1   CEP REGULAR MEETING

2   SONGS ENVIRONMENTAL STEWARDSHIP

3   Laguna Hills, California and

4   Via Microsoft Teams

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12   TRANSCRIPT OF MEETING

13   March 23, 2023

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17 Reported by:

18 Denise Herft, CSR #12983

19 Assignment #5698376

20 Pages 1 - 136

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1   SAN ONOFRE DECOMMISSIONING

2   COMMUNITY ENGAGEMENT PANEL MEETING

3   STATE OF CALIFORNIA, COUNTY OF ORANGE

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9   Transcript of video-recorded meeting,

10 Laguna Hill, California and via Microsoft Teams

11 commencing at 5:31 p.m., Thursday, March 23, 2023.

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 1   SCE TECHNICAL SUPPORT PRESENTERS:

 2   MANUEL CAMARGO - Strategic Planning & Stakeholder

     Engagement

 3

     JULIA MARTINEZ - Presentation Slides

 4

     JERRY STEPHENSON - ISFSI ENGINEERING MANAGER

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 8              PUBLIC COMMENT PERIOD

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1   Laguna Hills, California, and Microsoft Teams,

2   Thursday, March 23, 2023

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4   CHAIRMAN DAVID VICTOR: My name is David

5   Victor, and I'm the volunteer chair of the

6   Community Engagement Panel and today is Thursday.

7   March 23rd. This is our first quarter CEP meeting

8   for 2023.

9   I want to remind everybody that, as is

10   our custom, these meetings are being recorded.

11   This meeting is being recorded. It will be posted

12   online after the meeting.

13   With the reduction in the COVID-19 risk

14   factors and some shifts in the health and safety

15   protocols for in-person meetings at Southern

16   California Edison, we're partially back in person

17   with a hybrid meeting. I'm not announcing the

18   pandemic is over, but it's kind of ending or

19   slowly ending.

20   So we have some of us joining virtually,

21   some of us joining in person, and Dan Stetson I

22   want to thank him for splitting the chairing

23   duties tonight, because I'm going to begin the

24   meeting by chairing and hand the chairing over to

25   Dan. It will be a little easier for him in the

1   room, and I'm very much grateful to him for his

2   willingness to do that. And I want to thank you

3   and general members of the public for joining us

4   tonight.

5   Please be patient with us as we try to do

6   yet another new thing with a new format and with

7   the hybrid approach and give us some feedback

8   along the way what you think is working and not

9   working.

10   Unchanged in all of this is the role of

11   the Community Engagement Panel in the

12   decommissioning process, which is public

13   engagement.

14   A draft presentation was posted last

15   Thursday, so a week ago the 16th of March as a

16   preview, also posted on songscommunity.com. I

17   want to thank Julia Martinez from SONGS for

18   running the slide show for us. Julia, thank so

19   much for doing that.

20   If we go to the next slide, I want to

21   show you the agenda for tonight. It's a pretty

22   busy agenda. First we're going to have some brief

23   general community updates, and then we're going to

24   hear about the coalition with its new abbreviated

25   name. I want to thank the coalition for

1   abbreviating its name. It's now called Spent Fuel

2   Solutions. In fact, Supervisor Jim Desmond who

3   has been with the coalition, the SFS Coalition, as

4   it's now called since the beginning, he is with us

5   tonight. I saw him earlier because both he and I

6   were rocking out to the same music, so I want to

7   thank Jim for being with us.

8   He's going to say a few words about where

9   the coalition is and what it's doing and some of

10 its contributions.

11   We're also going to get a readout on the

12 coalition's webinar actually this morning, which

13 featured representatives from Canada, Finland,

14 Sweden as they talk about their spent fuel

15 programs. Other countries are making progress.

16   After that we're going to get an update

17 from chief nuclear officer, the CNO at San Onofre

18 Doug Bauder about where the decommissioning

19 process is. And then decommissioning project

20 Director Vince Bilovsky is going to discuss the

21 contamination and dismantlement project that is to

22 my amazement halfway complete.

23   And then following those updates on the

24 plant, which we do every meeting, we're going to

25 shift over to the central theme of tonight, which

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 1    is environmental stewardship, and we're going to

 2    hear from environmental general manager Ron

 3    Pontes, who is going to cover quite a bit.  I'm

 4    not going to go into detail on all the things he's

 5    going to cover, but issues related to regulatory

 6    over sight and monitoring the natural environment

 7    around the plant, including the so-called

 8    exclusion area boundary, the renewal of the

 9    discharge permit and some issues surrounding

10    liquid waste cleanup and batch releases, which I

11    know is the topic on many people's minds.

12            We'll also have an update on the Wheeler

13    North Reef and San Dieguito Wetlands Restoration

14    projects and see how they're going, what's working

15    and what's not working.

16            I want to say for members of the CEP, Dan

17    and I welcome your comments during the

18    presentations.  Dan will pause periodically and

19    solicit views and if people want to say anything

20    and so on.

21            For the general public we have, as is

22    always, at least an hour fully dedicated to public

23    comment, and you can sign up for the public

24    comment opportunities.

25            And with that, what I'm going to do is
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 1   hand the floor over to Vice Chair Dan Stetson, who

 2   is there in person in Laguna Hills, which frankly,

 3   I'm sure is much more delightful than here in

 4   Washington DC which is overcast, dull and full of

 5   people from Washington and hand it over to Dan

 6   Stetson who is going to chair the rest of the

 7   meeting, and I'll come periodically here and

 8   there.

 9            Dan, the floor is yours.

10            DAN STETSON:  Thank you, David.

11            I'd like to welcome everyone this evening

12   both in person and online, and David, I'm sorry to

13   say -- happy to say that we've got blue skies

14   coming, the clouds are retreating and the next

15   couple days are going to be just perfect here.

16            CHAIRMAN DAVID VICTOR:  It's going to

17   start raining here in Washington.  Thanks a lot

18   for the update.

19            DAN STETSON:  Happy to rub it in.

20            First of all, I really want to thank the

21   folks that are the audio/visual team.  Three years

22   ago, as I'm sure you know, all of a sudden we had

23   COVID, and we went into this hiding area, and I

24   didn't even know what Zoom was at that time.  For

25   the last three years we've been working on Zoom,
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 1   and we actually became pretty comfortable with it

 2   and having meetings and they seem to work okay.

 3   Now all of a sudden we're back in person and also

 4   online, and with that, with these hybrid meetings,

 5   I've got to hand it out to these guys, they're

 6   doing great in terms of managing the complexities

 7   of doing it both virtually and online.  Once

 8   again, thanks to everybody on the audio/visual

 9   team.

10            First of all, I would like to say a few

11   things in terms of some updates:  We've had this

12   fall election cycle, and we've had some changes to

13   the CEP.  We first want to thank County Supervisor

14   Lisa Bartlett for her services on the committee.

15   I first met Lisa years ago, she was one of our

16   sand dollars when I was at the Ocean Institute,

17   and then she went onto become a city council

18   member, and we all know she became a county

19   supervisor.

20            She's really done a lot for the

21   community.  For those of you who don't know, Lisa

22   is also -- her hobby is jewelry, and the little

23   gold sea star that I'm wearing right now is -- she

24   made that.  So if you every need something like

25   that, be sure to find Lisa.
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1   So we want to thank Lisa, we also would

2   love to thank Christian Abueg and Pauline Colvin

3   who participated as alternates for Supervisor

4   Bartlett. We would also like to sincerely thank

5   San Clemente Mayor Chris Duncan and alternate

6   Laura Ferguson, Dana Point Mayor Michael Frost.

7   We would also like to welcome our new appointees

8   from the CEP from local government.

9   First of all, we would like to welcome

10   Orange County Supervisor Katrina Foley and her

11   alternate who is here Alyssa Napuri.

12   And I have to say you guys have done a

13   great job of jumping in with both feet, and I'm

14   especially proud of you learning all the acronyms

15   that are --

16   ALYSSA NAPURI: We do not know all the

17   acronyms, but we're getting there.

18   DAN STETSON: To the left me I would like

19   to also welcome San Clemente Council Member Victor

20   Cabral and his alternate member Mark Enmeier, who

21   is here as well.

22   Finally, I would like to welcome Dana

23   Point Council Member John Gabbard and newly

24   appointed alternate for Michael Villar.

25   David, I think you would like to give an

1 update with reference to some of the spent pool

2 policies, which have been happening recently.

3   CHAIRMAN DAVID VICTOR: I want to thank

4 you very much that. I want to mention that we in

5 this panel since the very beginning have

6 recognized that we want to move the spent fuel out

7 of here. We want to do a lot of things. We want

8 to make sure a lot of things happen. And the

9 community is engaged. It's a two-conduit and

10 we're informed what's going on at the plant, and

11 we help shape what's going on at the plant. We

12 want to make sure things are done safely. We also

13 want to really pay close attention when things

14 aren't done safely, and that's happened a couple

15 times.

16   But the long term here especially now

17 that spent fuel is all out of the pools, the last

18 of the most radioactive materials is going into

19 these canisters, the long term that really matters

20 here is moving the spent fuel out. We can't do

21 that on our own. We can't put that up on Ebay and

22 have somebody take it away or send it by FedEx to

23 someplace. We need to change in federal policy,

24 and that means we need help, political help.

25   We've had a tremendous support from local

1 congressional delegation and from the senate side.

2 I want to thank -- particularly call out Scott

3 Peters and Mike Levin who have been enormously

4 helpful in so many different ways.

5   But we can't with California votes alone

6 change federal policy. We realized in order to do

7 that we needed some help from the industry and we

8 also need other communities like ours to get

9 better organized. There are a lot of communities

10 in various ways, they have different interests and

11 so on, they are all around the country but they

12 don't know each other, they're not organized.

13   We, Dan and I, co-chaired with a lot of

14 other people a meeting, first meeting of its kind

15 a few days ago March 20th, a spent fuel policy

16 working group meeting. We put together some

17 must-haves, some must-not-haves and some like

18 nice-to-have items in terms of federal

19 legislation. We had a terrific conversation about

20 that with benefit of Tom Isaacs who is known to

21 this panel very well and other people around what

22 is really essential in federal legislation, how do

23 we get ourselves organized.

24   The outcome of that was a lot of

25 enthusiasm for more organization here. People may

1   remember a year ago Jennifer Granholm was at the

2   San Onofre plant. We asked her if they could

3   organize a meeting to help us bring the

4   communities to Washington to talk to folks in the

5   hill and to talk with each other in person, that's

6   going to happen, and when the time is right.

7   I'm here in Washington right now on a

8   meeting on the Future of Energy Innovation.

9   Secretary Granholm is here, a bunch of other

10   people, Neil deGrasse Tyson is here. A lot of

11   people are interested in energy these days. We

12   got to get ourselves organized. That's what we're

13   trying to do in this working group.

14   The outcome of that is there's going to

15   be a text that is a chairman's draft or summary of

16   the things we talked about turned into concrete

17   principles that can be turned into legislation,

18   and then use that as talking points for different

19   communities as they talk to their members of

20   congress, both in Washington and back at home.

21   So that's the update on the spent fuel

22   policy. I want to go to the next slide.

23   I want to pass the floor back to Dan but

24   pause for a moment and see if anybody has any

25   comments or questions with regard to what we're

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 1   trying to do getting other communities around the

 2   country organized with us to put a more concerted

 3   pressure on congress.

 4              DAN STETSON:  Thank you, David.

 5              These are just really a few housekeeping

 6   rules in how to happen.  So for online

 7   participation, as always, members of the public

 8   have the opportunity to submit questions in

 9   advance, and these are going to be the questions

10   that we're first going to deal with when

11   responding after public comment.  You have up to

12   two days which you can comment, and right here you

13   see the website you can go on to go ahead and log

14   onto those questions.

15              For those participating in the public

16   comment during the meeting, we would ask that you

17   would submit your written comments or questions or

18   sign up for oral comment in the back.  They have

19   some cards which you could fill out, and when the

20   time comes we'll ask you to line up.  There's a

21   little piece of tape over there.  We'll ask you to

22   line up over by the card.

23              For those of us who are on the CEP, if

24   you would like to ask a question or make any

25   comments during the meeting, just go ahead and
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1   raise your card like that or you can start

 2   speaking, and we'll go ahead and get you going in

 3   there.

 4   It gets a little tricky when you're

 5   logging in participating over the computer. If

 6   you're a CEP member and you want to speak, you can

 7   raise your hand icon under the reactions at the

 8   top part of your screen so we can identify you as

 9   a presenter.

10   For CEP members who happen to join late

11   and who may be unable to see your name change to

12   your status from a guest to a presenter, we need

13   you to do that in order for you to become present

14   so we can log you on. We need you to raise your

15   hand or the icon, and we'll see that and make you

16   a presenter so we can bring you so you can speak.

17   For CEP members calling in, to open and

18   close your microphone, please use the star 6 and

19   stay muted until you are asked to speak.

20   To raise your hand using a microphone,

21   use star 5. We'll make notes on those and review

22   those again when we get back a little bit later.

23   For CEP members in the room, lift up your

24   card. For reference material, there's materials

25   here and also on your seats.

1   Now we'll move on to the next slide, if I

2   may.

3   And it's my honor to introduce Senator

4   Jim Desmond from San Diego's 5th County District,

5   who's going to give us an update on the Spent

6   Fuels Coalition as the co-chair.

7   Supervisor, the chair is yours.

8   JIM DESMOND: Thank you, Dan. I'll take

9   the senator title here it's close, but it's the

10   county supervisor, but I like your idea better.

11   Thanks everybody for being here today.

12   I'm pleased to give you an update on behalf of the

13   Spent Fuel Solutions, formally known as the name

14   that nobody could pronounce, so it's now Spent

15   Fuel Solutions. There's several exciting

16   developments in the spent fuel area.

17   And I also want to begin by acknowledging

18   Orange County Supervisor Katrina Foley. Her and I

19   were actually on a Zoom this morning at 8:00 a.m.,

20   and talking with folks from Sweden and Finland and

21   Canada who are dealing with these same types of

22   issues, and we're learning how some of them have

23   progressed and some have not, but she's graciously

24   agreed to serve on the Spent Fuel Solutions

25   executive board as we continue our efforts to

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 1   hopefully secure offsite solutions for the spent

 2   fuel there at SONGS.

 3            We appreciate Supervisor Foley's

 4   commitment to this important issue, and I look

 5   forward to meeting with her other that on Zoom.

 6            As you know the Department of Energy

 7   announced the funding opportunity last year for

 8   communities that were interested in learning more

 9   about spent fuel storage.  The funding will

10   provide communities with the resources to explore

11   consent-based siting, spent fuel management, and

12   interim storage sighting considerations.

13            Basically these are for communities who

14   might be interested in doing storage on site or

15   near their communities on a consent basis.  So the

16   Department of Energy originally planned to provide

17   $16 million as part of this opportunity for cities

18   and communities to explore these options.

19   However, the appropriations bill passed late last

20   year, allowed them to increase this amount to

21   $26 million.  So that's good news.

22            Applications were due this January 31st,

23   and the Department of Energy expects to announce

24   about 6 to 16 awards of this money that's

25   basically going to allow them to look at the
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 1    feasibility of potentially becoming a site, the

 2    storage facility, either interim or permanent.

 3              We also want to provide a few updates on

 4    the changes in congress.  Representative Mike

 5    Levin, his Spent Fuel Solutions caucus continues

 6    to play an important role and discussions on spent

 7    nuclear fuel at the federal level.  He's following

 8    the recent election cycle, Representative Levin

 9    now is a new cochair of the caucus with Tennessee

10    representative, Chuck Fleischmann serving in this

11    position.

12              We're excited to see this caucus continue

13    to grow and appreciate Congressman Levin's

14    ongoing leadership in a bipartisan fashion on this

15    issue in congress.

16              In addition, Representative Cathy

17    McMorris Rogers from Washington State is serving

18    as the new chair of House Energy and Commerce

19    committee.

