

1 SONGS COMMUNITY ENGAGEMENT PANEL
2 REGULAR MEETING -
3 U.S. DEPARTMENT OF ENERGY USED NUCLEAR FUEL
4 PROJECT UPDATES

5
6 Via Microsoft Teams

7
8 TRANSCRIPT OF MEETING
9 August 27, 2026

10
11
12
13 Reported by:

Denise Herft, CSR #12983

14 Assignment #7905877
15
16
17
18
19
20
21
22
23
24
25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

SONGS COMMUNITY ENGAGEMENT PANEL
REGULAR MEETING -
U.S. DEPARTMENT OF ENERGY USED NUCLEAR FUEL
PROJECT UPDATES

Transcript of video-recorded meeting via
Microsoft Teams commencing at 2:00 p.m., Thursday,
August 27, 2026.

1 COMMUNITY ENGAGEMENT MEMBER ATTENDEES:

2 DAN STETSON (CEP CHAIRMAN/TRUSTEE - EXECUTIVE
3 DIRECTOR, THE NICHOLAS ENDOWMENT)

4 MARTHA McNICHOLAS - (CEP SECRETARY)

5 HON. VICTOR CABRAL - (CEP VICE CHAIRMAN/SAN
6 CLEMENTE COUNCIL MEMBER)

7 MICHELLE ANDERSON - (ORANGE COUNTY SHERIFF'S
8 DEPARTMENT, EMERGENCY MANAGEMENT DIRECTOR)

9 GARRY BROWN - (ORANGE COUNTY COASTKEEPER)

10 SCOTT KIBBEY - (CALIFORNIA STATE PARKS, SOUTH
11 SECTOR SUPERINTENDENT)

12 HUNTER McDONALD - (Alternate for HON. JIM DESMOND,
13 SAN DIEGO COUNTY SUPERVISOR, 5th DISTRICT)

14 ROB HOWARD - (CITY OF OCEANSIDE REPRESENTATIVE)

15 DANIEL WHITLEY (CAMP PENDLETON COMMUNITY PLANS AND
16 LIAISON OFFICER)

17 TED QUINN - (AMERICAN NUCLEAR SOCIETY)

18 HON. JOHN TAYLOR - (SAN JUAN CAPISTRANO CITY
19 COUNCIL)

20 CAPTAIN MEL VERNON - (SAN LUIS REY BAND OF MISSION
21 INDIANS)

22 ALYSSA NAPURI - (ALTERNATE FOR HON. KATRINA FOLEY,
23 ORANGE COUNTY SUPERVISOR, 5TH DISTRICT)

24 SOUTHERN CALIFORNIA EDISON SCE REPRESENTATIVES:
25 FRED BAILLY - CHIEF NUCLEAR OFFICER AND VICE
PRESIDENT OF DECOMMISSIONING

MANUEL CAMARGO (SCE PRINCIPAL MANAGER, STRATEGIC
PLANNING AND STAKEHOLDER ENGAGEMENT)

JOE NOWAK (EXECUTIVE SPONSOR, SAN ONOFRE
DECOMMISSIONING SOLUTIONS)

1 SOUTHERN CALIFORNIA EDISON SCE REPRESENTATIVES:
2 CHAD SAMPLES - (SCE PROJECT MANAGER)
3 MIKE BRYSON - (SCE INDEPENDENT SPENT FUEL STORAGE
INSTALLATION ENGINEER)

4
5 GUEST SPEAKERS:

6 JORGE NARVAEZ - (OFFICE OF SPENT FUEL AND
HIGH-LEVEL WASTE DISPOSITION, OFFICE OF STORAGE
7 AND TRANSPORTATION, U.S. DEPARTMENT OF ENERGY
(DOE) OFFICE OF NUCLEAR ENERGY

8
JUAN URIBE - (ACTING DIRECTOR, OFFICE OF DISPOSAL
9 RESEARCH AND DEVELOPMENT, OFFICE OF SPENT FUEL AND
HIGH-LEVEL WASTE DISPOSITION, OFFICE OF NUCLEAR
10 ENERGY, U.S. DOE)

11
SCE TECHNICAL SUPPORT PRESENTERS:

12 JULIA MARTINEZ - Presentation Slides
13
14
15
16
17
18
19
20
21
22
23
24
25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

GENERAL PUBLIC COMMENT
PAGE

1 Via Microsoft Teams, Thursday, August 27, 2026

2

3 CHAIRMAN DAN STETSON: Welcome everyone
4 and thank you for joining us this afternoon.

5 My name is Dan Stetson, and I am the
6 volunteer chair of the SONGS Community Engagement
7 Panel or CEP.

8 Today's virtual meeting was scheduled for
9 an earlier time than usual to accommodate our
10 guest speakers from the Eastern Time zone. Please
11 note that this meeting is being recorded.

12 Our focus today is the U.S. Department of
13 Energy Used Nuclear Fuel Project update, and I'm
14 pleased to report that we have two guest speakers
15 from the DOE. I know that the topics today will
16 be of great interest to the communities around San
17 Onofre.

18 The draft presentation was posted to the
19 SONGS website one week ago. Before we dive into
20 the first two main topics, let me make a few brief
21 announcements: First, our meeting will include
22 two DOE-focused topics, one hour of public comment
23 period, and a read-only update.

24 Second, we will have a single hour-long
25 public comment period. Questions related to the

1 DOE topics will be addressed first, with answers
2 coming from our DOE guest speakers, then we will
3 turn to more general questions, which will be
4 addressed by the team at SCE.

5 Third, for those who wish to speak or ask
6 a question or provide a comment using their phone,
7 SCE provided instructions for public comments via
8 phone under the meeting materials header on
9 today's meeting web page. Please note you still
10 must submit the CEP comment form with your name,
11 question, and last four digits of your phone
12 number to be called upon to speak, and we will
13 open the microphone via Microsoft Teams.

14 Fourth, a reminder that the slides in the
15 read-only appendix at the end of the presentation
16 includes information on the Spent Fuel Solutions
17 Coalition, SONGS dismantlement work, improvements
18 to the public walkway along the shoreline, liquid
19 batch releases, and tritium monitoring.

20 So there's a lot in the appendix. We
21 just don't have enough time to go over every
22 single one of those today.

23 Let me thank Julia Martinez for advancing
24 the slides for us.

25 Please advance.

1 Here you see our agenda and speakers. As
2 you see, we have a lot to cover. Fred Bailly, SCE
3 Vice President of Generation and Chief Nuclear
4 Officer, will provide introductory remarks.

5 SCE Chad Samples, SCE's Environmental
6 Project Manager, will discuss recent notifications
7 made to two different agencies. We will have a
8 couple of brief community updates.

9 Next, we will focus on our key topics.
10 Mike Bryson, SCE ISFSI Engineer, and Jorge
11 Narvaez -- I apologize, Jorge. I know I'm
12 slaughtering your name -- our guest speaker from
13 the Department of Energy will discuss the
14 demonstration of automated used nuclear fuel
15 canister monitoring at SONGS.

16 Next, Juan Uribe, also from the
17 Department of Energy, will discuss the Nuclear
18 Lifecycle Innovation Campus Initiative.

19 Joe Nowak, executive sponsor with San
20 Onofre Decommissioning Solutions (SDS) the
21 decommissioning general contractor, will provide
22 an update on groundwater and batch releases.

23 Then we'll take a five-minute break. As
24 always, we'll reserve one hour for public comment.

25 Now, Fred, I'd like to turn over to you

1 for some comments regarding the agenda.

2 FRED BAILLY: All right. Well, thank
3 you, Dan.

4 First, I would like to start by thanking
5 you for your long-standing support of community
6 engagement. You've served on the CEP since it
7 began in 2014, and tonight is your 55th CEP
8 meeting. So we also appreciate the many SONGS
9 tours you have participated in over the years.
10 So -- so thank you, and thanks to -- to the entire
11 CEP members for your continued engagement. Really
12 appreciate.

13 I'm definitely looking forward to the two
14 DOE presentations: One on technology and the
15 other one certainly of interest to the CEP and the
16 communities, the Nuclear Lifecycle Innovation
17 campuses, which is a great opportunity to
18 potentially accelerate the spent fuel programs in
19 the U.S. significantly, and including potentially
20 accelerating the removal of spent fuel from San
21 Onofre. So eager to hear the update from -- from
22 DOE.

23 For those who have not taken the time,
24 you can take a moment and review the read-only
25 topics that are listed at the end of the agenda.

1 We welcome questions during the public comment or
2 from the CEP on any agenda topic, but also
3 what's -- what's in the read-only section.

4 And with that, I'll turn it back to you,
5 Dan.

6 CHAIRMAN DAN STETSON: Thanks, Fred. I
7 think the thanks should go to my wife for her
8 understanding for my participation. Also, we've
9 got a number of CEP members that I think have been
10 there for a long time, if not from the beginning.
11 I think that's Garry Brown, Ted Quinn, and maybe
12 Scott, And I know a number of them have been there
13 for a long time.

14 Fred, you were the third chief nuclear
15 officer that I've worked with during my tenure,
16 and I have really appreciated your openness and
17 continued invitations to question and challenge
18 you and your team, listening, really listening,
19 and responding to the community's concerns are
20 fundamental to building a working and trusting
21 relationship, So thank you.

22 Can We have the next slide, please. Here
23 you can see a little bit about our public
24 comments. You'll see the directions for
25 participating in the public comment. As always,

1 members of the public have had the opportunity to
2 submit comments and questions in advance.
3 Comments may be submitted by e-mail to
4 nuccomm@songsce.com, and the address is available
5 on the meeting webpage.

6 During the meeting, folks can submit
7 written comments or sign up for oral comment
8 during the online CEP comment form.

9 For CEP members joining us online, if you
10 have a question or a comment, please use your
11 raise hand icon under reactions at the top of your
12 screen so we can -- so we can see you and identify
13 you and make you a presenter.

14 For CEP members who joined late, we may
15 not be able to see their name on the list and
16 change their status from a guest to a presenter,
17 and thereby allowing them to open and close the
18 microphone. In that case, CEP members will have
19 to raise -- use the raised hand icon for us to see
20 their name and make them a presenter. For CEP
21 members calling in by phone and audio only, two
22 things to note: first, to raise your hand, use
23 star 5. Second, to open and close your
24 microphone, please use star 6 and keep yourself
25 muted until you wish to speak. You may refer to

1 the new instructions for speaking via the phone on
2 the meeting webpage.

3 For questions or on general topics,
4 Manuel Camargo will keep track of the questions
5 and assign them to the appropriate SCE staff
6 member to answer.

7 Next slide, Julia. And Fred, I'd like to
8 turn it back over to you for a big picture update.

9 FRED BAILLY: Thank you, Dan.

10 So, yes, our work at SONGS is guided by
11 three principles: I'll start with safety, both
12 radiological and industrial, which remains our top
13 priority. We've had zero OSHA recordable injuries
14 over the past 12 months. We've had two close
15 calls or near misses this year, and so we continue
16 to focus on strong pre-job planning, hazard
17 identification, and situational awareness.

18 Stewardship, we remain responsible for
19 the safe storage of spent fuel until DOE removes
20 it. We continue to pursue offsite storage
21 solutions and will provide updates just as we are
22 going to be doing today. And our teams remain
23 focused on dismantlement, waste management,
24 transportation, and environmental protection.

25 On engagement, we're committed to

1 transparency through meetings like this one at the
2 CEP, but also public tours, speaking engagements,
3 and our website. More than 8,000 people have
4 participated in SONGS tours since the plant shut
5 down. Our last public tour was August 22, and our
6 next one is scheduled for September 12.

