're

0:35:31.599,0:35:36.079

applying these

0:35:32.480,0:35:39.119

and you may have different air changes

0:35:36.079,0:35:41.280

or required ventilation rates that

0:35:39.119,0:35:44.000

you may experience some savings, you

0:35:41.280,0:35:46.079
might re-look at the existing filtration

0:35:44.000,0:35:47.440
requirements at the time again. What

0:35:46.079,0:35:48.880
we're doing is looking at if you are

0:35:47.440,0:35:50.800
doing a remodel even though it doesn't

0:35:48.880,0:35:52.640
apply, these are times to look at

0:35:50.800,0:35:53.839
the opportunities of what's in the

0:35:52.640,0:35:55.520
facility

0:35:53.839,0:35:56.800
and a lot of this could be applying.

0:35:55.520,0:35:58.000
Especially if you're removing a building

0:35:56.800,0:35:59.599
from acute care service

0:35:58.000,0:36:02.000
you don't have the same demands or

0:35:59.599,0:36:04.320
requirements to be met.

0:36:02.000,0:36:05.520
So continuing on considering

0:36:04.320,0:36:08.079
converting to variable

0:36:05.520,0:36:09.440
volume air and determined lighting

0:36:08.079,0:36:13.839
levels that would be required for

0:36:09.440,0:36:13.839
specific tasks.

0:36:16.240,0:36:19.359
Okay we're actually nearing completion

0:36:18.720,0:36:20.640
of this,

0:36:19.359,0:36:22.880

there's a few other things we want to

0:36:20.640,0:36:26.079
talk about is how to remove

0:36:22.880,0:36:27.359
acute care service from SPC 1 SPC 2

0:36:26.079,0:36:31.520
buildings, we're going to go over the

0:36:27.359,0:36:31.520
process again just a very high level.

0:36:36.640,0:36:45.200
Okay,

0:36:40.640,0:36:45.200
excuse me,

0:36:48.000,0:36:52.240
sorry my slides are jumping all over the

0:36:49.680,0:36:54.480
place here.

0:36:52.240,0:36:55.839
If you have a building that is

0:36:54.480,0:36:58.960
non-compliant or isn't

0:36:55.839,0:37:02.240
going to meet the requirements

0:36:58.960,0:37:02.800
after a certain date there only

0:37:02.240,0:37:04.480
be

0:37:02.800,0:37:06.320
certain type of projects that will be

0:37:04.480,0:37:08.560
allowed to be done in those facilities.

0:37:06.320,0:37:10.400
That's seismic compliance work

0:37:08.560,0:37:12.400
or the work involved to remove it from

0:37:10.400,0:37:14.480
acute care services.

0:37:12.400,0:37:17.760
You can do maintenance or emergency

0:37:14.480,0:37:21.440

repair work only, I believe

0:37:17.760,0:37:23.440

that's after 2026,

0:37:21.440,0:37:24.880

that'll be coming in effect but that

0:37:23.440,0:37:26.480

there are certain dates you need to pay

0:37:24.880,0:37:29.040

attention to that were actually

0:37:26.480,0:37:33.359

presented in the first session

0:37:29.040,0:37:35.200

where each facility has to report if

0:37:33.359,0:37:39.119

they intend to keep those buildings

0:37:35.200,0:37:40.480

in an acute care service or if they're

0:37:39.119,0:37:41.839

going to remove them.

0:37:40.480,0:37:44.240
So if they identify that they're going

0:37:41.839,0:37:46.320
to remove them

0:37:44.240,0:37:48.400
then additional work can be done and the

0:37:46.320,0:37:51.839
same requirements won't be required

0:37:48.400,0:37:55.200
for upgrading to NPC levels.

0:37:51.839,0:37:59.920
If they intend to keep the building

0:37:55.200,0:37:59.920
as an acute care project

0:38:00.160,0:38:04.079
certain work has to be done with future

0:38:03.520,0:38:06.079
projects

0:38:04.079,0:38:08.960

that have to be done to make sure those

0:38:06.079,0:38:11.520

requirements are met for NPC.

0:38:08.960,0:38:13.280

Now if nothing is done then you will be

0:38:11.520,0:38:14.960

blocked from additional work other than

0:38:13.280,0:38:19.839

what's shown here

0:38:14.960,0:38:20.960

if no report is submitted.

0:38:19.839,0:38:23.119

Okay some of the things you need to

0:38:20.960,0:38:24.320

consider when repurposing or removing a

0:38:23.119,0:38:26.240

project from acute

0:38:24.320,0:38:28.560

building from acute care service is

0:38:26.240,0:38:31.119
we're going to be looking at

0:38:28.560,0:38:33.119
ingress and egress from buildings to

0:38:31.119,0:38:36.400
make sure that they don't

0:38:33.119,0:38:39.599
cross from a hospital through

0:38:36.400,0:38:40.720
a non-compliant building. As Dave

0:38:39.599,0:38:42.320
mentioned before we're going to be

0:38:40.720,0:38:43.920
looking at the utility shutoffs and

0:38:42.320,0:38:46.800
disconnects

0:38:43.920,0:38:47.119
that would be required if the hospital

0:38:46.800,0:38:50.720

is

0:38:47.119,0:38:53.119
serving the non-acute or non-compliant

0:38:50.720,0:38:53.119
building.

0:38:53.520,0:38:58.000
Looking at the smoke compartments that

0:38:56.160,0:39:00.240
remain in the building to make sure

0:38:58.000,0:39:01.040
that they're functioning properly and

0:39:00.240,0:39:05.599
you can do

0:39:01.040,0:39:08.480
protect in place. The functional uses

0:39:05.599,0:39:09.119
can be applied to non-acute buildings,

0:39:08.480,0:39:11.680
such

0:39:09.119,0:39:12.240

as a skilled nursing facilities and the acute

0:39:11.680,0:39:16.240

psych

0:39:12.240,0:39:18.960

can go into those buildings even though

0:39:16.240,0:39:19.920

it's considered removed from acute care

0:39:18.960,0:39:21.520

acute psych

0:39:19.920,0:39:25.359

can be located in there because they do

0:39:21.520,0:39:28.240

not have the same SPC NPC requirements.

0:39:25.359,0:39:29.839

You need to look at your fire alarm

0:39:28.240,0:39:31.119

panels and zones.

0:39:29.839,0:39:32.960

Make sure they don't overlap the

0:39:31.119,0:39:33.280
buildings and that the control panels

0:39:32.960,0:39:36.880
are

0:39:33.280,0:39:38.079
located in on the hospital side of any

0:39:36.880,0:39:40.240
separation

0:39:38.079,0:39:41.200
that's provided same with the fire

0:39:40.240,0:39:44.880
sprinklers.

0:39:41.200,0:39:46.720
Your main risers need to remain on the

0:39:44.880,0:39:49.440
hospital side

0:39:46.720,0:39:52.320
of the fire separations and

0:39:49.440,0:39:56.079

seismic separations.

0:39:52.320,0:39:56.720
If you're removing the building and

0:39:56.079,0:39:58.640
considering

0:39:56.720,0:40:00.079
a free standing and moving it to a

0:39:58.640,0:40:01.760
local jurisdiction.

0:40:00.079,0:40:03.040
You're going to be looking at firewalls

0:40:01.760,0:40:03.920
if you're keeping under OSHPD

0:40:03.040,0:40:05.680
jurisdiction,

0:40:03.920,0:40:07.359
we're working with fire barriers which

0:40:05.680,0:40:10.960
are a lot easier

0:40:07.359,0:40:14.160
a lot less expensive to install.

0:40:10.960,0:40:15.839
So just things to consider as built/

0:40:14.160,0:40:18.800
condition assessment should be done of

0:40:15.839,0:40:21.839
all facilities that are going through

0:40:18.800,0:40:24.079
the process and you can have

0:40:21.839,0:40:26.720
pre-meetings with OSHPD to determine

0:40:24.079,0:40:29.200
to what extent you have to to separate

0:40:26.720,0:40:32.720
the buildings out.

0:40:29.200,0:40:35.599
Okay accessibility is big

0:40:32.720,0:40:37.040
if you're going to remove the building

0:40:35.599,0:40:39.440
from acute care service and

0:40:37.040,0:40:41.359
move it to a local jurisdiction we found

0:40:39.440,0:40:42.560
that most local jurisdictions want the

0:40:41.359,0:40:45.680
building to be 100%

0:40:42.560,0:40:48.800
accessible. Now in theory all

0:40:45.680,0:40:51.920
buildings should be 100% accessible. Now

0:40:48.800,0:40:53.359
we know that's not always the case

0:40:51.920,0:40:54.880
but it is something to consider if

0:40:53.359,0:40:56.640
you're moving to a local jurisdiction

0:40:54.880,0:40:59.119

where if it remains with OSHPD

0:40:56.640,0:41:00.800
construction areas would be what would

0:40:59.119,0:41:03.760
be required to be made

0:41:00.800,0:41:05.200
accessible or if new uses are provided

0:41:03.760,0:41:09.040
those uses have to have

0:41:05.200,0:41:09.040
equivalent accessibility.

0:41:10.560,0:41:13.839
Is the new use going to or occupancy

0:41:13.200,0:41:17.119
going to be

0:41:13.839,0:41:19.920
less restrictive? If it is there maybe

0:41:17.119,0:41:21.440
some allowances and some benefits

0:41:19.920,0:41:24.880
moving into that new building with a

0:41:21.440,0:41:27.119
lesser restrictive occupancy.

0:41:24.880,0:41:30.000
Again a lot of the stuff is covered in

0:41:27.119,0:41:32.560
more detail in session one.

0:41:30.000,0:41:34.000
I mentioned the local versus OSHPD

0:41:32.560,0:41:34.480
jurisdiction. So that's things that we

0:41:34.000,0:41:37.040
want to

0:41:34.480,0:41:39.040
consider, even free

0:41:37.040,0:41:40.720
standing buildings can remain under OSHPD

0:41:39.040,0:41:43.280
jurisdiction but they have to have

0:41:40.720,0:41:44.800
qualifying services within them

0:41:43.280,0:41:46.720
and those again are identified in

0:41:44.800,0:41:48.480
session one

0:41:46.720,0:41:50.480
or Part 10 of the Building Code if

0:41:48.480,0:41:54.000
you're interested in looking

0:41:50.480,0:41:57.359
that up. Licensing under

0:41:54.000,0:41:58.560
the hospital license this is critical

0:41:57.359,0:42:00.079
when you're looking at

0:41:58.560,0:42:01.440
the the jurisdiction that's going to

0:42:00.079,0:42:02.720

remain under if it's going to be under

0:42:01.440,0:42:03.599
OSHPD there's going to have to be a

0:42:02.720,0:42:06.079
licensed

0:42:03.599,0:42:09.599
facility or at least under the building

0:42:06.079,0:42:09.599
must be under a hospital license.

0:42:10.160,0:42:13.680
Looking at local zoning and requirements

0:42:12.480,0:42:15.440
and restrictions

0:42:13.680,0:42:17.200
if you're putting a new use in this

0:42:15.440,0:42:19.359
building you may have new requirements

0:42:17.200,0:42:20.880
for parking

0:42:19.359,0:42:22.400
additional requirements for parking

0:42:20.880,0:42:23.520
depending on the use going into there

0:42:22.400,0:42:25.680
that may have to be met.

0:42:23.520,0:42:27.119
And will the site accommodate those

0:42:25.680,0:42:28.720
additional requirements

0:42:27.119,0:42:30.160
as well as looking at the accessibility

0:42:28.720,0:42:32.079
that were required because of the change

0:42:30.160,0:42:34.079
in numbers

0:42:32.079,0:42:36.640
and then the time and cost involved in

0:42:34.079,0:42:39.040
either taking it out of service

0:42:36.640,0:42:41.280
demoing it or moving it to another

0:42:39.040,0:42:43.440
jurisdiction.

0:42:41.280,0:42:44.400
So there's a lot to consider. Actually

0:42:43.440,0:42:47.040
we've already got

0:42:44.400,0:42:47.839
quite a few questions on removing

0:42:47.040,0:42:51.040
these from

0:42:47.839,0:42:53.119
acute care service and we'll probably

0:42:51.040,0:42:59.839
answer those more in detail when we do

0:42:53.119,0:42:59.839
the questions and answers.