20              Finally, I'm happy to announce that our

21    coalition webinar series is going to continue into

22    2023.  We held our first webinar with Dr. Kim

23    Petry, the Department of Energy's acting associate

24    department assistant secretary -- there's a long

25    title -- for the office of spent fuel and waste
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1 | disposition at the federal level.
 2 | And then this morning, as I mentioned,
 3 | the Spent Fuel Solutions we're pleased to host or
 4 | second webinar, which was done this morning. And
 5 | as I mentioned, it was folks from Canada, Canada
 6 | is kind of the -- the Canadians are pretty much in
 7 | the same, you know, position that we are in
 8 | looking for sites.
 9 | They've done quite a bit of outreach and
10 | try to get buy in, and they're doing a lot of
11 | outreach in the community. Sweden they've
12 | identified two sites already for their spent
13 | nuclear fuel, and in Finland they're very, very
14 | close to implementing their fuel -- spent fuel
15 | management programs.
16 | It was great to hear people from around
17 | the world that are in the same position and
18 | they've also made some progress. So if you
19 | weren't able to join us, you can still watch the
20 | panel discussion -- it was very good -- at
21 | spentfuelsolutionsnow.com/events. We also
22 | encourage you to keep an eye on the Spent Fuel
23 | Solutions Now web page for future webinars. We
24 | will try to put that up and help educate the
25 | public and hopefully getting buy in from

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1    communities and letting them know about the

2    opportunities out there, and hopefully we'll make

3    some progress and find a site.

4              Senator Desmond is going to sign off

5    here.  Thank you very much.

6              DAN STETSON:  Thank you so much future

7    Senator Desmond.

8              I wonder if there are any questions from

9    the CEP panel for the future senator.  If not,

10   we'll go ahead and move on.  And if we could move

11   on to the next slide, please.

12             Now I'd like to introduce Doug Bauder,

13   vice president and chief nuclear officer whose

14   going to give us a big picture.

15             DOUG BAUDER:  Thank you, Dan.  I

16   appreciate it.  It's great to be here in person

17   post COVID.  Great.

18             Yeah, every meeting we'll talk to the

19   same set of principles:  Safety, stewardship and

20   engagement.  Now on safety as the nature of

21   decommissioning work changes, you can go to the

22   songscommunity.com website and look at updates

23   that we provide, both in industrial and

24   radiological safety.  It is the number 1 important

25   thing to move the project forward and effectively
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 1   complete the decommissioning.
 2            In stewardship this time around you'll
 3   hear me say a few words about our three-year
 4   process called the Nuclear -- Triennial Nuclear
 5   Decommissioning Trust Review Process, and I'll
 6   talk to that from a few slides from now.
 7            Also, for this meeting Ron is going to
 8   address some key areas in the area of
 9   environmental stewardship.
10            Then in engagement, once again, we're
11   happy to be here.  It's great to do these
12   meetings.  It follows one of our core principles,
13   and also just as a reminder, many of you know this
14   already, you can go to the songscommunity.com
15   website and see when the next tours are available.
16   For example, we just conducted a tour on Saturday,
17   March 18th, less than a week ago.  We'll have
18   another one public walking tour on Saturday,
19   April 15th.
20            We look forward to that.  We know that
21   tours and visits to the site are some of the most
22   important things that we can do from an engagement
23   standpoint.
24            Resources, in addition to the quarterly
25   flyers we send out, we also post lots of updates
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 1   to the website.  If you have any questions, you

 2   can go to the website and you can e-mail us

 3   directly through nuccomm, it's a nuccomm e-mail

 4   box but just click on the link, and we'll do the

 5   best to answer the questions that you have.

 6           You can also get a closer look at the

 7   decommissioning process itself.  You can look at

 8   detailed pictures, things that are happening,

 9   which line up a lot with what you'll see here

10   tonight in the meeting.

11           Next slide, please.  I know we said

12   already, it's great to be back in person.  We're

13   able to do this because we've progressed in our

14   COVID protocols.  We were thinking about the

15   hybrid meetings last year throughout the year and

16   toward the end of the year, we were able to

17   actually do a hybrid meeting, but it would have

18   required validations and testing.  We thought well

19   that's really cumbersome for the members of the

20   public to have to go through that.  Here we are,

21   no testing required to be here, and we're happy to

22   have you all, and I know that the in-person

23   audience is thin.  We hope to grow that throughout

24   the year.  So if you're here and one of the few

25   members of the public in the in-person audience,
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 1   you're honored, we're honored to have you here.
 2   Thanks for that.
 3           Next slide.  The decommissioning trust
 4   process there's a lot of words on this slide.
 5   Basically it's a three-year process that we go
 6   through.  It does two things:  It validates the
 7   adequacy of the trust for San Onofre
 8   decommissioning, which is adequate, and the second
 9   big thing it does it looks at -- in the past, it
10   looks at the past three years of our spend against
11   what we told the California Public Utilities
12   Commissions we would do.
13           And so we go through a process where we
14   actually testify.  I testified, Vince here
15   testified, and members of our staff testify as to
16   the reasonableness of our spend, the progress in
17   decommissioning and things like that.  It's
18   actually quite a formal process.  It's actually
19   adjudicated by an administrative law judge.  We go
20   through and eventually receive a preliminary
21   decision, and that's decision is certified by a
22   full vote of the California Public Utilities
23   commission.
24           So if you go to the next slide please.
25   This is the timeline.  So it really started last
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 1  year.  I indicated we went through our testimony

 2  period.  That's called evidentiary hearings, and

 3  then we are through our briefing period.  We're

 4  right now on the position where we're waiting for

 5  preliminary decision and then the certification of

 6  a final decision.

 7           So some of you are aware of the NDCTP,

 8  because you've seen articles about it, and I just

 9  wanted to share that as sort of the details and

10  nuts and bolts behind it.

11           Sorry for confusing you on the slides.

12  Next slide, please.

13           DAN STETSON:  Doug, before you leave, can

14  I ask a quick question with reference to that,

15  please?

16           DOUG BAUDER:  Sure.

17           DAN STETSON:  So as you went through the

18  process, so right now does it appear that

19  everything is on budget and that there's enough

20  money in the fund to cover the planned

21  expenditures for the remainder of the

22  decommissioning?

23           DOUG BAUDER:  That's right.

24           DAN STETSON:  Here it says that there was

25  an intervener testimony, what does that mean?
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 1   What do they --

 2            DOUG BAUDER:  So just like when in a

 3   structured utility environment we do general rate

 4   cases --

 5            DAN STETSON:  Okay.

 6            DOUG BAUDER:  -- for funding projects we

 7   want to go out in the Edison system.  The NDCTP or

 8   Nuclear Decommissioning Trust process allows

 9   interveners to testify to the commission as to the

10   things they think we shouldn't have spent money on

11   or potentially looking forward with the

12   decommissioning cost estimate, things that we

13   shouldn't spend money in the future.

14            We encourage the process.  It's healthy.

15   There's healthy dialog at the hearings.  The

16   administrative law judge gets to hear both sides

17   of the story, and there's obviously a process

18   followed and so, yeah, we spent a lot of time

19   actually addressing concerns and comments that

20   interveners may have in the NDCTP process.

21            DAN STETSON:  Thank you very much.

22            DOUG BAUDER:  Okay.  Go to work streams,

23   please.

24            DAN STETSON:  David has a question.

25            CHAIRMAN DAVID VICTOR:  Mostly I wanted
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1 to see whether the system was working for raising

2 my hand, it does seem to be the working.

3   That success on that front, I want to ask

4 you, Doug, thank you for this update.

5   Can you talk a little bit about the

6 inflation and the rest of the economy. We see a

7 lot of inflation also rising costs of capital, how

8 much does that affect the overall costs of

9 decommissioning and how robust is the budgeting?

10   DOUG BAUDER: Inflation does affect the

11 cost of decommissioning. We're continually

12 evaluating that. We look at two things: We look

13 at the growth of the trust as an investment

14 vehicle, and then we also look at escalation,

15 which is captured by inflation.

16   The decommissioning contract has

17 provisions for inflation in it with respect to

18 labor, rental equipment, and all sorts of

19 categories. We do have a pretty detailed study on

20 that. Also, just as a general concept around the

21 trust, we're in what we call phase 2 of

22 decommissioning now, which is physical

23 dismantlement of structures at the site.

24   Then we'll go into a period where we're

25 safely maintaining the fuel on the site, and we're

Page 27

1   not doing a whole lot. And then once we can

2   safely relocate the fuel offsite, that will open

3   up a process involving the U.S. Navy through the

4   National Environment Protection Act, we call NEPA,

5   and the Navy will make decisions around final

6   restoration.

7   So we have a category of money in the

8   final restoration bucket that we'll utilize years

9   out. Before we utilize it to, you know, obviously

10   David it's collecting -- it's gaining in terms of

11   trust value as an investment vehicle. We look at

12   all that. Basically it's escalation of costs

13   compared to the expected investment return.

14   CHAIRMAN DAVID VICTOR: Okay. Thank you

15   very much.

16   DOUG BAUDER: Major work streams:

17   Above-ground structures is really where most of

18   the work is at now. We're about halfway down.

19   Vince will update us further on in the meeting

20   here and then the numbered -- the second item

21   there, safely managing the fuel on site. That is

22   really important to us. It's vital to what we do.

23   And three, advocating for offsite storage.

24   These three you've seen before, but these

25   really address what we're doing right now through

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 1   the decommissioning from a broad sense.
 2             DAN STETSON:  Doug, with reference to
 3   that, a few months back there was an injury where
 4   one of the workers, didn't seem to be a serious
 5   injury, is that person fully recovered, and has
 6   there been any other serious accidents since that
 7   time?
 8             DOUG BAUDER:  I think by saying a few
 9   months back, you mean actually April of last year?
10             DAN STETSON:  A year ago.
11             DOUG BAUDER:  A year ago, yeah, actually
12   it's been a year.  A year ago we had two workers
13   who were wearing a safety restraint system, they
14   fell, the system had deployed like it's supposed
15   to, they did not -- it was into a vault area, they
16   were pulled out.  One worker was fine and went
17   right back to work, and another worker needed
18   additional care, and it's my understanding that
19   worker is doing fine.  I don't think that worker
20   has returned to work yet, just based on personal
21   decisions, but I believe that that worker is doing
22   okay.
23             DAN STETSON:  Okay.
24             DOUG BAUDER:  And has fully recovered.
25   That was a serious injury in our serious injury
```

1   category. We haven't had a serious injury since

2   that time.

3   DAN STETSON: Thank you very much.

4   DOUG BAUDER: Okay. To hand off to Vince

5   or any other questions for me?

6   VINCE BILOVSKY: Okay. Good evening. I

7   always like to start these CEP updates with a few

8   words about safety, because it remains our top

9   focus during decommissioning. And those of you

10   who participated in previously CEP meetings may

11   recall we often talked about something called

12   defense-in-depth.

13   In the past we talked about a lot about

14   defense-in-depth as it relates to the physical

15   aspects of spent fuel storage, and that's really

16   important.

17   Also, if we go back to the days when

18   SONGS was operating, the plant equipment and our

19   procedures were fortified by defense-in-depth

20   design features. That means we had an intentional

21   design for component structures, systems and

22   processes where they were built with independent

23   layers of protection. So if one of those layers

24   failed, the other protective layers were in place

25   to ensure safety. And certainly that applies to

1   mechanical means.

 2   But defense-in depth also applies to the

 3   power of human inspection and oversight. Towards

 4   the end of my presentation I'll talk about a

 5   recent example where we used defense-in-depth in a

 6   human inspection process.

 7   So if we can go to the next slide,

 8   please. This slide provides an overview of the

 9   work activities for the year ahead. I'm going to

10   talk about each of these items as we go through

11   some pictures. If you look at the plant from the

12   outside, it's hard to tell by looking at it, but

13   on the inside of those two containment domes and

14   those adjacent auxiliary buildings, there's a lot

15   of work happening right now. So if you look right

16   in the center of those domes, we've been cutting

17   up and packaging the reactor vessel internals, and

18   that work is going to continue through out the

19   summer.

20   Once that's complete, we're going to

21   start removing the reactor vessels and other large

22   components inside the domes. Inside the buildings

23   between the two domes we're doing all the

24   decontamination and isolations of the energized

25   systems, and that's in preparation of the

1   demolition of those buildings. That work should

2   be starting in the first half of next year, the

3   demolition portion of it.

4   Part of the decommissioning work includes

5   the removal of the fuel racks that were used to

6   store the spent fuel before it was transferred

7   over to the ISFSI nearly three years ago.

8   Now, the outside work over the next few

9   months is going to include the demolition of the

10   unit 3 turbine building. It's going to be

11   completing the final status service of the intake

12   structure and then backfilling it with concrete,

13   and we're going to continue to do a whole lot of

14   waste shipments.

15   I was talking to Rick Calman before the

16   meeting and we're looking at shipping over 500

17   rail cars in just the first half of this year.

18   We can go to the next slide now. Thanks.

19   This map shows the demolition progress. The phase

20   of decommissioning that we're in right now it

21   includes all of the demolition of the above ground

22   structures and as it's been mentioned, we're about

23   halfway through with that. All these areas in

24   black, that are shown in black on the map, those

25   are the buildings and structures that have already

```
 1    been taken down.  That area in blue, that's what

 2    remains of the unit 3 turbine building, and right

 3    next to it on the left is where the unit 2 turbine

 4    used to be, and now that's gone as of the

 5    beginning of this year.

 6           We can go to the next slide, please.  I

 7    mentioned that one of our major work streams

 8    that's happening right now is the segmentation of

 9    the RVI, which stands for reactor vessel

10    internals.  We made a lot of progress over the

11    past year.

12           The RVI segments are each classified in

13    one of the three low level radioactive waste

14    categories depending on their proximity to the

15    reactors when they were operating.  The class A is

16    the lowest, B, C is in the middle, and then

17    greater than class C has the highest level of

18    radioactivity.