7 Big picture. The work is focused on --
8 on three major areas: dismantling aboveground
9 structures, safely storing spent fuel while it
10 remains on site, and supporting efforts to move
11 spent fuel offsite. So we will hear an important
12 DOE update today. Really looking forward to it.

13 And two more points: One on the batch
14 releases to the ocean. Last year we completed
15 treatment and release of higher activity spent
16 fuel pool and reactor cavity water after treatment
17 in compliance with regulatory requirements. That
18 work is complete, and no high activity water
19 remains to be released. The remaining releases
20 ahead of us involve rainwater, groundwater, and
21 dust suppression water, and Joe Nowak will provide
22 additional details following the DOE
23 presentations.

24 And from a schedule standpoint for -- for
25 the status of the project, we're still on track.

1 The project is going well. We're still on track
2 to finish by the end of 2028.

3 And next on the next slide, Chad Samples
4 will provide an update on recent notifications to
5 external agencies, including the NRC.

6 Chad.

7 CHAD SAMPLES: Thanks, Fred. All right,
8 good afternoon, everyone. I did want to make
9 everyone aware on July 23 during some demolition
10 work and some excavation work in the southern end
11 or southern portion of the plant that we refer to
12 as the south yard, there was a smell of diesel
13 fuel and an elevated indication on the portable
14 instrumentation that they were using, called a
15 PID, that's required for all excavation work.

16 Based on identification of that, the
17 condition was evaluated, looked like there may
18 have been some type of a historical discoloring of
19 the soil, and so basically they took the
20 requirements from our soil management plan on
21 checking the workers and making sure there's no
22 concerns for worker safety based on the -- the
23 elevated, volatile organic compound reading. No
24 concerns were noted. The readings were zero, and
25 there was no -- so there's no risk to the workers

1 or to the public in general. So -- but as part of
2 that soil management plan, we have to notify DTSC
3 or the Department of Toxic Substances Control, of
4 the elevated reading. So we did make that
5 notification, and then based on notification to
6 the Department of Toxic Substances Control, we
7 also informed the Nuclear Regulatory Commission
8 due to contact of an off-site agency.

9 So the excavated soil that was
10 encountered with elevated readings was moved off,
11 isolated to the side and covered. And that soil
12 will be sampled and shipped off site as a waste
13 once it gets properly characterized. This
14 isn't -- not an unexpected condition that when you
15 have an industrial site and you're doing site
16 investigations. So we followed all the protocols
17 and made sure the workers were safe, and again, no
18 concern or issues for the public.

19 That's all I have.

20 CHAIRMAN DAN STETSON: Thanks, Chad. A
21 couple quick questions: VOC, again, what does
22 that stand for?

23 CHAD SAMPLES: So VOCs are volatile
24 organic compounds, and these are just chemicals
25 that are you know readily evaporate. Like if

1 you're walking down the aisles in Home Depot and
2 you look at paints and adhesives, you'll see that
3 they have a VOC, or a volatile organic compound,
4 rating on them. Like when you go by a nail salon
5 and you smell that smell due to the that agent or
6 gasoline, those are -- those are indications of a
7 volatile organic compound. And each one of those
8 has a different limit depending on the -- on which
9 particular chemical you're talking about.

10 CHAIRMAN DAN STETSON: Okay. Thanks.
11 And you notify the NRC. Do you have to notify any
12 other agencies?

13 CHAD SAMPLES: No other agencies required
14 to be notified based on what we -- what we have
15 agreed to with DTSC. If there was some kind of a
16 spill, and it exceeded certain limits, Then we
17 would have to go notify Cal Emergency Services,
18 CalOES.

19 CHAIRMAN DAN STETSON: Okay. Well, thank
20 you very much, Chad.

21 And Fred, I want to thank you too. I
22 mean, to have zero OSHA reportables over the last
23 12 months sounds like there are a couple of close
24 calls, but it's -- I think that's something to be
25 proud of that -- that you're keeping everyone --

1 everyone safe. So thank you both.

2 Next slide, please, Julia. Let's move on
3 to our CEP community updates.

4 And next slide again, please. Here you
5 see a list of our volunteers who serve on this
6 CEP. I can't thank you enough. Although our
7 alternate members are not listed here, they also
8 play a vital role and stay actively informed about
9 SONGS activities. A number of them are actually
10 participating tonight. We thank them for their
11 engagement and the service to the communities
12 around San Onofre.

13 And of course, special thanks to Vice
14 Chair Victor Cabral and Secretary Martha
15 McNicholas.

16 Next slide, please, Julia. Okay, now we
17 have a few community updates, and really, the
18 first one is a question for -- for Fred. I want
19 to ask about the NRC proposed rule changes to
20 radiation protection, and is that something we
21 should worry about?

22 I understand that there have been
23 questions regarding ALARA, which I understand
24 means as low as reasonably as achievable as it
25 relates to radiation protection and what it means

1 to the public safety.

2 Fred, could you please help me
3 understand, and everyone else, what's going on and
4 is -- are the proposed changes a risk to us?

5 FRED BAILLY: Yeah, so absolutely. So
6 let me maybe step back and explain. The NRC is
7 and the administration is looking at regulation.
8 The NRC is considering potential rule changes,
9 which -- which we will review and implement if
10 there's any required updates to our programs.
11 However, so far I think 16 have been issued, 11
12 potentially impact decommissioning, but we do not
13 anticipate significant impacts to the way we are
14 planning and executing the work, especially with
15 the risk profile as well of the work ahead of us.
16 The more challenging radiological conditions are
17 behind us with the reactor vessels and large
18 components being gone.

19 One of the changes relates to what you
20 just mentioned, and let me mention that As Low As
21 Reasonably Achievable has driven more than
22 regulatory compliance at SONGS. It has
23 contributed to shaping our safety culture, and so
24 we remain committed to protecting the health and
25 safety of our workers and the public. The

1 exposure, the dose, maximum dose is not -- not
2 changing, and we will continue to have the same
3 approach, minimize the dose to our workers and the
4 public. So our commitment to radiological safety
5 remains absolutely unchanged.

6 CHAIRMAN DAN STETSON: Okay. Thank you.
7 Thank you, Fred. That's really good to hear.

8 Next. Victor. You know, I know when I
9 come down to SONGS I see all these railroad cars
10 there, and then the next day I pick up the paper
11 and hear things happening to offshore and erosion,
12 and we're concerned about the railroad tracks.
13 Can you give us any input or update with reference
14 to those, please?

15 VICTOR CABRAL: I can give you a quick
16 update, yes. We continue to have problems with --
17 with the rails. We have ongoing studies with the
18 rails run -- the eight miles of rails that run
19 through San Clemente. We're working with the
20 federal government, with the Department of
21 Transportation. I met with them a couple of
22 months ago. I actually met with the Deputy
23 Secretary of Rail looking for a solution to
24 protect those rails, and the best solution that
25 we've come up with is more sand on the beach

1 because that's -- that's the solution we think
2 will protect those rails. They've been closed
3 intermittently over the -- the past year, more
4 last year. They've been closed often here more
5 recently because of the king tides and -- and the
6 warm weather that that heats up the water and
7 raises the water level.

8 We're working closely with the state and
9 with the OCTA (Orange County Transportation
10 Authority) that's charged right now with
11 protecting those rails. The -- the OCTA has
12 pretty much committed themselves to putting more
13 revetment or more rocks, and that -- that's been
14 their plan. We think rock and sand works a little
15 bit better.

16 So we're -- we're continuing to work with
17 federal, state, county agencies to protect our
18 infrastructure here to protect our -- our
19 coastline.

20 CHAIRMAN DAN STETSON: Okay, thank you,
21 Victor. You know, I have a small boat in Dana
22 Point Harbor, and they're dredging that right now.
23 I wish that -- I wish you guys could get some of
24 that -- some of that sand.

25 VICTOR CABRAL: Yeah, we wish we could

1 too, but the quality isn't quite beach quality.

2 CHAIRMAN DAN STETSON: Yeah, yeah. No, I
3 know they actually test it, and they -- they
4 depending upon what the content of the testing is,
5 relates to how they can -- what they can do with
6 it. And I having seen it, I know that it's
7 probably not the sand that you would like on your
8 beaches down in San Clemente.

9 But anyway, thanks so much, Victor.

10 Next slide, please, Julia. Let's see. I
11 think we're back one slide. There we go. Thank
12 you very much.

13 So I want to remind everyone that Spent
14 Fuels -- the Spent Fuel Solutions Coalition is
15 planning their third quarter webinar on September
16 10th at 8 a.m. I'd really recommend that you --
17 you attend it. The focus is governing long
18 promises: The Long Arc of U.S. Spent Fuel Policy,
19 featuring anthropologist and former DOE Senior
20 Program Director Vincent Ialenti. The link to the
21 RSVP and questions is provided.

22 I think Victor is currently now -- I
23 think he's moved over and he's moved to Finland.
24 So hopefully he can give us updates in terms of
25 what's happening there. But I also want to extend

1 special thanks to County Supervisors Jim Desmond,
2 you know, Hunter's here today, and Katrina Foley,
3 their co-chairs of the Spent Fuel Solutions.
4 We're really thankful that between the CEP and
5 Spent Fuel Solutions Coalition, we're hearing from
6 the top officials and leaders who are at the
7 forefront of used fuel topics.

8 Next slide, please. Okay. It is now my
9 pleasure to dive into the first of our two topics
10 for this evening's meeting, and the first one is
11 the Used Fuel Canister Inspections: Current and
12 Emerging Programs with Mike Bryson of SCE and
13 Jorge Narvaez. Sorry, sorry, Jorge.

14 Next slide, please, Julia. Mike, the
15 floor is yours.

16 MIKE BRYSON: Awesome. So again, we --
17 this is Mike Bryson, SONGS ISFSI engineer. We
18 last saw each other a few CEPs ago, and we
19 discussed the various acoustic monitoring
20 technologies and how they could potentially be
21 used for canister monitoring. So this slide, just
22 have one slide in my presentation. I'll give the,
23 you know, the floor to Jorge and Juan coming up
24 from the Department of Energy.

25 But this slide is intended to provide

1 context just to the Department of Energy's
2 canister monitoring demonstration that SONGS
3 that's forthcoming, hopefully first quarter of
4 2027, and more specifically distinguished between
5 the potential value of the DOE demonstration and
6 the inspection programs that SONGS already has in
7 place.

8 And so, these are essentially the three
9 topics. So what -- what does SONGS do today? So,
10 we manage our canister conditions through the
11 established inspection Aging Management Program,
12 really programs. So we use -- we use the proven
13 robotic inspection methods for both dry -- dry
14 cast systems at our site. So that's widely
15 accepted throughout the industry.

16 And These inspections are performed under
17 the NRC mandated Aging Management Program, and the
18 inspection programs established by the response to
19 the California Coastal Commission requirements.
20 So together these two programs support our
21 continued confidence in the condition of the
22 canisters.

23 So about a year ago, we went through all
24 of the canister inspection results, all the
25 photos. I believe the number was 1,749, was it,

1 slides? And so we don't have any additional
2 slides to show anybody at this point, but you can
3 always go back to the October 16th CEP
4 educational -- excuse me -- seminar if you want to
5 do additional research on what aging management
6 inspection photos look like.

7 So the second point here is essentially
8 our position, SONGS position on acoustic
9 monitoring. So from our, you know, perspective,
10 acoustic monitoring is not needed as, you know, to
11 meet our current inspection or aging management
12 commitments, as we have the aging management
13 program. Our existing program provides
14 essentially a direct and established means of
15 inspecting the canisters and evaluating their
16 conditions as we shown a year ago, based on all
17 the -- the photos.

