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CEP REGULAR MEETING
SONGS DECOMMISSIONING AND
ENVIRONMENTAL STEWARDSHIP

Via Microsoft Teams, Thursday, December 2, 2021

TRANSCRIPT OF MEETING
DECEMBER 2, 2021

Reported by:
Denise Herft, CSR #12983
Assignment #4470247
Pages 1 - 108

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 taken via Microsoft Teams commencing at 5:30 p.m.,
11 Thursday, December 2, 2021.
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1 COMMUNITY ENGAGEMENT PANEL MEMBERS:

2 CEP CHAIRMAN - DR. DAVID G. VICTOR
UNIVERSITY of CALIFORNIA, SAN DIEGO

3
4 VICE CHAIRMAN/TRUSTEE-EXECUTIVE DIRECTOR - DAN
STETSON, THE NICHOLAS ENDOWMENT

5 CEP SECRETARY/TRUSTEE - HON. MARTHA McNICHOLAS
6 CAPISTRANO UNIFIED SCHOOL DISTRICT BOARD OF
TRUSTEES

7 HON. JOHN TAYLOR - SAN JUAN CAPISTRANO CITY
COUNCIL (Not Present)

8
9 HON. MICHAEL VILLAR - DANA POINT CITY COUNCIL

10 HON. CHRIS DUNCAN - SAN CLEMENTE CITY COUNCIL
(Not Present)

11 MICHELLE ANDERSON - ORANGE COUNTY SHERIFF'S
DEPARTMENT, EMERGENCY MANAGEMENT INTERIM DIRECTOR

12
13 SCOTT KIBBEY - CALIFORNIA STATE PARKS
SOUTH SECTOR SUPERINTENDENT

14 GARRY BROWN - ORANGE COUNTY COASTKEEPER

15 CAPTAIN MEL VERNON - SAN LUIS REY BAND of MISSION
INDIANS

16
17 TYLER DIEP - SUPERVISOR 5TH DISTRICT - COUNTY OF
ORANGE

18 KRISTAL JABARA - SUPERVISOR 5TH DISTRICT - COUNTY
OF SAN DIEGO

19
20 VALENTINE "VAL" MACEDO - LABORERS' INTERNATIONAL
UNION OF NORTH AMERICA, LOCAL 89

21 ROB HOWARD - CITY OF OCEANSIDE REPRESENTATIVE

22 SAM JAMMAL - CAMP PENDLETON

23 MIKE BALSAMO - SR. VP, GOVERNMENT RELATIONS RANCHO
MISSION VIEJO AND SOUTH ORANGE COUNTY ECONOMIC
24 COALITION BOARD MEMBER

25 TED QUINN - AMERICAN NUCLEAR SOCIETY

1 SOUTHERN CALIFORNIA EDISON SCE REPRESENTATIVES:
2 DOUG BAUDER - CHIEF NUCLEAR OFFICER (CNO) (Not
Present)
3 VINCENT BILOVSKY - DIRECTOR DECOMMISSIONING
PROJECT
4 RON PONTES - GENERAL MANAGER, ENVIRONMENTAL/WASTE
AND RADIATION PROTECTION
5
6 SCE AND SDS PRESENTERS:
7 MANUEL CAMARGO - The Big Picture
VINCENT BILOVSKY - Decommissioning Update and
8 Environmental Intro slide
SARAH ROBERTS (SDS) - Environmental SDS Guest
9 Speaker
10
11 Guest Presenters:
12 REP. MIKE LEVIN - California Congressman (D-CA)
KRISTAL JABARA - San Diego Board of Supervisors
13 (District 5)
14
15 PUBLIC COMMENT PERIOD
16 PAGE LINE
17 (None)
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1 Via Microsoft Teams, Thursday, December 2, 2021

2

3 CHAIRMAN DAVID VICTOR: My name is David
4 Victor. I'm the chairman of the community
5 engagement panel. Today is December 2nd. The
6 meeting is being recorded, as is our custom.

7 I want to thank all of you for joining
8 us. First a word on safety. We are once again
9 conducting a CEP meeting virtually due to the
10 pandemic. Last meeting we were monitoring Delta,
11 now we're monitoring Omicron. It seems like we're
12 cruising right through the Greek alphabet. I
13 don't know if we run out of letters, if we start
14 naming them after hurricanes at that point or what
15 we do, but please follow guidance from your local
16 public health officials with regard to safety and
17 the pandemic.

18 I can speak personally. I'm calling in
19 from a hotel room Newark, New Jersey on my way to
20 Norway, and just the last 24 hours things are
21 changing. Please pay close attention and be safe.

22 I want to remind everybody that the
23 Community Engagement Panel is an engagement. It
24 is not a decision making body. It's designed as a
25 two-way conduit to help the operators of the plant

1 as its decommissioned, understand what the
2 communities are affected by decommissioning what
3 they care about, what they're concerned about, and
4 vice-versa.

5 The slides for tonight, the PowerPoint
6 slides for tonight there are many, which there
7 always are were posted last Wednesday as a
8 preview. I want to thank Julia Martinez for her
9 help tonight in advancing those slides for us, and
10 also want to thank, as always, Lorraine Sandstrom
11 and Manuel Camargo and their colleagues for all
12 the work they do to help make these meetings
13 possible.

14 Go to the next slide, please. Quick
15 overview for the agenda for tonight, very brief
16 opening comments, then we're going to have an
17 update from Mike Levin on the federal situation,
18 and Kristal Jabara on the Action for Spent Fuel
19 Solutions Now coalition that was previously an
20 idea and is now a reality and is doing a lot of
21 things. We'll hear from Kristal about that.

22 After that we'll have some community
23 updates, general community updates from the three
24 members of the executive committee, Community
25 Engagement Panel. Then we're going to turn to

1 Vince Bilovsky of So Cal Edison who is going to
2 update us in recent and upcoming dismantlement
3 work and show us some pictures and so on.

4 Then we'll be turning to the main subject
5 for tonight, which is environmental stewardship
6 and the years' long effort to clean up the site
7 and return it to the U.S. Navy. And Vince is
8 going to help us put some context around that
9 then.

10 We'll be joined by Sarah Roberts who is
11 vice president for decontamination and
12 dismantlement radiation programs for Energy
13 Solutions. Energy Solutions is the contractor who
14 is doing the bulk of the work and overseeing the
15 bulk of the work with regard to the
16 decommissioning process.

17 Sarah is a recognized expert in this
18 field. I really appreciate, Sarah, you joining us
19 especially because you're also on the East Coast
20 time and it's getting late here.

21 For members of the CEP if you have a
22 comments during the presentations, just unmute and
23 chime in or I'll see you on screen that you've
24 unmuted, and I'll give the floor to you.

25 For members of the opening -- of the

1 public, we have a one hour period at the end, at
2 least one hour period at the end, dedicated to
3 public comment, and you can make a public comment
4 during that period and get yourself on the list.
5 I think we have some information about that in
6 just a moment about how to get on that list. I
7 see one name on the list, Denise Erkeneff already.
8 I hope there will be others as well.

9 If we can go to the next slide, please.
10 So just some opening comments. I think here
11 you're going to see in the next slide directions
12 for how you can participate in the public comment
13 period. You could have up to two days before the
14 meeting to send an e-mail, and during the meeting
15 you can submit comments during -- with the CEP
16 public comment form, and I'll get you on the list
17 to make a public comment, and when we get to that
18 stage Dan Stetson and Martha McNicholas will
19 facilitate a discussion that gets those questions
20 that are raised answered.

21 And to sign up you can click on the CEP
22 public comment form. I think I'm going to ask if
23 there's a way for us to put into the chat the
24 information about the link so people can go to the
25 chat and click on the link. If you have the

1 slides, you have them electronically, they're also
2 posted on songscommunity.com you can click on the
3 link there. Let's find some other ways to get
4 that link up including in the chat. We'll work on
5 that in just a moment.

6 I want to turn the floor now over to
7 Manuel Camargo who is going to make a few comments
8 about tonight's meeting, and Manuel is stepping in
9 tonight for Doug Bauder, who is out of the country
10 and unable to join us.

11 So, Manuel, I want to thank you for
12 stepping in and give the floor to you now.

13 MANUEL CAMARGO: Thank you, David. So
14 just a word here on the main topic for tonight
15 from our perspective here at SCE. So you're
16 talking about site restoration, and here you see
17 the California gnat catcher, one of the endangered
18 species that we are mindful of here on the
19 property.

20 So in terms of site restoration, it's
21 really about cleaning up the site as you
22 mentioned, as David mentioned, this is about being
23 prepared to turn the land over to the Navy.
24 You'll hear from Sarah Roberts our guest speaker
25 that there are a variety of cleanups scenarios

1 that are available to us from the NRC, and we
2 chose the highest and cleanest level of scenarios
3 for the cleanup for this particular site.

4 It's called Resident Farmer, that is not
5 to say that the U.S. Navy is going to turn this
6 spot into a farm but rather that in the end, if
7 you will, it will be done in a manner that the
8 Navy will be able to use it for any purpose that
9 it wishes to do so.

10 There are other scenarios, such as
11 industrial, which don't count on folks doing
12 things like living off the land. It really is the
13 cleanest of the various scenarios that are
14 available to us.

15 This whole cleanup process is
16 complicated. It takes many, many years to
17 accomplish, but we wanted to take the time tonight
18 to at least start that conversation with you all
19 and with the public here, and if needed, we can
20 return to this topic again in the future.

21 In the end our commitment here is to
22 restore the land, stabilize the site, and be in a
23 position to return the land to the Navy, of course
24 that will be after we are able to remove the spent
25 fuel from the site as well.

1 So, David, that's all I wanted to cover
2 so I will turn it back to you.

3 CHAIRMAN DAVID VICTOR: Excellent. Thank
4 you very much.

5 Well, let's get right into our agenda,
6 and it's really my great pleasure to welcome the
7 honorable Mike Levin whose district includes San
8 Onofre. Representative Levin has taken a keen
9 interest in all the issues around the plant, and
10 particularly the issue that is in front of us all
11 the time, which is how we're going to move the
12 spent fuel out of here in a way that allows for
13 consent also allows for some action, and that
14 ultimately is the matter of the federal government
15 on the issues of appropriations, on the issues of
16 environmental oversight, on issues in changing
17 federal law that will allow for interim storage
18 and so on. All topics that Representative Levin
19 has been centrally involved.

20 Without further delay, I want to give the
21 floor over to Representative Levin who is going to
22 make a few remarks and see if members of the CEP
23 want to ask questions or make comments and so on.

24 Representative Levin, the floor is yours.

25 REP. MIKE LEVIN: Well, thank you very

1 much, David. It's great to see you. Greetings
2 from Washington D.C., hi to Dan and the entire
3 Community Engagement Panel, I see a lot of
4 familiar faces for allowing me to join this
5 evening and just share a few words.

6 I think it's fair to say that we all
7 recognize the current system of spent nuclear fuel
8 storage in the United States is not sustainable,
9 perhaps an under statement, and that is
10 particularly true for sites like ours that no
11 longer have operating reactors and can be
12 redeveloped for other beneficial uses.

13 It's also in my view a violation of the
14 promise we codified decades ago that the
15 federal government would take title to the waste
16 and return for ratepayers contributions to the
17 Nuclear Waste Fund. In my view for far too long
18 we've seen this issue get bogged down in political
19 battles and do all the amount of spent nuclear
20 fuel be stored at sites across the country
21 continues to grow. In fact, nationally there are
22 over 86,000 metric tons of commercial spent
23 nuclear fuel stored at onsite operating and closed
24 nuclear plants. As the amount of spent fuel
25 continues to increase, it's clear we got a

1 breakthrough this political log jam and start
2 making progress on this longstanding issue.

3 Of course locally our situation in
4 Southern California paints a clear picture as to
5 why that's needed, why we need to develop a long
6 term solution or spent nuclear fuel challenges.
7 Not only is SONGS situated adjacent to Camp
8 Pendleton, but it's also located across from the
9 Pacific Ocean or along the Pacific Ocean in an
10 area that we all know has high vulnerability to
11 seismic activity, and is one of the highly
12 populated regions in the United States.

13 So all of these factors make SONGS a
14 particularly challenging location to store spent
15 nuclear fuel, and I think it's important that we
16 acknowledge these challenges and the risks when we
17 talk to the public about spent nuclear fuel. They
18 shouldn't be exaggerated, but they also can't be
19 swept under the rug, and I have belief and
20 continue to believe that honesty, honesty is the
21 best way to earn the public's trust as we pursue
22 solutions for spent fuel.

23 While the challenges at SONGS are unique,
24 commercial spent nuclear fuel is stored all across
25 the country at 75 operating or shutdown nuclear

1 plants in 33 states, and storing this fuel at
2 these sites across the country in perpetuity is
3 simply not a tenable situation. It's not one
4 these communities signed up for when they agreed
5 to host a nuclear power plant.

6 Further, as I mentioned before, simply
7 does not align with congressional intent under the
8 Nuclear Waste Policy Act, which set a January 1998
9 deadline. I don't know you all were doing in
10 January 1998. I was a sophomore at Stanford, and
11 it was quite a long time ago. The government was
12 supposed to start taking title and begin disposing
13 of spent nuclear fuel January 1998.