19           In these pictures here we're looking at

20    the segmentation of the fuel alignment plate for

21    each unit.  Those are the plates.  They were

22    located above the reactor core.  They were the

23    bottom of the upper guide structure.  The cut-up

24    segments that came from these plates are all in

25    the B, C category.  They were shipped out to the
```

1 WCS facility in Anders, Texas. This work here was

    2 completed in December for unit 3 and February for

    3 unit 2.

    4   We can go to the next slide, please.

    5   DAN STETSON: Doug, could you give us --

    6 pardon me, Vince, could you give us a sense of the

    7 scale of the size of that saw.

    8   VINCE BILOVSKY: Yeah, the saw blade is

    9 36 inches in diameter.

   10   DAN STETSON: It's about a yard across,

   11 that's a big saw.

   12   VINCE BILOVSKY: That's right.

   13   CHAIRMAN DAVID VICTOR: Dan, I think

   14 Mike --

   15   VINCE BILOVSKY: I'm sorry. David, did

   16 you have a question?

   17   CHAIRMAN DAVID VICTOR: No, I think

   18 Michael Villar does.

   19   MICHAEL VILLAR: I do, thank you. I

   20 apologize for interrupting but for those of us

   21 watching via Microsoft Teams, are you sharing your

   22 screen? Maybe I'm doing something wrong, but I

   23 don't see it.

   24   CHAIRMAN DAVID VICTOR: I think, Michael,

   25 what you need to do is pin the -- they are sharing

1   the screen. Try the gallery view or full screen

2   view I'm not sure.

3   MICHAEL VILLAR: Will do. Sorry about

4   that.

5   CHAIRMAN DAVID VICTOR: No worries.

6   VINCE BILOVSKY: So this picture here is

7   showing the segmentation of a different RVI

8   component called the core shroud. That's the

9   structure that immediately surrounds the reactor

10   core. This is the most radioactive material that

11   we have left in the containment domes. And this

12   is classified as greater than class C. This slide

13   here shows the progress that was made in unit 2

14   between November, which is shown on the left and

15   then in January, which is shown on the right.

16   At this point the core shrouds have been

17   completely segmented in both units. When it comes

18   to GTCC, you never want to stand close to any GTCC

19   material without having adequate shielding between

20   you and that material, because you want that

21   shielding to block the radiation.

22   In this case that shielding is about

23   25 feet of water. Before we remove the segments

24   out of the water, they're placed into thick metal

25   containers.

1   And that brings me to the next slide

2   which shows the initial process for removing and

3   storing greater than class C waste. Before I get

4   into what's on these pictures here, I'll mention a

5   few more things about greater than class C waste.

6   From now on I'm going to call it GTCC.

7   So GTCC is not spent nuclear fuel but

8   like spent nuclear fuel there's currently no place

9   to ship it to. The class A waste goes to Clive

10   Utah, the B, C goes to Anders, Texas, but that

11   GTCC is going to stay on site for now and go into

12   the ISFSI facility. That's in the same concrete

13   horizontal storage module system where we store

14   about a third of the spent fuel assemblies.

15   We currently have three GTCC canisters

16   loaded on the ISFSI. One came from unit 1 back

17   when that unit was decommissioned, and another

18   came from each of the spent fuel buildings from

19   units 2 and 3, and we transferred those over last

20   summer.

21   DAN STETSON: Vince, real quickly, this

22   says that it's a GTCC liner, is it a canister

23   similar to the other canisters, about the same

24   thickness, the same material that was used to

25   store the rods?

1   VINCE BILOVSKY: Approximately. So this

2   liner is actually somewhat thicker. The design

3   for these GTCC containers are really a concentric

4   canister within a canister. So this one is about

5   the liner which is the initial canister that's

6   loaded with the pieces is about one and a quarter

7   inch thick wall, yeah.

8   DAN STETSON: It's actually quite a bit

9   thicker than the other canisters?

10   VINCE BILOVSKY: Right. And then it goes

11   into a shell which is identical to the shells for

12   spent fuel.

13   DAN STETSON: Okay.

14   VINCE BILOVSKY: It's a container within

15   a container.

16   DAN STETSON: How thick is that?

17   VINCE BILOVSKY: That's 5/8ths of an inch

18   thick.

19   DAN STETSON: And then filled with helium

20   and with the top welded on?

21   VINCE BILOVSKY: That's right. You're

22   getting ahead of me.

23   DAN STETSON: Sorry.

24   VINCE BILOVSKY: No, I was going to go

25   over all of that. Yeah, that's actually on the

1   next slide. For this we're showing a GTCC liner

2   that's getting rigged and brought into the unit 3

3   containment building.

4   Then on the next slide here's just us

5   inserting those liners into the reactor cavity

6   area, so they can be loaded with the GTCC pieces.

7   You can see in this case what was remaining of the

8   core shroud at that time over in unit 3, which is

9   on the lower left.

10   And then if you go to the next slide, it

11   shows a loaded, fully loaded GTCC liner on the

12   left, and you can see in the middle that picture

13   there's three of those core shroud pieces and

14   they're surrounded by three core barrel segments,

15   and the core barrel is just the structure that

16   surrounds the core shroud. So these are loaded

17   piece by piece one at a time into the liner.

18   Inside the liner there's some

19   prefabricated compartments, we call them furniture

20   actually, and the furniture is there so the pieces

21   fit tightly in place.

22   The picture on the right is showing the

23   workers putting a cover on the liner while it was

24   being loaded. That's to prevent any unwanted

25   material from getting inside.

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1   But to continue on with your question,

2   Dan, once that loaded liner on the left there is

3   filled, the next step is to put a thick lid on top

4   of it, and that's bolted on. Then the full liner

5   is placed into a shell just like the spent fuel

6   canister shells, and that shell is inside a

7   transfer cast. This all done under water, okay.

8   So then that transfer cast, once that's

9   loaded is pulled out of the water and placed in a

10 work platform area placed next to the pool, this

11 cavity, and that's when we start the processing,

12 that processing that involves welding on a second

13 lid and removing all the water. It gets

14 completely dry using a vacuum dry system, and then

15 a third lid is welded on top of that, and then

16 it's ready to be taken out to the ISFSI and

17 transferred into the horizontal storage module.

18   DAN STETSON: And the horizontal, meaning

19 the AREVA horizontal?

20   VINCE BILOVSKY: That's right. The TN

21 AREVA NUHOMS.

22   DAN STETSON: Okay. Thank you.

23   VINCE BILOVSKY: So right now, actually

24 today we're in the middle of processing the first

25 GTCC liner from unit 3.

1   We can go onto the next slide, please.

2   DAN STETSON: Yes, we have a question

3   here.

4   MARK ENMEIER: The wording, the lining, I

5   met some constituents today and when you use words

6   like "lining," they think of like a little plastic

7   lining. When you use words like the "container"

8   they think of oil container.

9   VINCE BILOVSKY: Something that sounds

10   more robust.

11   MARK ENMEIER: Make it sound realistic

12   because they -- people are confused out there in

13   the public many times.

14   VINCE BILOVSKY: Understood. Thanks,

15   good point.

16   So we're moving out of the containment

17   domes now, and we're going into the spent fuel

18   building. Not everything is cut up into small

19   pieces. Here you see a rack coming out of unit 2

20   and that's going to be removed, decontaminated and

21   shipped in one big piece. There's eight racks

22   coming out of each unit.

23   And if you go onto the next slide, this

24   photo here there's a rack that's been wrapped,

25   sealed in an industrial package, loaded onto a

```
 1   tractor/trailer and shipped out to the class A

 2   facility in Clive, Utah.

 3            So earlier I mentioned that

 4   defense-in-depth as it relates to human inspection

 5   and oversight, and we saw that in action back in

 6   February with the shipment of one of these fuel

 7   racks.  A team member who was monitoring the

 8   preparation for rack shipment noticed that some of

 9   the -- little bit of water was dripping from the

10   package, wasn't a lot, ended up being less than a

11   pint all together.

12            So we know the worker is paying really

13   good attention, and we applaud him for spotting

14   that issue.  So we opened up the package,

15   confirmed that all the water was removed out of

16   it, and then the rack was repackaged.  It was a

17   really good catch.  It was early in the process.

18   And before the shipment left the site, there were

19   three additional checking steps so even more

20   defense-in-depth layers were there in the process

21   to identify a potential problem.  This worker was

22   really focused on the task at hand --

23            DAN STETSON:  Excuse me, Vince, we have a

24   question.

25            MARTHA McNICHOLAS:  I have a question.
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 1            DAN STETSON:  Martha, go ahead.

 2            MARTHA McNICHOLAS:  Yeah, could you go

 3   back one slide.

 4            So this is class A, so this is the

 5   least --

 6            VINCE BILOVSKY:  That's right.

 7            MARTHA McNICHOLAS:  So that's why

 8   everybody is not in bubble suits and shielding and

 9   everything else, that's why it's -- okay.

10            VINCE BILOVSKY:  Right, this is in the

11   containment.  That's really the only area right

12   now where we -- generally the only area where

13   we're fully dressed out.  It is class A waste

14   going to Clive, Utah.  It was thoroughly -- that's

15   encapsulate paint that's on there.  It was sprayed

16   down good.  It's very low activity.

17            MARTHA McNICHOLAS:  Thank you.  Just

18   clarifying.

19            ALYSSA NAPURI:  My question is that I

20   understand that in the future we'll be using rail

21   cars to transport our waste, the less than class C

22   waste; is that correct?

23            VINCE BILOVSKY:  That's right.  We are

24   using rail cars right now to I think we've

25   probably shipped about a 150 million pounds of
```

1 class A waste at this point by rail from SONGS to

2 Clive, Utah.

3   ALYSSA NAPURI: Have we experienced or do

4 you anticipate experiencing delays due to the

5 ongoing transfer of the low sand corridor?

6   VINCE BILOVSKY: We haven't yet. We're

7 going to be ramping up our shipments quite a bit

8 in the near coming future here. I think we

9 shipped out 20 rail cars last night and received

10 20 more. Haven't been slowed up.

11   ALYSSA NAPURI: When you ship them out do

12 they go north through Orange County, or do they go

13 south through San Diego?

14   RON PONTES: You want me to answer that?

15   VINCE BILOVSKY: Yeah, go ahead, Ron.

16   RON PONTES: So the rail cars are filled,

17 and then they're held in a rail yard on site until

18 there's a sufficient number of them to be pulled

19 off site. A locomotive arrives at the site and

20 takes them away, takes them south towards a rail

21 yard near Oceanside, and they're stored there

22 until there's a sufficient number of them to be

23 taken on up to Clive, Utah.

24   And they then do travel north again past

25 the SONGS site, through San Clemente, and it finds

1   its way up through Nevada and into Utah to the

2   Clive site.

3   ALYSSA NAPURI: Thank you.

4   RON PONTES: You're welcome.

5   DAN STETSON: Anyone else? Okay.

6   VINCE BILOVSKY: Go ahead to the next

7   slide. One more. Okay.

8   So now we're outside on the southeast

9   area of the plant looking at the unit 3 turbine

10   building, what's left of it, which is about half.

11   And that should be completed this summer.

12   And you can see the gantry crane sitting

13   on the ground there. That crane has already been

14   cut up into manageable pieces and being taken to a

15   recycling facility.

16   But if we go to the next slide, I'm going

17   to show a video of how it got there. So start the

18   video.

19   Looks like an odd way to take down a

20   crane by using a tractor/trailer, or tractor

21   pulling a cable in a 145 ton crane off the turbine

22   building.

23   That's how it's done. From an industrial

24   safety perspective, I'm trying to cut up a large

25   heavy component at heights, that presents a safety

```
1   risk to workers, so the safer approach is to do

2   exactly what we did here, make sure everybody is

3   out of the way and pull it off the ledge so it can

4   be cut up now while it's sitting on the ground.

5            A lot of engineering analysis went into

6   this process.  It went exactly as planned, and it

7   went exactly like it did for the unit 2 crane,

8   which was done a few months ago.

9            I think that's it.  If you have any

10  questions?

11           DAN STETSON:  I don't see any questions.

12           MARTHA McNICHOLAS:  David.

13           DAN STETSON:  Pardon me, David.  I'm

14  ignoring you.

15           CHAIRMAN DAVID VICTOR:  I'm feeling

16  neglected.

17           Quick question on the timing for greater

18  than class C, when do you expect completion of all

19  the greater than class C into the ISFSI?

20           VINCE BILOVSKY:  Late summer this year.

21           CHAIRMAN DAVID VICTOR:  At that point

22  everything that will ever go into the ISFSI, the

23  spent fuel storage, the greater than class C area,

24  at that point that process will be complete?

25           VINCE BILOVSKY:  That's correct.  Yeah.
```

1   CHAIRMAN DAVID VICTOR: Thank you very

         2   much.

         3   VINCE BILOVSKY: That will be 13 total

         4   canisters that will be loaded in there, and

         5   they'll be living next to the 123 canisters of

         6   spent fuel. So it will sit until the DOE is ready

         7   to come pick them up.

         8   DAN STETSON: So we see a question from

         9   another CEP online. Number 52, are you able to

        10   activate your mic?

        11   MARTHA McNICHOLAS: I think that's how

        12   many people are watching.

        13   DAN STETSON: Pardon me, Alice, you're

        14   actually going to be one of our guests for the --

        15   not for this part but when we do for the public

        16   comment. Pardon me.

        17   Go ahead and move on to Ron.

        18   RON PONTES: Hi, Dan. Thank you.

        19   I don't have any neat videos like we just

        20   saw there. We're going to talk about

        21   environmental stewardship. I'll walk you through

        22   a variety of slides here. Let's go to the next

        23   slide.

        24   I just want to say a few words before we

        25   really get rolling here. What you're going to see

```
 1    on the next few photographs about how we care for

 2    the environment at the site and the area around

 3    the site, and importantly it starts with people,

 4    people that are dedicated to their work, and

 5    people who know and care about the environment.

 6    You're going to see some of those folks on the

 7    next few slides.

 8           And their job it starts with training and

 9    all workers that come to the site, every worker,

10    every worker that's there is provided training

11    about the environmental awareness, and the key

12    objective to that training is to instill into each

13    one of these workers that it's their job to

14    protect the environment, whether it's the air, the

15    water, the soil, plants, or animals around the

16    plant.

17           Here on this slide you see a photo of the

18    California gnatcatcher.  This tiny bird it nests

19    in the coastal habitat that's around plant and

20    especially during this time of year.  And we

21    actively survey for these areas looking for where

22    these particular birds are nesting for the sole

23    purpose that we don't disturb their nest while

24    we're doing the destruction work.

25           Go to the next slide.  Here you see a
```

1 photograph of Ray, our full-time, onsite

2 biologist. Ray is performing some routine noise

3 monitoring because of a gnatcatcher nest that was

4 found in one of those habitat areas.

5   When we find a nest we implement controls

6 like buffer areas, and noise monitoring processes

7 like you see here until the birds have fledged and

8 left the nest. Ray is also the person that

9 provides all the environmental awareness training

10 for all workers on site.

11   I would like to say too that the span of

12 environmental monitoring includes air monitoring

13 for the dust, emissions monitoring for equipment

14 that we have running on site, storm water

15 pollution controls for the runoff of water from

16 rain events, along with monitoring for

17 archeological and paleontological resources.

18   So, you know, not only do we perform the

19 monitoring, but we have regular visits by a number

20 of different states and federal agencies to make

21 sure we're doing the things we have signed up to

22 do.

23   For instance, San Diego Air Pollution

24 Control District routinely visits the site. The

25 San Diego Regional Quality -- Regional Quality

```
 1   Control Board was recently on site to inspect our

 2   storm water prevention pollution plans and also

 3   our discharged permit.

 4            We have regular visits by California

 5   State Lands basically on a monthly visit basis

 6   making sure we're compliant with our (EIR)

 7   Environmental Impact Report conditions.  The

 8   Department of Toxic Substances Control (DTSC),

 9   they're also routinely on site, as is the United

10   States Environmental Protection Agency (EPA) about

11   once a year and in regular visits by the United

12   States Nuclear Regulatory Commission.

13            So all those agencies with overlapping

14   responsibilities routinely visit the site to make

15   sure we're doing what we're supposed to do and

16   complying with all of our requirements.

17            Let's go onto the next slide.  Okay.  I'm

18   going to show you here some examples on the next

19   couple of slides what we do.  You can see in the

20   lower left here some folks observing the

21   installation of a monitoring well.  We've

22   installed a number of wells throughout the site to

23   sample for non-radiological hazards, chemicals and

24   metals and so on and those results are reported to

25   the DTSC.
```

1   You can see this middle here a worker

 2   that is monitoring for volatile organic compounds

 3   during our excavation, and then on the right side

 4   you see an arrow pointing to an air monitor. This

 5   particular air monitor there are eight of these

 6   installed around the site. They're for the

 7   purpose of making sure that the dust and so on

 8   that we're generating is not causing a problem for

 9   the environment. These are not radiological air

10   monitors, these are environmental monitors.

11   They're real time. They collect the

12   data, the data is analyzed and we provide weekly,

13   monthly and quarterly reports to the DTSC for the

14   results of those air monitors.

15   Go onto the next slide. Here's some

16   other examples. You saw the removal of the crane

17   from unit 3 here just a moment ago. From the most

18   practical point of view the work that we do here

19   generates a lot of dust.

20   These big machines you see here are

21   called excavators. They pound away at the

22   concrete in these buildings and they generate a

23   lot of dust as a result, and we have to control

24   that. And the way we do that is with water. We

25   apply water across the site and to mitigate those

```
 1  emissions.  So you can see these types of controls
 2  in these photographs here.
 3          Let's go onto the next slide.  So now
 4  we're going to talk about the what's called the
 5  national pollutant discharge elimination system
 6  permit.  It's our discharge permit.  It's the
 7  permit that allows us to discharge into the ocean.
 8  This is a permit that's required by the Clean
 9  Water Act.  The Clean Water Act came into effect
10  in 1972, and that act prohibits the discharge of
11  pollutants into the water without a permit.
12          You have to have one if you're
13  discharging like we are, whether you're a power
14  plant or you're a water treatment plant or what
15  have you, if you're going to discharge into the
16  waters of the United States you have to have one
17  of these permits.
18          In this case the program, this federal
19  program is here in California controlled and
20  administered by the California State Water Boards.
21  In our case that's the San Diego Regional Water
22  Quality Control Board.
23          What the permit does it translates those
24  gross requirements that are if the Clean Water Act
25  into very specific requirements that dischargers
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1 have to comply with. For us if you were to look

2 at our permit, it has lots of provisions in it

3 about what we have to do in terms of what the

4 controls are and how we monitor, and how often we

5 monitor, and what our reporting requirements are.

6 It establishes those limits.

7   The one thing I want to leave you with on

8 this particular slide is this agency and this

9 permit does not control the radioactive

10 constituents that are discharged into the ocean.

11 That's controlled by the Nuclear Regulatory

12 Commission under our license for the SONGS power

13 plant under these two provisions here 10CFR20 and

14 10CFR50, which is our license.

15   Go onto the next slide. So our permit,

16 our discharge permit is coming up for renewal. In

17 February the water board issued a tentative order,

18 which is basically a draft of what the permit

19 would look like. They put it out in public space

20 for comment. It's very much like the permit that

21 we have today with some changes. Those comments

22 on that order were due back to the water board on

23 March 6th. The water board has received those

24 comments, and in fact, they had published those

25 comments in the public arena as well. They can be

1   found on their website.

2   Now there is a public meeting scheduled

3   on April 12th. It's in the city of Laguna Beach

4   at the city council chambers. So we'll be up

5   there on the 12th of April for the consideration

6   of this permit. We'll listen to a presentation by

7   the Water Board engineer to the Water Board

8   members and, well, we are hopeful they approve the

9   permit at that time.