0:43:00.000,0:43:03.280

So what we're asking you to do, is trust

0:43:02.000,0:43:06.000
the process there's a

0:43:03.280,0:43:07.680
bunch of steps to get you to the point

0:43:06.000,0:43:10.079
of removing the

0:43:07.680,0:43:10.800
project, a building from acute care, and

0:43:10.079,0:43:12.560
getting it out,

0:43:10.800,0:43:14.160
either out of OSHPD jurisdiction or

0:43:12.560,0:43:16.960
identified as a, what we're calling

0:43:14.160,0:43:18.880
OSHPD 1R building. Do your homework

0:43:16.960,0:43:21.839
determine the repurpose

0:43:18.880,0:43:22.880

use and the

0:43:21.839,0:43:24.560

impacts.

0:43:22.880,0:43:26.000

Okay what are you going to put in there?

0:43:24.560,0:43:28.000

If you go from what

0:43:26.000,0:43:30.000

used to be a med surg unit and you go

0:43:28.000,0:43:32.000

into psychiatric care,

0:43:30.000,0:43:34.000

there may be additional security

0:43:32.000,0:43:37.520

requirements that have to be met, there may be

0:43:34.000,0:43:38.800

separate ingress requirements for

0:43:37.520,0:43:41.520

patients

0:43:38.800,0:43:43.599
dedicated elevators. There's a lot to

0:43:41.520,0:43:46.880
consider and we can help

0:43:43.599,0:43:54.079
go over those items with you.

0:43:46.880,0:43:58.079
If you do a pre-meeting with us on those,

0:43:54.079,0:44:00.000
There are several projects typically

0:43:58.079,0:44:02.640
associated with doing a remove from

0:44:00.000,0:44:05.119
acute care service project.

0:44:02.640,0:44:06.800
What we see is a lot of projects that

0:44:05.119,0:44:09.359
come to us

0:44:06.800,0:44:11.440

originally is just to relocate the

0:44:09.359,0:44:13.760

occupants the services themselves, you're

0:44:11.440,0:44:17.920

removing pharmacy, you're moving

0:44:13.760,0:44:20.480

a lab over whatever it might be.

0:44:17.920,0:44:22.319

There's a lot of projects transitioning

0:44:20.480,0:44:25.280

and getting ready for that

0:44:22.319,0:44:26.079

once that work is done. What we typically

0:44:25.280,0:44:27.839

would see is

0:44:26.079,0:44:29.839

again either a project or several

0:44:27.839,0:44:33.680

projects to start rerouting

0:44:29.839,0:44:36.880
or making safe

0:44:33.680,0:44:38.640
the utilities that are spanning from one

0:44:36.880,0:44:40.079
building to other, putting in expansion

0:44:38.640,0:44:43.280
joints, or flex joints, or

0:44:40.079,0:44:46.880
automatic shutoffs, or quick shut offs

0:44:43.280,0:44:49.440
on there. Once that is done

0:44:46.880,0:44:50.000
and everything is ready then a final

0:44:49.440,0:44:53.599
project

0:44:50.000,0:44:55.520
is submitted would be zero construction

0:44:53.599,0:44:57.040
and this can be done as a final project

0:44:55.520,0:44:58.800
as well and saying this is the final

0:44:57.040,0:44:59.280
project we're doing these last bits of

0:44:58.800,0:45:01.920
work

0:44:59.280,0:45:03.599
and also applying to be removed from

0:45:01.920,0:45:05.839
acute care.

0:45:03.599,0:45:06.880
But typically we see it come in as a

0:45:05.839,0:45:10.880
non-construction

0:45:06.880,0:45:13.200
project and it will actually go,

0:45:10.880,0:45:14.880
once it gets reviewed and accepted it

0:45:13.200,0:45:16.079

will be verified through our seismic

0:45:14.880,0:45:18.000
compliance unit that all

0:45:16.079,0:45:20.079
requirements met and then it can be

0:45:18.000,0:45:22.560
removed from acute care.

0:45:20.079,0:45:24.000
And at that point the locals are either

0:45:22.560,0:45:25.440
notified that that building is under

0:45:24.000,0:45:27.359
their jurisdiction

0:45:25.440,0:45:29.599
or the owner is notified that is no

0:45:27.359,0:45:31.040
longer acceptable for acute care

0:45:29.599,0:45:33.040
services. And there are requirements

0:45:31.040,0:45:34.640
signage things like that, that are also

0:45:33.040,0:45:37.520
required. And again, covered in session

0:45:34.640,0:45:39.440
one in more detail

0:45:37.520,0:45:40.720
and follow the Remodel CAN, the Remodel

0:45:39.440,0:45:43.760
CAN was just

0:45:40.720,0:45:45.359
posted. There's a lot of good

0:45:43.760,0:45:47.920
information there. Especially when it

0:45:45.359,0:45:48.720
comes to reusing functions what needs to

0:45:47.920,0:45:50.480
be upgraded,

0:45:48.720,0:45:52.640
what needs to be brought to current code,

0:45:50.480,0:45:54.960

and what does not.

0:45:52.640,0:45:58.480

Okay if you have questions schedule a

0:45:54.960,0:45:58.480

pre-designed meeting with OSHPD.

0:45:58.880,0:46:02.640

We would be happy to meet with you to

0:46:00.720,0:46:04.640

discuss your project because

0:46:02.640,0:46:06.319

we're finding that every one of these is

0:46:04.640,0:46:07.440

different. There's different requirements

0:46:06.319,0:46:10.319

based on

0:46:07.440,0:46:12.160

site locations how the utilities are run.

0:46:10.319,0:46:16.079

So it's impossible for us to

0:46:12.160,0:46:19.599
say this is the one size fits all

0:46:16.079,0:46:22.480
fix for this. So again go ahead and

0:46:19.599,0:46:24.480
contact your regions and get a meeting

0:46:22.480,0:46:26.480
scheduled and we do have

0:46:24.480,0:46:28.400
people that are, what they're calling a

0:46:26.480,0:46:30.319
repurposing task force

0:46:28.400,0:46:32.800
that will be helping would be basically

0:46:30.319,0:46:36.079
those on the this webinar today

0:46:32.800,0:46:39.520
would be assisting in this process.

0:46:36.079,0:46:42.640
Okay document the decisions

0:46:39.520,0:46:44.319
to become conditions of approval. Okay

0:46:42.640,0:46:46.880
again, what was discussed, what's going to

0:46:44.319,0:46:47.839
be required just document these so that

0:46:46.880,0:46:50.000
we,

0:46:47.839,0:46:51.119
you have a record when you come back in

0:46:50.000,0:46:51.440
and these are the things that need to be

0:46:51.119,0:46:53.520
met

0:46:51.440,0:46:56.480
and these have been done. And it could be

0:46:53.520,0:46:59.920
ongoing projects that you've been doing

0:46:56.480,0:47:02.240

in the past can be applied to meeting

0:46:59.920,0:47:04.400

these conditions.

0:47:02.240,0:47:07.119

Okay plan reviews to be conducting in the

0:47:04.400,0:47:08.560

appropriate region

0:47:07.119,0:47:10.319

in accordance with the conditions of

0:47:08.560,0:47:11.920

approval. Again we do,

0:47:10.319,0:47:14.160

we would be happy to meet with you

0:47:11.920,0:47:14.800

discuss options but the regions will

0:47:14.160,0:47:17.680

ultimately

0:47:14.800,0:47:19.359

doing the review and processing it prior

0:47:17.680,0:47:21.680
to it going to the seismic compliance

0:47:19.359,0:47:21.680
unit.

0:47:21.920,0:47:25.200
Again I mentioned the Remodel CAN we're

0:47:24.160,0:47:27.760
not going to go through this

0:47:25.200,0:47:29.520
in any detail but it has been updated.

0:47:27.760,0:47:30.400
There's a lot of good information here.

0:47:29.520,0:47:32.400
We've been

0:47:30.400,0:47:33.520
getting a lot of requests for

0:47:32.400,0:47:37.599
presentations

0:47:33.520,0:47:39.119
on this and it is being used quite

0:47:37.599,0:47:40.319
extensively right now. So I would

0:47:39.119,0:47:40.720
encourage you, if you haven't looked at

0:47:40.319,0:47:42.319
it yet

0:47:40.720,0:47:46.000
go ahead and download it from our

0:47:42.319,0:47:46.000
website and take a look.

0:47:46.720,0:47:52.079
It basically takes you to the process

0:47:49.760,0:47:53.839
of what you're trying to do, what you're

0:47:52.079,0:47:57.040
trying to achieve,

0:47:53.839,0:47:58.880
and how you get there. There's a bunch,

0:47:57.040,0:48:00.880

there's flow charts in it for each

0:47:58.880,0:48:04.000

discipline Electrical, Mechanical,

0:48:00.880,0:48:06.720

Fire, Architectural, that you can apply to

0:48:04.000,0:48:08.240

your project.

0:48:06.720,0:48:10.559

Again there's going to be another

0:48:08.240,0:48:11.599

webinar on this in the future. We did the

0:48:10.559,0:48:14.000

whole

0:48:11.599,0:48:15.760

one-day seminar in it with the HBSB

0:48:14.000,0:48:17.440

Hospital Building Safety Board last

0:48:15.760,0:48:21.200

November

0:48:17.440,0:48:23.440
on the Remodel, on Remodel specifically

0:48:21.200,0:48:24.319
but we will be doing a future webinar on

0:48:23.440,0:48:26.720
just the CAN

0:48:24.319,0:48:26.720
itself.

0:48:28.640,0:48:32.240
So final thoughts here, kind of talk to

0:48:30.800,0:48:33.680
you a little bit about what's coming up

0:48:32.240,0:48:36.880
what we're working on,

0:48:33.680,0:48:39.119
we're in the middle of the 2019

0:48:36.880,0:48:42.240
Intervening Code Cycle.

0:48:39.119,0:48:43.440

We're out for, currently here with public

0:48:42.240,0:48:45.440

comment.

0:48:43.440,0:48:47.280

If you are interested at all you can go

0:48:45.440,0:48:48.880

to the Building Standards Commission

0:48:47.280,0:48:52.319

website and download

0:48:48.880,0:48:55.680

what is being proposed for the

0:48:52.319,0:48:58.480

next cycle. A lot of it

0:48:55.680,0:49:00.000

is going to be clarification to the

0:48:58.480,0:49:03.200

OSHPD 1R that

0:49:00.000,0:49:04.000

came out in the 2019 cycle. There's a lot

0:49:03.200,0:49:06.880

of confusion

0:49:04.000,0:49:08.079

about when and where it was applied, the

0:49:06.880,0:49:10.400

OSHPD 1R

0:49:08.079,0:49:12.720

showed up in a lot of the banners

0:49:10.400,0:49:15.680

where it could possibly apply

0:49:12.720,0:49:16.480

but just to clarify we're making it real

0:49:15.680,0:49:20.480

clear

0:49:16.480,0:49:22.480

that whatever

0:49:20.480,0:49:24.160

use or occupancy that you're putting

0:49:22.480,0:49:27.440

into that building

0:49:24.160,0:49:28.800

is the code requirements that apply to

0:49:27.440,0:49:30.720

that space.

0:49:28.800,0:49:32.079

So you won't have requirements for a 1R

0:49:30.720,0:49:33.920

Building but you will have

0:49:32.079,0:49:36.960

requirements or a OSHPD

0:49:33.920,0:49:40.160

2, 3, 4, 5, whatever it might be

0:49:36.960,0:49:43.359

probably not gonna be a 4 in there.

0:49:40.160,0:49:44.559

But that's ongoing so, if you

0:49:43.359,0:49:46.559

haven't looked at that and you're

0:49:44.559,0:49:49.520

interested go ahead and download it. You

0:49:46.559,0:49:52.960

can ask any questions, make some comments,

0:49:49.520,0:49:52.960

be welcome to respond to them.

0:49:57.599,0:50:01.599

This is what we're currently working

0:49:58.800,0:50:05.040

on in the Intervening

0:50:01.599,0:50:06.319

Cycle, a special seismic certification

0:50:05.040,0:50:09.280

for routers

0:50:06.319,0:50:09.280

and equipment,

0:50:09.599,0:50:12.720

a special seismic certification for

0:50:11.520,0:50:14.319

fluoroscopy and

0:50:12.720,0:50:16.400

x-ray and that's not where we're going

0:50:14.319,0:50:19.200

to require seismic certification for

0:50:16.400,0:50:19.200

fluoroscopy.