14 So clearly, the federal government has
15 failed, has failed to meet its responsibility.
16 Recognizing that the current system is broken,
17 recognizing that Washington politics have been too
18 often part of the problem and not the solution,
19 that's what we are trying to do today in congress.
20 That's why my good friend Rodney Davis, republican
21 of Illinois and myself decided to form the spent
22 nuclear solutions caucus.

23 So the caucus seeks to bring new people,
24 new elected officials into the room to finally
25 address the challenges that are associated with

1 stranded commercial spent fuel, and I make that
2 distinction between commercial spent fuel and
3 other military fuel and so forth.

4 It's a forum for members who care about
5 these issues and we do not -- I think this is an
6 important point -- we do not come to this work
7 with a political agenda or any preferred solution,
8 but rather to create opportunities to coalesce
9 around promising ideas. So we're now at 16
10 bipartisan members and counting. I hope I can
11 come visit with you in six months and it's more
12 members and six months after that, more members,
13 you know, eventually we build a critical mass
14 particularly of the newer members of congress who
15 haven't engaged in this issue.

16 We had our first meeting of the caucus
17 about a month ago, and we're working on future
18 events, which I'm very much looking forward to.
19 And I think we would all acknowledge that we have
20 all the technology we need to solve this problem
21 today, what we lack is the political solution.
22 And my great hope is that this bipartisan caucus
23 will be a key driver in developing the policies
24 that we'll need and also to help restore some
25 public confidence in the federal government's

1 ability to advance and responsibility manage a
2 comprehensive spent nuclear waste management
3 strategy.

4 So given the need to restore public
5 trust, I think one of the very important things
6 we're trying to do is break the gridlock on
7 consent-based siting. In order to develop any
8 long term solutions, we got to get buy-in from
9 local communities might be willing to host say an
10 interim storage site.

11 Empowering local communities and giving
12 them skin in the game when it comes to spent
13 nuclear fuel, I think will be a key way to help
14 move us closer to a fair deal for storage and
15 disposal. I recently introduced legislation the
16 Nuclear Waste Task Force Act of 2021 that will do
17 just that.

18 The bill directs the federal government
19 to explore the concept of empowering states to
20 perform environmental review of the transport
21 siting and storage of spent nuclear fuel. My
22 strong belief enabling consent-based storage is
23 key to help us developing real, practical
24 solutions for the long term storage of nuclear
25 waste to avoid future gridlock like what we've

1 experienced. And the task force under the bill
2 will play a critical role in determining how to
3 make that happen.

4 Finally I wanted to discuss a win that we
5 learned about earlier this week, and we knew it
6 was coming, but we were excited to finally see it
7 announced, and that's the efforts of our office
8 and working with our colleagues through the
9 appropriations process to drive forth the
10 development of the facilities for consolidated
11 interim storage.

12 At the end of last year our office had
13 helped secure \$20 million in the fiscal year '21
14 for the DOE to advance its work on CIS. Obviously
15 the interim storage would allow the department to
16 begin the process of removing fuel, reducing risk
17 to the local communities that, as I said before,
18 never agreed to the long term local storage of
19 spent fuel.

20 So developing a permanent repository
21 remains the ultimate goal. I want to be very
22 clear about that. CIS we believe is a key part of
23 an integrated nuclear waste management plan, and
24 it's particularly important to allow the
25 redevelopment of shut down nuclear plants in other

1 parts of the country to facilitate the
2 reestablishment of a tax base for local
3 governments that are struggling after nuclear
4 power plant jobs leave their communities, and for
5 other reasons. It also moved spent nuclear away
6 from, not to be a broken record, but particularly
7 problematic locations like we have at SONGS, and
8 to mitigate the risks associated with locating
9 spent fuel at sites like ours.

10 I'm very glad earlier this week DOE
11 released its request for information, its RFI, for
12 communities that might be interested in hosting a
13 CIS site. The RFI is a critical first step
14 towards breaking the stalemate by collecting
15 information from the communities on the resources
16 and that the information that they will need to
17 get to yes. That's what it's all about. What
18 will it take?

19 I've had discussions with Secretary
20 Granholm and others at DOE about this topic, and
21 we all want to figure out what it will take for
22 one or more communities to get a yes when it comes
23 to hosting an interim storage site.

24 So my hope is we can identify a location
25 or locations willing to take on interim storage,

1 and in so doing, hopefully, avoid the political
2 turmoil we've experienced for far too long.

3 We're all eager to work with our friends
4 at DOE to get the results of the RFI and I'm
5 really hopeful, sincerely hopeful it will move us
6 closer to developing a CIS site as part of a
7 broader nuclear waste management plan.

8 So I have hope to have a lot more updates
9 in the months ahead. There's a lot going on. I
10 encourage you all, I think you know we created a
11 task force which put together a report, which is
12 out there for you all to take a look at, a lot of
13 recommendations in there that we're working on in
14 parallel. I thank you for having me. I thank you
15 or your continued leadership. I look forward to
16 our collaboration in the months ahead.

17 Happy to take had some questions, David.

18 CHAIRMAN DAVID VICTOR: That's great.
19 Thank you very much. I really appreciate that
20 particularly appreciate your insights about the
21 need for us to be working across the aisle. We
22 have I lot of Ds in California, but we need Ds and
23 Rs to make this durable and also appreciate your
24 emphasis on the need for practicable solutions.
25 This is not just a political problem, but

1 ultimately is a political problem, and we've got
2 to find some remedies.

3 I want to see if there are any comments
4 or questions from the CEP. I've got a couple, but
5 I'm going to hang back until I see whether anybody
6 else would like to take their microphone off and
7 ask Mike Levin any questions.

8 Dan Stetson, the floor is yours.

9 REP. MIKE LEVIN: Hi Dan.

10 DAN STETSON: Hi Congressman. First of
11 all, I want to thank you for all of your efforts
12 in this. I think all of us appreciate the hard
13 work that you're doing.

14 My question to you is really two
15 questions, do you have any suggestions for us in
16 terms of what we can do on an individual basis or
17 what even the CEP could do to help advance the
18 agenda that you're putting forward?

19 REP. MIKE LEVIN: Well, thank you for
20 that question, Dan, and thank you for your
21 leadership in our community for many years.

22 I would suggest that in the very near
23 term everybody take a look at that RFI, and if you
24 know of any local governments out there that might
25 be interested, now would be a great time to engage

1 with them. Just the same I encourage you to keep
2 a close eye on our caucus. Many of you know other
3 members that, and we can send the list around, in
4 fact, I think we published it of the members that
5 are on, most of Orange County, I think everybody
6 from San Diego County has joined but trying to get
7 more members for that caucus is good, republicans
8 and democrats alike.

9 Finally, I would encourage you to take a
10 look, if you haven't, at the report that our task
11 force put together. We released, I think you
12 already have, but if anybody on the Zoom hasn't or
13 anybody in the community hasn't, I think we
14 obviously would appreciate your feedback on that
15 as well.

16 CHAIRMAN DAVID VICTOR: Let me just
17 before we go to Ted Quinn, can I build on Dan's
18 question, are there particular things you would
19 like to see from this coalition that's now
20 emerging, we're going to hear from Kristal Jabara
21 works with Jim Desmond in just a moment about this
22 local coalition, but as someone in Washington but
23 who knows the local community as well, what would
24 you like to see us doing here locally that's going
25 to help you and your colleagues build a stronger

1 coalition in Washington?

2 REP. MIKE LEVIN: Well, I think, David,
3 it's about trying to coalesce around some creative
4 solutions, trying to breakthrough the political
5 gridlock and that will mean that external groups,
6 whether they be in Southern California or
7 elsewhere, would be of great assistance. Believe
8 it or not members of congress actually do listen
9 to their constituents. I know that's a crazy
10 suggestion, but the more public sentiment that is
11 in different communities around the country where
12 this is a problem, the better. Organized -- being
13 organized is vital to that effort.

14 My great hope is that what's being done
15 at SONGS can be replicated and that that will lead
16 to some consensus around the steps that need to be
17 taken in Washington.

18 CHAIRMAN DAVID VICTOR: Thank you very
19 much. We're going to go to Ted Quinn and then
20 Martha McNicholas.

21 Ted, the floor is yours

22 REP. MIKE LEVIN: Hi Ted.

23 TED QUINN: Hi Congressman. I was really
24 proud to see you this morning give a plenary talk
25 along with your co-chair Congressman Davis.

1 I want to ask the work that was done in
2 the interim storage, the consent-based siting in
3 2015 to 2017, which many of us from this area
4 participated in. I see the secretary of energy
5 and all focused on advancing that work that was
6 done after the blue ribbon, and I'm hoping that
7 your caucus can stay close to the technical
8 issues. I know it's not technical, but I think
9 the siting issues that had gates, and I hope
10 you're able to apply resources to do that.

11 REP. MIKE LEVIN: Thank you, Ted. I
12 appreciate you watching the ANS presentations this
13 morning, even if Rodney Davis poked a little fun
14 that the republicans beat the democrats in the
15 baseball game. Both played for our respective
16 teams. And David will be happy to know that I
17 wear the UC San Diego Tritons jersey out there.

18 But to your point, Ted, perhaps what
19 would be best if we could have an offline
20 discussion. I have two -- actually three
21 excellent staff, Kyle Krahel, who I think is on at
22 the district level, our district director Oliver
23 Edelson in D.C., and our chief Jonathan Gilbert
24 who has been very engaged in this as well.

25 I would encourage, Kyle, if you're on,

1 circle up with Ted and talk about how we can move
2 forward perhaps on some of the technical specifics
3 as we try to incorporate that into our work of the
4 caucus.

5 TED QUINN: That's great, thank you.

6 CHAIRMAN DAVID VICTOR: Thank you very
7 much. It looks like we have one more question or
8 comment from the CEP, and that's Martha
9 McNicholas.

10 Martha, the floor is yours.

11 REP. MIKE LEVIN: Hi Martha.

12 MARTHA McNICHOLAS: Hi Congressman Levin.
13 I know you mentioned that most of the Orange
14 County and San Diego congressmen are on your
15 caucus. Is there anybody who isn't that maybe we
16 could focus our efforts on?

17 Rep. MIKE LEVIN: We will get you the
18 list. I don't want to call anybody out without
19 having that list in front of me.

20 MARTHA McNICHOLAS: Okay.

21 REP. MIKE LEVIN: It's bipartisan and I
22 think we have everybody, if not everybody, so
23 maybe you can like nudge Ken Calvert I think.

24 MARTHA McNICHOLAS: Okay.

25 REP. MIKE LEVIN: Again, not to call

1 anybody out.

2 MARTHA McNICHOLAS: I've got a meeting
3 with Michelle Steel next week.

4 REP. MIKE LEVIN: Michelle is on it.
5 Michelle and I work very closely on this issue,
6 and you know, spent nuclear fuel doesn't care if
7 your democratic or republican so we obviously can
8 work together.

9 MARTHA McNICHOLAS: I will thank her for
10 joining then. Thank you very much.

11 REP. MIKE LEVIN: Terrific, thank you.

12 CHAIRMAN DAVID VICTOR: Well, thank you
13 very much. I know the plant is in your district,
14 and we have had just a very productive
15 relationship with you personally and your staff.
16 We got to find ways to work together on this
17 issue. I want to thank Mike Levin for joining us
18 tonight, and really look forward to continuing to
19 work with you, so thank you very much.

20 REP. MIKE LEVIN: Thank you, David.
21 Thanks everyone. Happy holidays if I don't see
22 you in the district. Take care.

23 CHAIRMAN DAVID VICTOR: Indeed, happy
24 holidays.

25 So going back to our agenda for tonight.

1 We're going to hear next from Kristal Jabara.
2 Kristal is the community affairs director for
3 County Supervisor Jim Desmond. Jim is very
4 well-known to the panel because he's a member of
5 the panel, and he's also the co-chair for the
6 Action for Spent Fuel Solutions.

7 Kristal, I think you're going to give us
8 an update on what's going on with the coalition
9 and where you think it's headed, and so I'm going
10 to give the floor to you.

11 Kristal Jabara: Thank you, and thank you
12 on behalf of Supervisor Jim Desmond who apologizes
13 for not being able to be here tonight. We
14 appreciate the opportunity to give an update.
15 First, I'll start off with the two co-chairs
16 Supervisor Desmond and Supervisor Bartlett from
17 Orange County did have a meeting recently with the
18 congressman and truly on the side note as a
19 constituent who lives in area, I appreciate how
20 hard the congressman is working to alleviate the
21 problem and move the issue forward.

22 But the two supervisors did meet on
23 November 4th. They discussed the caucus, the
24 congressman's caucus and who is involved and how
25 they can help come alongside, encourage anyone who

1 is on the fences about joining to help encourage
2 them to join. I think that question came up, so
3 similar thinking there.

4 Also discussed the department of energy's
5 RFI, which was released this week but we talked
6 about that a little bit before it was released,
7 and we're able to hear some guidance on how that
8 process goes. That was very helpful.

9 And then just about the aligned
10 importance of the relocating SONGS spent fuel, and
11 like the congressman said he has the task force,
12 the caucus, now we have the Action for Spent Fuel
13 Solutions Now coalition and many other people
14 engaged in working on this issue. So being able
15 to work together and have that support already set
16 up and aligned for when the opportunity comes to
17 have a consent-based storage site.