18 So our -- at the same time here at SONGS
19 and SCE does support DOE's testing and development
20 of additional monitoring technologies. They may
21 go beyond acoustic monitoring, which -- which
22 Jorge will be discussing shortly, and we view this
23 participations demonstration as part of just being
24 a good industry partner in supporting the broader
25 national Spent Fuel Management Program.

1 So, you know, we just want to make it
2 very clear that, you know, the demonstration
3 that's up forthcoming doesn't get interpreted as
4 we have a gap that we're trying to fill. It's --
5 it's rather an opportunity for the DOE to evaluate
6 where their acoustic monitoring could become a
7 useful additional tool in the future.

8 Why can we do that, and why should we do
9 that now? Because we have a test canister. We
10 installed the test canister for this purpose, for
11 us to go and explore additional technologies. So
12 as Juan will discuss shortly, a future federal
13 facility may receive canisters from multiple
14 sites.

15 Here we have essentially three different
16 canisters. We have two NUHOMS, the 24 PT1 and
17 PT4, and the Holtec MPC 37. If we do have
18 eventually a federal facility, it's going to be
19 a -- canisters from essentially different
20 operating histories and different stages of aging
21 management implementation.

22 So -- so DOE could definitely, you know,
23 face a broader, more complex monitoring challenge
24 than individual operator decommissioning site like
25 ourselves. So that -- so that I believe is -- is

1 really the motivation is how can we -- what can we
2 do now to help monitor and perform aging
3 management inspections in the future. So canister
4 monitoring now is not -- just a standalone
5 activity, operates within the broad programmatic
6 framework that includes the aging management
7 requirements. We have plant inspections,
8 evaluation inspection information, and maintenance
9 activities when warranted or if warranted.

10 So the robotic inspections provide the
11 direct information about accessible canister
12 surfaces and allow the site to evaluate canister
13 conditions using the established methods approved
14 by the Nuclear Regulatory Commission.

15 So, with that few takeaways, pretty
16 straightforward for us. We have a -- SONGS has a
17 very robust inspection program that's been
18 mandated and approved by the Nuclear Regulatory
19 Commission and acoustic monitoring, although not
20 required to meet the current commitments, we
21 definitely are in support of it.

22 And with that, I don't know if we're
23 taking questions now or we're waiting, I can turn
24 it over to the next slide, which is Jorge Narvaez.

25 MANUEL CAMARGO: There's a question from

1 John Taylor from the CEP.

2 CHAIRMAN DAN STETSON: Yeah, I don't see
3 any hands raised, Manuel.

4 MANUEL CAMARGO: John Taylor.

5 CHAIRMAN DAN STETSON: John Taylor.
6 Okay, John.

7 JOHN TAYLOR: Yes, thank you.

8 Just -- just curious if -- if it was --
9 if the DOE demonstration determined that there was
10 value, could they require this of SONGS? And --

11 MIKE BRYSON: They could.

12 JOHN TAYLOR: If so, who would pay for
13 it?

14 FRED BAILLY: Well, so -- so the NRC sets
15 the regulation for the storage, so it's not really
16 DOE who would impose it on -- on San Onofre. If
17 it was imposed someday, and again, I don't see why
18 we would need it here at the site, but if it were
19 to be imposed someday, we would have to pay for
20 it, But under the existing conditions, we would
21 basically turn around and seek for recovery of
22 that expenditure because the spent fuel is still
23 at San Onofre instead of being shipped somewhere.
24 So I'll just -- I guess I'll just leave it at
25 that.

1 JOHN TAYLOR: Okay. Great. I'm just
2 curious about that. Thank you.

3 CHAIRMAN DAN STETSON: Thank you, John.
4 Thank you, Fred.

5 Any other hands that you see? I only
6 have a few people that I can see on my screen,
7 Manuel.

8 MANUEL CAMARGO: Nope, I think we're
9 good.

10 CHAIRMAN DAN STETSON: Okay. Thank you
11 very much. I thought -- I think this is a really
12 important presentation. Thank you very much.

13 So let's go ahead and have the next
14 slide, please. And question number one, Jorge.
15 Please help me understand how to pronounce your
16 name.

17 JORGE NARVAEZ: Hi. Yeah, my first name
18 is Jorge, and the last name is Narvaez.

19 CHAIRMAN DAN STETSON: Okay. Thank you
20 very much. The floor is yours.

21 JORGE NARVAEZ: No problem. Thank you so
22 much.

23 Yeah. Good afternoon, everyone. My name
24 is Jorge Narvaez. I'm a program manager at the
25 DOE Office of Spent Fuel and High-Level Waste

1 Disposition.

2 Next slide, please. So this is just a
3 disclaimer that we use basically saying that
4 nothing of what I say today is going to replace
5 any of the text that you would find in the
6 standard contract for spent nuclear fuel on
7 high-level waste disposition.

8 Next slide, please. Okay. So like the
9 previous presenter mentioned, the -- the NRC has a
10 requirement on the aging management programs that
11 each facility needs to have. The aging management
12 programs that -- some of the text says that it may
13 include prevention, mitigation, condition
14 monitoring, and performance monitoring. The
15 Department of Energy is taking into account now a
16 research project in which we want to automate
17 these aging management program inspections.

18 So one of the ways that we're trying to
19 do this is by looking at the different
20 technologies available in the U.S., looking at
21 acoustic emissions that would be able to monitor
22 the structural health of the canisters that are
23 used for used nuclear fuel.

24 Next slide, please. So as part of this
25 research project that DOE has taken, DOE convened

1 a technology review panel, which is composed of
2 several different organizations. It's primarily
3 being led by the U.S. Department of Energy, with
4 support from Oak Ridge National Laboratory, from
5 the Electric Power Research Institute, from the
6 Hanford Tank Waste Operations and Closure, and of
7 course from Southern California Edison.

8 The purpose of this technology review
9 panel is to look at all of the available acoustic
10 emissions technology, or all of the different
11 technologies available to monitor -- to
12 automatically monitor the structural health of the
13 stainless steel canister used for used nuclear
14 fuel.

15 So as part of this task, we're conducting
16 several rounds of down-selection from the -- all
17 of the companies are part of the down-selection
18 process, and at the end, once we do a final
19 down-selection, we are hoping to use that
20 technology to demonstrate that at a real life
21 facility or -- or at a DOE facility.

22 Next slide, please. So in the past, the
23 U.S. Department of Energy has been investing in
24 different technologies under the University
25 Research Program or under the Small Business

1 Innovation Research Programs, and previous efforts
2 led by the DOE Office of Environmental Management.
3 So we took all of these years of investments from
4 DOE into universities, small businesses, and other
5 projects within DOE, and we invited several
6 performers to be part of the technology review
7 panel.

8 So some of these companies work on
9 acoustic emissions, on electro-magnetic acoustic
10 transducers sensors, guided wave sensors, and
11 fiber optic sensors.

12 Next slide, please. So here's just an
13 overview of the technology down-selection. We
14 invited a number of technologies, like I mentioned
15 in the previous slide, a number of companies, some
16 of them working with more than one -- one type of
17 technology. We had a set of criteria. We invited
18 them in different rounds to perform, so each round
19 we would tell them to tell us about their
20 technology and how it would meet different
21 criteria. So, for example, how -- how good would
22 it be at staying in place for a longer period of
23 time? What do you need to keep it in place? How
24 well it would detect different conditions within
25 the surface of the canister?

1 After each round, we try to eliminate one
2 or two technologies. So we continue doing this
3 until we were down to two technologies, which you
4 can see it's under the pre-demo testing summer
5 2026 timeline. The two companies are called one
6 is Guidedwave, and the other one is called
7 Sensible Photonics. We released a press release
8 earlier this year. These two companies were
9 invited to perform on a final round that is
10 currently taking place at the Center for Used Fuel
11 Research at Idaho National Laboratory.

12 We are hoping to be done on this testing
13 by a few weeks before the end of the summer, so
14 just, you know, probably two weeks, and after
15 that, these two companies are going to be
16 presented on their results to the technology
17 review panel, and we'll use those results to make
18 the final down-selection.

19 And in -- in summary basically what these
20 companies are doing right now at Idaho National
21 Laboratory, they are installing their sensors
22 on -- on a DOE canister, on a mockup canister, and
23 we're basically breaking the lead of the pencil on
24 the surface of the canister, which mimics well the
25 conditions of a cracking produced due to

1 chloride-induced stress-corrosion-cracking.

2 So we -- DOE is administering that setup,
3 and then the companies are using their sensors to
4 detect how well their sensors can detect and how
5 far away from the -- the location of the -- of the
6 failure, if you will, they -- they are able to --
7 to detect.

8 So, like I said, we will be having one
9 final meeting in September. I'm hoping that we
10 can do the final down-selection before the end of
11 September. That would be followed by a press
12 release saying who has been selected and who is
13 moving towards a demonstration, which is going to
14 take place in early 2027.

15 Next slide, please. So for this
16 demonstration, we are actively exploring the
17 possibility of deploying the selected technology
18 at the SONGS test canister. So, if it happens, it
19 will happen in early 2027. SONGS is one of the --
20 I think it's the only site that has a test
21 canister in the U.S. So it's really useful for
22 DOE on this research project to -- to do this
23 demonstration and really the goal here is to
24 show -- is for DOE to show that this technology
25 could be deployed, and in the future it could be

1 used at a federal staging facility.

2 So just to finalize, I want to leave you
3 with a couple of thoughts: The first one is that
4 the NRC does not require the owners of a spent
5 nuclear fuel to use acoustic emissions or any type
6 of automatic sensing to inspect the canisters. So
7 that that is not a regulation right now.

8 Second one is that this is solely a
9 research project being conducted by DOE. This is
10 not a research project by SONGS. SONGS is
11 partnering with us because of what I mentioned
12 just a few minutes ago. They -- they are in a
13 unique position of having a test canister that can
14 be used for this demo, and we're hoping to start
15 the demonstration in early 2027. It'll likely be
16 there for a whole year. We'll -- after which
17 we'll -- we'll remove all of the sensors and
18 analyze the data, and that will inform how useful
19 this could be in a future federal staging
20 facility. And I believe this is my final slide.

21 CHAIRMAN DAN STETSON: Okay. Thank you
22 very much, Jorge.

23 Let me -- I know that there's going to be
24 a few questions. Might I ask you guys to raise
25 your hand from the CEP.

1 While we're waiting --

2 MANUEL CAMARGO: Yeah, you have Ted. Not
3 sure if we can tell -- Manuel here.

4 Yeah, you have Ted Quinn and then Victor
5 Cabral.

6 TED QUINN: Yeah, this is Ted Quinn, can
7 you hear me okay?

8 MANUEL CAMARGO: I cannot hear you very
9 well, Ted. If you can maybe adjust something
10 there.

11 TED QUINN: Let me see if I can -- is
12 that any better?

13 MANUEL CAMARGO: It's a little faint but
14 I can hear you anyway.

15 TED QUINN: Okay, okay. I did some
16 research on the past testing. I wanted to ask
17 Juan on the past testing that was both NRC and
18 EPRI-related, and I wanted to ask about what is
19 the target? Is it -- is the target intent to
20 evaluate is for chloride induced stress-corrosion-
21 cracking or -- or is it for dimensions? What is
22 the intent of the evaluation by these special
23 tools?

24 CHAIRMAN DAN STETSON: Manuel, maybe you
25 could repeat the question first so everybody can

1 hear it.