0:50:20.079,0:50:24.400

But what it's, basically what we're going

0:50:21.760,0:50:26.640

to be allowing is for CT's to receive

0:50:24.400,0:50:29.359

that seismic certification

0:50:26.640,0:50:31.119

and meet the requirements for that. Again

0:50:29.359,0:50:32.160

I apologize my slides keep trying to

0:50:31.119,0:50:35.119

jump ahead on me

0:50:32.160,0:50:37.280

must be a timer on it. Pin 68 was also

0:50:35.119,0:50:39.359
released, this is clarification of

0:50:37.280,0:50:40.079
anchorage for equipment. You have your

0:50:39.359,0:50:43.520
mobile

0:50:40.079,0:50:45.599
fixed and movable equipment.

0:50:43.520,0:50:46.720
There's also going to be some additional

0:50:45.599,0:50:49.760
definitions

0:50:46.720,0:50:50.480
that are answered with that but if you

0:50:49.760,0:50:53.680
have not

0:50:50.480,0:50:54.880
looked at Pin 68 yet I would encourage

0:50:53.680,0:50:55.440

you to download it and take a look at

0:50:54.880,0:50:58.720

that

0:50:55.440,0:51:01.040

it really clarifies how this stuff,

0:50:58.720,0:51:02.160

what equipment needs to be anchored,

0:51:01.040,0:51:03.839

what can be detectable.

0:51:02.160,0:51:05.280

Especially when it comes to movable and

0:51:03.839,0:51:07.359

mobile

0:51:05.280,0:51:09.280

it defines the difference between those

0:51:07.359,0:51:11.040

two.

0:51:09.280,0:51:14.319

I think they want us to wrap up, they

0:51:11.040,0:51:17.040

keep changing the slides here.

0:51:14.319,0:51:23.680

Changes to materials for steel and

0:51:17.040,0:51:25.599

masonry are clarified.

0:51:23.680,0:51:27.839

I'm sorry I'm trying to read ahead here

0:51:25.599,0:51:31.280

at modifications to the SPC-4D

0:51:27.839,0:51:33.200

requirements, there's some benefits

0:51:31.280,0:51:35.680

for the pounding analysis

0:51:33.200,0:51:37.119

that may not be required under certain

0:51:35.680,0:51:38.720

conditions.

0:51:37.119,0:51:40.640

So that can save a lot of money in

0:51:38.720,0:51:42.880
analysis and analyzing

0:51:40.640,0:51:43.760
the buildings that are adjacent to each

0:51:42.880,0:51:45.599
other.

0:51:43.760,0:51:46.880
Again making refinements to the OSHPD

0:51:45.599,0:51:50.880
1R

0:51:46.880,0:51:56.319
requirements and coordinating

0:51:50.880,0:51:56.319
Section 1224 with new technologies.

0:51:56.880,0:52:01.200
I'm glad I'm off of that slide. Let's see

0:51:59.040,0:52:05.599
if this one stays still for a while.

0:52:01.200,0:52:07.200

Nope.

0:52:05.599,0:52:08.720

Okay the California Building Standards

0:52:07.200,0:52:10.640

Code alignments we're working with CDPH

0:52:08.720,0:52:12.160

trying to align with CMS. There's a

0:52:10.640,0:52:13.040

lot of questions on the fuel

0:52:12.160,0:52:15.440

requirements

0:52:13.040,0:52:16.800

for both hospitals and skilled nursing

0:52:15.440,0:52:18.720

facilities. A lot of rumors going out

0:52:16.800,0:52:22.079

there that they're going to be requiring

0:52:18.720,0:52:24.319

96 hours worth of fuel. Unfortunately,

0:52:22.079,0:52:27.520

there's probably some truth to that.

0:52:24.319,0:52:28.000

We are currently working with

0:52:27.520,0:52:30.800

them

0:52:28.000,0:52:32.240

to try to clarify what's going to be

0:52:30.800,0:52:35.280

required, when it's going to be

0:52:32.240,0:52:38.720

required, who it's going to affect.

0:52:35.280,0:52:40.640

Our Building Code states six hours for

0:52:38.720,0:52:44.160

skilled nursing facilities but they're

0:52:40.640,0:52:47.280

referring back to NFPA 110

0:52:44.160,0:52:48.559

the 2010 version does require 96 hours

0:52:47.280,0:52:53.760
worth of fuel

0:52:48.559,0:52:53.760
and this is ongoing discussion. So

0:52:54.880,0:53:00.640
we'll keep you informed on that and

0:52:57.040,0:53:03.839
what's happening with that.

0:53:00.640,0:53:05.119
And looking at the emergency. I'm going

0:53:03.839,0:53:06.960
to rip through these so we're not

0:53:05.119,0:53:08.800
fighting the slides here, emergency

0:53:06.960,0:53:10.400
department revisions just

0:53:08.800,0:53:15.119
know looking at requirements that

0:53:10.400,0:53:19.280
might be required for,

0:53:15.119,0:53:19.280
like reserved OR's for emergencies

0:53:19.760,0:53:25.920
enhancing trauma room standards.

0:53:22.800,0:53:26.880
Energy code requirements again, we went

0:53:25.920,0:53:28.160
through that today

0:53:26.880,0:53:30.160
if you have any questions that let us

0:53:28.160,0:53:32.160
know. And

0:53:30.160,0:53:34.640
emergency operations, we're getting a lot

0:53:32.160,0:53:35.520
of questions right now what code changes

0:53:34.640,0:53:39.680
are going to be coming

0:53:35.520,0:53:42.079

with because of this COVID 19 outbreak.

0:53:39.680,0:53:43.599

We're looking at clarifying requirements

0:53:42.079,0:53:46.960

for surge

0:53:43.599,0:53:46.960

tents and

0:53:48.800,0:53:52.240

infrastructure availability. One of the

0:53:50.720,0:53:54.720

things we're finding that is that the

0:53:52.240,0:53:54.720

oxygen

0:53:55.520,0:53:59.520

piping that is installed in hospitals

0:53:57.520,0:54:03.599

was not designed

0:53:59.520,0:54:05.280

for constant use

0:54:03.599,0:54:06.880
by everyone at the same time. So if they

0:54:05.280,0:54:09.359
have a lot of

0:54:06.880,0:54:11.119
respirators going continuously we're

0:54:09.359,0:54:12.079
seeing that there might be some

0:54:11.119,0:54:13.680
concerne there might be some

0:54:12.079,0:54:16.240
bottlenecking going on there. So we're

0:54:13.680,0:54:18.319
looking at that as well.

0:54:16.240,0:54:19.280
Major research stuff that we're looking

0:54:18.319,0:54:21.280
at working on

0:54:19.280,0:54:22.839

in the future is the chemical dependency

0:54:21.280,0:54:26.000

programs

0:54:22.839,0:54:30.960

revising the levels

0:54:26.000,0:54:33.760

of OSHPD 3 clinics.

0:54:30.960,0:54:35.040

There's actually current regulations out

0:54:33.760,0:54:39.839

there to

0:54:35.040,0:54:39.839

evaluate those requirements.

0:54:43.920,0:54:47.599

This thing is all over the place again I

0:54:50.839,0:54:53.839

apologize.

0:54:57.280,0:55:00.640

We're looking at protective

0:54:59.200,0:55:01.280
environment standards high medium and

0:55:00.640,0:55:03.520
low, this is

0:55:01.280,0:55:05.040
primarily for like interventional or

0:55:03.520,0:55:06.799
bone marrow transplants,

0:55:05.040,0:55:08.240
things like that, different levels of

0:55:06.799,0:55:09.920
protection. So we're not requiring

0:55:08.240,0:55:11.359
surgical environments where they don't

0:55:09.920,0:55:14.960
need to be,

0:55:11.359,0:55:17.119
That's ongoing with CDPH. A lot of these

0:55:14.960,0:55:19.119

initiatives are currently put on hold

0:55:17.119,0:55:21.599

due to the pandemic

0:55:19.119,0:55:22.480

but they will be addressed probably in

0:55:21.599,0:55:25.680

the

0:55:22.480,0:55:27.920

2022 Code.

0:55:25.680,0:55:29.280

And we are working with CDPH they

0:55:27.920,0:55:31.520

are currently

0:55:29.280,0:55:34.000

rewriting Title 22. So we're updating

0:55:31.520,0:55:37.680

that. Removing building standards from

0:55:34.000,0:55:40.559

title 22, making sure they're in title 24

0:55:37.680,0:55:41.520
and working with them actively on that.

0:55:40.559,0:55:45.359
Again a little bit

0:55:41.520,0:55:45.359
about delay due to the current

0:55:46.839,0:55:49.839
situations.

0:55:50.960,0:55:54.240
And this is where we're talking about

0:55:52.160,0:55:57.280
the imaging room, procedure room, versus

0:55:54.240,0:55:59.119
operating room, a lot of the diagnostic

0:55:57.280,0:55:59.520
services have been provided in the past

0:55:59.119,0:56:02.319
have

0:55:59.520,0:56:03.599
morphed into interventional services and

0:56:02.319,0:56:06.880
they require a

0:56:03.599,0:56:09.359
more a higher level of

0:56:06.880,0:56:10.079
sanitation so we're looking at those

0:56:09.359,0:56:11.920
requirements.

0:56:10.079,0:56:14.319
I know a lot of facilities are affected

0:56:11.920,0:56:15.760
by that when they're updating equipment.

0:56:14.319,0:56:17.680
So don't be surprised if you're being

0:56:15.760,0:56:19.839
asked for functional programs listing

0:56:17.680,0:56:21.280
procedures for your imaging equipment

0:56:19.839,0:56:26.160

replacements because those

0:56:21.280,0:56:26.160
are being asked for, and are being

0:56:28.839,0:56:31.440
required.

0:56:30.160,0:56:33.760
One of the things we're looking at

0:56:31.440,0:56:36.880
for 22 is going 100%

0:56:33.760,0:56:39.760
electronic, right now we do allow paper.

0:56:36.880,0:56:41.440
We're probably good 98% electronic

0:56:39.760,0:56:45.839
reviews right now

0:56:41.440,0:56:45.839
and

0:56:46.240,0:56:50.720
but we are going to the point

0:56:48.720,0:56:54.079
where we're going to be requiring

0:56:50.720,0:56:54.079
all electronic reviews.

0:56:56.480,0:57:02.799
So if you're interested

0:56:59.760,0:57:04.480
in what we're doing or want to be part

0:57:02.799,0:57:05.920
of what we're doing I would ask that you

0:57:04.480,0:57:07.839
get involved.

0:57:05.920,0:57:10.079
You're welcome to attend our Hospital

0:57:07.839,0:57:12.559
Building Safety Board

0:57:10.079,0:57:14.319
meeting, committee meetings, we have code

0:57:12.559,0:57:17.119
meetings. The current one is

0:57:14.319,0:57:19.119

scheduled I believe for June or is being

0:57:17.119,0:57:21.920

rescheduled for June. Where we discuss

0:57:19.119,0:57:22.559

future code issues that are coming up. We

0:57:21.920,0:57:25.440

review

0:57:22.559,0:57:27.359

anything that we change or even

0:57:25.440,0:57:29.280

proposing a change goes through

0:57:27.359,0:57:30.400

vetting of the Hospital Building Safety

0:57:29.280,0:57:32.880

Boards

0:57:30.400,0:57:35.119

code committee. So I would encourage you

0:57:32.880,0:57:39.119

to

0:57:35.119,0:57:42.559
to attend if you're interested and

0:57:39.119,0:57:42.559
get involved in the process.

0:57:42.880,0:57:45.920
So with that we're going to move on to

0:57:45.119,0:57:47.359
questions.

0:57:45.920,0:57:49.440
I don't know if this thing is going to

0:57:47.359,0:57:53.040
continue to jump around. Yes it is

0:57:49.440,0:57:54.480
so we'll go ahead in the q a

0:57:53.040,0:57:55.920
and we'll see if we can lock down one of

0:57:54.480,0:57:56.880
these screens otherwise the screen may

0:57:55.920,0:57:59.839

go black

0:57:56.880,0:58:01.839

So what I'm going to do

0:57:59.839,0:58:02.640

is I'm going to head back to the initial

0:58:01.839,0:58:06.400

slide

0:58:02.640,0:58:09.280

on this presentation, don't know

0:58:06.400,0:58:10.240

what's going on really but we'll get

0:58:09.280,0:58:12.079

through some of these.