18 And then also the coalition has been
19 working to pass resolutions, Orange County, San
20 Diego County both passed resolutions with
21 unanimous support. The City of Newport Beach
22 passed a resolution on November 30th and Riverside
23 County Board of Supervisors is considering a
24 resolution on December 7th.

25 Having these resolutions and having the

1 support of the city and the county is crucial in
2 making sure the entire region is aligned and
3 working towards the same goal of the consent-based
4 relocation and advocating through the federal
5 government and that process to make that happen.

6 The coalition's advisory group met on
7 Tuesday, which was the same day that the
8 Department of Energy released RFI so we have a lot
9 to talk about, talked about that process and how
10 the public can comment. I believe they are
11 allowed to comment through March of 2022, so we
12 can get some support and have the people in the
13 community go ahead and make their comments, have
14 our voices be heard. So it was perfect timing for
15 the advisory council to meet.

16 And then I'm looking at the my notes to
17 make sure I hit everything from the supervisor.
18 The current membership of the coalition is at 170.
19 It's growing every week. I think our numbers keep
20 going up. Anyone is able to sign up and be a part
21 of this coalition. It's free. I think the link
22 is right there. The spentfuelsolutionsnow.com so
23 please we encourage everyone to participate.

24 The recent additions to the coalition are
25 the California environmental voters and the mayor

1 of San Diego, so all the support that we're having
2 up and down the coastline from different groups.
3 I know we have tribal nations involved,
4 environmental groups involved, local government,
5 individuals, a lot of experts. So it's really
6 great to see the support.

7 Another side note, I've lived here my
8 entire life. I have always driven past the plant,
9 always been impacted by the plant. So I know a
10 lot of residents feel the same way I do, we would
11 love to see that site restored.

12 This is not just a political issue. This
13 is -- it's a social issue, it's an equity issue,
14 like the congressman said, the promise was made
15 that the federal government would take possession
16 of the fuel and we would love to see that happen,
17 and we think it's great for the environmental
18 justice.

19 We appreciate it on behalf of Supervisor
20 Desmond, we really appreciate the hard work that's
21 being done.

22 CHAIRMAN DAVID VICTOR: Excellent. We
23 very much appreciate your update. Please pass our
24 regards to Jim Desmond and our thanks for your
25 update.

1 I want to see if anybody has any comments
2 or questions. I have one, but I'm going to hold
3 it until I see whether anybody else would like to
4 make any comments or questions from the CEP.

5 And we have -- I want to mention also
6 that you the mention the advisory council Garry
7 Brown, Mel Vernon, Val Macedo and I are on the
8 advisory council from the CEP and appreciate that
9 opportunity to provide some input.

10 Maybe you could say a couple words about
11 your view, Kristal, as to what do we want to be
12 known for in this coalition? It's getting big, a
13 lot of people supportive, not that costly to be
14 supportive. We don't want to be a mile wide and
15 few inches deep. We get to things done. I'm
16 curious as to where the thinking is on what really
17 is a measure of success for the coalition going
18 forward.

19 KRISTAL JABARA: Speaking on behalf of my
20 boss Supervisor Desmond, we've had many
21 conversations about this, I think the coalition --
22 the main goal is to have a collective unified
23 voice as we advocate to the federal government and
24 can have one unified voice on the importance of
25 finding a consent based location for the spent

1 fuel and how critically important it is to our
2 community and other communities across the United
3 States that are in similar situations. And I
4 think a lot of us have experienced that something
5 comes up and maybe we're not prepared, we're not
6 ready, we don't have the voices aligned and the
7 message aligned, and thinking is to have the
8 advocacy in place, the voices aligned, the people
9 aligned so we can really push with this new
10 Department of Energy secretary and hopefully make
11 some headway with the federal government and some
12 changes.

13 CHAIRMAN DAVID VICTOR: Excellent.

14 I think the RFI, the request for
15 information, that this department has put out is a
16 good example of where the coalition could help
17 people understand what our key talking points help
18 makes for some of the messages resonate to pick
19 upon something that Mike Levin said, we need
20 friends in capital hill. I'm not sure it's a hit
21 list from Mike Levin, but we can identify folks
22 who should be supportive in capital hill who
23 aren't, who should be part of Representative Davis
24 and Levin's coalition but aren't. We got to get
25 ourselves kind of organized on many different

1 fronts and show interest and strength about this.
2 I don't see any other microphones that are turned
3 on from the CEP. I think I have seen a lot of
4 nodding heads on the folks whose videos are on. I
5 know there's a lot of support. Very much grateful
6 to you Kristal, for your insights today. Thank
7 you very much.

8 KRISTAL JABARA: Thank you.

9 CHAIRMAN DAVID VICTOR: I want to move on
10 now. There's one more update to this meeting
11 before we go into the major parts of the rest of
12 the substance of the meeting, and I want to see if
13 there are think members of the CEP who want to
14 provide updates they think the community should
15 know about generally with regard to the plant and
16 so on.

17 I've got a couple items I'm going to talk
18 about in a moment, just before I got into the
19 segment where I talk, I wanted to see if there's
20 anybody on the panel who would like to say
21 anything by way of update.

22 Okay. Well, let me jump right in, just a
23 couple slides. First, I want to mention that on
24 18th November I was in Washington for some other
25 activities and spent the day with Amy Pressler

1 from Edison who has been enormously helpful to us
2 in running interference, more than interference
3 strategic advice and her engage with the federal
4 government.

5 Go to the previous slide, please, for
6 just a moment. Exactly the one that has the
7 capital hill on it.

8 We met virtually with staff for Senator
9 Padilla, Alex Padilla. Very important that we
10 have support from the California delegation and
11 Diane Feinstein's office has been enormously
12 supportive over the years. I met by Zoom a few
13 days ago with her new local chief of staff, Amy
14 Pressler, and I met with Senator Padilla key
15 person working in this area. This is very complex
16 stuff, so I think it's very important for us to
17 offer whatever advice and input we can as these
18 issues are addressed on the hill.

19 We also physically met with the chairman
20 of the Nuclear Regulatory Commission Chris Hanson
21 who knows these issues extremely well from his
22 long career on capital hill before his current job
23 running as head of the Nuclear Regulatory
24 Commission. He actually just testified, I
25 believe, it was yesterday in the senate about the

1 question of decommissioning plants. I'll send
2 around in the next circular to the whole CEP a
3 short news article about that.

4 So I think there's growing awareness in
5 Washington about the issues but the key is to put
6 together and hold together the coalition needed
7 not just for ongoing appropriations but also for
8 ultimately changes in federal law that will make
9 it possible to really advance interim storage.
10 That's my update from the Washington side.

11 I want to say a couple words about a
12 meeting that the Community Engagement Panel itself
13 had in October. October 7th we got together in a
14 hybrid meeting we piloted the idea of hybrid
15 in-person and virtual meeting to see how that
16 would work. I think has the pandemic -- everyone
17 is tired of the pandemic but we need to continue
18 to be vigilant, but when we think there's a safe
19 solution, I think we may have a full meeting of
20 the CEP and the public in a hybrid mode after the
21 least initially, we tried this at a smaller scale.
22 We looked back at what's happened in the last year
23 and a half or so, tried to plant forward, looking
24 at in particular subject for the CEP meetings next
25 year. I'll talk about that in just a moment. Got

1 an update on the Action for Spent Fuel Solutions
2 Now coalition, which we just heard about from
3 Kristal Jabara, and so I thought that was an
4 extremely productive meeting. Frankly, it was
5 nice to see people in person after all of us
6 spending so much time in our basement looking at
7 the video screen.

8 Thank you for those of you who are able
9 to join us in person and have that discussion. I
10 want to pause for a moment.

11 Let me first say something about the
12 possible topics for next year, and then I'm going
13 to pause and see if there are other folks on the
14 CEP who have comments about our consultation
15 meeting in October or other subjects they want to
16 raise.

17 If we can go to the next slide, please.
18 This is a draft and we invite feedback, oral, by
19 writing, whatever mode of feedback you want to
20 send on these subjects. So possibly first quarter
21 meeting, an update, in-depth analysis of the
22 dismantlement project, we'll have a much more
23 in-depth analysis where we are and where we're
24 headed on the physical dismantlement of the plant.

25 Second quarter, pick up on the issue of

1 the environmental stewardship. It's been quite a
2 while since we looked at the wetland restoration
3 issues and the Wheeler North Reef. We had a
4 terrific update the last time we looked at that
5 subject. That's a good candidate, and then a
6 meeting, as we have every year, on where we are in
7 defense-in-depth and some aspect of
8 defense-in-depth.

9 I want mention, though, I think we should
10 consider of making the timing of the first quarter
11 meeting in a way that's consistent with being able
12 to have input prior to the 4th of March on the
13 Department of Energy's request for information
14 their RFI, we might want to ask someone from the
15 Department of Energy. And if so, we need probably
16 over my name to get an invitation out to the right
17 person at DOE, ask someone from DOE to join us
18 virtually, talk a little bit about the RFI process
19 and what they're expecting. That's a candidate
20 idea. I think my sense people think that's a good
21 idea, but I would welcome input and comment on
22 that.

23 With that, I'm going to pause now and see
24 if there are any other members of the CEP who
25 would like to provide general updates or insight

1 into the topics that we plausibly have coming up
2 on the agenda for 2022.

3 Martha McNicholas, the floor is yours.

4 MARTHA McNICHOLAS: I don't know if it
5 needs to be specified as a specific quarterly
6 topic, but I hope we get an update on the Action
7 for Spent Fuel Solutions Now, both the coalition
8 locally and Mike Levin's update on the caucus,
9 because if something actually happens in
10 Washington, hopefully that will rise to the top of
11 our interest list.

12 CHAIRMAN DAVID VICTOR: Okay. That's
13 good point indeed. I think we need to certainly
14 make that -- wrap that into whatever discussion we
15 have in the first quarter with regard to things
16 that people should be saying or might want to say
17 in the DOE's RFI process. I want to give the
18 floor now to Ted Quinn.

19 Ted.

20 TED QUINN: Yeah, I think this list is
21 very good. I would like to if you could share the
22 schedule each time with the issues of spent fuel
23 storage in some manner. As far as speakers go,
24 Dr. Katie Huff, the head of the office at nuclear
25 energy and Dr. Kim Petry head, as you know, of

1 waste management part of the DOE, I think would be
2 on site as well as John Kotek, potentially from
3 NEI to come out to -- they have John as been here
4 before, and I recommend David, you consider having
5 both of you come out and spend some time at a
6 discussion, deep discussion on where they can
7 advance the consent-based siting. It would help
8 the coalition as well.

9 CHAIRMAN DAVID VICTOR: Okay. I think
10 that's a terrific idea. I think we should put an
11 invitation out, both for an engagement at the
12 meeting, I think the invitation for the DOE people
13 needs to be distinct to the one to John Kotek at
14 NEI, but we ought to put an invitation out to
15 engage with us in the CEP in the first quarter
16 well in advance of the deadline for the RFI, but
17 then also have them visit the plant and also meet
18 people in the coalition in the local communities
19 is a terrific idea.

20 So, Manuel, you and I can follow up how
21 we can get that letter out in a timely way.

22 I want to see if anybody else -- Dan
23 Stetson, and then anybody else after Dan Stetson
24 from the CEP wants to have the floor.

25 Right now the floor is yours, Dan.

1 DAN STETSON: Thank you, David, general
2 update. I think we know because it was mentioned
3 last time that SCE was going to start hosting
4 tours again at the plant and so we -- I've been
5 involved in a couple of those, in fact, just
6 yesterday we hosted assemblywoman, California
7 Assemblywoman Cottie Petrie-Norris.

8 Previous to that, we brought down Farrah
9 Khan, Mayor of Irvine, environment folks from
10 there. And also Diane Dixon and Joy Brenner, city
11 council members from Newport Beach. I think those
12 have been really helpful in bringing them up to
13 speed, also introducing them to the spent fuel
14 coalition.

15 CHAIRMAN DAVID VICTOR: Terrific. I want
16 to thank also you personally for all your work in
17 helping to connect the people to the plant
18 operators for those tours. That has been
19 enormously valuable.

20 I don't see any other microphones, so I'm
21 going to hand the floor, I believe, next to
22 Manuel. Before I head over to Manuel Camargo, I
23 want to mention that in the chat you will find --
24 if you click on the chat, a thing you'll find
25 frozen in the chat for eternity, you'll find a

1 comment that Lorraine Sandstrom has posted, which
2 has a hyperlink in it. It says CEP comment form,
3 click on that, put in your name, you'll be on the
4 list to give a -- make a comment during the public
5 comment period.

6 Now without any further delay, I want to
7 give the floor over to Manuel Camargo.

8 Manuel.

9 MANUEL CAMARGO: Thank you, David. Here,
10 I just want to touch on available resources. I
11 know some people are familiar with the website.
12 We do work very hard actually, to make sure that
13 we keep the website up to date on things. You
14 will see there with all the deconstruction work
15 that's going on now. There are a couple of very
16 nice time lapse videos. It simplifies a very
17 complex and tedious process, but there's some
18 great videos.