2 MANUEL CAMARGO: Okay, so I think the
3 question at high-level from -- from Ted was what
4 are -- what are we getting -- What is the purpose
5 of this? What are we getting at? Is it chloride
6 induced stress-corrosion-cracking, or some other
7 mechanism?

8 JORGE NARVAEZ: Yeah. So the -- the
9 quick answer to that question is yes. In addition
10 to doing this research demonstration, DOE is also
11 in collaboration with EPRI and the national labs
12 and finalizing research on chloride-induced
13 stress-corrosion-cracking at different sites
14 across the U.S. So this is going to be part of
15 that research. This demonstration is going to be
16 part of that, Yeah. We're currently working on
17 finalizing that research.

18 TED QUINN: Okay. And we'd always be
19 interested in what the acceptance criteria is that
20 you finally come up with. So thank you.

21 MANUEL CAMARGO: So, yeah, Ted's asking
22 that we share the -- well, that DOE share the
23 acceptance criteria, and it looks like they are
24 saying yes, that -- that will happen.

25 So next, Dan, is first Martha and then --

1 I had the sequence wrong -- next Martha and then
2 Victor.

3 CHAIRMAN DAN STETSON: Thank you.

4 MARTHA McNICHOLAS: Did I hear you right
5 when you said you used the breaking of a pencil
6 lead on a surface to mimic the start of a crack?

7 MANUEL CAMARGO: Correct.

8 MARTHA McNICHOLAS: Okay, where does that
9 come from? How is that -- how did you determine
10 that? Is that just graphite residue or, I guess,
11 where's the validation that says that that does
12 mimic a crack?

13 JORGE NARVAEZ: So there's been several
14 studies in this done by EPRI International Labs
15 DOE, and one of the ways in which chloride-induced
16 stress-corrosion-cracking can be mimicked is
17 through a pencil lead break. There are some
18 reports that I can share with the whole team after
19 this meeting if you would like to see just to
20 provide more information on that.

21 MARTHA McNICHOLAS: Okay, okay. Thank
22 you.

23 CHAIRMAN DAN STETSON: Go ahead, Victor.

24 VICTOR CABRAL: All right. Okay. Hey,
25 Jorge, Victor Cabral from San Clemente,

1 California. I just wanted to follow up on the
2 decommissioning, or actually the -- you guys
3 coming out to San Clemente here, the San Onofre
4 with the testing here on our -- what we have here,
5 it sounded -- We won't hold you to it -- but it
6 sounded like it's -- it's in a -- it's a possible
7 demonstration, not yet finalized. What needs to
8 happen to make that a final go? Because we'd like
9 to see you out here.

10 JORGE NARVAEZ: Yeah. So a couple of
11 things need to happen. First, we need to do a
12 final down-selection. So we need to have a
13 winner, and then we need to work with that company
14 to issue an agreement between the company and SCE
15 to set up the roles and conditions for the demo,
16 and there's also a need to have an MOU between DOE
17 and SCE, which I'm currently working on right now,
18 and I'm hoping to have that done within the next
19 couple of weeks so that it can be reviewed by SCE,
20 and we can move forward with the two agreements.

21 VICTOR CABRAL: I hope it all works out.
22 Thank you.

23 CHAIRMAN DAN STETSON: Help me, Manuel.

24 MANUEL CAMARGO: Garry Brown, and then go
25 back to John Taylor.

1 Garry, go ahead. Unmute your mic, Garry.

2 GARRY BROWN: Thank you. I appreciate
3 the presentation.

4 You've talked about the logistics and the
5 procedures, but could you, in laymen terms, just
6 say how a sensor would detect the initiation of a
7 small crack in a canister?

8 JORGE NARVAEZ: Yeah. So basically, you
9 would install the sensor either using some kind of
10 glue or either a mechanical setup, and the sensor
11 would basically be looking for sounds, vibrations
12 on the surface of the canister, and based on --
13 based on the data, it could determine whether a
14 crack is starting to form or has formed, that's
15 just basically how the technology works, just
16 listening to what's happening on the surface of
17 the canister.

18 GARRY BROWN: Okay, thank you.

19 CHAIRMAN DAN STETSON: Go ahead, John.

20 JOHN TAYLOR: Thank you, Juan. I was
21 just curious how having an actual test canister is
22 helpful? Are you going to induce some kind of
23 stress into the canister, or someone going to
24 break a lead while it's in its containment area,
25 or how -- how does it help you guys to be able to

1 use that exact test canister?

2 JORGE NARVAEZ: So this SONGS test
3 canister is the only test canister in the U.S.
4 that is located in a -- in a facility like this.
5 There's no other place like that. So the test
6 canister, I understand, has thermal heaters that
7 would mimic the different temperatures of a real
8 canister, so that's one thing. And also, it's
9 being enclosed by a cask or an overpack, so
10 that -- that's basically mimicking the -- the
11 actual conditions that you will have on a real
12 site. And, you know, besides the location that
13 being in -- in the SONGS ISFSI, that that's also
14 convenient.

15 JOHN TAYLOR: And then so you -- you guys
16 would set up your sensors, and then would somehow
17 break a pencil lead to hear that sound? Is
18 that --

19 JORGE NARVAEZ: Not at SONGS, no. We're
20 doing that at the DOE Idaho National Laboratory to
21 do the pre-demo testing. Once we finish that, we
22 will just install the sensors for the demo at the
23 SONGS test canister and just observe or listen for
24 any -- any defects within one year.

25 JOHN TAYLOR: And likely there wouldn't

1 be any, I would assume?

2 JORGE NARVAEZ: Correct.

3 JOHN TAYLOR: So you would just get no
4 sound or -- or just a baseline result, or
5 something like that?

6 JORGE NARVAEZ: Yeah.

7 JOHN TAYLOR: Okay. Thanks.

8 MANUEL CAMARGO: If I can just chime in
9 here on -- on maybe part of I think what John's
10 getting to, or is maybe the, you know, looking to
11 see if you get a false positive in the field. Is
12 that part of what you're looking for or not?

13 JORGE NARVAEZ: Yes. That's part of the
14 scope that we're working on, and so part of the
15 scope involves using artificial intelligence,
16 machine learning algorithms to detect between the
17 false positives and the real positives, so that's
18 part of the scope that we're going to be working
19 on, Yeah. So we need lots of data for that.

20 MANUEL CAMARGO: All right.

21 CHAIRMAN DAN STETSON: Back to you,
22 Victor.

23 VICTOR CABRAL: Yeah, I was going to just
24 ask, is the technology you're testing and using
25 right now, is it used in other industries? Is

1 that where you've gotten these models?

2 JORGE NARVAEZ: Yeah, I understand that
3 it's used in the oil industry in the -- for the
4 different pipes, and it's being used for a few
5 decades now. But it hasn't been used for --
6 particularly for the back end of the fuel cycles,
7 so that's something that, you know, we're trying
8 to move a state of the art towards an application
9 for -- for the back end of the fuel cycle.

10 MANUEL CAMARGO: Yeah, it has been used
11 successfully in the other fields. I hope it
12 works. Thank you.

13 JORGE NARVAEZ: Thank you.

14 CHAIRMAN DAN STETSON: Jorge, how long do
15 you anticipate the test is going to last before a
16 decision is made about the further possible
17 implementation?

18 JORGE NARVAEZ: By "implementation," you
19 mean future federal staging facility that would be
20 required to have this type of technology?

21 CHAIRMAN DAN STETSON: Yeah, well, before
22 you actually make the decision, I guess my
23 question is how long do you anticipate the test to
24 run at SONGS? Is it a year a couple years? What
25 do you think?

1 JORGE NARVAEZ: It's just going to be one
2 year, so we're planning our budget and scope for
3 one year from potentially February 2027 through
4 February 2028.

5 CHAIRMAN DAN STETSON: Okay. Thank you.
6 Victor, did you have another question?

7 MANUEL CAMARGO: No.

8 CHAIRMAN DAN STETSON: Okay. Just a real
9 brief comment with reference to this, gosh, more
10 than a year ago I was back in Washington, D.C. and
11 I was asked to brief new members of congress and
12 their staff as part of -- of Congressman Levin and
13 Fleischmann's caucus, and Paul Murray was on the
14 panel with me. And at that time I said, "Paul,
15 how are -- how are things going?"

16 Because I knew there were a lot of
17 cutbacks. He said, "Dan, my department's been cut
18 by 25 percent."

19 I go, "Oh no." I go, "No, Paul."

20 Well, and then I said, "Well, what about
21 the potential for the acoustic testing program?"

22 And he said, "Dan, it's still there."

23 So I'm thankful that this has withstood
24 the -- the cuts there, Also thankful that the DOE
25 has been pushing this, and also Southern

1 California Edison, because they don't have to do
2 this. And so I think everybody's coming together
3 as a team effort to push this, And I just want to
4 be thankful and thank everyone for doing that. So
5 thank you, Jorge, once again for -- for that
6 presentation.

7 And with that, let's move on to the next
8 slide. And now we have just another interesting
9 presentation, and that's on Nuclear Lifecycle
10 Campus's update. Now I'd like to turn it over to
11 Juan Uribe from the Department of Energy, who will
12 provide us with an update on the Nuclear Lifecycle
13 Innovation Campuses. I know that we're all
14 anxious to hear about this.

15 Juan, the floor is yours.

16 JUAN URIBE: Well, thank you very much.
17 I appreciate the introduction. I guess just as a
18 way of virtual shenanigans, can someone please
19 confirm that you can hear me okay?

20 VICTOR CABRAL: Yes.

21 CHAIRMAN DAN STETSON: You sound great.

22 JUAN URIBE: All right. Excellent.

23 Thank you very much.

24 Well, let me start off by saying that for
25 me, it's an absolute pleasure to be here. I think

1 this is the second time I've been able to -- to
2 talk to the panel, and the topic for today is the
3 Nuclear Lifecycle Innovation Campuses.

4 As a way of introduction, my name is Juan
5 Uribe. Currently, I am the acting director for
6 the Office of Disposal R&D (Research &
7 Development). I have about 19 years of a federal
8 career. I spent about 14 and a half at the
9 Nuclear Regulatory Commission before transitioning
10 for the last close to five at the department.

11 So if you can go ahead and go to the next
12 slide, please. Okay. So for the purposes of just
13 background, and without being aware of how much
14 folks are -- are aware of now of what the Nuclear
15 Lifecycle Innovation Campus effort is, I thought
16 I'd spend a couple of minutes on -- on sort of
17 that background. And really is the -- the
18 administration's initiative to reestablish our
19 global leadership in nuclear energy. And the
20 Nuclear Lifecycle Innovation Campus is really that
21 framework to address the back-end part of the
22 nuclear fuel cycle, which is -- which is a problem
23 that that we need to solve.

24 It is guided by Executive Order 14302,
25 which was signed in May of 2025. And the -- the

1 bottom line is it really is a bold first-of-a-kind
2 initiative here in the U.S. in which DOE invited
3 all states to express their interest and a request
4 for information about potentially hosting a
5 Nuclear Lifecycle Innovation Campus.

6 So what is the -- essentially the -- the
7 main vision? It really is to build integrated
8 nuclear ecosystems as opposed to having scatter
9 facilities. The campuses, as we refer to them,
10 aim to anchor integrated full cycle nuclear
11 ecosystems that support the entire nuclear value
12 chain. And as a -- as a -- as a cornerstone of
13 that is really the permanent waste disposition of
14 any campus.