10   Let's go onto the next slide. I do want

11   to talk about the two exceedance events that we've

12   had in the past few months. I think at the last

13   meeting that we had at the CEP, this event that's

14   described here on this slide, I discussed it. It

15   was new at that time. What happened was as you

16   saw those photographs earlier of the

17   deconstruction of the turbine buildings, and this

18   case as we were tearing down the unit 2 turbine

19   building and demolishing the pedestals, these big

20   concrete structures inside that building and using

21   those dust control measures that I talked about

22   earlier, that dust control water found its way

23   into the floor of the turbine building, as we

24   would I guess expect it to, and that water flowed

25   into the turbine building sump.

1   Along with the water, the dust control

2   water it carried with it a lot of debris from the

3   concrete demolition from beating those concrete

4   structures with those big excavators. So the

5   water in the sumps had concrete mixed in with it.

6   That water -- this is something that we made a

7   mistake about. We should have probably known that

8   this was going to happen or acknowledged it or

9   expected it, but we didn't.

10   Consequently the water was pumped from

11   those sumps to our oily water separator system or

12   common oil removal system, and because the total

13   suspended solids (TSS) in that water were

14   relatively high it caused oil in that system to

15   carry over and then go out to the ocean.

16   As we were doing this release, we were

17   sampling in accordance with our permit. We drew a

18   sample of the water, we analyzed the water, and we

19   found that we were exceeding oil and grease above

20   the daily limit. And the TSS was very close to

21   the daily limit but not quite exceeding it.

22   So what did we do? Then we released --

23   by the way, we released about 28,000 gallons of

24   water over the course of this release and by our

25   estimates about one gallon of oil was released to

1   the ocean along with that water.

2   We stopped the releases once we knew he

3   had the situation, and we notified the Water

4   Board. We stopped and took a look at what went

5   wrong and what he can do to mitigate the problem.

6   So we installed endline filters in that

7   water that comes from the sumps to this common oil

8   removal system. That reduced the TSS. We

9   implemented a batch release process that required

10   us to sample the water before it leaves the site,

11   similar to what we do for the radioactive water,

12   and, you know, we would confirm through that

13   sampling that the total suspended solids and oil

14   and grease content of the water was well within

15   permit limits before the release.

16   That's last September is when it

17   occurred. We're fully compliant since that point,

18   and we're haven't experienced any problem like

19   this again.

20   So let's go to the next slide. So just

21   recently, February, we performed another test.

22   There's quarterly testing of the outfall. The

23   outfall being that area on site that leads into

24   the conduits where the water flows out to the

25   ocean. Quarterly, we perform a sample of that

1 water and examine it to see if it produces a

2 chronic toxicity problem.

3   Let me tell you how this works. We take

4 a sample of the water that comes into the plant

5 from the ocean, the salt water dilution that's

6 coming into the plant. We take a sample of the

7 water too that we're putting into the outfall, and

8 we take that over the course of 24 hours. It's a

9 composite sample that we're drawing. We take

10 those samples and we send them to an independent

11 laboratory off site. The laboratory takes those

12 samples along with the third sample of water, sea

13 water that they get from the Scripps Oceanographic

14 Institute, so that's their control.

15   Then they use sea urchins -- the whole

16 point of this test is to use sea urchins and test

17 them for fertility and see what the effect of the

18 water is on the fertility rate of the sea urchins.

19 So they take sperm and eggs from the sea urchins,

20 and they expose them in each one of those three

21 environments: The outfall, the intake, and the

22 control, and then they wait a period of time,

23 hours, and then they count how many eggs are

24 fertilized in each one of those samples and

25 through that they compare to the control and

1   determine if there is a failure of the test.

 2   In this case for the first time ever at

 3   SONGS we failed one of these tests. So we were

 4   informed -- we got the test results on the 21st of

 5   February, it takes a few weeks for us to get the

 6   full report, and as a result, we look at our

 7   permit and what do we do? What does it tell us we

 8   have to do? It says take a second confirmatory

 9   test, so we take a second sample, follow all the

10   same instructions, and we send that to be the lab,

11   lab analyzes it, and the lab determined that that

12   test was a pass.

13   Now if it passes, you stop there and go

14   back to quarterly monitoring. So the key word

15   here is chronic. What you're really looking for

16   if you got a chronic problem in your outfall water

17   that you're causing somehow. Let's say that

18   second test failed what we do then? So well,

19   there's actually a prescription in the permit

20   about what -- that you follow.

21   If the second test failed, you enter into

22   an accelerated testing program for 12 weeks, and

23   over that 12 weeks every two weeks you take a

24   sample and you repeat like I said here, and if all

25   six of those samples come back as a pass, you

1 stop, and you go back to the normal quarterly

2 monitoring. If any one of the six samples fails,

3 and it kicks you into another routine called a

4 toxicity reduction evaluation. This is a more

5 exhaustive look into what's happening in the

6 environment here to determine what's causing this

7 toxicity problem.

8   And there is even a more detailed

9 procedure that tries to isolate what the problem

10 is, whether it's a chemical or some biological

11 condition, or just what it is in the water. That

12 can take up to a year to perform. While you're

13 doing all of that, we're allowed to continue to

14 discharge to the ocean while you're examining and

15 investigating what's causing this toxicity

16 problem.

17   In our case the second test was a pass,

18 we stop, we go back to routine monitoring. I

19 should say too based on what we've heard from

20 elsewhere in the environmental community is

21 sometimes these tests fail, they're a little bit

22 finicky, especially when you're dealing with sea

23 urchins apparently, so it's not entirely unusual

24 to see a failed test that you don't have a reason

25 for it to fail. That's the situation with this

1 particular exceedance.

2   Let's go to the next slide. Okay, so the

3 other thing that we're doing again is liquid batch

4 releases from the unit 2, 3 spent fuel pools and

5 the reactor cavities. As we started this year we

6 had on board the site about 1.9 million gallons of

7 water in those four areas, the two spent fuel

8 pools plus the two reactor cavities, say more or

9 less 1.9 million gallons.

10   So we've done, I think, three releases

11 starting in February from the unit 2 spent fuel

12 pool, and you can see it here on this slide almost

13 232,000 gallons of water have been released. Each

14 of these batches is nominally a 100,000, could be

15 100 to 120, sometimes a bit less. So that's what

16 we're releasing. We're doing these.

17   The tempo is more or less two releases a

18 month. I'll tell you now the next release will

19 probably be in four to six weeks from now because

20 we're reconfiguring the equipment and moving it

21 over to the unit 3 area, but nevertheless, we're

22 anticipating to be done with all of these releases

23 from all four of those areas probably in the time

24 frame of Q1 of '24, okay. First quarter of 2024.

25 So it's going to take some time.

1   And as I think everyone is aware, before

2   we do these releases, 48 hours before, we post on

3   our website that we're making a release, the

4   estimated amount of water that will be released

5   and we characterize it radiologically in terms of

6   dose so the public has some idea what we're

7   releasing and when we're releasing it.

8   These releases don't cause any harm to

9   people or the environment and that's supported by

10   what? We do what's called radiological

11   environmental monitoring around the plant site,

12   not only of air emissions that we make but also

13   anything we're emitting to the ocean.

14   In this case we look at -- we collect

15   data, for instance, we collect sea water and

16   analyze it to see if there's an accumulation of

17   radioactivity in the ocean water, we collect

18   sediment from the ocean bottom, we collect beach

19   sand, we collect animals, in this case crustaceans

20   and fish, we open them up and analyze them for

21   radioactivity. We split those samples with the

22   California Department of Public Health and they do

23   all their own independent analysis.

24   All of that information, all of that data

25   is collected and reported annually in our

1 radiological environmental monitoring report to

2 the Nuclear Regulatory Commission, and we also

3 post those reports on our website. In addition to

4 all of that, we try to simplify what is basically

5 a small phone book of information into something

6 simple, and you can find that information on our

7 website too. There's an interactive map of where

8 we take the samples and what the recent results

9 are of radioactivity that is in the environment.

10   I can tell you after all these decades of

11 examining the environment, we don't see an

12 accumulation of radioactivity. So we're reporting

13 to the environment is in good shape.

14   The other thing here to kind of leave you

15 with, there are limits about what we can release

16 from the plant in terms of radiation dose. It's

17 less than 6 millirem per year, one and a half

18 millirem per quarter. We're way below that. That

19 232,000 gallons of water that we released is a

20 little bit less than 0.1 percent of that 6

21 millirem per year limit, tiny, a tiny contribution

22 to dose from these releases. That will rise a

23 little bit as we go through this, of course, but

24 it will still be small in the end. We'll never

25 approach that number there.

```
 1            Let's move on to the next slide.  What do
 2    we do?  The water in the spent fuel pools, for
 3    example, the water is discharged from the pools,
 4    moved into a different tank.  As it's moved into
 5    that tank, it's cleaned up through a cleanup
 6    system.  First, it goes through a filtration
 7    process, in this case a charcoal filter, and then
 8    it goes through a couple different resin beds:  A
 9    cation bed, an anion bed, a mixed bed, take out
10    all the isotopes that are in the water, as much of
11    them as we can so that reduces radioactivity a
12    lot.
13            Then that water is put into another tank.
14    That tank is recirculated for a period of time to
15    get at least three volumes of turnover in it.
16    You've got water that is well-distributed, the
17    contents of which is well-distributed.  It's
18    homogenous, water is sampled.  We determine how
19    much radio activity is in it, we calculate a dose
20    for what we're going to release, and then the
21    water is released through pumps into the ocean.
22            So the water is processed through a rad
23    monitor.  The rad monitor has a very low set point
24    so that if anything is -- there's some small
25    particle more activated and tries to flow by the
```

1 rad monitor, it will trip, it will stop the

2 discharge, so that's one feature. The other thing

3 is we have to keep running while we're doing this,

4 is the dilution pumps. We have these salt water

5 dilution pumps that I was mentioning earlier, they

6 draw water in from the ocean and pump it back out

7 to the outfall. So here's where the dilution

8 point happens.

9   So we're processing somewhere around

10 nominally, give or take, about 80 to 100 GPM of

11 water from this radioactive water that's been

12 cleaned up to the outfall. It's mixing with about

13 14,000 gallons per minute of water. It is going

14 into the outfall, so you can see here the ratios,

15 and it flows on out through these long conduits.

16   If the dilution pumps should stop for

17 some reason, that is a feature of this system that

18 will stop the discharge, it will close the valve.

19 That's an automatic feature. All of this is

20 monitored by an operations group, and SONGS

21 Decommissioning Solutions (SDS), our contractor's

22 organization they stay on top of this to monitor

23 and make sure everything is working properly.

24   Any questions about this?

25   DAN STETSON: So, Ron, just to review

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 1   real quickly, we've got about 100,000 gallons

 2   being released over up to like 30 hours?

 3            RON PONTES:  More like 12 to 18 hours,

 4   probably tendency closer to 18 hours.

 5            DAN STETSON:  Okay.  That whole thing

 6   then as it comes in, it's diluted at

 7   14,000 gallons per minute before it goes out?

 8            RON PONTES:  Yes, that's right.  When it

 9   gets -- let's go to the next slide.  I think the

10   next slide is -- this is the interesting slide for

11   me.  On the right-hand side you see an image of

12   the plant, and in these yellow lines extending off

13   to the left are the conduits.  All of our releases

14   go through the unit 2 discharge conduit.  From the

15   shoreline to the very end of that conduit is

16   8300 feet, okay.

17            The last -- I think it's about 12 or

18   1500 feet of that conduit, there's diffusers.

19   These diffusers is where the water is emitted.

20   The first of those diffusers is more than a mile

21   off site.  The water is flowing through these

22   pipes and gradually coming out of the diffusers

23   into the ocean.  The water level out there varies

24   somewhat with the tide, 40, 50 feet of water at

25   that point.
```

1   You've been on the ocean out there, Dan,

2   you know, you've been out there with Surfrider

3   drawing samples, helping them from that point, I

4   think you can appreciate the ocean is big, and the

5   amount of water we're discharging is small, so it

6   is diluted quite a bit. To start with, the amount

7   of radioactivity releasing to begin with is

8   really, really tiny.

9   I'm going to mention one more thing, I

10 talked about a filtration system. Let's go back

11 one slide for a moment. What does this not take

12 out that's in the water? Doesn't remove tritium.

13 And there is some tritium in our water. But we

14 have to think about when you think about tritium,

15 what is the dose consequence of the tritium when

16 it's released to the ocean.

17   In all of these releases how you

18 calculate the dose consequences how it

19 bioaccumulates in fish and crustaceans, whatever

20 there is in the ocean that we would eat, that we

21 would consume, tritium doesn't really

22 bioaccumulate in a big way. So it doesn't have a

23 big dose consequence.

24   So I hate to compare us to Fukashima, I'm

25 not here to talk about Fukashima, I know that's on

everybody's mind, so we might as well say it.
Fukashima have a lot of water at that site. We
have about, what, 1.9 million gallons, they
have -- what's the number -- 240 million gallons
of water, some number like that, so they have a
lot more to deal with, and they have tritium in
their water too. I know it's a thing that's out
there that people are concerned about.

What I can tell you about SONGS is we
don't have a lot of water. The levels of tritium
in our water are relatively low to begin with, and
that's not a big contribution to the environment.
So the scale here is not the same. So I would
just like to say that we understand that and kind
of get it out there.

DAN STETSON: For those of us who don't
know what tritium is, can you give us a quick
little --

RON PONTES: Tritium is hydrogen isotope.
That's one hydrogen atom or one proton with two
neutrons. That is what it is. It's unstable, so
it doesn't like being together so over time it
breaks apart, and when it decays it releases a
week beta particle, okay. Beta doesn't penetrate
the skin necessarily. It's easily blocked by

1   anything, so it's -- it's not like a gamma ray

 2   which can penetrate you or cause a little bit more

 3   damage or neutron. It's not like that.

 4   It is a problem if you ingest it, if you

 5   were to ingest tritium or breathe it in, that is a

 6   bigger health consequence, not a huge one. It has

 7   issues around that. In our case we're releasing

 8   it to the water. It doesn't bioaccumulate, small

 9   concentrations to begin with, really not a

10   problem.

11   DAN STETSON: I think Martha had a

12   question.

13   MARTHA McNICHOLAS: Yeah, would that

14   tritium account for the NRC limit of 1.5 millirem

15   per --

16   RON PONTES: It would take a lot of

17   tritium to get close to those limits, a lot.

18   MARTHA McNICHOLAS: That is something

19   included in the radioactivity --

20   RON PONTES: Right.

21   MARTHA McNICHOLAS: -- limits.

22   RON PONTES: The bigger contributors are

23   things like cesium or cobalt, those things. We've

24   taken most of that out too with these ion

25   exchangers and filters.

1   MARTHA McNICHOLAS: Okay. That would be

2   accounted for --

3   RON PONTES: It's all accounted for.

4   MARTHA McNICHOLAS: -- in the testing and

5   monitoring, and if there was a big problem, it

6   would show up?

7   RON PONTES: Absolutely.

8   MARTHA McNICHOLAS: Thank you.

9   MARK ENMEIER: You mentioned it doesn't

10   bioaccumulate, could you explain why it doesn't

11   bioaccumulate?

12   RON PONTES: Because it behaves like

13   water. It's in and out, right. That's tritium.

14   It -- look at it like water. It's not like

15   stratum that you might ingest and it collects in

16   your bones or iodine when we were operating the

17   plant. We don't have iodine anymore. If we did,

18   it would accumulate in your thyroid.

19   Different isotopes accumulate in

20   different parts of the organs. Tritium kind of

21   just passes through. Does that help?

22   MARK ENMEIER: Yes, thank you.

23   RON PONTES: That's kind of a laymen's

24   understanding.

25   Let's go to the next slide. Next slide.

                                              Page 68

1   Unless there are any questions about this?

2   VICTOR CABRAL: Back to the last slide.

3   The byproducts of what is filtered, what happens

4   to that?

5   RON PONTES: These filters -- that's a

6   good question. The ion exchangers do collect

7   cesium, cobalt, other radioactive isotopes, and

8   they load up, and then SDS carefully monitors

9   that, because they don't want to pay a lot of

10   money to discharge it as class B or class C waste,

11   so they monitor it so they can discharge it as

12   class A waste. That's what they do with it.

13   They don't -- they carefully look at

14   that, they change that media from time to time.

15   MARTHA McNICHOLAS: Those filters get

16   replaced and sent off to either Clive or Texas?

17   RON PONTES: For disposal, yeah.

18   MARTHA McNICHOLAS: Thanks.

19   RON PONTES: Any other questions on that?

20   Let's go onto the next slide. Anything

21   here by anyone?

22   Let's stay here for a moment. I talked

23   about this long term monitoring we do and the

24   reporting that we make. This is the remp

25   monitoring, as I call it. We look for all

1   those -- we monitor all those parameters, water,

2   sand, sediment, so on, we report it. It's

3   available on our website in a simple form if you

4   want to look at it. These results clearly

5   demonstrate we're not accumulating radioactivity

6   in the environment.

7   Let's go to the next slide. And this is

8   that interactive map that I talked about. You can

9   find this on our website too. You can go here,

10 you can click on where we sample, and you will

11 see, and it will you take to the other pages that

12 show you the results of the recent sampling in

13 those areas.

14   Go onto the next slide. Okay. We're

15 going onto a new subject. We're not talking about

16 environmental anymore. Now we're talking about

17 these exclusion and controlled areas. There's

18 changes coming to these areas. In the case of the

19 exclusion area what this is I'm going to read it

20 off the slide here, it's an area surrounding the

21 reactors, that gives the licensee, that would be

22 Edison, authority to determine all activities

23 including exclusion or removal of people and

24 property from that area.

25   You are going to see it on -- in the next

1   slide what that is. Physical security boundaries

2   if this area are not required. This is quite a

3   big boundary around the site. We'll come back to

4   that in a moment.

5   The other area we're going to talk about

6   is the controlled area. This is a 100-meter area

7   surrounding the ISFSI where the radiation dose

8   resulting from a design basis accident must not

9   exceed the regulatory limits, meaning 5 rem per

10   year whole body dose.

11   And the ISFSI controlled area doesn't

12   have any effect on the measures for the physical

13   security of the plant either, okay.

14   Now, let's go onto the next slide. This

15   might look like a little bit of a busy slide. In

16   the middle here you see an image of the plant, the

17   two reactors, unit 2, unit 3 and that big green

18   line that goes around them is the definition of

19   the exclusion area boundary. It's almost

20   2000 feet from the center line of the two

21   reactors. When we were operating the reactors and

22   we were close to limits if we were to have a

23   reactor accident, and should there be a release it

24   was in this area we had exclusive authority where

25   we could remove people or property. We could