19 It's on the landing page of the website.
20 If you'll scroll down to the bottom, you'll see
21 those resources there.

22 To Dan's point earlier, Dan was talking
23 about some of our tours. We've been able to
24 restart our public tours. And the public tours
25 are done -- we have the next one coming upon

1 Saturday, January the 22nd. There is one
2 happening this weekend but it's fully booked. If
3 folks who are watching or listening in would like
4 to tour the site, go to the website. If you
5 scroll down to the bottom of the landing page,
6 again, there's a different link that would allow
7 folks to sign up for those public tours and so we
8 really do appreciate folks who have the interest
9 to come on site and learn about what we're doing
10 here. Next one of those is Saturday,
11 January 22nd. Please take a look at that.

12 The other thing you can do on the website
13 here is you can sign up to receive e-mail updates,
14 we do those occasionally and so maybe one or so a
15 month. Not going to inundate anybody's e-mail
16 inbox. All of those resources are available on
17 the website. I wanted to highlight that for
18 folks.

19 If you go to the next slide. Here a
20 couple of words as it relates to the community
21 engagement that we do, with 2021 here drawing to a
22 close, just want to sort of reflect on the work
23 that we've all done together really over the past
24 many years. We formed the CEP back at the
25 beginning in 2014. As we close out this year, it

1 wraps up eight years of convening these public
2 meetings for the benefit of local community, and
3 also for the benefit of ourselves at SCE and the
4 other co-owners.

5 Over time we've hosted quite a few
6 different third parties. We've heard from the
7 community and from the CEP that you like hearing
8 not only from SCE but other experts, and we've
9 been able to do that over time. So as folks --
10 many folks will recall, we've had a congressman
11 on, that's not the first time, but we hosted folks
12 members of the congress, we've had a former NRC
13 chairman. So we work hard to try to convene
14 people who can help us understand the
15 commissioning and the broader complexities that we
16 here at SONGS fold into.

17 I would say as well we do work hard to
18 try to take the input that we hear to heart. And
19 to that point, you see a list here of actions
20 related to community input. So these are some of
21 the things that had been inspired by community
22 input over time. One example, the second from the
23 bottom, is the independent spent fuel storage
24 Installation Radiation Monitoring System, IRMS
25 which gives us another acronym. That system was

1 inspired by the late Gene Stone. We appreciate
2 him coming on site a couple different times and
3 with input from him and others we now have an
4 ISFSI radiation monitoring system that streams
5 data in realtime to three different agencies
6 including the California Department of Health
7 Services.

8 And then another is, you know, we have
9 heard -- we did hear, you know, concerns about the
10 ability to inspect canisters, the prospect of if
11 there were ever to be a compromised or cracked
12 canister, the ability to repair a canister. And
13 we now have, as we've reported out in the previous
14 CEP meetings, the ability to inspect canisters,
15 and actually have done that in both systems, the
16 original NUHOMS system we have on site, the
17 horizontal system, as well as the newer Holtec
18 system. We've inspected those canisters and
19 demonstrated the ability to repair those
20 canisters. And some of that has been inspired by
21 the community, so we really appreciate that.

22 Finally, here I would say just a thank
23 you as we wrap up the year, especially to the 18
24 volunteers who volunteer their time on the CEP.
25 We really appreciate that. And as we look forward

1 to next year 2022, hopefully with some of the
2 exciting things that are happening on the spent
3 fuel challenge, hopefully we will have many more
4 things to dig into. We appreciate that engagement
5 over time.

6 David, with that that's all we wanted to
7 cover. If there are -- let me see if there are
8 any questions that folks have for me.

9 CHAIRMAN DAVID VICTOR: Excellent. Thank
10 you very much. I don't see any microphones open.
11 So I will go straight to Vince Bilovsky, unless
12 someone would like to ask a question or comment.

13 I didn't realize it was eight years. It
14 doesn't feel like a day over six, so there you go.
15 Par pay want to give -- thank you very much,
16 Manuel. Please give our regards to Doug. Thank
17 you for stepping in for him tonight.

18 I want to give the floor over to Vince
19 Bilovsky who is the director of the
20 decommissioning project, in effect the removal of
21 the bulk of the plant for SCE. And Vince is first
22 going to give us a big picture update on where the
23 process is and then is going to turn into the
24 particular questions surrounding environmental
25 stewardship during the dismantlement process.

1 So, Vince, the floor is yours.

2 VINCE BILOVSKY: Okay. Thanks, David.

3 If we can move onto first slide. For the big
4 picture we always start off with our principles.

5 And the first one is safety, both radiological
6 safety and industrial safety for our workers. I'm
7 going to talk about that in some more detail in a
8 later slide, so I'll put that on hold for a minute
9 and move onto stewardship.

10 Stewardship has two parts, first being
11 good stewards and protection, protecting the
12 environment, and Sarah will be giving a
13 presentation today that's going to focus on the
14 radiological remediation aspects.

15 The other part is financial stewardship,
16 and our trust was funded by rate payers, our
17 customers, and we're committed to use those funds
18 prudently.

19 The last is engagement. It's with things
20 like our site tours, our website, community
21 outreach, and these quarterly meetings are all
22 about.

23 So we can go ahead and move onto the next
24 slide. Here are the things we're focused on right
25 now. One is the phase of decommissioning for

1 dismantling all the above ground structures, the
2 phase we're in right now, and that's all the above
3 ground structures, with the exception of the sea
4 wall, the switch yard and the ISFSI.

5 Second deals with fuel that's where we
6 monitor, protect and maintain both of our safe dry
7 storage systems. The third is advocacy, advocacy
8 to have the fuel taken to an offsite facility,
9 which Manuel has been leading for us and we've
10 discussed earlier today.

11 So I think we can move onto the next
12 slide. Our latest quarterly decommissioning
13 update was sent in October, sent by mail to local
14 residents within five miles SONGS, and it can be
15 accessed on the website address shown here on the
16 this slide. The next update will be coming out in
17 January.

18 Inside this issue you can read about a
19 hazardous job that was recently completed safely,
20 that's the de-tensioning and removal of the
21 containment dome tendons. That was completed
22 successfully and safely. It required each worker
23 to commit and focus on safety every shift and they
24 did that. It really was a true team effort, and
25 we've also included a map of the site that lists

1 the major work activities completed in the last
2 quarter and also those that are happening now.

3 One more thing I would like to mention is
4 about our recent inspection of the horizontal
5 NUHOMS canisters. That's not included in the
6 decommissioning update, because it's not a
7 decommissioning activity. In early November we
8 inspected two canisters from that horizontal
9 system using a robot. It was a different robot
10 than the ones that we used from the Holtec
11 inspections, but it had a similar high resolution
12 camera.

13 As anticipated and also consistent with
14 the findings at other plants, the canisters looked
15 just like they did when we transferred them into
16 the dry storage back in the earlier 2000s. We're
17 still waiting for the final report, and we can
18 share more about that the inspection the next time
19 we address the defense-in-depth for onsite spent
20 fuel storage, which I think is expected to be in
21 the third quarter of next year.

22 I think we can move onto the next slide.
23 Looking at the decommissioning activities, so
24 during our last CEP meeting on September 16th, I
25 talked about some specific approaches to safety,

1 which included some of the work we do at SONGS to
2 prevent injuries from occurring in the first
3 place, and then learning from operational
4 experience.

5 As I mentioned in the last meeting, our
6 contractor SONGS Decommissioning Solutions and its
7 subcontractors recently attained 2 million work
8 hours with no loss time injuries, and that's quite
9 an achievement for an active decommissioning site.
10 We have heavy equipment moving around constantly,
11 demolition taking place and new onsite rail spur
12 being installed, and these things are all
13 happening at the same time.

14 These are potential hazards that are all
15 around and the site is changing every day. Since
16 our last meeting we continued to keep employees
17 and contractors at SONGS out of harm's way, and
18 that's what's most important. We've learned from
19 operating experience at other plants and also from
20 a variety of experiences we've had here on site.

21 I'll mention two recent examples. With
22 one a team was removing one the 26 heavy screens
23 in our intake system, and that's what's shown on
24 the slide here. On the last screen a crew member
25 noticed that a rigging component was bent and the

1 team immediately stopped the lift. They re-rigged
2 screen, and this allowed the screen to be lifted
3 safely.

4 Another example involved a piece of
5 channel iron that was being lowered during this
6 dismantlement work and containment. This piece
7 was lowered and landed safely, but then it tipped
8 over and when it did, the end of the iron pierced
9 power cord causing a breaker to trip.

10 Nobody was injured in either of these
11 examples, but we can learn from both of them.
12 With the screening rigging event, we reaffirmed
13 the importance of the avoiding complacency.
14 That's one of the last lifts of this type after
15 doing it 25 times. But the team was still focused
16 on the details and quickly recognized that
17 something wasn't right, and they corrected it
18 without worrying about how much time it took.

19 And over looking at the channel iron, we
20 were reminded about the importance of situational
21 awareness and always being looking out for things
22 like an energized extension cord, and that's
23 similar to using an electrical lawnmower. You
24 have to be careful to make sure you don't clip the
25 cord. We can move onto the next slide.

1 CHAIRMAN DAVID VICTOR: Before you move
2 on, Vince, ask you quickly, at our last meeting we
3 had a briefing on this incident where a roughly
4 50-pound object fell 20 or so odd feet, nobody was
5 injured, but it was only discovered after the
6 event.

7 Clearly, that would be something that was
8 a concern. How are you tracking these kinds of
9 close calls as it were, and learning from them,
10 and have there been any such incidents like that
11 since our last meeting?

12 VINCE BILOVSKY: We track them in our
13 correction action program where they're entered
14 into the formal database, and those situations are
15 evaluated, and we put corrective actions in place
16 to prevent them from reoccurring in the future.
17 In that particular case a number of measures were
18 taken to make sure that something like that
19 couldn't happen again. We have some -- a number
20 of changes in the work planning, engineering
21 evaluations, we have changes in our processes that
22 can keep the workers safe. So that's what we're
23 doing.

24 In terms of an event like that, no, there
25 wasn't anything similar to, you know, an

1 unexpected drop object that was clamped in place,
2 so no, there wasn't an event similar to that one.

3 CHAIRMAN DAVID VICTOR: Okay. Thank you.

4 VINCE BILOVSKY: We did have a situation
5 where we do several rigging of equipment each day
6 and lifting of components and waste packages, and
7 there was an interference with the waste package
8 that caused some material to spill, but during
9 that evolution we had -- we're going by our rules
10 to live by and one of which was that never to be
11 underneath a suspended load. So we had the area
12 roped off, barricaded off so nobody could be in
13 the way. When that material fell, nobody was put
14 in harm's way.

15 CHAIRMAN DAVID VICTOR: Okay. Great,
16 thank you.

17 We should let you go on. I know you've
18 got a lot of pictures to show us of stuff that's
19 being removed.

20 VINCE BILOVSKY: Okay. Thank you.
21 Getting back to situational awareness. That's an
22 important piece of workforce engagement, and we
23 recently established a new organization, a
24 reporting structure that provides for increased
25 engagement between management and work groups. An

1 example of how that helps in the field is an
2 enhancement of the briefings that take place
3 before the work starts in order to ensure that
4 workers fully understand how to perform the tasks
5 in a safe manner and look for hazards, for
6 example, a live extension cord. And then
7 employees can stop work, identify in safe
8 conditions, and they can be addressed before
9 proceeding.

10 So the photo on the screen here shows two
11 people engaged in what we call a pre-job brief,
12 and that's one of the many human performance tools
13 that we use to prevent errors and ensure that safe
14 work practices are being taken.

15 We can go onto the next slide. Here we
16 have some of the major work activities that have
17 started over the past two months. Inside the
18 containment domes the most significant item that
19 started is the reactor vessel internal
20 segmentation process in unit 2.

21 This is a big project that's now
22 commenced after installing the equipment that's
23 needed to perform those operations. Over in unit
24 3, we're installing a duplicate set of equipment
25 and the cutting in that unit is going to start

1 early next year. Cutting operations in both units
2 will then run parallel for about a year and a
3 half.

4 Some of those reactor internal segments
5 will be classified as low level greater than class
6 C waste, and the containers holding that waste is
7 treated the same as fuel. It's stored on the
8 ISFSI next to the fuel. So we're in the process
9 of doing all the preparations that are needed for
10 that activity.

11 Looking outside of the containments, our
12 demolition team has gotten started on the unit 2
13 turbine building and they're making good progress
14 there. We started moving the components from the
15 intake structures and are to begin the
16 dismantlement process of that area as well.

17 And then we're also laying down some more
18 rail track to help facilitate to additional waste
19 shipments and the waste and recycling shipments
20 have continued.

21 So we can go to the next slide. Okay.
22 Here's the demolition status map that I presented
23 in the last meeting. But it's been updated to
24 show the two areas in blue that are active right
25 now being the unit 2 turbine building towards the

1 lower left side of the page, and then the high
2 flow makeup demineralizer area in the upper right
3 section there.

4 So buildings and structures in black are
5 now been completely dismantled and the other
6 colors represent different phases of preparation
7 for demolition.