15 So really this is a big step for us,
16 because it does reframe the waste management
17 conversation from prior efforts. And what I mean
18 by that is, well, first of all, it moves away from
19 the single site deep geologic repository. So
20 we're no longer talking about the 30, 40 miles of
21 underground tunnels at one specific location.

22 Another big part of this effort is it
23 really focuses on maximizing and capitalizing on
24 the resources that use nuclear fuel, and it does
25 so by promoting reprocessing and recycling

1 activities, which are also guided by executive
2 orders.

3 And what this does also is it allows for
4 separation, for example, of very valuable
5 isotopes, like rhodium or molybdenum, or it also
6 allows for recycling and creating advanced fuels
7 for next-generation reactors. That obviously
8 helps to minimize the overall waste volume that
9 would otherwise be directly disposed of, but also
10 increases the economic output of hosting a campus.

11 And then, obviously, for the remaining
12 high-level waste coming out of their striking
13 operations, or for used nuclear fuel that we
14 directly disposed of, it also leverages updated
15 technology, existing data, years of R&D and
16 research. But the other big piece is we're also
17 looking at deep orbital disposal as an alternative
18 mechanism for disposing of the high-level waste.

19 I do want to emphasize because it's a
20 question we get a lot, This is not a continuation
21 of collaboration-based siting, or conversely, on
22 the other side, we're not reinventing the wheel.
23 This is really -- this is really just an evolution
24 of our siting process based on lessons learned,
25 insights gained. So it's neither a full

1 continuation or -- or starting from scratch.
2 There are a lot of lessons learned that we've had
3 throughout the years that are certainly
4 incorporated and reflected into this new and bold
5 approach.

6 And as I mentioned before, once again,
7 the no single point is also a big part of our
8 conversations with this effort, because ultimately
9 the goal is to site these facilities and have both
10 the benefits and the operational models across
11 three campuses. Therefore, the used nuclear fuel
12 and the benefits are more proportionally
13 distributed among the hosts.

14 I want to reemphasize our -- our
15 unwavering commitment for engagement, including
16 and -- and with tribes.

17 The -- the other, I guess, new approach
18 for us, if you will, is in prior efforts, we've
19 always received the question about, well, if
20 you're starting with communities for siting and
21 interim storage facility, you're kind of working
22 your way up to engaging the states. That may be
23 too late, or how is that going to work?

24 So right off the bat for this initiative,
25 the states were involved from the onset, all the

1 way up from the governor's office, and if you look
2 at the -- at the RFI, it specifically pointed out
3 the engagement with communities and tribes as --
4 as -- as having those conversations with everyone
5 right off the bat. Right off the gates those
6 conversations would happen.

7 And so we've seen a lot of great success
8 so far with this model. Obviously, there's a lot
9 of work to be done, a lot of conversations that
10 still remain to be had, but it certainly has been
11 a very rewarding way and an effective way to begin
12 those conversations.

13 And then, like I said, the DOE throughout
14 the process has an unwavering commitment to
15 respect the tribal sovereignty and engage with --
16 with tribes as needed along the way. So with
17 this, let me just -- if you -- if you can, just
18 quickly part of the initiatives along the nuclear
19 campus may include, but are not limited,
20 enrichment, fabrication, generation of advanced
21 reactors, recycling, cornerstone is obviously the
22 management and disposition of used nuclear fuel
23 and high-level waste, but there could also be some
24 ancillary ecosystems that are desired by the
25 state, so like advanced manufacturing or data

1 centers, or things like that.

2 So let's talk a little bit about the
3 timeline. This effort was released, the RFI,
4 request for information, was released in January
5 of 2026, and it closed April of 2026.

6 So if you can go to the next slide,
7 please. So we were very surprised and incredibly
8 happy with the robust response and acceptance. So
9 we received 28 applications from 26 different
10 states demonstrating an interest to respond to
11 the -- to the RFI. And it really is -- let me
12 just -- and this is going to sound a little
13 cliché -- but it really is an exciting time to
14 lead these efforts, because what we're really
15 seeing is a lot of bipartisan support, and I do
16 want to highlight Congressman Levin's efforts
17 in -- in this and -- and other efforts as well
18 from California. We're seeing industry support.
19 We're seeing, you know, regulatory overhaul
20 from -- from the NRC. There's a lot of state
21 interest in this, as evidenced by the responses.

22 And so what we're really seeing is it's
23 really an alignment of -- of the planets, if you
24 will, and we're making really good progress, and
25 the vision by this administration to push this

1 forward has been -- has been incredible.

2 On July 28, so very recently, Secretary
3 of Energy Chris Wright announced five states as
4 potential hosts, and those include Utah,
5 Tennessee, Oklahoma, Louisiana, and Idaho as
6 potential host states. And I do want to take a
7 minute to reemphasize that these are not campus
8 states, these are not NLIC states, these are
9 essentially the first round of down-selection, and
10 they are contenders in which now we are able to
11 have more detailed and focused discussions about
12 making this a reality.

13 You have Tennessee and Idaho that have
14 established nuclear backgrounds, for example, and
15 nuclear savvy communities. You have, you know,
16 Louisiana also shares a strong nuclear base
17 with -- with two power plants. Oklahoma, while
18 they lack, for example, a commercial nuclear
19 industry, their oil and gas and drilling expertise
20 is very strong, and so this overlaps with borehole
21 storage and other parts of the siting. And then
22 last, but certainly not least, Utah is a very
23 strong player. They have identified a host
24 community and exploring campus possibilities, and
25 so we're really excited about the momentum that we

1 have so far in really making tangible progress.

2 I think, Dan, I don't want to quote you,
3 but I think you said it best, it was -- it really
4 is an opportunity to make significant strides
5 in -- in this where we've had some challenges
6 in -- in the past.

7 So let me talk a little bit about the
8 next steps. So we have memorandums of
9 understanding with five states. Really, the next
10 steps are to begin more detailed discussions and
11 transition from this to -- to potentially a host
12 agreement that is certainly conditional on
13 legislation being changed. But, essentially, this
14 host agreement will set the groundwork for
15 identifying, for example, mechanisms for binding
16 agreements. How do we make this durable and
17 lasting? Benefits, both at the state level, at
18 the community level, and/or, for example, any
19 other aspects that we want to discuss with the
20 states at the time.

21 Obviously, a big piece of this is also
22 finalizing what a campus would look like. We have
23 concepts of -- of that, but ultimately, if you
24 look at it from a kind of choose-your-own-menu
25 scenario, it really is up to the state to figure

1 out what parts of the ecosystem are desired, and
2 then you start to look for locations, and that's
3 how you start to essentially shape your campus
4 with, as I mentioned before, disposal of
5 high-level waste and used nuclear fuel as a
6 cornerstone of every campus.

7 So the other part that -- that needs to
8 be discussed is obviously the financing --
9 financial models -- financing models and
10 frameworks. For example, looking at our office of
11 energy dominance finance and giving priority
12 access to -- to loans to make a lot of this
13 happen. And as I mentioned, the mechanisms for
14 making this durable and lasting.

15 I think another very important step right
16 now is the conversations that -- that the states
17 may be having with private entities interested in
18 the reprocessing and recycling business. You
19 know, questions about, for example, the -- the
20 capital cost to -- to start, which is always --
21 the high capital cost is always a topic of
22 conversation around reprocessing, and -- and
23 obviously there's legislative requirements that
24 exist at the time that we recognize and
25 acknowledge need to be changed. So there's a lot

1 of efforts on the congressional side to make
2 strides in that front and actually pave the way
3 for this to -- to become a reality.

4 Next slide. And then once again, this is
5 a conceptual rendering, a very simplified
6 conceptual rendering, just for illustration
7 purposes. I do want to emphasize that benefits of
8 each campus are greatly going to depend on the
9 final selection of campus facilities, timing of
10 construction, and things like that. But
11 ultimately, projections, initial projections for a
12 full campus, have estimates of around 22,000
13 permanent jobs. Figures in the approximately 9
14 billion in annual state and local tax revenue,
15 capital cost investments from the -- from the
16 private side of around the 50 billion.

17 So there -- there really is a lot of
18 multi-generational and very high economic
19 potential with hosting a campus, and we are
20 working diligently every day to -- to make this a
21 reality, and yeah, I think that's my last slide.

22 So thank you for -- for the time.

23 CHAIRMAN DAN STETSON: Thank you very
24 much, Juan. We really appreciate the update, and
25 I agree that this is a new and a bold effort, and

1 it's been going on for a while.

2 I remember back in the Obama
3 administration, the DOE hosted a series of
4 workshops around the country, and I was asked to
5 participate. And I remember getting up and
6 testifying that for a community to agree to host a
7 site, they must have confidence in, number one,
8 that it's safe; and number two, there needs to be
9 an immediate and long-term value proposition for
10 the community, and this proposal seems to -- to
11 address that. So I think that that's good.

12 I know we've got some questions here.
13 Ted, you're number one. Unmute yourself and --

14 TED QUINN: Sure. I have a new
15 microphone. Can you hear me better?

16 CHAIRMAN DAN STETSON: Much better, much
17 better.

18 TED QUINN: Very good, very good.

19 Yeah, Juan, this is Ted Quinn, past
20 president, American Nuclear Society, and a CEP
21 member. And I want to really congratulate you
22 on -- on what you're moving forward, John Kotek
23 and so many others from the history of the
24 department. I see this as a great evolution. I
25 tell you I was at a briefing in Texas yesterday.

1 Marla Morales from your staff gave a briefing, and
2 and four out of five of the -- representatives
3 from four out of five of those states were in
4 attendance. There was a tremendous amount of
5 excitement that related to -- to jobs, to
6 investment, to the research activities would go,
7 and -- and there were two reasons, I think, one
8 was that you went to the states first. You said
9 it earlier. Lessons learned, say that you did go
10 right to the states, and that was a framework for
11 their evaluation of communities. And second, that
12 your consent-based is your focus.

13 And so I had just a question that we
14 tried to tried to confirm yesterday, it appears
15 that there's a small change in legislation that's
16 required, and that would be to remove -- ask you
17 to confirm this -- to remove Yucca Mountain as the
18 sole and only location. So it appears it would be
19 a small legislative change. And do you think we
20 could do that in the near term, make that happen?

21 JUAN URIBE: Well, so thank you for your
22 question. I just want to echo your words. I
23 mean, I think Marla, not from my staff, but she's
24 my boss, so I have the pleasure of working for her
25 every single day. You know, she -- she is amazing

1 at what she does.

2 And like you said, it's been a very you
3 know laborious effort. There are, with regards to
4 legislative changes, you know, multiple trains of
5 thoughts about whether you do overhaul or you do
6 more of a surgical kind of changes to do, you
7 know, minimal changes that could -- that could
8 expedite moving forward. Regardless of where we
9 end up, the answer is at the speed that we want to
10 move, certainly those legislative changes are
11 envisioned near term, and we do envision,
12 obviously, removing a couple of the things that
13 preclude us from moving forward long term.
14 There's a lot of things that we can do near term,
15 but longer term, you know, removal of Yucca
16 Mountain is certainly one of them. There are
17 also, for example, limits on fuel that you could
18 put on a pad, as well as other limits currently in
19 the NWPA that -- that could be revisited in light
20 of the new effort.

21 So that is sincerely our -- our
22 biggest -- one of our main focuses and biggest
23 targets is to have the legislative runway to be
24 able to accomplish this.

25 TED QUINN: Good. Thank you and good

1 luck. I hope you can do it.