```
 1   control this area.  That's what this means.
 2   That's what this is all about.
 3            This area is no longer required because
 4   we're not operating the reactors anymore and all
 5   the fuel is, where, it's in the dry storage
 6   facility.  There's no fuel left in the plants.
 7   It's not possible for the accidents that this was
 8   defined for to happen anymore.  It's really not
 9   needed anymore.  We'll talk about that more in a
10   moment.
11            The other area is harder to see on this
12   slide, but that's the controlled area boundary, or
13   the CAB, that's 100 meters basically around the
14   fence that defines the perimeter of the ISFSI or
15   the dry storage facility.
16            You can see that red dotted line it's
17   kind of rectangular in shape that is around it.
18   The bigger red line, the bigger rectangle that you
19   see that kind of encompasses the whole site is the
20   licensed area for the site, okay.  That's the part
21   50 licensed area.
22            These two boundaries allow us to do
23   things outside the licensed area.  That's their
24   purpose.
25            Go to the next slide.  Okay.  So the EAB
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 1   is not needed anymore.  There is a provision in

 2   the environmental impact report, the lease that

 3   encompasses the environmental impact report for

 4   decommissioning the plant, and that tells us that

 5   we have to seek NRC approval to reduce the EAB to

 6   the minimum required by law.  We already know that

 7   it -- because the reactors aren't operating any

 8   more the EAB is not needed, so we can get rid of

 9   it completely.  That's because all the spent

10   nuclear fuel is in dry storage, and the release of

11   fission products from the reactor is not possible

12   anymore.

13          So doing this restores unrestricted

14   public access to those areas outside the part 50

15   boundary, remember that bigger rectangle.  So for

16   example, beach goers can walk along that walkway

17   and never be stopped by us once that boundary is

18   removed.  It doesn't have any impact on the

19   emergency plan.

20          So when do we intend to eliminate this

21   boundary officially is after we get all the

22   greater than class C material over to the ISFSI,

23   and that's really out of an abundance of caution

24   on our part.  Technically we don't even need it

25   for that.  That's the EAB.
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1   Let's go to the next slide. The

 2 controlled area boundary, so this is the other

 3 boundary. Now the NRC recently approved an

 4 extension request that we made to reduce the size

 5 this controlled area boundary from that 100 meter

 6 standoff, which is a regulatory requirement to

 7 something smaller.

 8   The idea here was to be consistent with

 9 what we're asked to do in the lease with

10 California State Lands, at least provision 32. So

11 this is what we were attempting to do here. On

12 the left-hand side you see that small bubble in

13 blue, that was basically out into the parking lot

14 area just beyond the licensed area. That is

15 reduced now to the fence line, and then on the

16 Oceanside, we're bringing it back to the sea wall.

17 Okay, that's where the new controlled area

18 boundary will exist.

19   It's less than 100 meters, but after

20 reviewing our calculations and the NRC performing

21 their own independent calculations, they

22 determined that it wasn't necessary to have this

23 100 meter standoff. That's because we have a

24 tremendous amount of shielding around those

25 canisters of fuel that are stored in the dry

1 storage facility.

2   So that is already implemented, and the

3 only thing left to do now is to remove the EAB,

4 which will happen a bit later this year.

5   Any questions on these boundaries because

6 they can be a bit confusing about what their

7 purpose is and how they're defined and what they

8 mean?

9   DAN STETSON: David.

10   CHAIRMAN DAVID VICTOR: Thank you very

11 much for this. I just want to make an

12 observation. Earlier the comment was made that

13 the language sometimes gets in the way of the

14 public understanding what's going on here. And I

15 just want to reiterate something that people have

16 been to these meetings for a long time know and

17 others may not, which is the Nuclear Regulatory

18 Commission, the NRC, still doesn't really have a

19 consistent strategy for decommissioning plants.

20   The whole agency was set up to deal with

21 plants that are in operation, and they're not

22 quite building the plane as it flies for

23 decommissioning plants, but the procedures are not

24 as straight forward. So one of the reasons that

25 you are narrowing the scope of the regulatory

1 control through something called exemption

2 requests is because in effect the whole system was

3 designed to operate in regulatory mode, and then

4 as the risks go down, you can relax some of these

5 set-asides and so on, and the only way to get

6 those administratively is through exemptions. I

7 don't know if you have any further comment on

8 that.

9   I wanted to underscore that because it

10 sounds sneaky. As a matter of administrative law,

11 it's the only way the NRC can operate.

12   DAN STETSON: And, Ron, are there any

13 reductions in the number of armed safety personnel

14 that are on site or any reduction in those type of

15 safety features?

16   RON PONTES: Not at all. Those

17 requirements remain and will remain until the very

18 last canister of fuel or GTCC is removed from the

19 site. That will stay like it is right now.

20   DAN STETSON: Thank you. Any other --

21   MARK ENMEIER: I just heard from some of

22 my constituents that they're concerned that even

23 with the spent fuel there, that sounds like San

24 Clemente can still be in an area of being affected

25 by any sort of leak or anything else, and you're

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 1   saying based on this, that there is no possibility
 2   of that?
 3           RON PONTES:  Let me try to explain it a
 4   different way.  When we were operating a plant
 5   there were 82 different emergency action levels
 6   that we could trigger due to an upset condition of
 7   the reactor plants, and that was when we were
 8   operating, okay.  The fuel was much closer to its
 9   limits thermally and, you know, accidents could
10   happen if a lot of barriers were diminished there
11   could be problems.
12           Today there's three with all the fuel in
13   dry storage.  None of those three can result in a
14   release of radioactivity beyond the site boundary.
15   Anything that happens is contained in the licensed
16   area.  So it's not possible for it to get out.
17   Okay.  So, no, I would suggest that the folks in
18   San Clemente ought to be reassured that this
19   system will work to contain those types of
20   accidents that could occur, but they can't --
21   won't be released outside that boundary.
22           DAN STETSON:  We have another question
23   Michelle?
24           MICHELLE ANDERSON:  I want to add
25   something for both Orange County, San Diego
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1 County, and Camp Pendleton, we continue to

2 maintain at the local level the emergency response

3 plans that include radiation monitoring teams, and

4 an offsite dose assessment center that do have a

5 protocol for should something happen, our teams

6 would deploy and would actually do a validation,

7 if you will, of the area. So even though it's

8 being granted the exemption request, Orange

9 County, San Diego County, and Camp Pendleton are

10 not changing our response procedures.

11   RON PONTES: Thanks for that. I should

12 have mentioned that and emphasized it. There's no

13 change whatsoever in that plan. Those responses

14 are still available.

15   DAN STETSON: And you still have the

16 radiation monitoring system in place and that will

17 continue?

18   RON PONTES: Yeah, we have a real time

19 radiation monitoring system in the ISFSI. That

20 data is streamed to three agencies as, you know,

21 Dan, California Department of Public Health, the

22 City of San Juan Capistrano, and California State

23 Parks. They all receive that information and so

24 they can see real time what's happening and

25 clearly those instruments show that the radiation

1 levels on the system today is about as close to

 2 background radiation levels as you can get; very,

 3 very small.

 4   DAN STETSON: Okay, thank you, Ron.

 5   RON PONTES: Welcome. Is there anymore

 6 slides?

 7   DAN STETSON: There's another one.

 8   RON PONTES: Another slide? Let's move

 9 on, please. I think we're going to wrap up here.

10 I think we talked about this at the last meeting.

11 This was part of the -- one of the key

12 presentations or perhaps the meeting before. You

13 know when we were operating the plant, the plant

14 had some impact on the environment. As a result

15 there were mitigations that were required due to

16 the operation of the plants.

17   There was a big reef that was built to

18 restore fish stock in this area. That reef, to my

19 understanding, is starting to meet its

20 requirements, and you can hear more about that

21 coming up at a meeting on April 5th, and it will

22 be at the San Clemente Community Center, and you

23 can get on Zoom and watch it, and you'll hear from

24 the scientists from the University of Santa

25 Barbara that do the monitoring, and you'll hear

1 about how the reef is performing, and you'll learn

2 a lot about that.

3   The other one that we have is the San

4 Dieguito Wetlands down by Del Mar. By the way, if

5 anybody has not had an opportunity to visit that

6 area, I really recommend that you go down there

7 and visit it, and it's very beautiful. This a

8 wetland area that has been restored.

9   Unfortunately it's not yet meeting its

10 performance targets. We continue to work on it so

11 it will achieve those targets. We have to

12 mitigate both of these areas for a time equal to

13 the years that the plant operated.

14   Dan, this is something I know you're

15 routinely interested in. Do you have any comments

16 you want to make about this?

17   DAN STETSON: Just that I'm looking

18 forward to attending certainly the meeting in

19 April. We used to host that at the Ocean

20 Institute, so I'm always interested in that. I'm

21 out regularly with the folks from Cal State Long

22 Beach out on the Wheeler North Reef. That's a

23 special interest. I look forward to that meeting.

24   RON PONTES: Thank you, Dan. I think

25 that concludes my part of this presentation.

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 1              DAN STETSON:  I think so.  I think the

 2    next slide.

 3              Sorry, any questions?

 4              Ron, thank you so much.  I think that was

 5    a lot of information there.  I think it was

 6    immensely helpful to understand all the different

 7    pieces of it.  Thank you very much for that.

 8    Also, Vince and Doug, thank you for that.  If

 9    there's no questions at this time, I think we all

10    need a five-minute break.  We'll come back here.

11              Those of you are interested, again, it's

12    really helpful if you write down your question.  I

13    want to apologize in advance to Nina, not on

14    purpose, I know in the past my wife says I don't

15    hear very well, and I have slaughtered some of

16    your questions.  If you write them down, we'll

17    certainly do our best to have them answered.

18    Right now we're going to take a five-minute break.

19              (Recess.)

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PUBLIC COMMENT

          DAN STETSON: Thank you very much. Let's

reconvene. If we can go to the next slide, slide

50. Once again the directions for public comment

are shown here and online, for in-person

participation, CEP comment form is also available

for you to speak online.

          We're first going to ask those that

signed up online we're going to open that up and

ask them to go ahead and make their comments or

questions as they may. After those are completed,

then we'll go ahead, and we will open up here for

those who would like to speak in person. And then

after those are done, the questions that have been

asked online and in person, hopefully we've done a

good job of documenting those, we'll then direct

those to the appropriate person to answer.

          Let's see, we'll now open the chat

feature for those participating virtually. I'll

call your name when it's your turn to speak. My

recollection is you hit star 5 in order to speak,

and you'll have three minutes to speak, so let's

call on the first commentator.

          MARTHA McNICHOLAS: Cathy Iwane.

1   DAN STETSON: Cathy Iwane. Look at that

2 speaker queue. Thank you so much.

3   Cathy, are you there?

4   CATHY IWANE: Can you hear me?

5   MARTHA McNICHOLAS: Yes.

6   DAN STETSON: We can hear you. Thank you

7 very much.

8   CATHY IWANE: Perfect, perfect. Thank

9 you.

10   Cathy Iwane, I am a resident of Del Mar

11 in North County San Diego. My question I have the

12 question, and it's a three-part question but

13 before I ask my question I'd like to for all those

14 in attendance tonight I would like to stress that

15 this the CEP is funded by the Decommissioning

16 Trust Fund, which all of us ratepayers have paid

17 into. And with that in mind, I'd like us all to

18 know in December and again in January, I sent a

19 heavily endorsed letter to the co-chairs of Spent

20 Fuel Solutions.

21   I sent it to the co-chairs of Spent Fuel

22 Solutions, because I wanted a response from my

23 elected leaders, and what this request letter was

24 about it was asking if a nuclear expert Paul

25 Blanche could present at the CEP meeting. Instead

1   of any response whatsoever from the co-chairs, I

2   received a refusal response from David Victor.

3   That is fine and well, but I would like

4   us all to understand that this CEP purports to

5   have an open dialog and to -- with a commitment to

6   embracing input from the public and the

7   surrounding community. As someone engaging on

8   this side and as someone who has been on boards of

9   corporations and boards of foundations, et cetera,

10 I do know what engagement means, and this is often

11 a situation where you might have to repeat what

12 has been said before.

13   So in the refusal I never received a

14 response from the co-chairs of Spent Fuel

15 Solutions, but instead I was told by technical

16 staff at Southern Cal Edison that they had already

17 given us a responses to all of our concerns about

18 retrievability of spent fuel at SONGS, as well as

19 serious concerns dealing with flooding and Tsunami

20 risk to the ISFSI that has not been addressed by

21 the NRC, nor has it been addressed at the CEP.

22   So instead of allowing a public expert,

23 independent expert to communicate unaddressed

24 concerns to the community, you shut us down.

25 Okay.

1   This is very important because we will

 2   have our own meeting addressing these concerns in

 3   May, end of May, May 23rd. So, please, everyone

 4   available please come and learn about concerns

 5   that have not thus far been dealt with.

 6   Okay on to my question --

 7   MARTHA McNICHOLAS: Your time is up,

 8   Cathy.

 9   DAN STETSON: Cathy, we do have your

10   written questions here. We'll go ahead, and we

11   have your questions that you have written so we'll

12   go ahead and include the questions that you've

13   written down and address those after everyone else

14   has had their chance to speak. We want to thank

15   you, Cathy.

16   And we want to move onto our next

17   speaker, and that is Alice McNally.

18   Alice, are you there?

19   ALICE McNALLY: Yes.

20   DAN STETSON: Okay. Very good.

21   ALICE McNALLY: Thank you. It is always

22   distressing to listen to the industry make light

23   of the radioactive dangers of decommissioning and

24   storage of nuclear waste and what the danger it

25   poses to the public. What is even more

1   distressing is to read that the San Diego Union

 2   Tribune has recently obtained California public

 3   records, which showed Chairman David Victor hiding

 4   financial ties to the utility companies.

 5   For the record, I am asking for a full

 6   disclosure tonight from Chairman Victor and from

 7   all the CEP members, thank you.

 8   DAN STETSON: Thank you very much.

 9   With that, we'll move onto our next

10   speaker and that is Kalene walker.

11   Kalene, are you there?

12   KALENE WALKER: Yes, I am.

13   DAN STETSON: Perfect.

14   KALENE WALKER: I guess I just wanted to

15   mention that there's a legislation currently to

16   override the current law which does not allow any

17   new nuclear in California until there's a

18   permanent repository.