0:58:10.240,0:58:13.599

Some of these questions. A lot of great

0:58:12.079,0:58:17.280

questions that came in

0:58:13.599,0:58:19.520

throughout the presentation. So again

0:58:17.280,0:58:20.400

we'll try to answer as many questions as

0:58:19.520,0:58:23.440

we can

0:58:20.400,0:58:25.280

if you find that we did not

0:58:23.440,0:58:28.839

answer your question feel free to email

0:58:25.280,0:58:30.960

us again at regsunit@

0:58:28.839,0:58:33.200

oshpd.ca.gov and

0:58:30.960,0:58:34.960

the second email, as a second option

0:58:33.200,0:58:39.839

would be fdd

0:58:34.960,0:58:43.200

webinar@oshpd.ca.gov.

0:58:39.839,0:58:46.480

So with that being said we have a

0:58:43.200,0:58:49.440
question regarding electrical

0:58:46.480,0:58:50.319
and this is like going to be for you

0:58:49.440,0:58:53.440
Bill.

0:58:50.319,0:58:55.920
First question we have is

0:58:53.440,0:58:56.640
on critical care beds for receptacles

0:58:55.920,0:58:59.440
required

0:58:56.640,0:58:59.760
is there a different number for an NICU

0:58:59.440,0:59:03.599
or

0:58:59.760,0:59:06.319
CV ICU?

0:59:03.599,0:59:06.319

Wow excuse me,

0:59:06.960,0:59:12.319

change in requirement for NICU beds

0:59:09.920,0:59:14.160

or any other critical care beds

0:59:12.319,0:59:15.599

it's 14 receptacles. Now when it says

0:59:14.160,0:59:18.000

receptacles

0:59:15.599,0:59:19.920

duplex receptacle does count as two

0:59:18.000,0:59:23.920

receptacles so

0:59:19.920,0:59:27.200

at least seven duplexes are

0:59:23.920,0:59:29.119

14 simplexes or any other combination

0:59:27.200,0:59:32.079

that is

0:59:29.119,0:59:34.240

that you come up with. All right thanks

0:59:32.079,0:59:36.319

Bill I got another question for you.

0:59:34.240,0:59:38.799

This question deals with the emergency

0:59:36.319,0:59:42.000

generators and the question reads

0:59:38.799,0:59:45.200

requirements for emergency generators 96

0:59:42.000,0:59:48.079

hours fuel storage instead of 72 hours

0:59:45.200,0:59:49.119

do you need a reserve tank for 72 hours

0:59:48.079,0:59:50.960

beyond

0:59:49.119,0:59:54.160

what is part of the generator set as

0:59:50.960,0:59:54.160

required by licensing?

0:59:54.319,0:59:57.760

Yes that's a good question and

0:59:55.680,1:00:01.520

Richard touched on that briefly about

0:59:57.760,1:00:02.640

96 hours. OSHPD's requirements were as

1:00:01.520,1:00:06.319

shown

1:00:02.640,1:00:12.000

24 for hospitals

1:00:06.319,1:00:14.960

72 for hospitals with NPC-5 ratings

1:00:12.000,1:00:16.400

and then six hours for skilled nursing

1:00:14.960,1:00:18.640

four hours for

1:00:16.400,1:00:19.680

ambulatory surgicals and those

1:00:18.640,1:00:24.319
requirements can

1:00:19.680,1:00:27.359
be found in Article 700.12b

1:00:24.319,1:00:27.839
and to continue on that, so what you

1:00:27.359,1:00:32.720
need is

1:00:27.839,1:00:36.720
actually 72 hours of fuel capacity

1:00:32.720,1:00:37.040
and your tank would be sized actually

1:00:36.720,1:00:40.640
for

1:00:37.040,1:00:45.119
96 hours of fuel because you'll hit the

1:00:40.640,1:00:48.559
low low fuel level at 72 hours

1:00:45.119,1:00:50.559
and you need 133%

1:00:48.559,1:00:52.160

more capacity and that gets you to 96

1:00:50.559,1:00:54.960

hour tank.

1:00:52.160,1:00:56.559

Now to talk about the CMS requirement

1:00:54.960,1:01:00.160

like Richard was talking about that

1:00:56.559,1:01:04.000

is because CMS enforces

1:01:00.160,1:01:05.200

NFPA 110 2010

1:01:04.000,1:01:07.280

and there is a requirement for

1:01:05.200,1:01:11.040

facilities with seismic zones

1:01:07.280,1:01:13.119

I believe it's c d e and f to have 96

1:01:11.040,1:01:16.240

hours of fuel

1:01:13.119,1:01:20.079
or capacity, I guess you would say.

1:01:16.240,1:01:22.799
Richard mentioned that

1:01:20.079,1:01:24.480
there's ongoing conversations, is that

1:01:22.799,1:01:26.880
required for hospitals and skilled

1:01:24.480,1:01:28.400
nursing facilities. What is CMS's true

1:01:26.880,1:01:31.359
requirement

1:01:28.400,1:01:33.359
and we'll have more on that later.

1:01:31.359,1:01:36.880
Perfect thanks Bill I got one more

1:01:33.359,1:01:38.799
question for you in terms of fuel cells.

1:01:36.880,1:01:41.040

The question is in terms of fuel cells

1:01:38.799,1:01:43.119

I'm unaware of any products

1:01:41.040,1:01:46.559

listed for emergency use

1:01:43.119,1:01:48.480

or OSHPD seismically certified, was this

1:01:46.559,1:01:50.640

included in the 2019

1:01:48.480,1:01:52.799

to encourage the use of fuel

1:01:50.640,1:01:56.160

cells or are there already

1:01:52.799,1:01:58.480

pre-approved products? Yes, that's

1:01:56.160,1:02:01.359

another great great question,

1:01:58.480,1:02:02.240

fuel cells was added to the model code

1:02:01.359,1:02:05.039

to encourage

1:02:02.240,1:02:07.119

the possible development of fuel cells

1:02:05.039,1:02:09.680

for emergency systems

1:02:07.119,1:02:11.920

and the question is correct that I'm

1:02:09.680,1:02:14.559

not aware of any product that's listed

1:02:11.920,1:02:15.839

for emergency use. So there's not one

1:02:14.559,1:02:17.520

that actually

1:02:15.839,1:02:19.359

is available that I'm aware of I have

1:02:17.520,1:02:21.200

talked to a couple of

1:02:19.359,1:02:23.200

fuel cell manufacturers and they don't

1:02:21.200,1:02:26.640
have a product yet

1:02:23.200,1:02:29.920
but the code change would maybe

1:02:26.640,1:02:31.599
develop this market.

1:02:29.920,1:02:34.400
Changes to this requirement are

1:02:31.599,1:02:36.319
continuing and getting refined in

1:02:34.400,1:02:41.200
NFPA 99

1:02:36.319,1:02:44.160
and then the next edition of NFPA,

1:02:41.200,1:02:44.799
well, National Electrical Code so fuel

1:02:44.160,1:02:48.720
cells

1:02:44.799,1:02:50.640
are in the code but like the

1:02:48.720,1:02:52.400
question said there's not a product

1:02:50.640,1:02:54.880
that's listed at the moment.

1:02:52.400,1:02:56.319
Yes if I can follow up on that Bill, yes

1:02:54.880,1:02:57.920

1:02:56.319,1:02:59.680
the reason they put it in there is to

1:02:57.920,1:03:00.640
encourage the development of such

1:02:59.680,1:03:02.240
systems

1:03:00.640,1:03:04.079
and that's why we identified the

1:03:02.240,1:03:06.079
requirements if you did apply it they

1:03:04.079,1:03:08.559
would still have to meet the same

1:03:06.079,1:03:10.400
requirements as a diesel generator, such

1:03:08.559,1:03:11.280
as the 10-second start-up time, things

1:03:10.400,1:03:13.280
like that.

1:03:11.280,1:03:15.280
So currently as Bill mentioned they do

1:03:13.280,1:03:16.799
not meet that requirement but where

1:03:15.280,1:03:18.960
if someone did come up with a system

1:03:16.799,1:03:21.520
that did, they would be able

1:03:18.960,1:03:21.520
to use it.

1:03:22.240,1:03:27.200

Thank you Richard. Perfect I have one

1:03:24.240,1:03:30.559

more question for you Bill

1:03:27.200,1:03:32.880

and this has to do with low voltage

1:03:30.559,1:03:33.599

data voice and data network connection.

1:03:32.880,1:03:36.480

So the question

1:03:33.599,1:03:38.720

reads does OSHPD Electrical Codes

1:03:36.480,1:03:39.760

govern the low voltage requirements such

1:03:38.720,1:03:42.160

as voice

1:03:39.760,1:03:43.359

and data network connections and sensors

1:03:42.160,1:03:46.400

and devices

1:03:43.359,1:03:48.960
which require PPOE? YES there's a lot of

1:03:46.400,1:03:50.559
excitement with a power over ethernet

1:03:48.960,1:03:52.640
and it's being used for a lot of

1:03:50.559,1:03:53.920
different applications it was originally

1:03:52.640,1:03:56.640
developed for

1:03:53.920,1:03:58.000
voice over i p phones and wireless

1:03:56.640,1:04:01.200
access point but now we're

1:03:58.000,1:04:04.720
finding nurse call systems with

1:04:01.200,1:04:06.960
power over ethernet and access control

1:04:04.720,1:04:08.000
power over ethernet and then even

1:04:06.960,1:04:11.520
lighting power

1:04:08.000,1:04:15.920
ethernet. So the requirements

1:04:11.520,1:04:20.160
are in the Electrical Code Article 725

1:04:15.920,1:04:22.000
and Article 800 or power ethernet and so

1:04:20.160,1:04:24.240
we'll be applying those

1:04:22.000,1:04:27.440
in addition though there is a

1:04:24.240,1:04:30.160
requirement for mechanical protection

1:04:27.440,1:04:30.559
and for mechanical protection systems

1:04:30.160,1:04:34.559
it's

1:04:30.559,1:04:36.960

517.31

1:04:34.559,1:04:37.680
and then you'd also look at 517.80. And

1:04:36.960,1:04:42.559
what it says

1:04:37.680,1:04:46.880
is you have an exception that

1:04:42.559,1:04:49.760
class 2 wiring class 3 wiring

1:04:46.880,1:04:50.000
does not need mechanical protection if

1:04:49.760,1:04:53.039
and

1:04:50.000,1:04:54.799
only if it's used for communications and

1:04:53.039,1:04:57.119
signaling systems.

1:04:54.799,1:04:58.400
Well power ethernet to lighting is not a

1:04:57.119,1:05:01.280
signaling system

1:04:58.400,1:05:02.480
or a communication system so that would

1:05:01.280,1:05:05.119
be required to be

1:05:02.480,1:05:06.400
mechanically protected i.e it would have

1:05:05.119,1:05:09.599
to be in conduit,

1:05:06.400,1:05:10.960
metal conduit most likely. So you need to

1:05:09.599,1:05:11.760
meet the mechanical protection

1:05:10.960,1:05:13.520
requirement

1:05:11.760,1:05:15.039
when you're doing power or ethernet if

1:05:13.520,1:05:18.079
it's not a signaling system

1:05:15.039,1:05:21.920
or a communication system and

1:05:18.079,1:05:24.640
be aware of that

1:05:21.920,1:05:25.680
issue. Perfect. Thank you Bill

1:05:24.640,1:05:26.400
for that, that's a lot of good

1:05:25.680,1:05:28.480
information

1:05:26.400,1:05:30.640
appreciate the code sections as well for

1:05:28.480,1:05:32.480
those attendees that can reference those

1:05:30.640,1:05:34.400
code sections as applicable.

1:05:32.480,1:05:36.480
So moving on to mechanical, Dave we have

1:05:34.400,1:05:39.520

some questions for you

1:05:36.480,1:05:40.640

dealing with mechanical exhausts. First

1:05:39.520,1:05:43.359

question we have for you

1:05:40.640,1:05:44.240

is for low level exhaust/return

1:05:43.359,1:05:46.240

grills,

1:05:44.240,1:05:47.839

is a dimension required by code to the

1:05:46.240,1:05:50.559

top, bottom,

1:05:47.839,1:05:51.520

or where is it? Yes I saw that question

1:05:50.559,1:05:53.920

from Mark. Mark

1:05:51.520,1:05:56.079

the answer there is, it's to the bottom

1:05:53.920,1:05:57.920

of the grill.