8 You can go to the next slide, please.
9 Now we'll go through some pictures here. What
10 we're showing is the largest component of the
11 reactor vessel internals. It's called the core
12 barrel. This was the forming structure that
13 contained the fuel assemblies when the reactor was
14 operating. On the right there is an illustration
15 of what that component looks like, and it shows
16 the markings for where the cut locations will be.
17 The top portion there shown in blue is being cut
18 right now. We call it the A ring. So far this is
19 going well, and it's expected to be completed by
20 the end the year for unit 2. On the left there is
21 a picture of the cutting operation, and I'll show
22 a video in a minute.

23 So if we go to the next slide. Here we
24 have that core barrel being removed from the
25 reactor vessel, so it can be placed on the turn

1 table next to the cutting machine. That happened
2 about six weeks ago before the cutting actually
3 started.

4 Go to the next slide. Here's a picture
5 of that cutting machine in operation, and I think
6 on the next slide here we can see a close-up.
7 Yeah, that's the saw blade cutting into that top
8 flange of the core barrel.

9 And on slide 28 we're going to a run a
10 short video showing the operation, showing the
11 cutting operation here. If you can see that the
12 blade is spinning. There we go. There's a closer
13 look at it. It's cutting into the top of the core
14 barrel. Okay.

15 So as I mentioned, as the dismantlement
16 work ramps up we need to make sure we don't get
17 congested with waste. Now that we've completely
18 demolished our main administrative building, we're
19 taking the steps to build a rail yard where that
20 building used to be. The rail spurs will allow us
21 to increase our shipment by more than twice as
22 many as we are now. We will be able to go from
23 about 20 cars per month, to about 100 cars per
24 month later in 2022.

25 The picture on the left shows the track

1 assembly -- on the previous slide shows the track
2 assembly. It's a modern design with salvageable
3 steel that can be recycled when the project is
4 completed. The ties are steel as well, unlike the
5 traditional wooden ties.

6 On the right there's the nicely prepared
7 surface that has the right compaction ratios for
8 the base and the subgrade. We'll go to the next
9 slide there.

10 Okay. So this is more on the rail yard
11 installation just on the upper right there's a
12 delivery of materials. On the left is the process
13 of grading and compaction, and at the bottom
14 picture just shows them laying tracks. The rail
15 work subcontractor is working safely and doing an
16 excellent job. We expect this project to be
17 completed in the first quarter of next year.

18 Next slide. We're up to the top of the
19 turbine building showing the dismantlement
20 activities there. On the left is the removal of
21 the shrouds, and on the right showing a shroud
22 that's been removed. These are the top covers of
23 the turbines. On the right will be segmented into
24 the smaller pieces and taken to the recycling
25 facility.

1 Go to the next slide, please. On the
2 left here we can see the cutting of one of those
3 turbine shrouds. The middle picture shows the
4 cutting of the stator part of the electrical
5 generator, and on the right is a picture of the
6 rigging of the turbine diaphragm. That's the
7 section between the actually turbine blades and
8 the shrouds.

9 Most of this work involves thermal
10 cutting operations using torches, and this type of
11 cutting can create visible smoke and in a few
12 cases, especially with the stator, this smoke
13 could be significant. We've closely monitored and
14 controlled this process to avoid fire risk.

15 I talked about fire watch in the last CEP
16 meeting, and that most certainly applies whenever
17 we're performing torch cutting. The workers use
18 respirators for protection but the smoke is
19 sampled and analyzed to ensure certain particular
20 limits aren't exceeded, and we also have our
21 perimeter air monitors around the plant to ensure
22 we're in compliance with the environmental
23 regulatory requirements, and we've been successful
24 there. But we have realized that some materials
25 being cut does generate more smoke than other

1 materials, so we've been putting in place some
2 mitigation measures to reduce smoke during these
3 operations.

4 Go to the next, slide.

5 CHAIRMAN DAVID VICTOR: Before you move
6 off the smoke question, can you say a couple
7 words, what else is in the smoke and particularly
8 the rest of the periodic table elements in the
9 smoke or just -- that's a concern?

10 VINCE BILOVSKY: Right. So the most
11 concerning would be lead, and I believe we're
12 about the 1/10th the acceptable limit for lead.
13 It is a variety of elements, and we're doing
14 copper cuttings as well, but we're -- we'll
15 analyze all those continuously and make sure we're
16 below the limits.

17 CHAIRMAN DAVID VICTOR: Thank you.

18 VINCE BILOVSKY: On the next slide here's
19 the removal of the gates, which are like valve
20 dams for controlling flow or completing isolating
21 sea water from the intake structure. On the left
22 there is diver going down to prepare a gate for
23 lifting. In the middle that's a rigged gate being
24 lifted out, and on the right we show one being
25 laid down so it can have it's -- these are going

1 to have their seals refurbished and used later and
2 reinstalled when we get to the intake de-watering
3 process.

4 Go to the next slide. Okay. Here on the
5 right we have the removal of one of those screens.
6 It's what we saw a few slides previously when I
7 was talking about the nice good catch on the
8 rigging.

9 The screen rakes, these are filters that
10 keep things like debris, seaweed and shells out of
11 the plant and that left picture there is a picture
12 of the compartments where the screens were located
13 before removal.

14 Go to slide 35. There we go. Here's a
15 view of the whole intake system with most of the
16 screen rake assemblies removed. This was taken
17 from the vantage point of standing between the two
18 containment domes and facing towards the ocean.
19 When this picture was taken, there were still --
20 you can see on the left there were still three
21 assemblies left in there, but now they've all been
22 removed.

23 And the next, I believe, okay, talk about
24 the environmental stewardship. I'll cover the
25 first two slides --

1 CHAIRMAN DAVID VICTOR: I want to pause
2 for a moment and see if anybody has any questions
3 about the progress with regard to the
4 dismantlement and updates we've seen.

5 I'm not seeing any, so we'll let you go
6 on, Vince, to talk about the environmental
7 stewardship.

8 VINCE BILOVSKY: Great. When I mentioned
9 earlier --

10 CHAIRMAN DAVID VICTOR: Hold on a second.
11 Val Macedo.

12 Val, the floors is yours.

13 VAL MACEDO: Yeah, I was going to add to
14 Vince's presentation, all the guys that are -- all
15 of the employees that are doing all the cutting,
16 before they even get on site, they've gone through
17 some extensive training, even though they have the
18 experience and are certified before getting on
19 site and engaging in those activities.

20 CHAIRMAN DAVID VICTOR: Excellent. Thank
21 you very much for that comment. I want to see if
22 anybody else. I don't see any other comments.

23 So, Vince, back to you.

24 VINCE BILOVSKY: Okay. So as I mentioned
25 earlier, stewardship being one of our guiding

1 principles for decommissioning. Environmental
2 stewardship is the set of programs and projects
3 that are designed to protect and some cases
4 restore the environment.

5 And here you see the three main elements
6 of environmental stewardship this overlapping
7 circles. On the top left are the long term
8 mitigation projects. These are done to offset the
9 effect of plant operations, include things like
10 the Wheeler North Reef that we constructed to
11 provide habitat for marine life. At the bottom
12 you see dismantlement mitigations and they include
13 control measures such as protection for biological
14 and cultural resources during dismantlement work,
15 and at the top right you see site restoration,
16 which means restoring the site to meet or exceed
17 requirement for the returning the land to the
18 Navy.

19 And that last one is site restoration is
20 the focus of tonight's discussion, and we're going
21 to be talking about radiological cleanup in
22 particular.

23 So we'll go to the next slide, please.
24 Okay. So where does restoration fit in the big
25 picture? Well, it supports two of our overarching

1 goals, one is to relocate the spent nuclear fuel
2 to a licensed facility, and then once the spent
3 fuel is gone, we can get to our second goal, which
4 is the final phase of the project, and that's the
5 cleaning up of the site and returning it to the
6 Navy in a condition that it can be used for any
7 use that the Navy sees fit in the future.

8 With us tonight to present our
9 radiological site restoration program is Sarah
10 Roberts. She is the VP of decontamination of
11 dismantlement and radiation programs, and she
12 works for Energy Solutions. And I'll warn you
13 this is a fairly complicated topic, and we have
14 added some context in the appendix of the
15 presentation for some is backup information, and
16 depending on the appetite for this topic, we can
17 certainly talk about it again in a future meeting
18 and provide an update. And also if there's
19 interest, we'd be happy to come back and present a
20 similar presentation regarding nonradiological
21 cleanup.

22 With that, I'll turn it over to you,
23 Sarah.

24 SARAH ROBERTS: Thanks, Vince.

25 Can you all hear me okay?

1 CHAIRMAN DAVID VICTOR: Loud and clear,
2 yes, thank you.

3 SARAH ROBERTS: Okay. Great.

4 So thanks for the introduction you, Vince
5 and David, for your introduction earlier.

6 So I appreciate your time this evening to
7 provide -- it's going to be really a high level
8 overview of the license termination plan
9 development and implementation process, and even
10 though this is high level, and I only have seven
11 slides, it's a lot of words. Please bear with me.
12 I believe this is the first time this topic has
13 been presented to the CEP, so I'm going to do my
14 very best to step through this slowly and
15 methodically, but not too slowly because we don't
16 want to be here too long.

17 Also a word of note, there will be a lot
18 of acronyms I'll be using, and if I fail to define
19 an acronym, please stop me. I'll be using
20 acronyms and words interchangeably I'm sure. So
21 don't hesitate to stop me if I neglect to define a
22 determine properly.

23 CHAIRMAN DAVID VICTOR: Great. And I
24 will say there will probably going to be a lot of
25 questions about the what kind of farming

1 activities can be done if we meet the farming
2 standards.

3 SARAH ROBERTS: Yeah, I have that
4 question myself, but we'll talk about that when we
5 get to that slide.

6 Okay. So on this first slide so the
7 ultimate objective of course radiological cleanup
8 is to demonstrate compliance with the criteria for
9 unrestricted use. And this criteria is defined in
10 the code of federal regulations, or CFR, and
11 specifically in title 10 of CFR part 20. And the
12 specific language in that CFR is shown on this
13 slide.

14 So essentially there are two compliance
15 criteria, which are the total effective dose
16 equivalent or TEDE, as we like to affectionally
17 refer to it as, which is not to exceed 25 millirem
18 per year to an average member of the critical
19 group, and also to demonstrate that residual
20 radioactivity has been reduced to levels as low as
21 reasonably achievable or ALARA. I'm sure you're
22 familiar with that term if you've attended other
23 meetings for the CEP.

24 So expand on a few of these terms here:
25 The average member of the critical group is an

1 individual assumed to represent the most likely
2 exposure situation on the basis itself of a
3 conservative is assumption for the site and end
4 state model.

5 And David gave us a little taste of what
6 the end state model will be, and we'll talk about
7 that later in the presentation. And TEDE
8 represents the sum of doses from both internal and
9 external exposures, and I'll go into a little bit
10 more detail on that topic as well a little later
11 in the presentation.

12 And also before I proceed, I'd like to
13 give a bit more clarification on some terms I'll
14 use, because they're so similar in the way they
15 sound. Unrestricted use or UU what we presented
16 on the previous slide is a criterion. It's one
17 criterion, and it's one number, it's that 25
18 millirem per year, it's the 25 dose criterion.

19 We also use the term unrestricted release
20 criteria, and that will be a series of numbers,
21 and I'll discuss that later in the presentation.
22 It's a little bit confusing, but I want to provide
23 a -- there's a distinction between those two
24 terms. So let's see, all the other note I wanted
25 to make was that there was a footnote maybe on the

1 bottom of the previous slide, but I can mention it
2 actually on the next slide, but I'll mention it
3 here: The unrestricted use dose standard applies
4 a thousand years following decommissioning, so
5 it's important to note that as well. You have to
6 consider dose to an average member of the critical
7 group for a thousand years into the future.

8 So next slide. Okay. This is a roadmap
9 of the major steps in the decommissioning process
10 as defined by the NRC or the Nuclear Regulatory
11 Commission. And I'll walk through each step
12 briefly and note that the fourth box is
13 highlighted in purple and in particular because
14 this stuff is typically of interest to the
15 community and the public.

16 So the first step was completed for the
17 SONGS site in 2013 and that was to certified
18 permanent cessation of operations and removal of
19 fuel from the reactor. And this is a little bit
20 of a typo, because as we heard earlier from David
21 and Representative Levin also mentioned the fuel
22 is still stored on the sites and the ISFSI
23 facility because at this time there's no other
24 facility in the country licensed to accept the
25 spent fuel. Major topic for tonight, I was

1 actually really excited to hear a lot of
2 discussion around that.

3 However, the fuel must be removed from
4 reactor to complete this step one. The second
5 step was to cement the PSDAR or post shutdown
6 decommissioning report to the NRC. This provides
7 the documentation to ensure that the plant will
8 never operate again. And that step was completed
9 in 2014.

10 Now we're moving forward to where we are
11 today. And this third step has recently been
12 initiated, and this is kind of our major topic for
13 the evening, and that was to initiate preparation
14 of the license termination plan or the LTP, which
15 upon approval will serve as the requirements
16 roadmap as a licensed amendment for how the
17 licensee, Southern California Edison, will
18 demonstrate compliance with federal regulations
19 for unrestricted use.

20 The LTP, just to give a little
21 description, it's an eight chapter document, and
22 it's really quite technical in nature. I'll go
23 into a little bit more detail on the next slide, I
24 believe, as to some of the content of the LTP.
25 This document takes several years to develop. So

1 the current target for us is to, or Southern
2 California Edison have that document submitted
3 sometime in 2024.