19   I'm kind of watching all of that happen

20   and watching the promises that this waste is going

21   anywhere. I've attended a lot of technical

22   meetings from the NRC about the fuel, the

23   condition of high burn-up fuel and storage and its

24   degradation and clouding failure, and the problems

25   with fuel in storage, never mind transport. So

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 1   that people are believing that this stuff is going

 2   to go anywhere in its current containers is

 3   baffling to someone who has really, really been

 4   looking at the technical aspects of this material.

 5           Heads up on the bill that would override

 6   our current requirement that no more nuclear until

 7   there's a permanent repository.

 8           MARTHA McNICHOLAS:  Kalene, you had

 9   another comment that you submitted?

10           KALENE WALKER:  You can read that.

11   That's for Ron Pontes on slide 33 he said that the

12   sampling did not include for -- to test for

13   radiological elements.  I was curious why the

14   water well samples and stuff, and I'm wondering if

15   I heard him correctly, if I did, why wouldn't the

16   soil and water samples be tested for radiological

17   elements, because that's one of our big concerns

18   surrounding a big power plant?

19           MARTHA McNICHOLAS:  Thank you.

20           DAN STETSON:  Thank you very much.

21   Actually, that concludes all of those that have

22   requested to sign up or speak online.  The rest of

23   the ones we have three folks here that have signed

24   up online, but they're actually here.

25           Gary Headrick, you're first.  Please go
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 1   ahead and step up.

 2              Nina, you're after Gary.

 3              Charles, you're after her if you don't

 4   mind.

 5              Gary, please take it away.

 6              GARY HEADRICK:  Yeah, thank you very

 7   much.  My name is Gary Headrick, founder of San

 8   Clemente Green, and I'm proud to see our town

 9   well-represented here.  Thank you for being here,

10   and thank you all for being here.  It's good to be

11   here in person again.

12              I have a unique perspective, I think,

13   representing a large segment of our community, and

14   as much as we like to believe everything that we

15   hear, we have a reputation of checking things out

16   very thoroughly.  We are concerned about a lot of

17   the processes that seem to be going too fast or

18   they're discounted because they're not credible,

19   according to you, but we have experts who say they

20   are.

21              Really it's going to be a matter of us

22   coming together.  Obviously the industry has their

23   goals, and I would characterize them as being more

24   short term.  And our, as a community, we're

25   looking at the long term consequences of not
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1 handling this exactly right, because things do go
 2 wrong, we've seen that. Oftentimes I have to
 3 remind the public about things that have gone
 4 wrong, the things that were brought to my
 5 attention by whistle blowers.
 6   And a long history over the last more
 7 than a decade that I've experienced troubling
 8 information that doesn't add up, but we're not
 9 getting anywhere, and our issues are often
10 dismissed or ignored like Cathy Iwane mentioned.
11   I also understand if we're going to come
12 together as the industry and as the community, and
13 we have short term and long term goals we have to
14 find a way to match those to where they're
15 compatible and everyone is going to get what they
16 want out of this, and yet, that's going to take a
17 lot of trust. And it was mentioned already before
18 that David Victor has been accused of some things,
19 and he's not guilty until it's proven, but the
20 charges and the information that I've seen are
21 enough to raise the red flag and make me ask
22 questions and alert our community to something
23 that could be very detrimental to this process
24 because it undermines our trust.
25   Hopefully David is in the clear. We'll

1   see how that pans out, but if it doesn't, it's a

 2   huge disservice when I think he's trying to do the

 3   best, but if he's actually -- it doesn't bother me

 4   if he's getting paid and we didn't know about it,

 5   that's to be, you know, filtered through, but the

 6   part that really bothers me is he's being accused

 7   of altering the results of studies that would take

 8   our community, and San Diego in particular, take

 9   them away from local solar generation to large

10   scale utilities solar, and if he's doing that and

11   it's not to the benefit of the community, but he's

12   doing it to benefit himself or to benefit the

13   people he's representing, then we're starting all

14   over. The CEP is meaningless and everything

15   you've said before would fall apart.

16   So I think we have to look at that

17   closely as it develops and hopefully David is in

18   the clear, but if he's not, we have to be prepared

19   to pretty much restart everything.

20   DAN STETSON: Thank you, Gary.

21   And, Charles, if you don't mind, maybe

22   just get up there so we'll be ready to keep things

23   rolling.

24   NINA BABIARZ: We'll keep things rolling.

25   Good evening. My name is Nina Babiarz. I'm with

1   Public Watchdogs. I'm not going to discuss the

2   recent legal filings that reveal David Victor's

3   conflicts of interest issues primarily because

4   Southern California Edison will comment that it's

5   pending litigation.

6   However, I am do intend to talk about

7   conflicts of interest regarding Dr. Victor's

8   management of the CEP charter. When you think

9   about it Edison had a dazzling opportunity,

10   actually one unlike any other community engagement

11   panel around the country that enabled an

12   investor-owned utility to tap and have a

13   guaranteed annual budget within the

14   decommissioning with a ratepayers decommissioning

15   trust fund and allowed Edison to write its own CEP

16   charter.

17   What's unfortunate for our communities is

18   that in the nine years of the CEP chaired by

19   Dr. Victor had delivered little with what the

20   Southern California Edison CEP charter actually

21   promised to deliver to the community and how the

22   community itself has not experienced, for example,

23   enhanced and fostered open communication.

24   I believe that public involvement is

25   actually been suppressed. The charter goes onto

1 talk about open dialog, issues of interests in the

2 community. The topics of interest in most of

3 these meetings have been those of Southern

4 California Edison, Dr. Victor, and Cathy Iwane's

5 statement is another example of past examples that

6 have happened over the years.

7 I'll give an example for example when the

8 CEP panel member herself inquired to Dr. Victor

9 who would be the determining the next annual CEP

10 topics and what those topics would be, there was

11 absolutely no contribution from the community that

12 was sitting there that could have offered those up

13 to Dr. Victor, because he wasn't receptive to it.

14 And he made sure that the next time that CEP panel

15 member was actually removed.

16 Another example was is Gary Headrick

17 himself, and this was during the seismic

18 presentation by Driscoll at Scripps, Gary was

19 under the impression from Dr. Victor that he was

20 going to have an opportunity to rebut, and he

21 prepared to do that, but at three minutes

22 Dr. Victor cut him off at the knees.

23 Gary is a well-respected community

24 participant in this whole process from the very

25 beginning. So I hope that in my concluding

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1   seconds here for all the open dialog that we have

2   according to the charter, that I don't think

3   anybody has even read, this might be an

4   opportunity for Edison to start distancing

5   themselves from the conflicts of interest that

6   Dr. Victor has with the CEP charter.  Thank you.

7            DAN STETSON:  Thank you very much.

8            Charles.  Please state your name, sorry.

9            CHARLES LANGLEY:  I'm Charles Langley.

10  I'm the executive director of Public Watchdogs,

11  and I just wanted to express my exceptional

12  concern about the idea of a community engagement

13  panel and what a community engagement panel is

14  supposed to do.  And I think what it's supposed to

15  do is educate and engage the public, as it says,

16  with meaningful discussion and provide a forum

17  even for meaningful debate.

18            I think the panel has done a great job on

19  the education part, but I'd really like to see it

20  opened up to people who aren't necessarily staunch

21  defenders of Southern California Edison because

22  right now the way it's set up, even though I

23  realize a lot of you are volunteers and you're

24  independent, the general public perception is that

25  the community engagement panel is really a public
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1 relations organ of Southern California Edison, and

2 in other parts of the country these panels are

3 actually independently created, sometimes mandated

4 by law, you know, to have a community engagement

5 panel and its made up of citizens. It isn't made

6 up of utility executives who are picked by the

7 representatives on the panel.

8   I'm not trying to criticize your service

9 as community engagement panel members, but it

10 would be great if we saw some meaningful and

11 genuine criticism that isn't coming from Edison.

12 I'll give you an example, I think about two months

13 ago we were part of an effort to ask an expert

14 Paul Blanche to present here. And Mr. Blanche was

15 willing to fly to Southern California and discuss

16 his concerns about flooding, which are very real

17 and legitimate in terms of what would happen if

18 there was a flooding event at the independent fuel

19 storage facility, and this offer was declined.

20   This is a man with 50 years of experience

21 at operating nuclear reactors from his time in the

22 Navy, all through his time at Commercial Nuclear

23 Reactors, and he was simply dismissed, and I'm

24 concerned. I'm very concerned that someone who is

25 very much qualified expert wasn't allowed to come

1   up here and engage in meaningful dialog and

2   actually discuss the science. Thank you.

3   DAN STETSON: Thank you very much,

4   Charles.

5   Quick question, if I may, before we go

6   on, I thought that brought up an interesting

7   point, with all the rain that we've had recently

8   over these last couple months, have we had any

9   flooding issues at all with --

10   RON PONTES: We have not. The storm

11   water drain system on site has been handling the

12   rain quite well, and in the case of the north

13   industrial area where the dry storage facility is

14   located, we haven't had any problems whatsoever.

15   There is large pumps there in the sump

16   that actively de-water that site. We haven't had

17   any problems.

18   DAN STETSON: Thank you very much. I

19   believe that concludes all of the public comments

20   both online and in person. So now we're going to

21   move to answer those questions that have been

22   submitted. And Martha is going to help me with

23   this.

24   MARTHA McNICHOLAS: I think the first one

25   we got was through Gary Headrick through the

1   nuccomm site. We go to that one first, but it's

 2   also mentioned by several other people, and that

 3   is some of the questions with David Victor as

 4   leader of the CEP and his financial ties to

 5   utilities.

 6   And, Dr. Victor, I know you have e-mailed

 7   a response, but could you -- give you a chance to

 8   explain.

 9   CHAIRMAN DAVID VICTOR: Sure, absolutely,

10   thank you very much, Martha.

11   So let me just say a couple things

12   quickly: First, I was really surprised, and

13   surprised is being kind, I think, at the messages

14   that Gary Headrick and Charles Langley sent around

15   to the community a day or two ago. I was just

16   stunned by that.

17   You know, Gary talked about trust, trust

18   is a two-way road. We've known each other for a

19   long time. Whenever issues come up, I always bent

20   over backwards, got in my car, driven to see you,

21   sat down with you, had a cup of coffee, listened.

22   Charles, we invited you to Scripps

23   Institute of Oceanography, you and your colleagues

24   to learn a lot more from Neil Driscoll about

25   seismic risks. Neil made hours and hours and

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 1   hours of his time available, so did I.  That's how

 2   we deal with things is we talk and then we learn,

 3   and then if there are concerns, we talk about that

 4   more widely in the public and so on.  But to go

 5   into lead to the public without even checking

 6   basic facts, to me is astonishing.

 7            Second, there's no issue of hidden

 8   financial ties.  There's full disclosure.  I'm an

 9   academic, I study how to eliminate emissions that

10   cause global warming.  I think that's pretty

11   important for the planet, maybe other people don't

12   think so.  That hinges every single study,

13   including the study that just came out from the

14   Intergovernmental Panel on Climate Change, which

15   won the noble peace prize with Al Gore, an

16   organization I've been very heavily involved with.

17            The central result of that is electricity

18   is the core strategy, so what do we in our lab at

19   UC San Diego with our graduate students and so on,

20   we study electric power systems.  You can't do

21   that work unless you're connected to people who

22   know how power systems operate.  That's why we do

23   it that way, and we disclose all of the funding.

24   We're proud of that, because it's a sign of the

25   quality of our work.
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1   I have sent a detailed note to both Gary

 2   and Charles, and I've sent to the entire -- copies

 3   to the entire CEP, make it part of the public

 4   record. I'm not concerned about an issue of

 5   public disclosure, my university is not concerned

 6   about an issue of public disclosure.

 7   Third, I'm kind of astonished to hear all

 8   these comments at this meeting. It's like a

 9   gotcha moment, because they have nothing to do

10   with San Onofre, except for this kind of

11   implication that there's some cabal that's making

12   secret deals or hiding information from the public

13   that's false, that's wrong.

14   And the fourth and last thing I'll say

15   about this, is we're all public -- every single

16   member of this CEP is a volunteer, and one of the

17   things that makes it great and to other comments

18   that were made, this CEP is being watched around

19   the country and it's a model, it's one model, not

20   the only model, there are lots of models.

21   Sometimes, like in Vermont, it's mandated, most

22   countries, most places, it's not mandated.

23   We've got one way of doing things here,

24   and a lot of people are watching us and learning

25   from us and we're learning from them and they were

1 actually on this call a few days ago getting

2 themselves organized to try and push for changes

3 in federal law so we can move the spent fuel out

4 of here.

5   Why on earth would we start attacking

6 each other in the kind of harsh way that has

7 become so common in American politics, when we're

8 pointing all the same direction. So I'm just -- I

9 was really surprise and disappointed after all the

10 time that we all have worked together to try and

11 build trust to see two prominent members in our

12 community and their organizations make those

13 comments in public without even bothering to check

14 facts, let alone giving me the opportunity to talk

15 with them, which I would have happily done.

16   DAN STETSON: Thank you, David. I'd like

17 to add onto that, and David, just real quickly,

18 with reference to terms of compensation, have you

19 received any compensation from SCE or even

20 reimbursement for any of your expenses?

21   CHAIRMAN DAVID VICTOR: No. I don't even

22 ask for reimbursement, because I'm worried that I

23 if I get a reimbursement check -- I will say I've

24 had a couple of slices pizza, not today because

25 I'm in DC and mailing a pizza here would be

1   horrific, but I don't even ask for reimbursement,

 2   because I figure if I get a nickel of

 3   reimbursement someone is going to come after me

 4   with a conflict of interest.

 5   We once got a Public Records Act, and

 6   people have been pointing to the Public Records

 7   Act is somehow evidence that information is being

 8   hidden, that's what the Public Records Act is for.

 9   We got a Public Records Act request asking for all

10   the payments from Edison to me over year and years

11   and years, and our counsel looked at really

12   closely and wrote back and said there's nothing to

13   report.

14   Had the university been a customer of the

15   Edison, had we been the Edison service territory,

16   technically we would have had to comply with all

17   of our electric bills, because those would have

18   been all payments and moved back and forth between

19   the university and Edison. Not only do I not take

20   any money from Edison, not only do I not take any

21   reimbursement from Edison, I have prohibited

22   everybody in my research group and everybody

23   connected to my research from seeking funds from

24   Edison or any other kind of other compensation

25   from Edison, even though we work on micro grids,

1   and Edison does a lot of work on micro grids, a

2   lot of people think micro grids, including solar

3   micro grids, to your point, Gary, local solar is

4   one of the solutions future, we don't take any

5   funding from Edison for those purposes precisely

6   so that we don't create a conflict of interest,

7   because I'm committed as a volunteer to making

8   this CEP work effectively, and frankly, I think

9   it's working pretty effectively. Thank you.

10   DAN STETSON: Thank you, David. I also

11   want to address that because a question was really

12   addressed to all of the members of the CEP, so I

13   would like to go ahead and comment on that in that

14   as a volunteer, I've not received any direct

15   compensation for participating in the CEP.

16   As opposed to David, who hasn't even

17   accepted anything for reimbursement, I have been

18   reimbursed for a few things. I participated in a

19   number of conferences, I went back and toured

20   plants where they make the canisters, and I have

21   been reimbursed only for the expenses that I

22   actually put out, for instance, for my airline

23   tickets, and things like that, so I was reimbursed

24   for those.

25   There are a number of many other things

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 1   though that I didn't even ask for reimbursement.

 2   Gary, you and I went out to breakfast, I picked up

 3   the tab, Southern California Edison didn't

 4   reimburse me for that.  There's been many of

 5   those, and it's just part of doing it.

 6            However, in the interest of full

 7   disclosure when I was working at Ocean Institute,

 8   I worked there for 23 years, and I was president

 9   for 11 years, during that time Southern

10   California -- to put in perspective, we -- I had

11   about 120 employees, we had about a 100,000

12   students coming through the programs a year,

13   budget was $10 million, and I needed to raise

14   $2.2 million per year through fundraising just to

15   break even.  And Southern California Edison was

16   one of those folks we would go out to and ask for

17   funding, and the funding that they provided went

18   to what we called the Adopted Class Program, and

19   that was specifically earmarked for students from

20   Title 1 schools that couldn't afford to come here

21   on their own, and those funds went to cover them

22   so they could have an experience at the Ocean

23   Institute.

24            So while I was at the Ocean Institute

25   that I received a call from my contact at Southern
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1 California Edison and he said, would you take a

2 call from the president of Edison, and I'm

3 thinking, yeah, maybe he's going to give us some

4 more money so we could bring some more kids here.