1:05:56.079,1:05:59.440

Perfect I got another question for you

1:05:57.920,1:06:01.920

regarding mechanical.

1:05:59.440,1:06:02.880

It reads for mechanical requirements is

1:06:01.920,1:06:07.200

a shelled

1:06:02.880,1:06:07.200

space considered an occupiable space?

1:06:07.280,1:06:10.880

You know historically what we do when we

1:06:08.720,1:06:14.000

look at those, they come in and we

1:06:10.880,1:06:17.440

find that they actually are used for

1:06:14.000,1:06:19.760

storage and other uses

1:06:17.440,1:06:20.720
in which case we've historically said

1:06:19.760,1:06:23.599
ventilate them

1:06:20.720,1:06:24.160
for storage or administration. But we're

1:06:23.599,1:06:27.280
always

1:06:24.160,1:06:28.870
open for discussion on them they can be

1:06:27.280,1:06:30.640
a source of infection and

1:06:28.870,1:06:31.599

1:06:30.640,1:06:33.200
and you have to think about what

1:06:31.599,1:06:34.400
they're doing I recently saw a project

1:06:33.200,1:06:36.559

where they had three

1:06:34.400,1:06:38.960
operating rooms going in the third one

1:06:36.559,1:06:41.920
they were going to keep is shelled space

1:06:38.960,1:06:43.599
and in that they were going to actually

1:06:41.920,1:06:45.520
put a positive pressure into it

1:06:43.599,1:06:47.280
because they were going to ventilate a

1:06:45.520,1:06:48.160
result was still a functioning operating

1:06:47.280,1:06:49.760
room in which case

1:06:48.160,1:06:51.280
you would take contaminants from that

1:06:49.760,1:06:53.280
room and force it into the adjacent

1:06:51.280,1:06:55.119
operating room or adjacent spaces like a

1:06:53.280,1:06:56.240
clean corridor. So

1:06:55.119,1:06:57.520
it varies you know we have

1:06:56.240,1:06:58.799
discussions on this all the time when

1:06:57.520,1:07:00.400
they come in and

1:06:58.799,1:07:03.119
we're definitely open to suggestions

1:07:00.400,1:07:05.039
when the designers submit them. So

1:07:03.119,1:07:07.119
hopefully that answers your question.

1:07:05.039,1:07:08.559
Perfect. Thanks Dave I have one more for

1:07:07.119,1:07:11.119
you regarding

1:07:08.559,1:07:11.680
the Mechanical Code it's dealing with

1:07:11.119,1:07:14.640
duct

1:07:11.680,1:07:15.119
testing. Question reads you stated that

1:07:14.640,1:07:17.520
duct

1:07:15.119,1:07:18.880
testing is required for shafts but the

1:07:17.520,1:07:20.319
Energy Code says it must be

1:07:18.880,1:07:23.280
unconditioned spaces

1:07:20.319,1:07:23.760
and also that there had

1:07:23.280,1:07:27.200
to be

1:07:23.760,1:07:30.480

25 percent I think of the ductwork is in

1:07:27.200,1:07:32.960
this location since most ductwork is in

1:07:30.480,1:07:34.799
a conditioned space, why would testing be

1:07:32.960,1:07:36.160
required?

1:07:34.799,1:07:39.039
That's interesting I'm not familiar with

1:07:36.160,1:07:42.400
that requirement and in fact

1:07:39.039,1:07:44.240
our duct testing is, I don't think we've

1:07:42.400,1:07:45.599
adopted that for health care in Part

1:07:44.240,1:07:47.440
6 at this point, maybe Richard will

1:07:45.599,1:07:48.799
remember that but

1:07:47.440,1:07:50.079
I don't think that it's in there

1:07:48.799,1:07:51.920
not actually looking at duct

1:07:50.079,1:07:54.079
testing for Part 6.

1:07:51.920,1:07:55.440
So I don't know where that

1:07:54.079,1:07:57.599
information came from

1:07:55.440,1:07:58.720
and I apologize for that but i

1:07:57.599,1:08:01.680
welcome

1:07:58.720,1:08:05.280
follow-up. Whoever asked that question

1:08:01.680,1:08:07.119
my phone number is 916-440-8445 so

1:08:05.280,1:08:09.200
give me a call on the phone and I'll

1:08:07.119,1:08:12.160

be glad to help out with that.

1:08:09.200,1:08:13.280

Perfect, thanks Dave. Moving on to the

1:08:12.160,1:08:16.719

Plumbing Code

1:08:13.280,1:08:19.759

OSHPD requires both Table 4A

1:08:16.719,1:08:21.199

and 62.1 tables on drawings, is that

1:08:19.759,1:08:24.880

correct?

1:08:21.199,1:08:26.319

Yes that's Mechanical Code but yes

1:08:24.880,1:08:27.440

this question I think came in

1:08:26.319,1:08:28.880

from Warren Chang and I really

1:08:27.440,1:08:29.679

appreciate this question. This is a big

1:08:28.880,1:08:32.480
topic

1:08:29.679,1:08:33.759
because I'm on the ASHRAE 170

1:08:32.480,1:08:36.480
Technical Committee. So

1:08:33.759,1:08:37.359
ASHRAE 170 has historically pointed

1:08:36.480,1:08:40.880
designers

1:08:37.359,1:08:43.359
to 62.1 for areas

1:08:40.880,1:08:44.159
both covered in ASHRAE 170s medical

1:08:43.359,1:08:45.839
areas

1:08:44.159,1:08:48.640
and those that are not they say you can

1:08:45.839,1:08:51.199

ventilate per 62.1 for any space.

1:08:48.640,1:08:52.400

But I imagine Warren and a lot of the

1:08:51.199,1:08:53.839

other mechanicals out there have looked

1:08:52.400,1:08:55.279

into this, you start doing the math, you

1:08:53.839,1:08:57.199

go down that rabbit hole

1:08:55.279,1:08:58.319

and what you find is when you go to 62.1

1:08:57.199,1:09:02.480

you have these factors, like

1:08:58.319,1:09:04.960

r sub a a sub p d for diversity

1:09:02.480,1:09:06.239

ventilation efficiency EV. And you

1:09:04.960,1:09:08.239

realize those factors are not

1:09:06.239,1:09:11.440
established for health care

1:09:08.239,1:09:13.120
so now what do you do? Well you end up

1:09:11.440,1:09:15.120
with something that's

1:09:13.120,1:09:16.640
very soft and willy-nilly and it's very

1:09:15.120,1:09:18.400
difficult to enforce and you can't

1:09:16.640,1:09:19.040
establish minimums for your outdoor air

1:09:18.400,1:09:20.159
intakes.

1:09:19.040,1:09:22.239
So what we're going to be looking for

1:09:20.159,1:09:23.839
here on these, is

1:09:22.239,1:09:25.839

yes in the design documents for areas

1:09:23.839,1:09:27.759

that you're ventilating per 62.1.

1:09:25.839,1:09:29.600

We do want a ventilation table so I'm

1:09:27.759,1:09:33.359

glad Warren asked this

1:09:29.600,1:09:34.880

now. So you know I'm interested in doing

1:09:33.359,1:09:35.920

a webinar just on this subject because I

1:09:34.880,1:09:38.000

think it's worthy of it.

1:09:35.920,1:09:39.520

It's a lot of information and even when

1:09:38.000,1:09:43.359

I was at the ASHRAE 170

1:09:39.520,1:09:45.199

Tech Committee meeting in Orlando

1:09:43.359,1:09:46.480
a colleague of mine here from Sacramento

1:09:45.199,1:09:48.480
actually presented on this and

1:09:46.480,1:09:50.080
then information kind of goes out

1:09:48.480,1:09:51.520
there, and just fades away

1:09:50.080,1:09:53.120
and I want to give the

1:09:51.520,1:09:54.000
designer something I can really use and

1:09:53.120,1:09:56.080
follow.

1:09:54.000,1:09:57.360
So I'm open to doing a webinar on

1:09:56.080,1:10:00.640
this in the future. I've also

1:09:57.360,1:10:04.000
written text for a CAN

1:10:00.640,1:10:06.239
for this code application notice

1:10:04.000,1:10:07.840
and if this keeps moving forward I

1:10:06.239,1:10:08.719
will be taking the mathematics in that

1:10:07.840,1:10:11.840
CAN and

1:10:08.719,1:10:15.920
integrating into this 2022

1:10:11.840,1:10:16.880
CMC. Okay so we will be looking for

1:10:15.920,1:10:19.120
tables

1:10:16.880,1:10:20.640
the thing is with 62.1 and

1:10:19.120,1:10:21.840
anything you ventilate with it

1:10:20.640,1:10:23.679

we're going to be different than most

1:10:21.840,1:10:25.199
AHJ's. Most AHJ's don't

1:10:23.679,1:10:26.800
really even look at that and probably

1:10:25.199,1:10:29.440
don't have the understanding

1:10:26.800,1:10:30.320
between behind these other

1:10:29.440,1:10:32.880
factors, like

1:10:30.320,1:10:34.320
a sub p and d and I don't

1:10:32.880,1:10:36.480
think a lot of them even verify these

1:10:34.320,1:10:37.760
ventilation rates. But us being in

1:10:36.480,1:10:39.360
healthcare we have to

1:10:37.760,1:10:41.679
and we have to make the patients the

1:10:39.360,1:10:43.040
priority. So I've got the math put

1:10:41.679,1:10:46.239
together on how to do that

1:10:43.040,1:10:47.920
and if Richard will allow me you guys

1:10:46.239,1:10:51.520
can reach out to me and I'll share

1:10:47.920,1:10:53.520
my CAN text. My draft CAN text

1:10:51.520,1:10:54.719
with you and I'll pester Richard

1:10:53.520,1:10:56.080
about this, I'll put him on spot right

1:10:54.719,1:10:57.280
now Richard.

1:10:56.080,1:10:58.480
But I'd like to share this because I

1:10:57.280,1:10:59.280
think this is a direction we're going to

1:10:58.480,1:11:01.280
have to go

1:10:59.280,1:11:03.120
with real clarification almost like a

1:11:01.280,1:11:05.199
user's manual for designers on how to

1:11:03.120,1:11:08.480
ventilate these facilities.

1:11:05.199,1:11:11.040
So yes we will be looking for

1:11:08.480,1:11:13.520
stuff we can verify for both styles of

1:11:11.040,1:11:15.760
ventilation in the design documents.

1:11:13.520,1:11:17.280
Thanks perfect thanks Dave. So don't go

1:11:15.760,1:11:18.400

away just yet I've got another question

1:11:17.280,1:11:20.800

for you.

1:11:18.400,1:11:21.679

Question reads why are isolation

1:11:20.800,1:11:24.239

valves between

1:11:21.679,1:11:26.000

OSHPD and non-OSHPD buildings allowed

1:11:24.239,1:11:27.920

to have manual valves,

1:11:26.000,1:11:30.640

by the time anyone gets there all the

1:11:27.920,1:11:32.080

water will have drained out of the pipes?

1:11:30.640,1:11:33.360

Yeah we've had those discussions here

1:11:32.080,1:11:34.880

you know and I'll be honest with you

1:11:33.360,1:11:36.640

from a mechanical engineering standpoint

1:11:34.880,1:11:39.600

I'm really open

1:11:36.640,1:11:41.040

either way on these on these things I

1:11:39.600,1:11:43.440

agree. There probably

1:11:41.040,1:11:45.360

is a time and place for automatic valves

1:11:43.440,1:11:46.960

and so I'm definitely open for that.

1:11:45.360,1:11:49.920

The one exception I would certainly take

1:11:46.960,1:11:52.400

to that would be anytime you have a

1:11:49.920,1:11:53.280

med gas type system if you look at NFPA

1:11:52.400,1:11:55.360

99

1:11:53.280,1:11:56.320
there is zero mention of automatic valve

1:11:55.360,1:11:57.920
for class one

1:11:56.320,1:11:59.840
med gas. The reason for that is, if one

1:11:57.920,1:12:02.320
malfunctions people die

1:11:59.840,1:12:03.920
so other than that I'm definitely

1:12:02.320,1:12:05.920
open to automatic valves.

1:12:03.920,1:12:07.040
We have a lot of good smart designers

1:12:05.920,1:12:08.719
out there that I think can certainly

1:12:07.040,1:12:10.960
integrate these things in fine.