2 JUAN URIBE: Thank you, thank you for
3 your question.

4 CHAIRMAN DAN STETSON: Thank you, Ted.
5 Victor?

6 VICTOR CABRAL: Yeah, first of all,
7 congratulations to this administration for the
8 progress. I didn't think we'd see this much
9 progress in such a short period of time, but I
10 think this administration deserves a lot of praise
11 for what they've been able to do, and including
12 the Department of Energy, how quickly they've
13 moved on this.

14 But I have a few questions, and as has
15 been mentioned, you know, it seems to me check all
16 the boxes is safe, and value -- value proposition
17 and consent-based are all critical to this. But
18 my -- my real question is about it does seem like
19 there's a lot of parts to -- to this from
20 everything from the storage, to generation, to,
21 you know, manufacturing to the whole menu of
22 things. So is -- will each state pick from that
23 menu and say, This is what we can offer, or is
24 it -- you know, is there a minimum number of -- is
25 storage required from each of them, or how do you

1 envision that rolling out?

2 And my second part of that question would
3 be: Do you have -- are you rolling out certain
4 parts, or do you envision rolling out certain
5 parts of it more quickly than others, or that's
6 all to be determined?

7 JUAN URIBE: I'm just making notes on
8 your questions to make sure I remember. So first
9 I'll start with echoing, I mean, incredible, you
10 know, recognition of this administration's effort
11 to move the ball forward, you know, six -- at the
12 beginning of the year if you were to ask me that
13 that we would be where we are, I would have, you
14 know, kind of looked at you twice, but yet here we
15 are, and so it really -- it really is a testament
16 to -- to the bold leadership that we're seeing in
17 this effort.

18 To your second point, I think that
19 certainly it is each state's decision to identify
20 what aspects of the campus are best suited to
21 their long-term, you know, vision and economic
22 growth desires. As I mentioned before, for
23 example, you know, uranium mining is not available
24 at all parts of the country, right? So you have
25 to -- that's one that you would have to identify

1 as -- as an optional, if you want, depending on
2 the geography. Some states may desire generation,
3 others may desire a data center, but certainly,
4 just to reemphasize, the cornerstone of this and
5 where it's really trying to move the ball forward
6 that we haven't been able to do for a number of
7 years is spent fuel and high-level waste is the
8 cornerstone of each campus.

9 And so I think the last part of your
10 question was certainly there are aspects of the
11 campus that can be rolled out in -- in sequence
12 and not all at the same time. There are, for
13 example, efforts associated with workforce
14 development that could be implemented ahead of --
15 years ahead of actually turning the lights on and
16 accepting fuel that would prepare the campus for
17 the -- the growth that is projected. There are
18 things, for example, like a visitor center, like
19 you would see at other international facilities
20 that are similar to -- to what we're trying to
21 build where you can have a vehicle for engagement,
22 community engagement, discussions, education, and
23 things like that.

24 And then, obviously, you know, starting
25 with a Part 72 ISFSI to try to start removing some

1 of the fuel is -- is certainly something that we
2 would look to do near term, as we have finalizing
3 the negotiations.

4 I hope that -- that answers the --

5 VICTOR CABRAL: No, it does. Thank you,
6 thank you. I have more questions, but I'm going
7 to let me colleagues ask.

8 JUAN URIBE: That's okay. That's okay.

9 CHAIRMAN DAN STETSON: Thank you, Victor.
10 Garry, Garry Brown.

11 GARRY BROWN: Yes, thank you. I have two
12 questions. One is easier probably. The first
13 is -- is would any successful state in becoming a
14 campus, would they have to agree upfront that they
15 will accept nuclear spent fuel from other states?

16 JUAN URIBE: The short answer is yes. I
17 think if you look at a campus in which you only
18 intake fuel from within state, it's not really
19 moving the ball forward in addressing the problem
20 that we set out to address in the first place.

21 GARRY BROWN: Okay. My second question
22 is a little more complicated; we've had a
23 presentation on the new concept of new core and
24 more of a different structure to handle spent fuel
25 because the last 43 years haven't been all that

1 productive from the Department of Energy, and so
2 in those conversations, one of the major problems
3 outlined was every time we get a new
4 administration, the whole ball game changes, and
5 so I guess my question is is the pressure to get
6 as much done as possible, so you're too far down
7 the road to have another administration come in
8 and pull the rug out and go a different direction?
9 Because that has happened in the past. How would
10 you respond to that?

11 JUAN URIBE: No, no question about it. I
12 mean, there's been numerous studies throughout the
13 years that have different models. I've seen all
14 the way from fully private entity to, you know,
15 kind of private federal entity to simply staying
16 as a federal entity, but as an independent office.
17 So think about like reinstating what used to be
18 OCRAM. So still within DOE, but an independent
19 office. So the -- the ranges of options run, you
20 know, the gamut.

21 I will say two things: The first one is
22 we are really seeing a lot of bipartisan support
23 that, perhaps, was not as prominent in -- in prior
24 times. So that is really a big driver of having
25 this be a durable and lasting effort. In addition

1 to having, essentially, the -- the states from the
2 governor's office and down be involved and
3 essentially be champions of their own campus
4 initiatives, right? We see those two as very
5 valuable points in going forward.

6 Ultimately, the decision to move to, you
7 know, an Operating 2.0, if you will, or be a
8 private entity is -- is a decision that goes way
9 higher than -- than my paycheck, and so I would
10 certainly think that there's a lot of folks
11 looking at this in -- in a more focused lens, and
12 the decision that they're going to make is -- is
13 the right one for the future of the program, which
14 we all can stand behind that.

15 GARRY BROWN: Okay. Thank you. That's
16 good to hear.

17 CHAIRMAN DAN STETSON: Yeah, yeah. That
18 really relates to our last presentation when we
19 had Allison McFarlane and Lake Barrett describing
20 their thoughts of having an independent
21 implementer with access to the funds necessary.

22 So, Martha, you've been waiting very
23 patiently. What is your question? You're on
24 mute.

25 MARTHA McNICHOLAS: Sorry, I guess

1 more -- it's more of a clarification. So we have
2 five states now that are willing to go forward.
3 Is the ultimate goal to have all five, or are we
4 looking at three or two? I know the idea is not
5 to have a single entity.

6 JUAN URIBE: Yeah, certainly the idea is
7 not to have a single entity. The opposite side of
8 the spectrum is these campuses are obviously
9 not -- not cheap, and if you want to establish a
10 recycling industry that that is profitable, then
11 perhaps having five the economics of it are
12 diluted, and so the -- the target right now is to
13 have three campuses.

14 MARTHA McNICHOLAS: Okay. All right. I
15 thought I heard three, and then I go, well, wait a
16 minute, how do you get from five to three or -- is
17 that -- because that would be the next step. And
18 I guess that -- what's the process there? You
19 have -- you're going to have MOUs with all five
20 and then --

21 JUAN URIBE: Right. So just as a -- as a
22 way of reminder, we actually went from 26 to five.
23 So it's not the -- it's not the -- it's a
24 continuation of a process, right? And so we have
25 MOUs, and I think, you know, respect -- respecting

1 every -- every state's, sort of, cadence and --
2 and time to make informed and -- and transparent
3 decisions and engaging with their communities and
4 things, a lot of that is -- is what's going to
5 inform the next steps, you know, the discussion
6 around benefits, around timeliness, the
7 legislative runway to implement these facilities
8 in the states. There's a lot of things that
9 influence those conversations and going forward.

10 MARTHA McNICHOLAS: Okay. So there's --
11 it's not a specific, oh, have to be this have a
12 profitability statement by next June, and then you
13 go on to the next step. It's a -- it's a
14 combination of things.

15 JUAN URIBE: It really is a combination
16 of things. And once again, it's -- it's very
17 respectful of each state's cadence and needs for
18 different kinds of information. Whereas, one
19 state may have a particular focus on X, Y, Z; the
20 other one may have an additional, you know, need
21 for other types of information, and so it really
22 is a desire to -- to respect that process.

23 MARTHA McNICHOLAS: Okay. Thank you.

24 CHAIRMAN DAN STETSON: Thank you, Martha.
25 I've got a couple of questions, if I may,

1 we've been told over time that recycling or
2 reprocessing is -- is actually really expensive,
3 and it's cheaper to mine uranium than it is to
4 recycle or to reprocess. We -- we've also have
5 been told that plutonium is one of -- one of the
6 byproducts of this, and then of course
7 reprocessing or recycling doesn't eliminate the
8 final waste product, so we're still going to need
9 a final repository, and we've already pitched in
10 over \$50 billion to -- towards paying for one.

11 So could you please address the cost and
12 how we're going to pay for it? The plutonium, you
13 know, how are we going to safeguard it, and what's
14 going to happen to our \$50 million in the Nuclear
15 Waste Fund?

16 JUAN URIBE: Well, so let me start by
17 saying that you -- you ended up with, I guess, a
18 discussion point that is often overlooked, and
19 it's the fact that even if you establish a
20 recycling or reprocessing operations, you still
21 have a need for a repository. It doesn't
22 substitute the need for -- for a final
23 disposition. Sure, it does have the capability to
24 reduce the volume, but it doesn't substitute the
25 need for having final disposal. I want to be

1 sensitive. I don't want to comment on the cost.
2 Because, you know, that's I think a question for
3 each of the private entities and their business
4 case and the types of fuel they desire and other
5 aspects, so I don't want to, you know, predispose
6 or pre-assume that that it is profitable and cheap
7 or expensive and not profitable. I think that's a
8 question that can better be addressed by each
9 individual company that is in the business of
10 pursuing recycling and reprocessing.

11 Certainly we've seen a lot of these
12 companies come out, so there -- there has to be
13 some level of initial, you know, you know,
14 feasibility and profitability conversations that
15 they've had to be able to proceed down this path.
16 The only thing I will say with certainty is that,
17 you know, based on executive orders, this
18 administration is really trying to pursue or push
19 having recycling as -- as a core component of the
20 nuclear lifecycle ecosystem, and certainly DOE is
21 is making significant strides in other offices
22 within the Office of Nuclear Energy. For example,
23 several NOFOS in -- you're going to have to excuse
24 me because the acronym I know changed -- It's
25 funding opportunities, Notice of Funding

1 Opportunities NOFOS, have gone out requesting,
2 essentially, providing funds to these recycling
3 companies to advance in research and things like
4 that.

5 So certainly the -- the investment is
6 there. The companies are coming up, but like I
7 said, I think the profitability of the business
8 case is really an individual response from each of
9 the companies.

10 CHAIRMAN DAN STETSON: Okay. Thank you
11 very much. I see Fred has his hand up. Fred?

12 FRED BAILLY: Yeah, thanks, Juan, for the
13 update. As you can tell, this is triggering quite
14 a -- quite a few questions and comments. I'm
15 really excited, and I think we in the -- in the
16 industry are very excited with what's happening
17 here. I want to say SCE is happy to support, and
18 we do have a vetted interest in seeing a program
19 up and running in spent fuel space bringing the
20 promise of actually managing spent fuel across the
21 U.S., which means seeing a path to removing the
22 fuel from San Onofre.

23 JUAN URIBE: Yeah.

24 FRED BAILLY: So our fuel -- our fuel is
25 safely stored, but the community did not sign up

1 for indefinite storage here.

2 JUAN URIBE: Of course, of course.

3 FRED BAILLY: And I agree, the campuses
4 will need a disposal, whether there's reprocessing
5 or not. So they will need a buffer storage,
6 whether it's for reprocessing or for disposal for
7 spent nuclear fuel.

8 Just wanted to point here, we're making
9 sure we'll be ready to ship our fuel when a campus
10 is ready to accept it. I think there's no need to
11 wait for the entire campus to be up and running to
12 start moving spent fuel from shutdown sites and,
13 indeed, from SONGS.