5 I did take a call, and lo and behold I was

6 completely disappointed he wasn't going to give us

7 any money and he asked if I would consider

8 volunteering to be on the CEP panel.

9   As any smart husband would do, I said,

10 well, I need to check with my wife. I went home

11 and my wife of 27 years she said hell no, you're

12 not going do that, you are crazy. There's nothing

13 good that's going to happen to you for doing that.

14   And I said, well, it's pretty important,

15 and I don't really have an agenda except for try

16 to be a conduit for accurate information. She

17 still disagrees that I accepted that. As I've

18 moved up to vice chair, she is still not happy

19 with that.

20   But I retired from the Ocean Institute in

21 2015. I don't know Southern California Edison is

22 continuing to support the program there, but I

23 certainly hope they do.

24   Finally, I was going to keep it

25 anonymous, but since the questions have come up, I

1 do have a small boat, and as Ron mentioned, I do

2 take out the staff from Surfrider, and we've gone

3 out and we've collected samples off of the

4 conduit, and shipped those back to Woods Hole to

5 get them analyzed.

6   I do that all on my own, I own the boat,

7 I pay for the slip fees. I don't ask them for any

8 reimbursement for the gas, which costs about $100

9 a trip. Surfrider has promised me a T-shirt,

10 though, so I'm hopeful to getting that soon.

11   Also, to help with this effort, I work

12 now for the Nicholas Endowments. I suggested a

13 grant, which is going to be voted on tomorrow, of

14 $5,000 which will go to Surfrider to help them in

15 covering the costs for this analysis.

16   So you know, Gary, like you, and like so

17 many of you here and those here on the panel,

18 we're only here because we're really interested in

19 having the spent fuel safely stored and hopefully

20 removed as quickly as possible.

21   And with that, you know, if there are any

22 other members of this CEP that would like to make

23 a comment, you know, I know you're all volunteers,

24 if you would like to a make comment about this, I

25 would like to welcome you now.

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 1              Yes, I see.

 2              VICTOR CABRAL:  I will make a comment.

 3    I'm an elected official San Clemente.  I was

 4    compromised because I also got a piece of pizza.

 5    I'm here for the same reason, like you, we're

 6    trying to figure out what's happening, what's best

 7    for the communities around here.  I'd like -- like

 8    everyone, we would like to see the spent fuel

 9    moved.  It's a long process, so it's not easy.

10              I've worked in the federal government for

11    25 years out of Washington, so I know what the

12    bureaucracy is like, and it doesn't move fast.  It

13    moves very slow, and this process particularly is

14    a slow process.  So I'm committed to helping on

15    that any way I can, and I'll look forward to being

16    on this panel.

17              DAN STETSON:  And your wife is okay with

18    that?

19              VICTOR CABRAL:  She said okay.

20              DAN STETSON:  You don't have to answer

21    that.

22              VICTOR CABRAL:  She said okay.  She's mad

23    that I'm here tonight, though.

24              DAN STETSON:  Martha, can you help me

25    with our next question.
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 1            MARTHA McNICHOLAS:  This was -- I'm going

 2   to go back to Cathy Iwane who spoke to us, on the

 3   Paul Blanche issue, but what her questions are,

 4   and I'll combine with the other questions about

 5   Paul Blanche, her questions that she submitted

 6   were three parts; one, is it is my understanding

 7   that two spent fuel pools will be removed as part

 8   of the SONGS decommissioning efforts.  Can you

 9   please provide me with the documentation from NRC

10   that authorized this removal of the two spent fuel

11   pools at San Onofre?

12            If this not available, does SCE plan to

13   request a licensed amendment request for this

14   removal similar to other decommissioned nuclear

15   plants?  If you have no intention of asking NRC

16   for a licensed amendment request, how do you plan

17   on retrieving the spent fuel for repacking or

18   repairs without spent fuel pool or dry transfer

19   system on site?

20            I'm going to do these one at a time so

21   that we don't --

22            DAN STETSON:  Good idea.

23            MARTHA McNICHOLAS:  And I think that's a

24   Doug Bauder question.

25            DOUG BAUDER:  Thank you.  I can address
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1 all three. I have them written down as well.

2   MARTHA McNICHOLAS: Do you want me to do

3 all three questions then?

4   DOUG BAUDER: Sure.

5   MARTHA McNICHOLAS: All right. Her

6 number 2 question was, It's also my understanding

7 that per communications with NRC that a failing

8 canister would be put inside an overpacked, sealed

9 metal cask. The NRC has not evaluated this except

10 at Big Rock Point where it was determined that

11 this solution won't work without the canister and

12 fuel eventually overheating. Please explain what

13 protocols SONGS workers are trained/prepared to

14 carry out in the event of a failing canister.

15   And C, the third one, in the past I was

16 informed that SCE is out of compliance with their

17 certificate of compliance for, A, above, and

18 please provide me with SCE's current certificate

19 of compliance.

20   Doug, I'll let you take all three of

21 those.

22   DOUG BAUDER: Thank you, I appreciate

23 that.