1:12:08.719,1:12:12.159

We'll be open to

1:12:10.960,1:12:14.960

suggestions on that.

1:12:12.159,1:12:15.760

Okay perfect I got another one for you

1:12:14.960,1:12:18.400

Dave,

1:12:15.760,1:12:19.920

question reads does the code require

1:12:18.400,1:12:21.760

AC 156

1:12:19.920,1:12:24.159

seismic certification for plumbing and

1:12:21.760,1:12:27.280

HVAC piping systems?

1:12:24.159,1:12:28.800

You know it's actually not to dodge that

1:12:27.280,1:12:30.480

one but that's something that we have

1:12:28.800,1:12:33.520
reviewed by our

1:12:30.480,1:12:36.480
structural engineers here for seismic.

1:12:33.520,1:12:38.239
Any seismic requirements in model

1:12:36.480,1:12:42.640
code will apply

1:12:38.239,1:12:43.760
and also ASCE 17 modifications that

1:12:42.640,1:12:45.440
are in the Building Code

1:12:43.760,1:12:47.679
that are addressed by our seismic

1:12:45.440,1:12:49.199
engineers those will apply also and

1:12:47.679,1:12:52.000
there's a list in there

1:12:49.199,1:12:53.360
I want to say it's section 1705 of the

1:12:52.000,1:12:54.239

Building Code I'm just going off memory

1:12:53.360,1:12:56.239

here.

1:12:54.239,1:12:58.000

But I have notes at my desk anybody can

1:12:56.239,1:13:00.239

reach out to me and I'll send you

1:12:58.000,1:13:01.040

a scan of those sheets out of the

1:13:00.239,1:13:03.120

Building Code

1:13:01.040,1:13:04.640

to give you a list of what's required

1:13:03.120,1:13:06.880

for seismic with mechanical

1:13:04.640,1:13:08.800

and plumbing systems and what's not. And

1:13:06.880,1:13:09.920

then you add that to whatever's in the

1:13:08.800,1:13:13.199
model code

1:13:09.920,1:13:14.560
and those apply. Now for me

1:13:13.199,1:13:16.239
in the mechanical and plumbing codes I

1:13:14.560,1:13:19.120
don't have any amendments

1:13:16.239,1:13:20.320
in Parts 4 or 5 that I've added

1:13:19.120,1:13:22.560
for seismic.

1:13:20.320,1:13:23.600
Okay but i'll definitely help

1:13:22.560,1:13:25.120
point you in the right direction if you

1:13:23.600,1:13:27.600
reach out to me.

1:13:25.120,1:13:28.159
Perfect, and this is more of a

1:13:27.600,1:13:30.480
design

1:13:28.159,1:13:31.520
question so you may have an answer

1:13:30.480,1:13:34.000
for it or not but

1:13:31.520,1:13:36.560
we'll ask anyway. Sure. So when a med

1:13:34.000,1:13:38.800
room and a nurse station are combined

1:13:36.560,1:13:40.320
do we need to provide one hand washing

1:13:38.800,1:13:42.960
station to each area

1:13:40.320,1:13:44.719
or one for both is sufficient provided

1:13:42.960,1:13:47.040
that they have access to the sink?

1:13:44.719,1:13:48.480

Okay yeah this is a great question, you

1:13:47.040,1:13:49.840

know me sitting here as a dumb

1:13:48.480,1:13:50.880

mechanical engineer if I see that on a

1:13:49.840,1:13:52.239

set of plans

1:13:50.880,1:13:53.760

it would be clear to me that it would

1:13:52.239,1:13:54.960

make sense to have one handwash fixture

1:13:53.760,1:13:57.040

for that space.

1:13:54.960,1:13:58.480

Okay but the other question I have is I

1:13:57.040,1:14:00.159

would go to the architect that is

1:13:58.480,1:14:01.679

reviewing it here

1:14:00.159,1:14:03.600

and I say can they combine those two

1:14:01.679,1:14:05.679

spaces together, I don't know,

1:14:03.600,1:14:07.280

you know and often in questions like

1:14:05.679,1:14:08.800

this the architect will look at and say

1:14:07.280,1:14:10.239

no these need to be two separate spaces

1:14:08.800,1:14:11.360

they can't combine them.

1:14:10.239,1:14:13.679

So hopefully that you

1:14:11.360,1:14:15.360

understand that's my answer

1:14:13.679,1:14:17.760

and just make sure that you're meeting

1:14:15.360,1:14:19.199
the Building Code on the spaces and

1:14:17.760,1:14:21.679
and how whether or not they can be

1:14:19.199,1:14:23.600
combined. Okay I can add to that Dave.

1:14:21.679,1:14:24.960
Okay what you're going to look at, is if

1:14:23.600,1:14:28.000
a room is required

1:14:24.960,1:14:30.880
you're doing a med room

1:14:28.000,1:14:31.600
it requires a four walls and a door,

1:14:30.880,1:14:34.960
at least

1:14:31.600,1:14:36.880
walls and a door and if a sink is

1:14:34.960,1:14:38.640
required in that room

1:14:36.880,1:14:41.040

you cannot put it on the other side of

1:14:38.640,1:14:42.239

the door. An example would be a nourishment

1:14:41.040,1:14:43.840

area,

1:14:42.239,1:14:45.280

a nourishment area does not, is not

1:14:43.840,1:14:47.440

required to have a door.

1:14:45.280,1:14:49.679

So the hand washing fixture for a

1:14:47.440,1:14:52.800

nourishment area can be shared

1:14:49.679,1:14:54.800

if it's within like

1:14:52.800,1:14:56.400

adjacent to a nurse station or something

1:14:54.800,1:14:59.040

like that. Typically

1:14:56.400,1:14:59.600

med rooms have to be secured and they

1:14:59.040,1:15:01.280

would

1:14:59.600,1:15:04.719

be required to have their own hand

1:15:01.280,1:15:04.719

washing fixture within the room.

1:15:06.320,1:15:10.320

That's perfect thanks. Thanks

1:15:08.159,1:15:12.080

Dave and Richard for that.

1:15:10.320,1:15:13.760

We have, that was the last of our

1:15:12.080,1:15:14.080

plumbing questions. We have roughly

1:15:13.760,1:15:16.560

just

1:15:14.080,1:15:18.320
under 15 minutes to to go over the last

1:15:16.560,1:15:20.000
remaining questions. You have one

1:15:18.320,1:15:23.120
from Wenlin Lee right, on

1:15:20.000,1:15:24.640
goosenecks?

1:15:23.120,1:15:26.320
Do you have it in front of you dave? If

1:15:24.640,1:15:27.199
you don't. Yeah I was looking at it

1:15:26.320,1:15:31.040
earlier.

1:15:27.199,1:15:31.040
Go ahead let me look real quick,

1:15:31.520,1:15:34.800
yeah here we go I think I have

1:15:33.040,1:15:36.560
it, yeah.

1:15:34.800,1:15:38.400

Can you clarify the OSHPD code

1:15:36.560,1:15:39.520

interpretation for the gooseneck faucet?

1:15:38.400,1:15:41.760

I love getting this question because

1:15:39.520,1:15:44.560

this just keeps coming up.

1:15:41.760,1:15:46.080

Can we clarify the OSHPD's code

1:15:44.560,1:15:47.679

interpretation for the gooseneck faucet

1:15:46.080,1:15:48.080

requirement and why previously approved

1:15:47.679,1:15:50.960

flat

1:15:48.080,1:15:52.080

gooseneck is not approved that's a great

1:15:50.960,1:15:55.520

question. I really appreciate

1:15:52.080,1:15:57.760
it, very quickly

1:15:55.520,1:15:58.880
these are infection control instruments

1:15:57.760,1:15:59.920
right, they're not really I don't see

1:15:58.880,1:16:03.280
them as sinks.

1:15:59.920,1:16:04.320
They are infection control

1:16:03.280,1:16:05.679
instruments and they allow

1:16:04.320,1:16:08.239
obviously the staff to clean their hands

1:16:05.679,1:16:11.440
very well and and there's

1:16:08.239,1:16:13.040
if you look at CPC Section 210, it's the

1:16:11.440,1:16:14.640
definition of how much fixtures. Now for

1:16:13.040,1:16:15.440
some reason we keep having to massage

1:16:14.640,1:16:18.320
this

1:16:15.440,1:16:19.440
description, this is definition for

1:16:18.320,1:16:20.080
how much fixtures. And there's a few

1:16:19.440,1:16:23.120
things involved

1:16:20.080,1:16:24.880
you have non-hand touch

1:16:23.120,1:16:26.400
to control these, you can have wrist

1:16:24.880,1:16:27.199
paddles or sensors but you can't have a

1:16:26.400,1:16:29.520
knob with,

1:16:27.199,1:16:30.800
you touch with your hands. You have

1:16:29.520,1:16:32.640
various other things that

1:16:30.800,1:16:34.719
enhance the infection control aspects of

1:16:32.640,1:16:37.920
this. One of them is the gooseneck

1:16:34.719,1:16:39.199
now if my snarky reply would

1:16:37.920,1:16:40.800
up to this would always be hey just

1:16:39.199,1:16:42.480
google it, you know if you go to

1:16:40.800,1:16:43.520
google and type in gooseneck faucet and

1:16:42.480,1:16:45.520
then hit images

1:16:43.520,1:16:48.239

what do you see? You see something that's

1:16:45.520,1:16:50.880
got a smooth 180 degree

1:16:48.239,1:16:52.719
turn around maybe 175 degree turn around

1:16:50.880,1:16:54.400
return on it and it does

1:16:52.719,1:16:56.239
terminate above the top of the

1:16:54.400,1:16:57.600
fixture and it has room to get your

1:16:56.239,1:17:00.960
hands and elbows underneath it

1:16:57.600,1:17:02.480
often, that's a gooseneck. Now why do

1:17:00.960,1:17:03.600
we have a gooseneck?

1:17:02.480,1:17:04.880
A lot not a lot of people don't know

1:17:03.600,1:17:06.320
this but the old theory behind it is

1:17:04.880,1:17:07.280
that if you have that gradual

1:17:06.320,1:17:09.440
turnaround

1:17:07.280,1:17:11.040
in that gooseneck you get a coriolis

1:17:09.440,1:17:11.600
effect and that the flow comes through

1:17:11.040,1:17:13.840
spinning,

1:17:11.600,1:17:15.840
it comes out spinning. So when the valve

1:17:13.840,1:17:18.080
closes at the base of the gooseneck

1:17:15.840,1:17:19.120
that fixture drains very well. If you

1:17:18.080,1:17:21.360
don't have that you have

1:17:19.120,1:17:22.560
you have more abrupt transitions in the

1:17:21.360,1:17:24.239
direction of flow

1:17:22.560,1:17:25.840
you disrupt that and it doesn't drain

1:17:24.239,1:17:26.960
very well. This is a theory

1:17:25.840,1:17:28.719
behind it

1:17:26.960,1:17:30.880
but there's very little information out

1:17:28.719,1:17:32.719
there on this, okay and

1:17:30.880,1:17:34.080
this is a theory that i've just kind

1:17:32.719,1:17:36.800
of inherited and

1:17:34.080,1:17:38.560

I've kept going so far anybody

1:17:36.800,1:17:41.280
out there that says no this isn't true

1:17:38.560,1:17:42.239
and it has information for me I

1:17:41.280,1:17:44.560
welcome it

1:17:42.239,1:17:46.159
because I'm open to suggestions on it

1:17:44.560,1:17:48.719
and we are approving

1:17:46.159,1:17:49.920
the definition. Up until now has been, has

1:17:48.719,1:17:52.159
had some

1:17:49.920,1:17:54.239
some wiggle room in it in order to make

1:17:52.159,1:17:55.760
sure we get gooseneck faucets. We are

1:17:54.239,1:17:57.280
currently

1:17:55.760,1:17:59.440
redefining this definition in the

1:17:57.280,1:18:01.679
current express term so go look at those

1:17:59.440,1:18:04.640
and and give me your comments officially

1:18:01.679,1:18:05.600
if you'd like because we're going

1:18:04.640,1:18:06.880
to be enhancing the

1:18:05.600,1:18:09.040
the definition for how much fixture a

1:18:06.880,1:18:12.960
little more just to clarify this

1:18:09.040,1:18:14.800
but thanks for the question

1:18:12.960,1:18:16.159
and give me a holler if you want

1:18:14.800,1:18:19.280

to discuss it more.