4 The next step, as I mentioned before, the
5 step is highlighted -- the box that is highlighted
6 in purple it represents the time frame for NRC
7 review and approval of the licensed termination
8 plan. By regulation that's two years, and it's
9 important to note that during this review period,
10 the NRC typically holds a series of open meetings,
11 as a matter of fact, I believe they're required to
12 by regulation. And during these public meetings,
13 there's an opportunity to review and comment and
14 provide feedback on the contents of the LTP. So
15 this is an essential aspect of the overall LTP
16 review and approval process for the NRC.

17 The fifth step is implement the
18 requirements of the LTP and in particular the
19 final status survey plan, and that plan is
20 utilized to design the survey and sampling
21 protocols to demonstrate compliance with the
22 federal requirements that I described in the first
23 slide.

24 And the current scheduled target for
25 completion of these surveys is 2028. I should

1 note that final status surveys are performed as
2 areas are released for unrestricted use as
3 determined by our in-process surveys, which again
4 I'll describe a little bit later in the
5 presentation.

6 For large projects, in particular
7 commercial power reactors, and won't be any
8 different for the SONGS plant. There are
9 typically several reports, final status survey
10 reports that are submitted for review and approval
11 to the NRC over the duration of the project, so
12 it's an iterative process.

13 And the final step occurs when NRC
14 reviews and approves all the data and the reports
15 that are received and for SONGS, in particular,
16 this will also be after the fuel has been removed
17 from the site, and that is to terminate the
18 license for the site to operate. So once the
19 license is terminated, the site is no longer a
20 nuclear site, and it's turned back over to the
21 navy.

22 Any questions on that? I'll take a sip
23 of water, and we'll go onto the next slide.

24 CHAIRMAN DAVID VICTOR: Not seeing
25 anybody asking for the floor right now. So we'll

1 give you a moment to take a sip of water.

2 SARAH ROBERTS: Okay.

3 CHAIRMAN DAVID VICTOR: And then let's go
4 back at the LTP.

5 SARAH ROBERTS: Okay. So as I mentioned,
6 the LTP is an eight chapter document. Once again,
7 once the LTP is approved by the NRC the LTP
8 becomes the licensing document to demonstrate that
9 the site has been cleaned up to meet the NRC's
10 unrestricted use criterion. It's a lengthy
11 document, it takes several years to develop, and
12 some examples of information included are the site
13 characterization data, plans for the site cleanup,
14 how the final surveys will be performed, updates
15 on decommissioning costs, and lots of other
16 information. I'll get into more detail, of
17 course, that's the topic of the presentation
18 tonight. That's just a general overview of what's
19 included in the LTP.

20 And onto the next slide. All right. So
21 another roadmap here, going into a little bit more
22 detail of how we implement the radiological
23 cleanup and survey requirements of the license
24 termination plan.

25 I would like to note we are in the

1 process of conducting the first step, and this
2 process will continue until we demonstrate -- this
3 entire process will continue until we demonstrate
4 we have met the federal requirements for
5 unrestricted use. So from box 1 through box 6,
6 this will go on through 2028, but we'll start with
7 step 1.

8 So this is where we are today. The first
9 step is to perform a complete radiological
10 characterization of the site, and the objective is
11 to define the radionuclides and level of residual
12 radioactivity at the site so basically the
13 inventory of residual radioactivity at the site
14 today.

15 And this data is actually presented as
16 chapter 2 of the license termination plan, so
17 chapter 2 of the LTP is the characterization
18 reports. This characterization data ultimately
19 guides the cleanup process. So we've initiated
20 this characterization and the goal for completion
21 of characterization, I believe, is August of 2022.
22 It's definitely sometime mid to late 2022
23 currently.

24 Step 2 is to utilize the characterization
25 data and other information that we have to perform

1 dose modeling for the defined site and state. And
2 the output of that model is the cleanup criteria
3 or as they are defined in the guidance, they're
4 called derived conversation guideline levels or
5 DCGLs.

6 If you recall I mentioned in the first
7 slide that really these are different than the
8 unrestricted use dose criterion. The DCGLs or the
9 release criteria are developed for media type that
10 will remain at the site following termination of
11 the license. Typically they are soils, sediments,
12 groundwater, et cetera.

13 So these are used to develop the final
14 status survey and referred to here as the
15 radiological survey plans. DCGLs in themselves
16 it's a very complex topic, so I'll go into these
17 in a little bit more detail in the next slide.

18 So the third step is to utilize these
19 established DCGLs or released criteria as the
20 guide to remediate the site to ensure that the
21 site meets the unrestricted use criterion, so the
22 25 millirem per year.

23 Again, it's important, because these help
24 guide the cleanup efforts. So we perform in
25 process surveys as we are performing remediation,

1 and we have these release criteria, these numbers
2 that help us guide our cleanup criteria, or I'm
3 sorry, our cleanup and then we perform the end
4 process surveys to verify that we've met this
5 criteria.

6 In Box 4 the next step is to perform
7 final status surveys, and I described those a
8 little bit earlier. Once again, these surveys are
9 complete. When they're complete the data and the
10 reports are submitted to NRC for review and
11 approval.

12 And a key step I'd like to highlight here
13 that I haven't mentioned before is the
14 confirmatory survey. The NRC almost always opts,
15 and in particular for large sites such as
16 commercial power reactors, they opt to perform
17 independent confirmatory surveys to validate that
18 the final status survey data has been submitted by
19 the licensee is -- actually meets the requirements
20 of the license termination plan. And this is
21 really important because this helps ensure public
22 confidence in the final site conditions. So this
23 is a really critical step in the NRC review
24 process.

25 So I can't speak on behalf of NRC so I

1 won't go into too much detail on this topic, but I
2 found it prudent to mention, because this is a
3 really critical step in the cleanup process.

4 So the fifth step is to submit the final
5 set of server reports to NRC for review and
6 approval, and then finally the NRC will approve of
7 reports only when they can verify and validate
8 that the defined end state criteria are satisfied.
9 For the SONGS plant that current end state
10 criteria is based on unrestricted use. Again,
11 I'll talk about that in the following slides.

12 I'll pause for a minute. This is a lot
13 of information to digest, and it can get -- we
14 have a lot of roadmaps here. I want to make sure
15 what I'm saying is making sense.

16 CHAIRMAN DAVID VICTOR: I know people are
17 sharpening their number 2 pencils for the test
18 that's going to happen at the end of this. I see
19 Val's got his number 2 pencil out.

20 Any comments or questions about this?

21 I guess I want to raise one question, you
22 may or may not have an answer right now, which is
23 the NRC is under a lot of pressure to do other
24 things with regard to end state, and Chris Hanson
25 testified about this to the senate earlier this

1 week.

2 Is any of that material to what happens
3 here, or are what we're doing kind of robust to
4 change above the NRC standards anyway because
5 we're better than the other people? How should we
6 think about the regulatory uncertainty here
7 whether it's high, low, or relevant?

8 SARAH ROBERTS: End state related to? I
9 guess I want to make sure I understand the
10 question --

11 CHAIRMAN DAVID VICTOR: Well --

12 SARAH ROBERTS: Maybe there's somebody
13 else on the -- I just want to make sure I
14 understand the question.

15 CHAIRMAN DAVID VICTOR: The question is
16 NRC is under pressure to tighten up its rules and
17 pay more attention to the decommissioning process,
18 that includes the kind of stuff you're talking
19 about today. Are we expecting those rules to
20 change, or are those rules irrelevant to us
21 because we're grandfathered in under some system,
22 or how should we think about that issue? Because
23 you're referring a lot to NRC standards and
24 procedures, and so those presumably are amenable
25 to change. I'm just curious as to what your views

1 are about this.

2 Looks like Ron Pontes might want to
3 comment on this.

4 RON PONTES: Yeah, if I may, David.

5 We're aware that the NRC is considering
6 changes to the decommissioning rule and everything
7 that flows down from that and how to handle plants
8 as they leave the operational phase and enter
9 decommissioning at the end of their life. It, you
10 know, based on our communications with NRC and our
11 assessment of that process, we're not anticipating
12 that those changes would have any impact on
13 San Onofre, although that remains to be seen,
14 because it's somewhat -- it's not really a closed
15 issue or process yet.

16 But you know, we've at this point, all of
17 our licensing changes that we needed to get us to
18 this point in the decommission project have been
19 completed and approved by the NRC, and we're
20 moving onto this phase to do the cleanup. And
21 right now we are not anticipating any changes in
22 the area that would impact us.

23 CHAIRMAN DAVID VICTOR: Excellent.
24 That's very helpful indeed.

25 Back to you, Sarah, to continue.

1 SARAH ROBERTS: And related to that
2 topic, and that's why I wanted to ask for
3 clarification, there is some regulatory guidance
4 that's being revised currently, and one document
5 is referred to as the MARSSIM, Multiagency
6 Radiation Survey and Site Investigation Manual,
7 which I haven't included in this presentation,
8 because, boy, that's a mouthful. That's,
9 essentially, the guidance document that is
10 utilized for the final status survey process, and
11 it's a multiagency document, so not only does NRC
12 utilize it, but also DOE, DOD, and EPA.

13 There's a revision 2 of that document
14 coming out. That won't specifically change
15 anything that we're doing here, as a matter of
16 fact, it just provides additional clarification
17 and guidance on topics that haven't been addressed
18 in the past in guidance.

19 From my perspective from what, as far as
20 what I'm presenting tonight, what I see coming out
21 of guidance from NRC will only serve us well. It
22 will provide us some additional, more detailed
23 information that will help us going forward in the
24 decommissioning process.

25 CHAIRMAN DAVID VICTOR: Thank you. We

1 should let you go on. MARSSIM, sounds like a page
2 turner, so thank you for that.

3 SARAH ROBERTS: Oh, yeah, it's only
4 800 pages or so.

5 Next slide. All right, as I promised,
6 here's a bit more detail, and it will be on the
7 next two slides on the application of the site
8 release criteria or DCGLs. As we discussed, the
9 regulatory requirement for the final site dose is
10 25 millirem per year.

11 Recall, I presented the term total
12 effective dose equivalent, or TEDE, and I would
13 like to mention for informational purposes, that
14 you might also hear the term TEDE, also referred
15 to as compliance dose, so just in case you hear
16 these terms kind of thrown out, they're all kind
17 of used interchangeably.

18 It's an important concept to understand
19 that unrestricted use is the -- the dose criterion
20 of 25 millirem per year means it's from all media
21 types at the site and it's additive. So that
22 means you can't have 25 millirem from soil, and 25
23 millirem from water, 25 millirem from sediment.
24 The total dose must be less than 25 millirem.

25 So when DCGLs are developed for each

1 media type, you have to consider a ration of
2 residual radioactivity in each type of media in
3 order to develop the DCGL. You have to reduce
4 those DCGLs or release criteria accordingly to
5 account for these ratios.

6 So the upfront characterization data is
7 typically used to establish these ratios; however,
8 they always have to validated, so the data has to
9 be validated when you perform your final status
10 surveys.

11 So verification and validation is always
12 the rule of thumb when it comes to any date that
13 we're collecting throughout the D and D process.
14 So in this case, again, the final status survey
15 data is used to validate the ratios, and as
16 always, throughout the entire process, the date is
17 reviewed and for the case and final status survey
18 the data is also approved by the NRC, and that is
19 the basis for termination of the license
20 ultimately.

21 So development of these release criteria
22 or DCGLs is really a science in itself. Most
23 sites use a computer code developed by Argonne
24 National Laboratory known as RESRAD. So RESRAD is
25 used to develop these release criteria used site

1 specific input parameters. So some of the input
2 parameters would be soil characteristics such as
3 porosity, precipitation at the site, topography
4 and radionuclides that are characteristic of the
5 site and many other parameters that would be
6 inputs into the computer model.

7 And again, the DCGLs are the release
8 criteria that are ultimately used to demonstrate
9 compliance with the dose criterion.

10 Go onto the next slide. This is the fun
11 one I think that David was referring to. So the
12 RESRAD code, the RESRAD code allows the user to
13 choose the end use or end state scenario. So that
14 means what will a site be used for after license
15 termination.

16 So some sites buildings might remain
17 intact, and the site is in purpose for another
18 industrial use. I think Manuel mentioned this.
19 In this case that would be referred to as the
20 industrial worker scenario. At other sites all
21 buildings are removed and remaining land use is
22 repurposed for another use other than residential
23 use. So an example of that is Rocky Flats. That
24 site was ultimately used as a wild life refuge.
25 The SONGS plant the end state that is selected is

1 the resident farmer scenario, which I understand
2 sounds a little bit strange. In RESRAD that is
3 considered the all pathways model. That means all
4 potential exposure pathways to a member of the
5 critical group are considered in the final dose
6 calculation.

7 So if you look at the graphic on the
8 slide, you can see examples of the nine exposure
9 pathways that are included in this scenario. Some
10 of those include direct external exposure from
11 radionuclides in the soil, inhalation of airborne
12 radionuclides that might be resuspended, ingestion
13 of plants and crops that are grown in the area.

14 Yes, good question, how would we end up
15 growing crops at the San Onofre plant site? Good
16 question. Ingestion of live stock, ingestion of
17 drinking water, inhalation of radon. These are
18 just some of the examples of potential exposures
19 that are considered in scenario. It's a very
20 conservative model.