24   So regarding the first question regarding

25 the understanding that the two spent fuel pools

```
1    will be removed, that's correct.  The second part

2    had to do with the licensing part of that removal.

3    We did receive a license amendment from the

4    Nuclear Regulatory Commission to transfer to ISFSI

5    only at that time the fuel was completed and

6    transferred to the dry fuel storage systems.

7              I actually have the ADAMS or the NRC

8    website address here where you can get look up and

9    click and get that license amendment to read it.

10   It's in the notes here that I have, and we'll post

11   that to the songscommunity.com website so you can

12   review the licensed amendment, if you like to, or

13   you can do your own search, anybody can, on the

14   NRC.gov website under the ADAMS system to search

15   for license amendments at San Onofre.  It's not

16   all that difficult to do.

17             The license amendment we received

18   authorized us to an ISFSI-only organization and

19   actually prohibits us from transferring fuel back

20   into the plant to the spent fuel pools, which are

21   actually being demolished.  Actually, Vince showed

22   pictures of the racks being removed earlier this

23   evening.

24             The second part of the question had to do

25   with, you know, the design function and
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1 furthermore, what would happen if we had to go

 2 into a situation where we detected something wrong

 3 with the canister would we go to an over pack

 4 situation. The answer to that is simply no. We

 5 developed robotics for detailed inspection

 6 protocols in the canisters, we've proven that

 7 technology, we've made it public, we demonstrated

 8 it for the Nuclear Regulatory Commission, even

 9 though the probability of a canister ever

10 developing a crack is so remotely low, we still

11 have the technology in place to detect and the

12 technology in place to do a metallic overlay on a

13 canister developing crack and ameliorate that

14 crack from continuing to develop.

15   Furthermore, it's a very slow moving

16 situation, so we would have a lot of time. And

17 even if that was to occur, there would be no

18 radiological release from the site, because the

19 fuel is in fuel rods, and the fuel rods contain

20 fuel pallets. The fuel pallets geranium oxide are

21 very stable and would require extremely high

22 temperatures before anything adverse would happen

23 to the fuel pallets. The fuel is not liquid; it's

24 solid. And it's a very slow moving situation,

25 even in the remote low chance that something was

1 to happen.

2   I want to remind you that the canisters

3 are designed for a 60-year life, and their actual

4 service life is over a hundred years, and there's

5 NRC documentation around that.

6   Further, we participated in the aging

7 management system, which is required by the

8 Nuclear Regulatory Commission to inspect our

9 canisters and make sure we have an active aging

10 management plan.

11   The third part of the question has to do

12 with certificates of compliance it says A, above,

13 meaning the spent fuel pools, we don't have a

14 certificates of compliance for the spent fuel

15 pools as they're being demolished. I think

16 perhaps the intent of the question has to do with

17 the certificates of compliance for the fuel

18 storage systems. So we have certificates of

19 compliance for both systems, both the Holtec

20 system and the TN system or trans nuclear system,

21 which is a storage system in site and those

22 certificates are available.

23   We can also post on our website a link to

24 those certificates, which is part of the license

25 that we operate by.

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 1              I hope that answers it.  There was quite

 2    a few aspects to the question.

 3              MARTHA McNICHOLAS:  Okay.  I think --

 4              DAN STETSON:  Thank you, Doug.

 5              MARTHA McNICHOLAS:  Sorry.  Thanks, Doug.

 6    You're probably up next anyway.

 7              I think Alice McNally's questions was

 8    similar to Gary Headrick's, I think we discussed

 9    that.

10              Kalene Walker had couple of questions.

11    One that the current legislation doesn't allow new

12    nuclear unless there's a permanent repository.

13    She was talking about a specific legislation.

14    Doug, can you talk about that?

15              DOUG BAUDER:  I believe that's referring

16    to current California law.  Current California law

17    would not allow siting of a new nuclear plant

18    without a permanent repository in place, and I

19    think actively in place, meaning licensed and

20    operational, and we could study that more.

21              MARTHA McNICHOLAS:  That's California

22    only, not nationally?

23              DOUG BAUDER:  That's California only.  We

24    may not be in the only state in that situation,

25    but that's how the law is here in California.
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1   MARTHA McNICHOLAS: They were -- you

 2   mentioned that there's something in New Mexico?

 3   DOUG BAUDER: Hang on. Since current

 4   legislation doesn't allow CIS unless there's

 5   permanent repository and waste isn't going

 6   anywhere, so it's sort of a -- there's probably a

 7   couple parts to the question here or the

 8   statement. There are two privately-owned CIS

 9   facilities being proposed, one in West Texas and

10   one in New Mexico. And there's various

11   legislation going on around those facilities as to

12   whether or not they would end up being licensed or

13   not.

14   Regarding the current Waste Policy Act,

15   the Waste Policy Act, you know, for a

16   government-owned consolidated interim storage

17   facility would require that the federal

18   consolidated storage, the final resting place be

19   licensed before the interim storage facility could

20   be utilized. So there's an issue with the waste

21   Policy Act itself that would require change.

22   MARTHA McNICHOLAS: Dr. Victor, did you

23   have a comment?

24   CHAIRMAN DAVID VICTOR: Yeah, I want to

25   add to that. I'm going to set aside the question

1 of California law. There's some people excited

2 about building new nuclear plants in California, I

3 think that's a tough road, and in any case is not

4 relevant to our group.

5   But I was in New Mexico about four or

6 five days ago, five days ago, I guess, for some

7 meetings on how to improve the nation's climate

8 change policy strategy, big rethink underway, and

9 very encouraging. While I was there I had a

10 chance to talk to people in politics in New

11 Mexico, and this points to exactly why we're doing

12 what we're doing starting with the meeting we had

13 three days ago with all these different

14 communities that are getting organized around

15 community engagement panels.

16   The politics in New Mexico have shifted,

17 and they appear, maybe not permanently shifted,

18 but they are hard to make work. And they passed a

19 new law that would, on the face of it, not allow

20 interim storage in New Mexico. There's been a

21 similar, not quite the same, development in Texas,

22 and it under scores why one of the most important

23 things we need is a diversity of places to have

24 interim storage and a diversity of permanent

25 repository solutions so we don't have a monopoly,

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 1   so we're not stuck with one solution and only one
 2   solution.  And that's, you know, one of the
 3   lessons that emerged from one of the experiences
 4   in Finland, that's one of the lessons that emerged
 5   from the experience in Canada.  We need to learn
 6   from those countries, and I'm very, very concerned
 7   that we've got a stay focused on the -- politics
 8   is shifting in a lots of different places.  And
 9   New Mexico, which we used to think was a reliable
10   place to send spent fuel on an interim basis is no
11   longer in that situation.  Thank you.
12           MARTHA McNICHOLAS:  Thank you.  One of
13   the other questions that Kalene Walker brought up
14   was for Ron Pontes, an I think this was a slide
15   regarding testing for non-radiological
16   contaminants, and the question is why wouldn't you
17   sample for radiological, and I think that was two
18   different slides and two different tests.  Can you
19   explain that?
20           RON PONTES:  Let me explain.  On that one
21   side, I did say that a group of people standing
22   around a well that had just been drilled, that
23   particular well was only for a non-radiological
24   sampling, for DTSC, for the Department of Toxic
25   Substances Control purposes.  We had many other
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 1   wells on site that are for the purposes of

 2   radiological monitoring for the water.

 3            So yeah, sorry if I caused some confusion

 4   about that particular well.

 5            MARTHA McNICHOLAS:  Okay.  Charles

 6   Langley, besides your comments here there was also

 7   one you submitted.  I understand measuring

 8   radiation in water is difficult.  How is SCE

 9   testing water?  Where can we see test results?

10   And CEP meetings should be a top priority for

11   Edison.  I'm troubled that Paul Blanche has not

12   been allowed to speak.

13            I think there's two things, one is the

14   water reports, and if you would like to address

15   that Paul Blanche issue, or if there's somebody

16   else --

17            DAN STETSON:  Maybe David.

18            MARTHA McNICHOLAS:  David can discuss

19   that too.

20            Ron, why don't you --

21            RON PONTES:  Yeah, I'll take that first

22   part.  So there's for the water that we released

23   that has radioactive constituents, all of that is

24   reported to the Nuclear Regulatory Commission in

25   our annual effluence report, which we also report
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1 on our website. So that's readily available. And

2 in that report is not only the radiological

3 emissions in water but also in air. It's fully

4 comprehensive in that respect.

5   With respect to other constituents,

6 non-radiological constituents, meaning the

7 reporting that we do to the San Diego Regional

8 Water Quality Control Board, I'm not exactly sure

9 where the public would find that data. I think

10 there's a way to get there through their website.

11 I'm not a hundred percent sure about that. We'll

12 do some research and get back to you on that

13 point.

14   But we report, we provide monthly

15 reports, quarterly reports, annual reports to the

16 Water Board, all kinds of reports, and we're

17 compliant except occasionally, as I mentioned

18 here, where we might have an exceedance.

19   MARTHA McNICHOLAS: Maybe an action item

20 is to see how we can link that to the community

21 website.

22   RON PONTES: We'll take that action.

23   MARTHA McNICHOLAS: Dr. Victor, do you

24 want to address the Paul Blanche?

25   CHAIRMAN DAVID VICTOR: Thank you very

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 1   much.  Let me just build on what you said, Martha,

 2   I think we need to put a link on the

 3   songscommunity.com to the evergreen source of the

 4   water quality reports, and maybe if we can get

 5   that information quickly, let's put that as a

 6   footnote too in the one page key takeaways

 7   document that we produce after these meetings the

 8   next day.  That way people can see.  I think it's

 9   a really good idea from the public.  We've had a

10   lot of good ideas like this.  For example, the

11   perimeter radiation monitoring system that came

12   entirely from the public, and then it was then

13   turned into pretty effective, and I think very

14   responsive radiation monitoring program.

15          Let me just say three things.  I'm kind

16   of triggered by the comments about Paul Blanche.

17   First, I don't think it's really appropriate to

18   talk about the merits and demerits of an

19   individual person, what their background is and

20   how many years of experience they've had.  There

21   are a lot of people that have a lot of experience

22   in here.

23          I do think what Cathy Iwane said in her

24   remarks is very helpful, a good solution.  Some

25   folks in the community want to hear from Paul
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 1   Blanche.  That's terrific.  They got a meeting on
 2   May 23rd.  If somebody can send us a copy of that
 3   flier or other announcements for that meeting,
 4   make sure we get those circulated to the CEP, put
 5   on Songscommunity.com so more people know about
 6   this.  It's fantastic.  It's a really good idea.
 7           Second of the three things I wanted to
 8   say about the agenda.  I think where the comments
 9   about Paul Blanche feed in is what are some of the
10   topics that the public wants to have engage with
11   expertise, and some of the things that Paul
12   Blanche have raised relate to topics like flooding
13   at the ISFSI, we had a discussion about this, NRC
14   oversight.  That's really an NRC matter although
15   NRC has weighed quite extensively about this,
16   other kinds of risk including Tsunamic risks to
17   the ISFSI, and we've talked about this
18   extensively, and it's on the agenda regularly.
19           And so I was a little concerned to hear
20   remarks like the agenda is closed or not available
21   to the public.  We several times a year put up a
22   list at the end of our meeting say, Hey, here's
23   what we're thinking about for a possible agenda
24   items for the future, anyone has any input, let us
25   know.  And we got some input here and there, but
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1 frankly, not a lot of input.

 2   One of the things we've been doing as

 3 members of the CEP is guiding the agenda so we

 4 responsive to the community, and we also deliver

 5 at least once a year a discussion about the long

 6 term stewardship of the ISFSI.

 7   Last thing I'll say is I heard what

 8 Mr. Langley said about opening up the CEP meetings

 9 to debate and so on. We've done that many times.

10 We did that in an unprecedented discussion way

11 back in the beginning when it came to identifying

12 the vendor or the technology for the new ISFSI

13 there. Nobody has ever had a meeting like the one

14 we had where we had brought in both vendors and

15 had them talk about the merits and demerits of

16 different kinds of strategies.

17   We took a -- we had a meeting, a

18 nonclassified meeting about terrorist risk to the

19 ISFSI, never happened before, to my knowledge. We

20 had a whole bunch of members of the community

21 contribute to the agenda for that. I think Gary

22 Headrick and many others were involved in those

23 meetings. We took a six months, if I remember

24 correctly, of repeated meetings and we had a

25 pandemic along the way, six months of preparation

of identifying questions, identifying experts,

making sure we didn't have all the same experts

but we had counter-posing views and debate. We

did all with like a five-hour meeting. It was

heavily attended, it's all on the web, so I'm a

little astonished by the comment, frankly, because

we've been trying to do exactly what Mr. Langley

has implored us to do.

MARTHA McNICHOLAS: And I apologize for

skipping over Nina Babiarz, but she had some of

the same issues as Charles and about open dialog

and what the charter is from Edison on CEP, and to

my knowledge, I think that's part of the -- and

maybe I'm not the one to comment on this, that's

pretty much best practice for any decommissioning

plant is to have a community engagement panel.

How those are chosen or how they're operated, I

think vary from state to state or operator to

operator. I'm only familiar with one other one,

and that was the Humboldt Bay Plant, and that's

operated differently than this one.

Doug, do you know a little more about

that, can you --

RON PONTES: About Humboldt Bay or --

MARTHA McNICHOLAS: No, about the

1　operation of the CEP and how, you know, I think

2　your comment about volunteers chosen and -- I

3　guess as a member of the CEP, I think we all

4　represent a variety of stakeholders, and we aren't

5　employees or necessarily fans of Edison, and we

6　bring what our constituents or what we hear in the

7　public, try to bring things up. For instance, our

8　two new San Clemente representatives.

9　　　　　DOUG BAUDER: I think my point of view

10　there is CEP is built to provide an open dialogue

11　between the utility and community, and we expect

12　challenge by the CEP, by the panel itself, we get

13　it, and we want to be very open with what's

14　happening at the station.

15　　　　　And, you know, that's you see Ron here

16　tonight who talked not just about the good with

17　respect to what we do environmental but about this

18　issues that we've had, couple of exceedances that

19　we've had, how we communicate to the San Diego

20　Quality Water Control Board, what we do about it.

21　He talked about concrete dust in detail about what

22　happened there, because we want challenge from the

23　panel, we want the community to know, and so

24　that's why I look at the fundamental purpose.

25　　　　　MARTHA McNICHOLAS: I guess one of my

1 questions with regard to one of Nina's comments

2 was that a CEP panel member was removed, which I

3 don't know of any CEP panel member that has been

4 removed.

5   DAN STETSON: David, do you want to

6 address that?

7   CHAIRMAN DAVID VICTOR: Nina said I had

8 the person removed, unless I had an out-of-body

9 experience, I'm not involved in choosing the CEP

10 members, and I believe in the case we're thinking

11 about, and I forget the name off the top of my

12 head, I'm having a senior moment here, it's after

13 11 o'clock at night in DC, that was a member who

14 was chosen by her community, her elected official

15 from the community, and the community chose

16 somebody different.

17   Isn't that of the kind of idea is that

18 individual communities are all in various ways

19 affected by this. They choose individual members

20 who are on the CEP, just like folks sitting around

21 the table tonight, and the community chose

22 somebody different. I had no involvement with

23 that process.

24   MARTHA McNICHOLAS: Okay.

25   DAN STETSON: Victor, can you add onto

1   that, please.

 2   VICTOR CABRAL: First of all, we're

 3   elected by the city, and then among the members of

 4   the city council, they choose one of us to be a

 5   representative and one of us to be an alternate.

 6   Other than that, I have no relationship with the

 7   this organization other than being appointed by my

 8   colleagues on the San Clemente City Council.

 9   DAN STETSON: So SCE didn't necessarily

10   pick you, they went to the city, and you were the

11   one that won?

12   VICTOR CABRAL: Yes. I wouldn't say won

13   but --

14   MARTHA McNICHOLAS: I think that's all

15   we've got on questions or comments, unless there's

16   anything else from the CEP.

17   DAN STETSON: Any other members here from

18   the CEP who would like to make any comments or

19   anything?

20   ALYSSA NAPURI: Nice to meet all of you.

21   My name is Alyssa Napuri. I'm Katrina Foley's

22   deputy chief of staff, and I have the lucky draw

23   of covering both Dana Point Harbor and SONGS, as

24   well as our climate change portfolio and our

25   transportation portfolio. So if you see anything

1   happening in Orange County, we just have our

 2   railroad tracks falling into the ocean, the

 3   decommissioning of SONGS, and the revitalization

 4   of the harbor. So it's been a pretty fun couple

 5   of months.

 6   The supervisor is really sorry to not be

 7   here today. She had an OCFA meeting. She doesn't

 8   take nights off. If you ever see me here, you

 9   know she has some other previous scheduled meeting

10   on her calendar.

11   She wanted me to share that she's excited

12   to serve on the CEP, as well as co-chair of the

13   Spent Fuel Solutions coalition and, again, we're

14   going to learn all these acronyms, because I just

15   learned ASFSN, and now we've changed it.

16   But you know, one of the key tenants of

17   the supervisor's whole service is transparency and

18   accessibility whether we agree or not on every

19   issue, feel free to reach out to our office. Our

20   phone number for anyone that's here -- we'll also

21   have this public -- is 714-834-3550, and as a

22   millennial, that's one the four numbers that I

23   have memorized. So you should know that's pretty

24   easy.

25   Also, her e-mail, her direct e-mail she

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 1   replies to this much more than the other stuff

 2   that gets the e-mail as well, is

 3   katrina.foley@ocgov.com.

 4            One of the previous speakers said they

 5   reached out to both of the co-chairs of the

 6   coalition, so I reviewed all the e-mails we've

 7   received, and I didn't see a copy, but there was a

 8   big transition period from November to February

 9   when we became the co-chairs of this coalition, so

10   I want you all to know if you're here, you can

11   have my contact information as her staffer

12   dedicated to this, and we're available for any

13   questions and feedback that you have.

14            So we're excited to be here and serve on

15   the commission or the coalition or the CEP with

16   everyone here.

17            DAN STETSON:  Great.

18            Mike, so any last comments or thoughts?

19            MIKE BALSAMO:  Thank you for having me.

20   I'm proud to represent the South Orange County

21   coalition.  I don't have any other comments.  I

22   appreciate everyone's interest and passion on the

23   issue and look forward to learning more over time.

24   Thank you.

25            DAN STETSON:  Marni, anything that you
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1 would like to add?

 2   MARNI MAGDA: Thankful to be here and

 3 having everyone work hard to come up with

 4 solutions.

 5   DAN STETSON: I think that concludes

 6 public comment, and if there are any questions

 7 afterwards, we'll remain up here for anyone in the

 8 audience who would like to come and speak to us

 9 after the meeting ends.

10   GARY HEADRICK: (Unintelligible.)

11   DAN STETSON: Go ahead, Gary.

12   GARY HEADRICK: I don't know if they can

13 hear me. Thank you for allowing me this. I

14 wanted to clarify the question Cathy Iwane was

15 presenting, and I think it might be misunderstood

16 by Doug Bauder, because the situation, as we

17 understand it, is you either have a spent fuel

18 pool or you have to have a dry transfer facility.

19 What we're asking for what's the licensed

20 amendment that allows you to destroy the spent

21 fuel pool but not have a hot cell, the dry

22 transfer facility, because it's required that you

23 have either one?

24   DOUG BAUDER: Actually, it's not.

25 There's no requirement for a dry cask facility in

1   order to manipulate or do anything with canisters

2   once they're safely stored. It is not

3   something -- it's not something that would we

4   totally exclude in the far future if there was an

5   issue that developed, but there's no license

6   requirement for it.

7   GARY HEADRICK: So you're going to

8   destroy the spent fuel pools, and if something

9   doesn't go exactly as planned, we have no plan B

10 in action, we would have to wait until you solve

11 the problem while a canister is leaking; is that

12 right?

13   DOUG BAUDER: I tried to address this in

14 terms of the low probability of a canister issue,

15 the inspection protocol that we have which

16 involves robotics and other methods and then the

17 overlay process we would use if we found a defect

18 to get out in front of it. These are things that

19 we can do under our existing programs without a

20 license amendment.

21   GARY HEADRICK: A lot of times --

22   DAN STETSON: Gary, if there's --

23   GARY HEADRICK: I want to clarify, a lot

24 of times our questions are considered not

25 credible, whether it's terrorism or whatever, I

1 think your answer is not credible. Thank you.
 2   DAN STETSON: Thank you very much, Gary.
 3 And thank you, Doug, for that. If there's any
 4 other questions if you want to come up after the
 5 meeting, the members here will be happy to go
 6 ahead and answer them.
 7   If we can go ahead and move to the next
 8 slide if we could, please. And, Doug, would you
 9 like to.
10   DOUG BAUDER: Sure, thanks, Dan.
11   I want to, first of all, thank the staff
12 and the folks who put the meeting on tonight.
13 Takes a lot of effort, audio/visual, have a hybrid
14 meeting like this, it's nice to see it.
15   I want to reflect on it seemed like the
16 dialog, Dan, the back and the forth with the
17 challenge was more real time, and it was better
18 then when we're all online. That's what I'll say
19 about that. I appreciate that as well. It's nice
20 to see people in person.
21   I'll go back to our purpose here, which
22 is to be open about our successes and challenges
23 in decommissioning, and we will continue to do
24 that to the very end, and we will follow the three
25 principles I discussed which have to do with

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 1   safety, stewardship, and engagement, and this is

 2   one of the most important pieces of engagement

 3   that we do.  Thanks.

 4          DAN STETSON:  Thank you, Doug.  If we can

 5   move onto the next slide.

 6          And David and I are going to team up here

 7   on some of the key takeaways.  First of all, with

 8   reference to some of the things that resonated

 9   with me is that the decommissioning seems to be

10   proceeding on track, on budget.  It's great there

11   have been no further injuries since the incident

12   that took place close to a -- actually more than a

13   year ago.

14          There's been two things that have popped

15   up, one where there was a small oil leak, and then

16   there was also the failed test with the sea

17   urchin, and both of those were addressed.  We

18   appreciate that those were presented to us in a

19   transparent fashion and that Southern California

20   moved forward to address those and make sure they

21   were corrected.

22          Also, I think really something that

23   resonated with me, even though there have been

24   changes in the exclusion and the controlled areas,

25   even though I really didn't -- even though it's
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1   been explained to me two or three times, I didn't

2   fully understand the whole thing, but the part

3   that I do understand is that there's been no

4   relaxation in the amount of safety requirements

5   and that those are still in place.

6   So, David, if you could help me with all

7   the different pieces that I've missed.

8   CHAIRMAN DAVID VICTOR: I'm delighted to

9   be in your slip stream. Let me first echo Doug's

10 comment on the value of present humanity, and I

11 regret not being there in person, because there's

12 nothing like meeting in person, having a chance to

13 talk about things and go back and forth. So I

14 really want to us to continue moving in the

15 direction of in-person meetings.

16   In terms of takeaways, I think I'm going

17 to say four things, possibly five things. We're

18 in inflationary times these days. First, is we're

19 building a coalition with the benefit of spent

20 fuels solutions group and the various communities

21 around the country that we reached out to. I

22 think we need to tell the public about one of the

23 outcomes -- one of the discussions was today.

24   Second is exactly the point you made in

25 the beginning, Dan, which is about making a lot of

1 progress. I was really struck that about half of

2 the ground structure will be done and also the

3 greater than class C will be completed by late

4 this summer. That's a huge milestone in addition

5 to being on budget and on schedule. Those

6 particulars seem to be very important. That's the

7 second point I want to make.

8   The third is to echo something you said,

9 Dan, which is the footprint, the exclusion zone

10 footprint is shrinking, attention to safety is

11 not. I found tonight to be extremely helpful, in

12 particular, to the point that was made that during

13 operation -- during the operations of the plant

14 there were more than 80 scenarios by which a bad

15 thing could happen on the plant, now there are

16 three, and none of them result in the radiological

17 release outside of the boundary and that's the

18 logic, that's risk-based, science-based logic. We

19 say in so many areas of life vaccines, climate

20 change, we talk about science. Here is science

21 talking about risk. That seems to be a pretty

22 important point. That's third point out of the

23 takeaways.

24   The fourth point is an update on the

25 environmental issues. I think it's worth us

1   mentioning in this kind of summary that comes out

 2   of today's meeting, that there's an extensive

 3   environmental testing program. Let's have a

 4   footnote, if we can, to where people can get more

 5   information including test results. I that was a

 6   very helpful comment. And we ought to have a

 7   little summary of where we are with the permits

 8   that failed, oily discharges, and so on so people

 9   have the sense of what the plan is on that,

10   because I have no doubt members of the public will

11   hear about that, and they should get more

12   information about it if they want it.

13   Those are the main takeaways that I took

14   from it, very much resonating with what you said,

15   Dan, so thank you very much.

16   DAN STETSON: Move onto the next slide,

17   please.

18   David, do you want to touch on these?

19   CHAIRMAN DAVID VICTOR: This is our

20   secret agenda for the rest of the year. This is

21   the agenda that has emerged over the course of the

22   discussions that we have every year about what

23   should be in the agenda for the next year. We had

24   a meeting on environmental stewardship. We have

25   one about once a year, including an update on the

1   Wheeler Reef. I appreciate there's a meeting

2   coming up about that, so I'm looking forward to

3   hearing more about that.

4   We have a couple of so-called

5   consultation meetings where the CEP members get

6   together and talk about what they're hearing about

7   the plant and what we can do to improve our

8   meetings and so on.

9   Second quarter meeting will be, because

10 so many people have expressed interest in the

11 federal program in this area, and we're going to

12 have a meeting on the federal program. I believe

13 we invited the key person at the Department of

14 Energy to come to that meeting to talk about the

15 funding program and what their interim storage

16 ideas are and things like that. By then this

17 coalition should be further advanced with real

18 talking points, and we should have somebody from

19 our coalition talk about that as well.

20   The third quarter meeting is an update on

21 where we are with the decommissioning process, not

22 just a short summary, what Doug gave in the

23 beginning, Doug and Vince gave in the beginning,

24 but a whole meeting focused on that with

25 decommissioning solutions there to talk about what

1   they're doing, what they're learning and so on.

 2   And then the fourth meeting of the year

 3   is the defense-in-depth meeting that we promised,

 4   because the public has asked for it, quite

 5   rightly, and we agree, and I think everyone in the

 6   panel has agreed this is a good idea, have once a

 7   year an update on where we are on same major topic

 8   related to the defense-in-depth so that we have

 9   confidence that this spent fuel, so long as it

10   stays here, it's safe, and that's what the fourth

11   meeting is.

12   That's the plan for this year. And if

13   people have disagreements or other ideas about the

14   plan, I'd love to know about them, I'm sure other

15   members of the panel would love to know about them

16   and in the world of tradeoffs, we'll talk about

17   what should be done, so thank you.

18   DAN STETSON: And let's move onto the

19   what I believe is the final slide. So we want to

20   thank everyone. Also real quickly, in addition to

21   the for those of you who are new in the CEP in

22   addition to the meetings that we have on a

23   quarterly basis, as David mentioned, we often had

24   other meetings. We had tours down to Scripps

25   Institution of Oceanography, and we've have other

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 1   meetings that have been specifically focused on

 2   certain areas of interest to the public.  And as

 3   things come up, I'm sure in the future we may have

 4   some of those as well.

 5              Once again, I want to thank all of you

 6   for attending, I want to thank my fellow members

 7   on the CEP, I want to thank the staff here for

 8   Southern California Edison, for all of those

 9   behind the scenes that have made this possible,

10   those who are attending at home and certainly

11   those who are here in person, thank you very much

12   for your attention and your patience and really

13   let's help Supervisor Desmond as he makes his move

14   to senator.  Thank you all.

15              (Meeting Adjourned)

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