14 CHAIRMAN DAN STETSON: And Fred, correct
15 me if I'm wrong, but you are already shipping some
16 materials up to Utah currently; correct?

17 FRED BAILLY: Oh, yeah. Oh, so one of
18 the states, one of the five is Utah. It just
19 happens that, yes, we're shipping all our
20 low-level waste right now to Clive, Utah, using --
21 using rail transportation, but if -- I mean,
22 there -- there are five candidates. We'll see
23 where it goes, but certainly we're very
24 interested.

25 CHAIRMAN DAN STETSON: Thank you, Fred.

1 Victor, looks like you have another
2 question.

3 VICTOR CABRAL: Yeah, back to me again.
4 Thank you for -- for being here. I'm trying to
5 get a better understanding of the model you're
6 trying to create for these campuses. So is it --
7 is it possible at a campus that you may have six
8 different entities participating in a campus? One
9 that wants to generate nuclear fuel, one that
10 wants to store it, one that wants to have a
11 battery storage, all separate entities working on
12 this one campus, or does it have to be one unified
13 entity that does it all?

14 JUAN URIBE: No. So two things to
15 clarify: A campus for illustration purposes is
16 you and -- and, you know, can be, you know,
17 considered as the one site and for illustration
18 purposes, I had a rendering there, but it can also
19 be more of a hub and spoke model, where you have
20 certain components of it located on one side, and
21 then your disposal, you know, some distance away.
22 It doesn't have to be, you know, everything within
23 the one fence.

24 I do want to emphasize that the disposal,
25 the permanent disposal of fuel is -- is certainly

1 a federal facility, so there's going to be federal
2 responsibility and a facility. But certainly, if
3 a state wanted to have, you know, power
4 generation, then they certainly have a plethora
5 of, you know, private entities that are pursuing
6 advanced reactors, as we all know today, and they
7 can certainly, you know, go into business with
8 with these private entities for other aspects of
9 the lifecycle.

10 So there are efficiencies to be gained.
11 Obviously, it's kind of one of those where, you
12 know, I've heard it build them and they will come
13 kind of scenario. So if you start to collocate
14 and the government, you know, transports the fuel
15 to the campus, then it makes sense for a
16 reprocessor to be there as well, right? Because
17 in -- and that's a major chunk of the cost, then
18 you have, you know, the isotope production now
19 makes sense to be there as well. For that, you
20 need power, so maybe, you know, you need -- you
21 need, you know, manufacturing or advanced
22 generation. And so that's how the ecosystem
23 starts to essentially complement off each other,
24 feed off each other.

25 VICTOR CABRAL: Okay. All right. Thank

1 you for that.

2 CHAIRMAN DAN STETSON: Okay. John
3 Taylor.

4 JOHN TAYLOR: Yeah, thank you for a great
5 discussion, and it's a very exciting prospect. If
6 you saw everything going as planned, when would
7 the fuel come off of San Clemente? Just what
8 do -- what do you think the time frame is? You
9 know, I know it's got to be decades, but just --
10 just curious.

11 JUAN URIBE: That's a great question,
12 John. If I saw everything as planned, I would --
13 I would probably win the lottery this week. No,
14 but in all seriousness, I mean, you know, we
15 obviously have some legalities to -- to address as
16 far as the order of the fuel in the NWPA. There's
17 certainly going to be discussions with the host
18 states as far as negotiations.

19 So I respectfully would decline to
20 comment on a date, because it's -- it's not
21 something that I want to, you know, say one and
22 then meet you for a cup of coffee, and then you
23 tell me the date passed. But I can assure you,
24 however, that we are actively looking at moving as
25 fast as we can, recognizing that we also have to

1 be respectful of the state's cadence in -- in this
2 approach, which is very individual, to be
3 transparent, to be open and communicative about
4 the process. And I think it, you know, if you --
5 if you if you stall it for too long, you risk not
6 making progress. If you make it too fast, you
7 also risk doing it wrong, and we really are in a
8 unique opportunity to really make tangible
9 progress.

10 And so I'd say more than -- than time, we
11 want to make sure we do it right.

12 JOHN TAYLOR: I see. Thank you very much
13 for that.

14 CHAIRMAN DAN STETSON: Okay. Oh my,
15 we've got a couple more. Fred.

16 FRED BAILLY: Yeah, I'll just give my two
17 cents and my guess of what it might take, and with
18 my background, I'm guessing it's probably if this
19 is moving forward quickly, maybe three to five
20 years to get licensing and the -- the railcars and
21 the transport casks available before you start
22 shipping, and then it's probably another three to
23 five years to ship the fuel. So my guess it's
24 probably the fuel's still going to be around for
25 another 10 year, if this is all moving forward.

1 CHAIRMAN DAN STETSON: Thank you, Fred.
2 And, Juan, as you know, the canisters at San
3 Onofre do not need to be repackaged, and they're
4 cool enough to go. So as soon as you can get
5 them, we are -- we're ready to hop on your train.

6 Martha.

7 MARTHA McNICHOLAS: What kind of -- all
8 of this is going to hinge on some legislation.
9 Who do we need to advocate to or for? Who --
10 which -- who's supporting this, and who do we need
11 to start getting our neighbors to write letters
12 to? You know what I mean? You know, is there
13 legislation pending? Is there somebody -- I know
14 Mike Levin is -- has been very supportive of this.
15 Is he the only one, or who can we write letters
16 to?

17 JUAN URIBE: No, there's certainly a lot
18 of champions. One is obviously, as you mentioned,
19 very close to home, Mike Levin has -- has been a
20 tremendous champion. Fleischmann from Tennessee
21 has also been a tremendous champion. You know, I
22 think that the folks within the -- the DOE
23 hallways are actively engaging those conversations
24 in the congressional hallways and making efforts
25 on that front, and we see that as -- as being

1 fruitful, the conversations that have been held so
2 far and coming to a positive resolution near term.

3 MARTHA McNICHOLAS: But you'll let us
4 know if there's somebody we need to start writing
5 to about a piece of legislation?

6 JUAN URIBE: Absolutely, absolutely.

7 MARTHA McNICHOLAS: Thank you.

8 JUAN URIBE: Thank you.

9 CHAIRMAN DAN STETSON: Okay. Manuel, do
10 you see anyone else, or are we good to move on?

11 MANUEL CAMARGO: I think you're good to
12 move on, Dan.

13 CHAIRMAN DAN STETSON: Okay. Well, Juan,
14 we really appreciate it. This has been a robust
15 and stimulating conversation and an excellent
16 presentation. So we really want to thank you for
17 that, and we want to invite you to come back
18 again, hopefully often as this progresses forward.
19 So thank you for that.

20 JUAN URIBE: Actually, yeah. So thank
21 you for the invitation. I'd love to -- to talk to
22 you and give you periodic updates and hopefully
23 one day make it to -- to the site. Yeah, thank
24 you for the invitation.

25 CHAIRMAN DAN STETSON: And we understand

1 you're going to be hanging around, because I know
2 we're going to have some questions from the
3 community.

4 With that, let's go ahead and move on to
5 the next slide. Okay. Now we have Joe Nowak with
6 SDS, who he's here to provide some information
7 regarding some batch releases.

8 Welcome, Joe. The floor is yours.

9 JOE NOWAK: Thank you, Dan.

10 Go ahead and turn to the next slide,
11 please. So, good afternoon. I'd like to provide
12 a brief update on water processing and batch
13 release activities here at SONGS. First, as Fred
14 had mentioned at the beginning of the
15 presentation, it's important to understand that in
16 2- -- 2025, SONGS completed processing of highly
17 activated water. This included spent fuel pool
18 water, water that remains today consistently,
19 primarily of rainwater, dust suppression, which we
20 use for the demolition activities and groundwater,
21 which contains significant low levels of
22 radioactivity.

23 The results are reflected in our -- our
24 monitoring data. Back in 2023, batch releases
25 included approximately 58 curies of tritium, while

1 year to date in 2026 releases have contained only
2 0.012 curies demonstrating a substantial reduction
3 in radiological contaminant.

4 Recently during demolition activities, a
5 hole was inadvertently created in the Unit 2
6 basement wall, approximately 15 foot below the
7 water table, this allowing groundwater to enter
8 into the structure. This groundwater is
9 collected, pumped from the basement, and managed
10 through our normal water processing and release
11 program. For your awareness, back of this
12 presentation, the read-only section, we have
13 additional information on the batch release
14 information.

15 Before any water is released, it is
16 sampled, analyzed to ensure compliance with both
17 NRC and license requirements and the NPDES, the
18 National Pollutant Discharge Elimination System
19 Discharge permit. Our primary treatment focus
20 is -- has been on pH levels. This mainly comes
21 from the concrete demolition debris.

22 As current, tritium concentrations
23 represent only a small fraction of our regulatory
24 limits. To address the groundwater intrusion
25 specifically, a specialty contractor has been

1 mobilized to repair the wall and stop the inflow.
2 Until that work is completed, we should expect an
3 increase in both the volume and frequency of batch
4 releases. It is also important to note that if
5 water does not meet discharge requirements, it is
6 not released. For example, in April, a batch
7 exceeded the total suspended solid limits and was
8 returned to the basin for further management.
9 Some of that water evaporated naturally, as you
10 can see in the photo that's on the slide off to
11 the right there you can see a discoloration of
12 where water was. So naturally occurring, it
13 evaporates off the concrete slab -- excuse me --
14 While the remainder of the water processed and
15 released in compliance with all requirements.

16 In closing, SONGS continues to manage
17 water safely, conservatively, and in full
18 compliance with regulatory requirements while
19 supporting ongoing decommissioning activities.

20 And that is the end of my presentation.
21 I'll turn it back over to you, Dan.

22 CHAIRMAN DAN STETSON: Thank you. Thank
23 you very much, Joe. Let me scan our CEP members
24 and see if anyone has a -- has a question.

25 I am seeing none.

1 Manuel, do you see any?

2 MANUEL CAMARGO: No, I don't see any
3 hands up, Dan.

4 CHAIRMAN DAN STETSON: Okay. So Joe,
5 thanks once again for providing us with the
6 information about the increased batch releases,
7 and we continue to look forward as once repairs
8 are completed.

9 So, Julia, next slide, please. Getting
10 ready to set up for our public comment here, once
11 again, are the directions for public comment. The
12 CEP comment form link is available to submit a
13 question or to sign up to speak online. The names
14 of individuals who have signed up to speak will be
15 displayed on the slide and be will be called
16 accordingly. Manuel from SCE will facilitate the
17 Q and A, and will call your name when it is your
18 turn to speak. As before, everyone has three
19 minutes per person to speak. A count-out timer
20 will be on the screen. We have a full hour
21 dedicated to the public comment segment of this
22 meeting. After public comments, Manuel will
23 facilitate the public dialogue, generally
24 addressing to the questions in order that they are
25 received. We will first cover questions that

1 relate to the panelists and the topics of this
2 evening. Then, after that, we'll address
3 questions related to other general topics,
4 presumably for SCE to answer.

5 Next slide, please. Okay. That's --
6 we're all ready for a little break. So I invite
7 you all to go grab a glass of water, and I'll see
8 you back in five minutes.

9 (Recess taken from 3:36 until 3:42.)

10 CHAIRMAN DAN STETSON: Just to refresh
11 what I just mentioned a moment ago, now we will
12 open for public comments and questions. The CEP
13 form link is on the slide. If you wish to sign up
14 or speak, names will be left -- will be listed on
15 the left slide -- left side of the slide speaker
16 queue in the order received.