21 When you compare this, for example, to
22 the industrial worker scenario, it is
23 conservative, because for an industrial worker as
24 an example none of the food ingestion pathways
25 would be consider, and also the time of occupancy

1 at the site would be lower for an industrial
2 worker versus a resident who is occupying the
3 property full time.

4 So that's just -- that's the model that
5 we're choosing for the SONGS plant. It's the most
6 conservative model, and we believe that's prudent
7 and demonstrating ALARA, again, that is one of the
8 two criterion that we're obligated to meet under
9 federal regulations, and I have one more slide.

10 CHAIRMAN DAVID VICTOR: Maybe before you
11 move off the cows, to be vegetarian here, but is
12 there anything -- because of the Navy is not
13 planning on raising sheep, they're planning on
14 doing other things at the site. Is there anything
15 about the naval use, sounds like what you've done
16 is you selected resident farmer because that's the
17 most conservative one, it happens to be called
18 resident farmer, it could have been called risk
19 averse, you know, but my question is, is there
20 anything about the naval use that you know about
21 or the Navy is telling you about that gives us
22 reason to be concerned that this is not
23 conservative enough, or this is the wrong model
24 but there's no -- nothing that doesn't involve
25 cows, so we have to do that? How should we think

1 about the actual use of this as it maps onto the
2 Nuclear Regulatory Commission's categories, which
3 puts us into this most conservative application,
4 which is the resident farmer one.

5 RON PONTES: Do you want me to take that,
6 Sarah?

7 SARAH ROBERTS: Yes, please.

8 RON PONTES: Okay. So that's a good
9 question, David.

10 And today if you were to ask the Navy
11 what they intend to do with this property when
12 it's turned over to them, they would probably say
13 generically for their training mission. But
14 actually they don't know, and the reason they
15 don't know is because they cannot perform a
16 credible reuse study until that time in the future
17 when we're ready to turn the property over to
18 them. And the fly in the ointment is the spent
19 nuclear fuel that remains on site, and the
20 uncertainty about when it's going to be removed.

21 So we are aware that the Navy is
22 conducting a reuse study now, and they'll take
23 input from their stakeholders and consider
24 internally what they might use the site for. I
25 can't speak to whether the Navy would be willing

1 to share that information at this time, I'm just
2 aware that they are conducting such a study, but I
3 think from their point of view that's probably too
4 premature.

5 And then with respect to very
6 specifically to the model, it's probably more
7 likely if the Navy was using this site to support
8 their training mission, then clearly they will not
9 be occupying the site 24 hours a day, you know,
10 365 days a year as would a resident farmer.

11 I think that's why we have chosen this
12 model, because it's the most conservative of all
13 the models we could choose and should easily
14 demonstrate to the Navy that we have cleaned the
15 site up properly in terms of radiological cleanup
16 to meet their future needs when we get there.

17 CHAIRMAN DAVID VICTOR: So maybe --

18 RON PONTES: I will say another thing,
19 though, in this license termination plan process,
20 which is going to be open to the public as Sarah
21 stated earlier, as landowner we would expect that
22 the NRC will be asking the Navy for their input on
23 that plan, and in that plan which is going to
24 describe how we're going to go about the cleanup
25 in meeting this criteria. So in that two-year

1 long period when the NRC is reviewing and
2 considering the plan, they will be taking public
3 input and input from the landowner and input from
4 other agencies that are stakeholders here at the
5 site.

6 CHAIRMAN DAVID VICTOR: Thank you.
7 Before I give the floor to Martha McNicholas I
8 want to unsolicited advice I think we want to help
9 people understand what's going on, we want to
10 emphasize this is the conservative approach, most
11 conservative approach and downplay it's relevance
12 to farming, even though that's what the regulatory
13 standard is, and second is if maybe Ron or Sarah
14 or anybody else who's a Navy whisperer could carry
15 a message to the Navy when they're ready to talk
16 about when they want to do, we would love to hear
17 it.

18 Because I think this is been looming --
19 looming is too strong a word -- this has been
20 around for a while, and we haven't heard from the
21 Navy, and I think the public would love to hear
22 from the Navy what they intend to do or how
23 they're thinking about it. Thinking three or four
24 feet below grade. My guess is they're not growing
25 sheep, but whatever they want to do there would be

1 lovely to hear a little more information from the
2 Navy whenever the time is right. If you could
3 carry that to them, that would be terrific.

4 Martha McNicholas, the floor is yours.

5 MARTHA McNICHOLAS: I'll have to say I
6 was one of the ones that was most confused about
7 this because of the farming thing, but I
8 understand it now, and I'm hoping the general
9 public understands it as well.

10 My question is is this the most
11 conservative pathway that the NRC has? Is there
12 one that's more conservative that says I need to
13 be able to do surgery out in the open there or
14 something, or is this actually the most
15 conservative restrictive pathway?

16 SARAH ROBERTS: In almost all cases this
17 is the most conservative pathway. However, if
18 there was a situation, if there was an oddity of a
19 site, you would run evaluations on every model to
20 determine whether or not there's a more
21 conservative model if that's the model you choose
22 to use. In this case this would be the most
23 conservative model because all the pathways are
24 turned on.

25 I think the question that David asks is a

1 very valid one. If there was a site where there
2 was going to be some extremely destructive
3 something going on, and maybe there's a different
4 way to model it, but in almost every case that
5 I've seen, this is the most conservative pathway,
6 because you're looking at every exposure scenario.

7 CHAIRMAN DAVID VICTOR: I'm reasonably
8 confident that 20 meters from the 5 Highway
9 there's not going to be a lot of high explosives
10 set off by the navy, but we'll see. Let's ask
11 them what they plan to do.

12 Why don't we let you go -- I don't see
13 anybody else who wants the floor, so why don't we
14 let you go.

15 Sorry, Ted Quinn. Ted, the floor is
16 yours.

17 TED QUINN: Let me see, I wanted to ask
18 just your relationship with the NRC. What is the
19 NRC region involvement in this on a periodic
20 basis?

21 SARAH ROBERTS: The region is -- the
22 regional inspectors are on site just as often as
23 they are during operations or even -- I don't know
24 if somebody from Edison wants to answer the
25 frequency.

1 AL BATES: I can do that.

2 CHAIRMAN DAVID VICTOR: Go ahead, Al.

3 AL BATES: Thanks. This is Al Bates,
4 regulatory manager.

5 So the NRC nominally comes out here every
6 quarter, actually looks like at least for a lot of
7 nuclear plants that are in decommissioning we're
8 now going to every two months because our level of
9 activity has stepped up. And then, of course,
10 associated as you know, Sarah, associated with the
11 license termination itself, there's going to a lot
12 of NRC involvement, not only with the license
13 termination plan itself and the development of
14 that but then also the sampling that you had
15 talked about earlier where the NRC will come out
16 or send their contractor out to do independent
17 validation of our samples.

18 So throughout this process there's a lot
19 of NRC involvement relative to everything that
20 Sarah has stepped us through tonight.

21 TED QUINN: Thank you.

22 SARAH ROBERTS: So the sites -- the
23 commercial power reactors, you have the region
24 involved, and then you also have NRC headquarters
25 involved. Typically it's -- NMSS is always

1 involved, the Office of Nuclear Material Safety
2 and Safeguards, they oversee the decommissioning
3 process for at the headquarters level. So it's
4 kind of a team effort between NMSS headquarters
5 and also the region. So NRC is very actively
6 involved throughout the decommissioning process.

7 TED QUINN: Very good, thank you.

8 CHAIRMAN DAVID VICTOR: Sounds like the
9 acronyms department at the NRC is also very busy
10 too.

11 We should let you go to your final slide.

12 SARAH ROBERTS: Okay. And I'll run
13 through this quickly, because I've already talked
14 about the final steps of most of this, but this is
15 just intended to provide high level information on
16 the physical steps in the SONGS cleanup process to
17 provide a better picture of how we will achieve
18 the end state scenario, the conservative end state
19 scenario.

20 First, all the buildings and all the
21 above grade structures will be removed to an
22 elevation of three feet below the existing grade.
23 Any remaining structures, meaning any structures
24 which -- and it's basically it's anything
25 substructures, so these would be footers, anything

1 that's three feet below grade would be
2 decontaminated to the release criteria that I
3 described. So the release criteria that are
4 approved in the license termination plan.

5 Again, this decontamination and final
6 status survey effort is validated by the NRC
7 confirmatory surveys. And then the grade is
8 restored to its original elevation. And then
9 after the surveys are performed, the final status
10 surveys, again, we submit and review -- submit
11 these reports to the NRC for review and approval.

12 Finally, Southern California Edison will
13 request that NRC will terminate the license. And
14 that would be -- in this case for SONGS it would
15 be after the ISFSI is removed, and that's kind of
16 been a major topic of the evening when the spent
17 fuel finally finds a home.

18 So that's all I have, and I appreciate --
19 I really appreciate your time and bearing with me.
20 I know this is not the most exciting topic, but I
21 really appreciate your time and patience tonight.

22 CHAIRMAN DAVID VICTOR: I want to thank
23 you for your insight. I want to quickly see
24 whether you mentioned when the spent fuel finally
25 finds its home, I feel like there's some variant

1 on the schoolhouse rock of legislation that she be
2 done for spent fuel, finally the spent fuel has
3 moved out.

4 I want to see if anybody has any comments
5 or questions before we take a break.

6 And I'm not seeing any from the floor. I
7 want to thank you, Sarah for your help tonight.
8 Also thank the Edison team for your contributions
9 about the kinds of things that Sarah has been
10 talking related to the site in particular.

11 So we have on our agenda right now a
12 ten-minute break, I think it's ten-minute break.
13 Manuel will jump and tell me that I'm wrong if
14 it's not ten minutes. It's 7:15 right now. We
15 will be back at 7:25.

16 I'm seeing on my list here only one
17 person listed for public comment period, so let me
18 offline check on that. If you would like to make
19 a public comment, sign up for that by going to the
20 chat here, and you can click on the CEP comment
21 form. It will open up a Web browser, and you can
22 put in your name, and be on the list for public
23 comment. Right now we're going to take a
24 ten-minute break.

25 (Recess taken from 7:15 until 7:25.)

1 CHAIRMAN DAVID VICTOR: Since we are at
2 our ten minute mark, let's see if we can unmute
3 Denise's microphone. I believe she is dialing in.
4 Does that mean we can't unmute it, that the
5 dial-in people have to do star 6 and hop up on the
6 left leg, or does somebody know what the procedure
7 is?

8 LORRAINE SANDSTROM: That's correct, if
9 they're calling in, David, if they hit star 6, it
10 will open their microphones, and then star 6 again
11 to close.

12 CHAIRMAN DAVID VICTOR: Okay. Excellent.
13 Well, let's first see in the last two
14 digits of her phone number are 44, and I am not
15 seeing -- let me make sure. I'm not actually see.

16 DAN STETSON: She was on earlier, David.
17 I don't see her name right now, though.

18 CHAIRMAN DAVID VICTOR: Okay.

19 RON PONTES: Hey, David, it's Ron Pontes,
20 may make a quick remark before you get rolling?

21 CHAIRMAN DAVID VICTOR: Yes.

22 RON PONTES: You mentioned that you would
23 like someone to go back to the Navy and kind of
24 encourage them to tell us sooner than later what
25 their intent is for the property, I'll be glad to

1 carry that message back. I talk to them on a
2 regular basis. But I think one thing that
3 everybody needs to be mindful of is we have a lot
4 of years ahead of us before we get to that point.
5 Just for this phase alone, the phase of
6 decommissioning that Sarah talked about in her
7 presentation, is going to take us at least through
8 2028, maybe even 2029 before we're done with that.

9 And then the spent nuclear fuel, right
10 now our best forecast for having everything gone
11 from the site is probably mid century, 2050, 2051
12 before the fuel is gone and ISFSI has been removed
13 and we're into that restoration phase. So it's a
14 long time away.

15 And that's why I said, you know, the Navy
16 is probably premature today to ask the Navy what
17 they're going to do with the property, and I think
18 they would not really know what they're going to
19 do. A lot can change in those decades. I wanted
20 to take an opportunity to reflect on that for a
21 moment. Thanks, David.

22 CHAIRMAN DAVID VICTOR: Thank you for
23 that. I totally appreciate that. I think it's
24 also in carrying the message back to them, it's
25 probably worth just reminding them that, of

1 course, this is a site that's adjacent to a lot of
2 people and so whether or not they have a fully
3 formed view of what they want to do, it
4 nonetheless seems to be prudent and, indeed,
5 useful for them to talk to some people, and I
6 certainly think that this panel and the folks who
7 are engaged with this panel would be one of
8 plausibly several conduits to talk to people.
9 That's what the source of the invitation.

10 Fully appreciate that the whole process
11 is that Sarah is talking about is one that's going
12 to run its course over a quite number of years.

13 I don't see Denise Erkeneff anymore, but
14 I do appreciate her comment very much, the essence
15 of which is that the Surfrider Foundation, and
16 quite understandably, and I think many other
17 people, is opposed to permanent long term storage
18 or radioactive waste at the San Onofre site, so
19 removing as quickly as possible in support of the
20 what Congressman Levin has been pushing forward
21 and also supportive of the DOE's movement towards
22 identifying the consent-based siting for future
23 location for one or more future locations, and
24 that's, indeed, reflected in the request for
25 information that the Department of Energy has put

1 out, and which I think we're going to now have as
2 plausibly the subject of our first meeting, fully
3 or partly subject of our first meeting -- our
4 meeting in the first quarter of next year.