1:18:16.159,1:18:20.640

Thank you, perfect, thanks Dave

1:18:19.280,1:18:22.080

for that and thank you

1:18:20.640,1:18:23.679

everyone for submitting these questions

1:18:22.080,1:18:25.520

these are great questions

1:18:23.679,1:18:27.360

and again we're going to try to

1:18:25.520,1:18:27.840

answer as many as we can we still have a

1:18:27.360,1:18:29.520

list

1:18:27.840,1:18:31.280

of items to go through our questions to

1:18:29.520,1:18:33.840

go through and we have

1:18:31.280,1:18:35.360

roughly about 10 minutes left so with

1:18:33.840,1:18:36.080

that being said we're going to move on

1:18:35.360,1:18:39.120

to

1:18:36.080,1:18:42.480

Richard and Energy Code.

1:18:39.120,1:18:45.360

So the question is for you is

1:18:42.480,1:18:47.199

if I add a new chiller in a remodel

1:18:45.360,1:18:49.520

wouldn't the chiller

1:18:47.199,1:18:51.040

efficiency itself need to meet Title 24

1:18:49.520,1:18:52.960

Energy Code or

1:18:51.040,1:18:54.880
would it still be exempt since it's a

1:18:52.960,1:18:56.480
remodel?

1:18:54.880,1:18:57.760
When you purchase it you're going to

1:18:56.480,1:18:59.679
meet the requirements State of

1:18:57.760,1:19:01.440
California, that's always required for

1:18:59.679,1:19:04.640
new equipment.

1:19:01.440,1:19:05.760
Now the remodel itself is not, does not

1:19:04.640,1:19:08.800
have the requirement

1:19:05.760,1:19:12.400
for the basis of design

1:19:08.800,1:19:15.920
and so I think there's a question

1:19:12.400,1:19:15.920
on the basis of design as well.

1:19:16.159,1:19:20.000
So the requirements are made a little

1:19:18.560,1:19:21.760
different, the equipment's going to be

1:19:20.000,1:19:24.640
the same, yes, you need to make

1:19:21.760,1:19:25.920
install a listed or certified system

1:19:24.640,1:19:27.120
that meets the requirements for the

1:19:25.920,1:19:28.239
State of California that's why I was

1:19:27.120,1:19:29.920
mentioning if you replace an air

1:19:28.239,1:19:31.679
handling unit or a water heater or

1:19:29.920,1:19:33.920

something it's still going to meet

1:19:31.679,1:19:35.120
the requirements. So the impact to a

1:19:33.920,1:19:37.520
project

1:19:35.120,1:19:38.719
shouldn't be additional cost to meet

1:19:37.520,1:19:40.560
this requirement.

1:19:38.719,1:19:43.760
There might be some extra hoops you have

1:19:40.560,1:19:45.199
to jump through to show the compliance

1:19:43.760,1:19:47.679
and that's where the basis of design

1:19:45.199,1:19:49.440
comes in and to be honest a lot of it

1:19:47.679,1:19:51.199
if you have specific questions on the

1:19:49.440,1:19:52.719

Energy Code we would suggest that you

1:19:51.199,1:19:54.880

contact the Energy Commission. I believe

1:19:52.719,1:19:57.440

they have a hotline

1:19:54.880,1:19:59.199

because all we're doing is processing

1:19:57.440,1:20:01.040

the paperwork on this end, we're not

1:19:59.199,1:20:05.840

evaluating

1:20:01.040,1:20:05.840

the feasibility of the of the product.

1:20:06.719,1:20:09.920

Perfect, thank you. Thank you Richard. I

1:20:08.239,1:20:13.120

have

1:20:09.920,1:20:15.440

a question on basis of design.

1:20:13.120,1:20:19.840

Can you please expand on the definition

1:20:15.440,1:20:19.840

of a basis of design requirement?

1:20:20.000,1:20:24.560

Again all we're requiring is the

1:20:22.639,1:20:27.280

certification of

1:20:24.560,1:20:29.679

compliance the NRCC be submitted with

1:20:27.280,1:20:31.679

the plans

1:20:29.679,1:20:33.280

so if there are additional requirements

1:20:31.679,1:20:35.360

that are by the Energy Code

1:20:33.280,1:20:36.639

I would suggest you contact

1:20:35.360,1:20:40.320

the Energy Commissions

1:20:36.639,1:20:43.520
hotline. Again we're accepting the

1:20:40.320,1:20:45.280
NRCC's and we, after installation we

1:20:43.520,1:20:48.639
require the NRCC's the

1:20:45.280,1:20:50.320
certificate of installation to show that

1:20:48.639,1:20:53.360
they complied with the work

1:20:50.320,1:20:55.360
and we're not inspecting either of those.

1:20:53.360,1:20:56.400
Perfect I got a question on the

1:20:55.360,1:20:58.800
replacement of an

1:20:56.400,1:21:00.000
air handler, so the question reads would

1:20:58.800,1:21:02.239
a replacement of

1:21:00.000,1:21:04.159
an air handler with greater capacity be

1:21:02.239,1:21:05.679
required to comply with the CEC

1:21:04.159,1:21:08.719
regulations

1:21:05.679,1:21:10.480
or would it be exempt?

1:21:08.719,1:21:12.239
Again similar to the first question we

1:21:10.480,1:21:13.840
got on that the equipment itself when

1:21:12.239,1:21:14.800
you purchase it, it's going to have to be

1:21:13.840,1:21:16.320
listed.

1:21:14.800,1:21:18.560
Now if you're talking about is this

1:21:16.320,1:21:20.639
considered a remodel or versus an

1:21:18.560,1:21:22.480
equipment replacement

1:21:20.639,1:21:23.840
again, it depends what the information

1:21:22.480,1:21:26.080
provided that's not

1:21:23.840,1:21:28.239
clear you have more capacity how much

1:21:26.080,1:21:29.520
more capacity doubling it in size,

1:21:28.239,1:21:31.120
you're going to have to probably have a

1:21:29.520,1:21:32.719
new project. It's not considered an

1:21:31.120,1:21:34.639
equipment replacement

1:21:32.719,1:21:38.000

when we're doing equipment replacements

1:21:34.639,1:21:40.880
you are allowed to replace equipment

1:21:38.000,1:21:43.520
and it is a project but it should be

1:21:40.880,1:21:45.120
equal to or similar in size

1:21:43.520,1:21:46.639
and we're looking at weights, we're

1:21:45.120,1:21:47.520
looking at anchorage, there's a lot of

1:21:46.639,1:21:51.199
other factors

1:21:47.520,1:21:51.520
involved with that and some not so much. I

1:21:51.199,1:21:53.520
think

1:21:51.520,1:21:55.199
energy compliance here would be the

1:21:53.520,1:21:56.000
least of your concerns because the

1:21:55.199,1:21:57.440
product itself

1:21:56.000,1:22:01.199
is probably going to be already listed

1:21:57.440,1:22:01.199
for sale in California.

1:22:02.239,1:22:10.239
Next question reads if I repurpose

1:22:06.159,1:22:12.239
an SPC 1 or 2 hospital building

1:22:10.239,1:22:15.520
will it then have to meet current Title

1:22:12.239,1:22:18.719
24 Energy Code?

1:22:15.520,1:22:20.719
That's a good question, there's

1:22:18.719,1:22:21.840
ongoing discussion on that as of now I

1:22:20.719,1:22:23.280
would say

1:22:21.840,1:22:25.440
if again you would have to meet the

1:22:23.280,1:22:27.520
remodel requirements or the alteration

1:22:25.440,1:22:31.199
requirements of the Energy Code

1:22:27.520,1:22:31.199
for that new project

1:22:32.080,1:22:35.520
but we are looking at that as

1:22:34.560,1:22:37.760
well.

1:22:35.520,1:22:39.199
So i'm sorry i apologize i'll have more

1:22:37.760,1:22:39.440
information for you on that but that is

1:22:39.199,1:22:42.320

an

1:22:39.440,1:22:43.920
ongoing question that we have and we

1:22:42.320,1:22:48.400
don't have a definitive answer

1:22:43.920,1:22:48.400
but as of right now the way it's written

1:22:49.040,1:22:53.120
what the confusion is, is the

1:22:51.440,1:22:54.320
buildings are still considered hospital

1:22:53.120,1:22:57.760
buildings if they become

1:22:54.320,1:22:59.440
1R and there's an exception for

1:22:57.760,1:23:01.360
licensed facilities

1:22:59.440,1:23:03.280
but is that a licensed building or not.

1:23:01.360,1:23:04.840
So there's a lot that goes into

1:23:03.280,1:23:07.199
that

1:23:04.840,1:23:08.159
but if the use,

1:23:07.199,1:23:11.199
say if you're gonna turn into

1:23:08.159,1:23:12.320
administrative building you

1:23:11.199,1:23:14.239
probably have to meet the requirements

1:23:12.320,1:23:16.480
of the occupancy for the Energy

1:23:14.239,1:23:18.239
Commission for alterations. That's how

1:23:16.480,1:23:19.280
we're currently looking at it.

1:23:18.239,1:23:21.440
So you're gonna have to meet the

1:23:19.280,1:23:22.800

requirements for energy for that new use

1:23:21.440,1:23:24.159

going into that building.

1:23:22.800,1:23:27.040

That doesn't mean you have to go back

1:23:24.159,1:23:30.320

and replace all your windows or

1:23:27.040,1:23:31.199

roofing or hvac units or anything like

1:23:30.320,1:23:33.120

that

1:23:31.199,1:23:34.880

but if you are replacing those things

1:23:33.120,1:23:37.520

anyway, yes they're going to have to meet

1:23:34.880,1:23:39.840

that requirement.

1:23:37.520,1:23:41.600

Perfect. Next question, so

1:23:39.840,1:23:42.000
this question might be for you Richard

1:23:41.600,1:23:44.880
or

1:23:42.000,1:23:45.920
Bill in or a combo dealing with

1:23:44.880,1:23:50.400
alternate power

1:23:45.920,1:23:53.040
and solar lighting. So the

1:23:50.400,1:23:55.040
question reads is there

1:23:53.040,1:23:55.600
documentation in reference to what

1:23:55.040,1:23:58.800
elements

1:23:55.600,1:24:00.639
if any can we utilize solar power or

1:23:58.800,1:24:02.320

alternate power sources in OSHPD

1:24:00.639,1:24:05.199

buildings for example

1:24:02.320,1:24:05.840

site lighting building signage accent

1:24:05.199,1:24:08.320

lighting

1:24:05.840,1:24:08.320

etc?

1:24:10.480,1:24:13.920

Can you repeat that question. Sure the

1:24:12.880,1:24:16.400

question reads

1:24:13.920,1:24:17.280

is there documentation in reference to

1:24:16.400,1:24:20.239

what elements

1:24:17.280,1:24:22.400

if any we can utilize solar power or

1:24:20.239,1:24:24.159

alternate power in sources

1:24:22.400,1:24:26.400

for sources in OSHPD buildings for

1:24:24.159,1:24:29.360

example site lighting

1:24:26.400,1:24:30.239

building signage and accent lighting?

1:24:29.360,1:24:32.880

Okay so

1:24:30.239,1:24:34.800

there is no restriction on putting solar

1:24:32.880,1:24:38.960

on the normal branch

1:24:34.800,1:24:40.560

of the electrical system and

1:24:38.960,1:24:42.639

so I want to stay away from the term

1:24:40.560,1:24:44.000

alternate because alternate energy

1:24:42.639,1:24:46.800
sources

1:24:44.000,1:24:47.360
the other branch of a power source for

1:24:46.800,1:24:49.120
the

1:24:47.360,1:24:50.719
essential electrical system but yes if

1:24:49.120,1:24:54.000
you had a

1:24:50.719,1:24:56.400
solar light fixture perhaps I

1:24:54.000,1:24:58.719
I don't know, I can't think that we

1:24:56.400,1:25:00.639
wouldn't allow it.

1:24:58.719,1:25:02.320
Richard you got any more. Yeah we're

1:25:00.639,1:25:04.400
actually doing a lot of projects where

1:25:02.320,1:25:07.280
they are providing either fuel cell

1:25:04.400,1:25:10.719
solar power as an alternate source of

1:25:07.280,1:25:12.800
normal power to the the projects

1:25:10.719,1:25:14.000
if you're meeting the power requirements

1:25:12.800,1:25:16.400
for that facility

1:25:14.000,1:25:17.840
that's fine, your emergency power

1:25:16.400,1:25:20.320
still has to be there

1:25:17.840,1:25:21.520
and there should be a main for if that

1:25:20.320,1:25:25.360
one system fails

1:25:21.520,1:25:28.560
it defaults to the other normal power or

1:25:25.360,1:25:31.040
utility power but yeah those

1:25:28.560,1:25:32.080
projects are coming in and I would

1:25:31.040,1:25:34.480
suggest if you're

1:25:32.080,1:25:35.840
interested in that you would either, you

1:25:34.480,1:25:37.920
can contact us here

1:25:35.840,1:25:39.040
and see what the process would be but

1:25:37.920,1:25:41.280
basically

1:25:39.040,1:25:43.199
it's really not even an alternate method

1:25:41.280,1:25:46.400

of compliance it's just meeting the code

1:25:43.199,1:25:49.679
requirements for that facility.

1:25:46.400,1:25:52.560
All right, kind of sticking with the

1:25:49.679,1:25:54.000
electrical we have one question that

1:25:52.560,1:25:56.480
came in towards the end

1:25:54.000,1:25:58.400
and the question Bill this is for you.

1:25:56.480,1:26:00.719
Confirming that the four hour

1:25:58.400,1:26:02.080
emergency power for ambulatory

1:26:00.719,1:26:07.920
surgery is just for

1:26:02.080,1:26:09.679
I occupancy/license space right?

1:26:07.920,1:26:10.960

The four hours is for ambulatory

1:26:09.679,1:26:14.080

surgical

1:26:10.960,1:26:16.639

which I believe is an I-2

1:26:14.080,1:26:18.639

I-2.1 and so yeah that's what we're

1:26:16.639,1:26:20.639

talking about.

1:26:18.639,1:26:22.320

Perfect. Yeah I'd like to actually

1:26:20.639,1:26:26.880

expand on that.

1:26:22.320,1:26:29.840

An example of this if you're adding a

1:26:26.880,1:26:31.280

subacute to a skilled nursing facility

1:26:29.840,1:26:33.600

Bill mentioned that you'd have to be

1:26:31.280,1:26:35.360
required to add that third branch

1:26:33.600,1:26:36.800
that would be only for that area of the

1:26:35.360,1:26:38.320
building that's being served

1:26:36.800,1:26:40.639
by that service so the same thing would

1:26:38.320,1:26:41.760
apply here

1:26:40.639,1:26:43.280
you would only have to provide the

1:26:41.760,1:26:44.239
additional service for the area that's

1:26:43.280,1:26:46.960
actually providing

1:26:44.239,1:26:46.960
that service

1:26:49.600,1:26:53.440

and I just want to add that the

1:26:52.000,1:26:57.280
requirements for clinics

1:26:53.440,1:26:59.040
can be found in 517.45.

1:26:57.280,1:27:00.960
Perfect thank you. Thank you

1:26:59.040,1:27:04.159
both for that.

1:27:00.960,1:27:06.320
Next question is past conversations that

1:27:04.159,1:27:08.400
there were some new CAN's being posted

1:27:06.320,1:27:09.679
for this remodel as well as maybe for

1:27:08.400,1:27:11.600
covid

1:27:09.679,1:27:13.840
have some of those been posted, how would

1:27:11.600,1:27:16.800

we be notified of this?

1:27:13.840,1:27:18.800

What was the question? The question reads

1:27:16.800,1:27:20.960

past conversations were that there are

1:27:18.800,1:27:22.239

some new CAN's being posted for this

1:27:20.960,1:27:24.800

remodel

1:27:22.239,1:27:26.159

as well as maybe for covid have those

1:27:24.800,1:27:29.360

been posted yet

1:27:26.159,1:27:32.080

or how would we be notified of this?

1:27:29.360,1:27:33.520

It's not really clear on the question

1:27:32.080,1:27:36.639

but I'll try to answer it.

1:27:33.520,1:27:39.120

The remodel CAN has been posted,

1:27:36.639,1:27:40.400

it was posted in November and is

1:27:39.120,1:27:43.520

available or downloaded

1:27:40.400,1:27:44.239

on the OSHPD website. There is also a

1:27:43.520,1:27:46.400

new CAN

1:27:44.239,1:27:48.000

coming for accessibility that should be

1:27:46.400,1:27:51.600

posted hopefully in the next

1:27:48.000,1:27:53.920

few weeks. There is a PIN,

1:27:51.600,1:27:55.040

PIN 4 that they've been using for the

1:27:53.920,1:27:58.719

COVID

1:27:55.040,1:28:01.920
to allow for rooms to be negatively

1:27:58.719,1:28:03.840
negative exhausted with

1:28:01.920,1:28:04.960
minimal construction if any without a

1:28:03.840,1:28:05.920
permit.

1:28:04.960,1:28:08.480
You would have to look at it as

1:28:05.920,1:28:09.360
originally written for TB and is now

1:28:08.480,1:28:11.810
being applied

1:28:09.360,1:28:13.199
to the coronavirus.

1:28:11.810,1:28:16.800

1:28:13.199,1:28:20.080
As far as us responding if anything else

1:28:16.800,1:28:21.760
actually there is nothing coming out

1:28:20.080,1:28:24.719
specifically for COVID.

1:28:21.760,1:28:26.080
If a project is being done as a surge

1:28:24.719,1:28:30.080
or an emergency

1:28:26.080,1:28:33.520
situation for the COVID situation

1:28:30.080,1:28:35.360
it is be handled on a case-by-case basis

1:28:33.520,1:28:37.600
and there are no regulations to go with

1:28:35.360,1:28:38.320
that. The condition is that they are

1:28:37.600,1:28:41.120
removed

1:28:38.320,1:28:42.800
once this crisis is over they cannot be

1:28:41.120,1:28:44.719
permanent installations,

1:28:42.800,1:28:46.080
once they become permanent they do need

1:28:44.719,1:28:47.360
a permit, need to go through the full

1:28:46.080,1:28:50.800
process.

1:28:47.360,1:28:52.480
However they can be expedited.

1:28:50.800,1:28:54.480
Perfect and this is going to be the last

1:28:52.480,1:28:57.199
question for our webinar today and this

1:28:54.480,1:28:59.840
has to do with removing

1:28:57.199,1:29:01.440

buildings from acute care services. So

1:28:59.840,1:29:03.679
the question is

1:29:01.440,1:29:05.679
can you describe the process after

1:29:03.679,1:29:08.320
OSHPD's approval to close the loop

1:29:05.679,1:29:09.360
with other agencies to justify licensed

1:29:08.320,1:29:11.679
acute care or

1:29:09.360,1:29:12.719
supplemental services having been

1:29:11.679,1:29:16.239
removed from

1:29:12.719,1:29:17.440
SPC 1 facility? Okay I did see that

1:29:16.239,1:29:18.960
question earlier and I did

1:29:17.440,1:29:21.280
try to touch on that when I was talking

1:29:18.960,1:29:22.960
about removal from acute care

1:29:21.280,1:29:24.880
I said there's a whole process a whole

1:29:22.960,1:29:27.600
series of projects that have to be done

1:29:24.880,1:29:29.600
to remove the project from acute care.

1:29:27.600,1:29:31.760
The final stage at OSHPD it actually

1:29:29.600,1:29:35.199
does go up to our seismic compliance

1:29:31.760,1:29:37.760
unit they review the project and confirm

1:29:35.199,1:29:38.960
that it has met all the requirements for

1:29:37.760,1:29:41.040
removal

1:29:38.960,1:29:43.199
and then is actually changed in our

1:29:41.040,1:29:44.560
system as a 1R that's where the 1R

1:29:43.199,1:29:45.520
came from it's a way to track these

1:29:44.560,1:29:47.920
buildings

1:29:45.520,1:29:49.600
once they are removed from acute care

1:29:47.920,1:29:51.520
but yet remained under OSHPD

1:29:49.600,1:29:54.560
jurisdiction.

1:29:51.520,1:29:55.600
We do send out a letter to local

1:29:54.560,1:29:57.679
agencies

1:29:55.600,1:29:58.880

when they are being transferred to their

1:29:57.679,1:30:01.040
jurisdiction if they remain

1:29:58.880,1:30:03.440
under OSHPD jurisdiction there is

1:30:01.040,1:30:05.679
nothing else required.

1:30:03.440,1:30:07.760
So I'm not sure what the requirement is

1:30:05.679,1:30:09.440
for other agencies when you do work

1:30:07.760,1:30:11.280
in those buildings. If it's under OSHPD

1:30:09.440,1:30:14.960
jurisdiction it will come

1:30:11.280,1:30:17.280
to us we will actually be reviewing

1:30:14.960,1:30:18.239
those under Standard Building Code for

1:30:17.280,1:30:21.280

California.

1:30:18.239,1:30:23.840

Basically we call it model code but it's

1:30:21.280,1:30:27.199

for California for the types of uses

1:30:23.840,1:30:27.199

that go into those buildings

1:30:27.760,1:30:33.040

the if it does go to the local agencies

1:30:30.320,1:30:34.800

they are notified that, that building

1:30:33.040,1:30:37.040

they actually have to approve that the

1:30:34.800,1:30:39.040

acceptance of that

1:30:37.040,1:30:40.080

and they are notified once the process

1:30:39.040,1:30:42.239

is done that

1:30:40.080,1:30:43.360

it is being transferred to them there's

1:30:42.239,1:30:47.760

a letter that goes out

1:30:43.360,1:30:49.840

to them. Perfect thank you so much and

1:30:47.760,1:30:52.239

with that being said,

1:30:49.840,1:30:52.880

oh sorry Bill would like to add

1:30:52.239,1:30:55.440

something?

1:30:52.880,1:30:57.280

Thank you Bill. Yeah I just wanted to,

1:30:55.440,1:30:57.920

got passed a note from a friend and he

1:30:57.280,1:31:00.000

1:30:57.920,1:31:01.840

wanted to remind me that ambulatory

1:31:00.000,1:31:05.280
surgical centers can also be B

1:31:01.840,1:31:07.840
occupancies, so the four-hour requirement

1:31:05.280,1:31:08.880
is for an ambulatory surgical regardless

1:31:07.840,1:31:13.120
of the

1:31:08.880,1:31:15.679
the occupancy. So that's all I have.

1:31:13.120,1:31:17.520
Perfect thank you Bill, and again we

1:31:15.679,1:31:19.040
want to thank you we here at OSHPD want

1:31:17.520,1:31:22.800
to thank you for joining us on

1:31:19.040,1:31:25.840
for session four of our four-part

1:31:22.800,1:31:28.880
series on the 2019

1:31:25.840,1:31:30.800
Code Update Webinar Series. If you

1:31:28.880,1:31:32.560
have any questions that did not get

1:31:30.800,1:31:34.800
answered or you think of any additional

1:31:32.560,1:31:40.000
questions please please feel free to

1:31:34.800,1:31:44.000
email us at FDDwebinar@OSHPD.ca.gov

1:31:40.000,1:31:46.719
or RegsUnit@OSHPD.ca.gov

1:31:44.000,1:31:48.639
and just to let you, everyone know we are

1:31:46.719,1:31:51.360
dedicated to providing

1:31:48.639,1:31:52.719
more informational webinars, and with

1:31:51.360,1:31:54.880

that being said please

1:31:52.719,1:31:56.560

feel free to email us any suggested

1:31:54.880,1:31:57.199

webinar topics that you'd like to see

1:31:56.560,1:32:01.199

more

1:31:57.199,1:32:03.120

webinars on and lastly but not

1:32:01.199,1:32:04.480

most importantly please get involved

1:32:03.120,1:32:06.480

with the

1:32:04.480,1:32:08.000

code development process whether it be

1:32:06.480,1:32:08.560

with the California Building Standards

1:32:08.000,1:32:11.600

Commission

1:32:08.560,1:32:13.920

or sign up on our listserv to receive

1:32:11.600,1:32:15.840

automatic notifications of what we have

1:32:13.920,1:32:18.320

going on here at OSHPD.

1:32:15.840,1:32:19.840

Again thank you so much and we hope you

1:32:18.320,1:32:27.840

enjoyed the webinar.

1:32:19.840,1:32:27.840

Have a good rest of the day

1:32:30.239,1:32:32.320