5 I want to see -- ask you, Manuel, is --
6 or Lorraine, is there anybody else who signed up
7 to make public comment? And it may be that the
8 subject of tonight's meeting is less public
9 comment worthy than some of the other things that
10 we have addressed, and I'm fine with that.

11 Manuel?

12 MANUEL CAMARGO: I don't see any, David.
13 Lorraine, anything that I'm missing?

14 LORRAINE SANDSTROM: No, no new comments
15 or questions.

16 CHAIRMAN DAVID VICTOR: Let me pause for
17 a moment and see if any of the CEP members would
18 like to make any comments before we move into the
19 final segment of our meeting.

20 VAL MACEDO: I have a quick question for
21 Sarah, David, if I can.

22 CHAIRMAN DAVID VICTOR: Yeah, Val, go
23 ahead.

24 VAL MACEDO: Yeah, in your presentation
25 you talked about three feet below grade, because

1 it's a big hole right now and it's been where the
2 structures lie, you have elevation zero where the
3 ocean is and you have footings, you talked about
4 footers, is that like down at the bottom of, you
5 know, elevation whatever it is down at the bottom
6 of the structures now, or where is that?

7 RON PONTES: Do you want me to take that,
8 Sarah?

9 SARAH ROBERTS: Yeah, go ahead, Ron.

10 RON PONTES: So some of the structures on
11 the site are deep. For instance, the end take
12 structure is 35 feet below sea level, the bottom
13 of it, and some of the other structures are not so
14 deep. They're at higher elevations, if you will.
15 A big part of the plant is below sea level. And
16 you know, when we talk about the units 2 and 3
17 area proper, what we refer to as power block where
18 all those buildings are concentrated, the base
19 elevation there is about 30 feet above sea level.

20 Our plans call for filling in all the
21 voids after those substructures have been cleaned
22 up and decontaminated and demonstrated to meet the
23 cleanup requirements that Sarah talked about, we
24 will backfill those voids and bring the elevation
25 back up to about where it is today, and that final

1 grade that will be established across the plant
2 will be informed by a grading plan that's approved
3 by the Coastal Commission.

4 So that's kind of the bigger picture
5 about what we're going to do with the site. I
6 hope that answers your question.

7 VAL MACEDO: Thank you.

8 CHAIRMAN DAVID VICTOR: Great. Thank you
9 very much.

10 I want to one last check. I think
11 somebody with the last two digits 04 on their
12 phone wanted to make a public comment. If so,
13 push star 6 on your phone, and let us know who you
14 are and make your comment.

15 The hand went up and the hand went down.
16 I'm not sure if there were additional comments
17 there. Okay, go ahead.

18 SAM JAMMAL: Hello. I'm sorry.

19 CHAIRMAN DAVID VICTOR: Yes.

20 SAM JAMMAL: Yeah, this is Sam from camp
21 Pendleton. I apologize. I wanted to comment on
22 that the potential reuse of the SONGS site. MCI
23 Comm, Marine Corps Installation Command has funded
24 a reuse study and it's ongoing, and part of the
25 study will incorporate some of the stakeholders

1 around the local communities, Surfrider, some
2 tribal leaders, and they will get an opportunity
3 to provide input to the future reuse.

4 But as noted, it's so far out that I
5 think it's going to be probably rudimentary at
6 different potential reuse recreation, training,
7 but we won't know where we're going to be in the
8 2050 and what the Marine Corps mission would look
9 like. Anything we do would have to fit within the
10 mission profile. Sorry, I've got a little cold.

11 There is something going on with that as
12 far as reuse.

13 CHAIRMAN DAVID VICTOR: Excellent. Sam,
14 I want to thank you very much for your comment,
15 and again the offer if there's something that the
16 Community Engagement Panel could be doing to be
17 helpful in that process, please let them know
18 about that. I appreciate your central role in
19 connecting what we're doing here with what's
20 happening in the Marine Corps and more generally
21 in the Navy. Thank you very much, Sam, for that.

22 SAM JAMMAL: Thank you David, and I'll
23 reach out to Lorraine, and I don't want to get
24 ahead of the team lead for the study. He had been
25 communicating with us to gather the stakeholder

1 names and potential members and so I provided
2 that, and I will circle back with them and offer
3 the CEP members may be also invitees to that if
4 they wish to roll in on.

5 CHAIRMAN DAVID VICTOR: That's terrific.
6 Thank you very much for that.

7 So I want to go now to Dan and Martha and
8 see if there's anything, and I wish you also a
9 speedy recovery from your cold, Sam.

10 I want to go to Dan and Martha to see if
11 there's anything else they would like to raise
12 before we go into the final segment of the
13 meeting.

14 DAN STETSON: Just a quick point of
15 curiosity on slide 27 we show that great big saw.
16 What's the diameter of that thing? That thing
17 looked huge.

18 VINCE BILOVSKY: 36 inches.

19 DAN STETSON: Okay. So three feet?

20 VINCE BILOVSKY: Yes.

21 DAN STETSON: Not as big as it looks.
22 Thank you.

23 CHAIRMAN DAVID VICTOR: I think aisle 12
24 at Home Depot, they got a bunch of those there.

25 Martha McNicholas.

1 MARTHA McNICHOLAS: Just a thanks to
2 Vince. I loved the deconstruction slides and the
3 videos and the time lapse stuff. You know, that's
4 my favorite part, thank you.

5 VINCE BILOVSKY: No problem. I'll keep
6 them coming.

7 CHAIRMAN DAVID VICTOR: I want to give
8 the floor back to Manuel on behalf of Doug, who I
9 think has a few closing comments from SCE, and
10 then I'm going to say a couple words about the
11 takeaways and the agenda for next year.

12 Manuel.

13 MANUEL CAMARGO: Thank you, David.

14 Just three things really, first I want to
15 thank the presenters. Good hearing from
16 Representative Levin earlier this evening, and I
17 appreciate he and members of the congress
18 providing the funding that has facilitated now the
19 DOE restarting their work on the federal spent
20 fuel management program. So appreciate that.

21 Thank you to Kristal. Kristal Jabara for
22 her work and helping us to understand where we are
23 with the coalition. Good to see that the
24 coalition is growing and working on a strategy,
25 speaking of the same thing, strategy on how to

1 navigate the window of opportunity here with the
2 RFI on consent-based siting. Good news there.

3 Vince, appreciate the updates on what
4 we're doing in terms of the decontamination and
5 dismantlement process, what's happening on site,
6 and there are more of those videos, as I mentioned
7 earlier, Martha, the time lapse videos on the
8 website on a number of different components. So
9 it does help to illustrate how we're progressing
10 with the dismantlement work, so appreciate that.

11 Thanks to Sarah and to Ron for helping us
12 to understand where we're headed in terms of the
13 final site restoration. Ultimately just to
14 reiterate we have chosen the most what I
15 understand to be the most conservative cleanup
16 level as provided by the NRC, and of course, as
17 Sam mentioned there, we do have to understand what
18 the Navy and Marines what their mission will look
19 like at that time in the future after the spent
20 fuel has been removed and we're able to complete
21 the restoration of the site. We will do that, as
22 Ron mentioned, we will look to stabilize the site
23 and bring it back to its current elevation.

24 Second thing I would say is thank you to
25 the CEP. Really appreciate the members of the CEP

1 to volunteer your time to participate in these
2 meetings, others including the CEP leadership
3 invest much more time as we look to try to
4 understand what is relevant to the communities and
5 we focus on those various issues, so appreciate
6 that.

7 We will work with supporting you, David,
8 and your interest and the CEP's interest in having
9 the DOE come and speak to the CEP about that DOE
10 RFI, request for information, early next year
11 January, February time frame we will do that.

12 Finally, I will say as we move onto 2022,
13 you know, from a micro level be focused on the
14 same thing, so you know, number 1, it's the
15 dismantling of the site and remaining focused on
16 industrial safety, number 2, continuing to safely
17 the store the spent fuel on site. Earlier today
18 you heard Vince talk about briefly the inspections
19 that were done, which is an important part of the
20 inspections on the NUHOMS spent fuel canister
21 system, that is.

22 So the work that we do to continue to
23 make sure that we are safely storing spent fuel on
24 site, and third, we've had a major milestone here
25 with the DOE restarting its program for spent fuel

1 management. Look forward to hopefully some good
2 progress there for 2022.

3 David, that's what I wanted to cover.

4 CHAIRMAN DAVID VICTOR: Excellent. Thank
5 you very much, Manuel.

6 I want to take a moment and talk about
7 two subjects. First one going to the next slide
8 are the major takeaways. I think tonight folks
9 may remember we put out a document, a one-pager,
10 that's on what happened on each night and on key
11 messages in particular so that people, especially
12 elected officials, can use these in their local
13 communities to report back about the work of the
14 CEP.

15 I see four things that came out of
16 tonight: First one is is sustained and growing
17 attention to how to move the spent fuel, and I
18 think in some sense, amplified by the fact we're
19 seeing some push back in both New Mexico and in
20 Texas. I really appreciated Congressman Levin
21 being with us. I really appreciated the updates
22 on the Action for Spent Fuel Solutions Now
23 coalition, which is now up and running and has a
24 lot of members, and its developing a game plan.
25 We need to be organized in the local community and

1 that coalition I think can be helpful to us.

2 Second major takeaway concerns the
3 request for information from Department of Energy.
4 I think we're going to explore having them fully
5 or partly as part as the core of our meeting next
6 time, and in particular we really want to
7 emphasize, and we should put in the takeaways a
8 link to the RFI, we wanted to emphasize if
9 communities have views about what should happen,
10 they need to tell the DOE, and we need to work
11 with our local coalition to help organize some of
12 that. And I will reach out on behalf of the CEP
13 to see who from the DOE might be able to join us.
14 Maybe they can bring along some new acronyms so we
15 can learn more of those as well. That would be
16 terrific.

17 Third point is the deconstruction process
18 is really moving very quickly, and it's been
19 obviously a lot of attention to safety on the
20 site, and which is really impressive what is
21 happening and also on songscommunity.com there are
22 posted many other videos and images and so on that
23 show the progress there.

24 And fourth concerning question of
25 environmental stewardship and site restoration and

1 the end state of the site, very helpful briefing
2 about that. And in particular I think it's really
3 striking that while it's helpful for us to
4 understand what the standards and procedures are,
5 a lot of that is really relevant only in the late
6 2020s and beyond, and so it's helpful to
7 understand where we're headed there.

8 There is still a lot of work to be done
9 on the site before the question of the final
10 status of the site really become acute, but I
11 really appreciated having those updates today.

12 I want to pause for a moment to see if
13 there are any other comments disagreements,
14 agreements, I think disagreements in particular or
15 amendments to those key takeaways from the CEP.
16 We'll get those written up into a document and get
17 it out tomorrow morning, approximately.

18 Not seeing any others. I want to go to
19 the last slide, which has already been made to
20 some degree superfluous by the discussions today,
21 because the first meeting is probably not going to
22 be about the dismantlement project update, I think
23 it's going to be about the DOE process, at least
24 in part, and the time is going to be moved a
25 little bit earlier, probably in the order of

1 February. We'll get a note about that. The other
2 possible meetings are listed there, same topic
3 that were raised earlier. Invite members of the
4 public, members of the CEP, others to send
5 correspondence about themes for CEP meetings,
6 especially if you're not seeing them reflective
7 already.

8 It looks like we're going to have next
9 year a couple, depends obviously on the pandemic
10 and so on, a couple of member consultations for
11 the CEP itself, have a chance to take a look at
12 how we're doing, what's working, and what's not
13 working and so on. I appreciate that very much.

14 And with that, I believe our meeting
15 tonight is drawing to a close. I want to wish
16 everyone a happy holiday, continued safety in the
17 context of this new wave of the pandemic. We're
18 going to get through this.

19 I appreciate everybody's time and
20 consideration and your contributions, in
21 particular to those folks who spoke tonight, and
22 notably to my colleagues on the CEP for all of
23 your work as terrific volunteers. Thank you all
24 very much.

25 (WHEREUPON THE PROCEEDINGS WAS ADJOURNED

1 AT 7:43 P.M.)

2 (CERTIFICATE OF COURT OFFICER ATTACHED ON
3 FOLLOWING PAGE HEREOF.)

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CERTIFICATE
OF
CERTIFIED SHORTHAND REPORTER

I, the undersigned, Certified Shorthand Reporter of the State of California do hereby certify:

That the foregoing proceedings were taken before me at the time and place therein set forth; that a verbatim record of the proceedings was made by me using machine shorthand which was thereafter transcribed under my direction; further, that the foregoing is an accurate transcription thereof.

That if the foregoing proceedings were reported stenographically remote from the witness and parties, the transcript of the proceedings reflects the record that I could hear and understand to the best of my ability.

IN WITNESS WHEREOF, I have this date
subscribed my name
December 17, 2021



Certificate Number 12983

[04 - affectionally]

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[david - dismantlement]

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