17 Manuel, will now go ahead and facilitate
18 public comment.

19 MANUEL CAMARGO: Very good. At the
20 moment, we have one person signed up, Dan, for --
21 to participate in -- in oral public comment. We
22 also have some written comments that were sent --
23 sent in. So -- and I don't see any of the
24 questions that are -- well, I do see that -- okay,
25 Nina Babiarz, I think, is going to ask a question,

1 at least one question that would be for one of our
2 two DOE guest panelists. So why don't we
3 listen -- why don't we hear what questions Nina
4 has, and then -- and then we'll turn to the
5 broader set of questions.

6 CHAIRMAN DAN STETSON: Sounds good.

7 MANUEL CAMARGO: Okay. So if we can get
8 Nina unmuted.

9 Is Nina perhaps the 619 number with the
10 hand raised?

11 ROGELIO HERNANDEZ: She should be unmuted
12 now.

13 MANUEL CAMARGO: Oh, okay. Nina, can you
14 hear us okay?

15 Rogelio, is that the person with the hand
16 raised?

17 ROGELIO HERNANDEZ: But she's also on
18 Teams. I see her as Nina. If you want me, I
19 can -- I can do that number as well. So let me --
20 Okay. Nina, should be good.

21 MANUEL CAMARGO: Nina Babiarez?

22 ROGELIO HERNANDEZ: There she is.

23 NINA BABIARZ: Can you hear me now?

24 MANUEL CAMARGO: Yes.

25 NINA BABIARZ: Great. Can I take it off

1 speaker? Let me know when I can go.

2 MANUEL CAMARGO: Oh, please go ahead.

3 NINA BABIARZ: Nina Babiarz with Public
4 Watchdogs.

5 Edison having Nuccomm respond to the
6 community's technical questions without revealing
7 their technical source of that information is
8 unacceptable, negligent, and defies Edison's
9 promise to provide an open dialogue with its
10 community members. Since the ratepayers are
11 paying for everything regarding the
12 decommissioning and the demo activities, our
13 primary concern of this community and when we're
14 asking questions, is who are the experts and what
15 company, which companies are providing these
16 technical answers? Why? Because according to the
17 NRC's definitions, the following identifies
18 serious conflicts of interest and no objective
19 oversight to the condition of the canisters
20 whatsoever. Why? Holtec is the designer of those
21 cheap cans. Remember the Holtec's broken shims
22 and bolts in that failed design.

23 Number two, Holtec is the fabricator of
24 those cans now on the ground with broken bolts and
25 shims with a proprietary fix paid for with the

1 ratepayers' decommissioning trust fund, yet
2 unrevealed to what that fix really was.

3 Third, Holtec is the vendor, and the
4 vendor who designed the failed downloading system
5 leaving 73 cans scratched and gouged. Holtec is
6 also the certificate holder, keeping in mind that
7 that original Holtec certificate of compliance
8 with those cans stated there would be no
9 scratches.

10 And fourth, Holtec, according to an
11 e-mail by Marni Magna, also holds the aging
12 management contract to be -- supposed to be a
13 third-party independent contractor, who not only
14 does not have any objectivity, but according to
15 the CPUC Energy Division person who administers
16 the decommissioning trust fund, it was Edison had
17 changed the name of Edison's corrupted 2020
18 inspection and maintenance data collection and hid
19 it under aging management -- of course, you know,
20 Holtec has that contract too -- under the year
21 2027.

22 So, you know, I'd like to go back and
23 just remind this CEP of the charter and that SONGS
24 co-owners recognize the importance of open and
25 transparent dialogue with the local community in

1 respect to the decommission with respect to the
2 decommissioning activities. It also states that
3 the CEP is -- I'm quoting -- intended to serve the
4 conduit for public information and encourage the
5 community involvement and community with the
6 SONGS' co-owners on matters related to SONGS
7 decommissioning, on-site spent fuel management,
8 and off-site deposition of the spent fuel.

9 So I would encourage you to go back,
10 maybe read your own charter, and keep that
11 promise. Thank you.

12 MANUEL CAMARGO: Got it. Thank you,
13 Nina.

14 Okay, so with that, Dan, let's see, I
15 don't think we have anybody else in the online
16 speaker queue, but we do have questions, and I'll
17 go ahead and -- and we'll address these in the --
18 in the order they're asked. There are no
19 questions for our guest panelists at this time.

20 Okay. So first we have from Alice
21 McNally, and I think, yeah, so we'll have a couple
22 of people address these questions, Dan. So Alice
23 McNally says, No more vague answers about the
24 evaporation process -- She's talking about, I
25 guess, the evaporation of water here at the

1 site -- that is being carried out of SONGS
2 Nuccomm, has admitted that the process is being
3 used -- that the process is being used when the
4 radioactive liquid batch releases do not meet the
5 standards for discharge. Manny -- that would be
6 me -- says no. Many of the completed liquid batch
7 releases have not been discharged at the same
8 volume as planned. What happens? What is left in
9 the tank? Is it sent back into the basement to
10 evaporate? Do you have a permit or license to
11 cover evaporation?

12 So there's been some communication among
13 a few stakeholders, including Alice, and there was
14 an e-mail that went out, I think, just yesterday,
15 in which I was answering a question. So that --
16 that question was about whether Holtec was
17 conducting evaporation work for us at SONGS, and
18 the answer to that question was no.

19 As well, though, you know, any
20 evaporation that take to here -- to address the
21 rest of Alice's question, any evaporation that
22 takes here at SONGS -- takes place here at SONGS
23 is natural. We don't use any type of mechanical
24 or other means to artificially accelerate
25 evaporation, and with natural evaporation there

1 are no permits that are -- are required. All the
2 batch releases that we make do comply with
3 regulatory -- regulatory requirements. We've
4 talked about those batch releases many times, and
5 there's good information, some in the back of the
6 in the read-only deck and other information online
7 on www.songscommunity.com.

8 And so with respect to the volumes, there
9 are sometimes when the -- the tank that we use for
10 batch releases has some remaining water at the --
11 at the bottom of the tank at the -- at the end of
12 the release. So when we post on the website 48
13 hours in advance what we expect to release, and
14 then when we actually do release, sometimes the
15 release water will be a little bit lower in volume
16 because there's some water left in the tank. That
17 water stays there. At some point later, as we add
18 more water for the next batch release, then it's
19 all sort of blended, et cetera, and then we move
20 forward with our batch release process. So that's
21 an answer to Alice's question.

22 So next in line was Nina, and we heard
23 from Nina. So with respect to, you know, who
24 answers these -- these questions and what SCE does
25 in terms of our -- our communication with the

1 local communities, you know, we do very much take
2 seriously the questions that we receive from the
3 members of the public. We work hard to provide
4 accurate information in -- in plain English. You
5 know, behind that process through which we intake
6 and document questions and work with various
7 subject matter experts, you know, we work with
8 those folks in order to prepare -- prepare
9 answers.

10 That often -- often involves a variety of
11 professionals from, you know, environmental
12 protection, regulatory compliance, engineering,
13 physics, all that. I will say, though, that we do
14 not disclose the specific names of the employees,
15 but certainly these are folks with appropriate
16 expertise in their field of -- in the field for
17 which they are employed.

18 The SONGS communications team manages
19 that process of engaging the right subject matter
20 experts and handles the final answers, making sure
21 that those get delivered via e-mail using a
22 generic e-mail outbox/inbox that we have. It's
23 nuccomm@sce.com, and so that's the -- that's the
24 process that we use. You know, I'd like to say
25 I'm very proud of the fact that we, you know, as

1 Fred mentioned earlier we've done 55 of these
2 meetings with the public each one has had at least
3 an hour for public comment, plus what we do
4 online, and we've had special meetings as well.
5 We've brought in other experts beyond some of our
6 own, including just last October, we had Dr. Jimmy
7 Burns of the University of Virginia, also
8 associated with the Electric Power Research
9 Institute, and all that information is on the
10 website for that October meeting.

11 So, Dan, I'll -- I'll move to the next
12 question. So the next question is from Charles.
13 We have a couple of questions from Charles
14 Langley. So the first of the questions is who --
15 who is -- who is it that deemed robotic inspection
16 methods as proven?

17 So, for that, I'd like to call upon Mike
18 Bryson, our -- one of our engineers, to help
19 address that question. Mike Bryson.

20 MIKE BRYSON: Yes, thanks, Manuel. Yeah,
21 so proven robotic inspection methods and robotic
22 inspections, and -- and what's a proven robot,
23 right? So I think that's kind of the gist of this
24 question. It's -- it's inspection technologies
25 that have better been proven through

1 implementation in the nuclear industry
2 incorporated into the NRC approved aging
3 management program. So I think that's the key
4 there. These robotic systems allow the detailed
5 visual inspections and examinations of the
6 canister surfaces and welds in areas that aren't
7 readily available and accessible through the
8 direct human observation, just if we just put a
9 regular GoPro camera or any other type of method.
10 So SONGS has successfully used robotic inspection
11 technologies on both of our dry -- dry storage
12 systems as part of our established aging
13 management inspection program.

14 MANUEL CAMARGO: Got it, Thank you.

15 MIKE BRYSON: -- the answer.

16 MANUEL CAMARGO: Jorge is -- yeah, thank
17 you for that. Thank you for that answer. And
18 hang on here a second, Mike.

19 Do we still have Jorge on?

20 JORGE NARVAEZ: Yep, I'm here.

21 MANUEL CAMARGO: Okay. So we actually
22 did -- so same person from Charles Langley. He
23 just chimed in with another question, and we still
24 have -- I still have a couple of more from -- from
25 him, but this question is actually for you. The

1 question is: Can you explain what the pencil lead
2 testing is? Specifically, are they listening for
3 the sound of a pencil lead breaking? Are they
4 simulating cracks on stainless steel by breaking
5 pencil lead on a test canister, question --
6 question mark.

7 JORGE NARVAEZ: Yeah. So a great
8 question, and thanks for giving me the chance to
9 elaborate a little bit more. So this pencil lead
10 break test is based on a standard from a several
11 years ago, I believe, in which you can basically
12 mimic the crack of a surface and detect it using
13 acoustic emissions. So in this case you would
14 literally bring a pencil close to the surface of
15 the area that you want to test, and at an angle,
16 whatever angle you want, and just break the -- the
17 lead, and that would simulate some of the
18 vibrations that would occur if there was a crack
19 in -- on the surface of a -- of a canister, for
20 example.

21 So based on that, you can place sensors
22 around the place where you where you place the --
23 the break, the -- the lead break, and you can
24 detect how well or how well your sensors react to
25 that test, and also it's really important to

1 mention that this is a non-destructive evaluation
2 test. So when you do this, you're not really
3 damaging the surface of the canister. You know,
4 it's just a simple way to break something, break
5 the -- the pencil lead and then see how your
6 sensors will react to that event.

7 Over to you, Manuel.

8 MANUEL CAMARGO: Thank you. Thank you
9 very much. Appreciate -- GLAD -- glad you're
10 still on for us.

11 Okay, moving on. A couple other
12 questions. Both of these will be for Mike Bryson
13 with the SCE team, question number one is: Who,
14 slash, what agency or company is it that provides,
15 quote, support continued confidence in canister
16 condition, closed quote, clarity is needed for the
17 grammar on the last part of the statement?

18 So Mike -- got Mike Bryson on still?

19 MIKE BRYSON: Yeah, yeah, sorry about
20 that. I got it. I'm back on.

21 Yeah, so we -- we just discussed part of
22 the answer in the previous discussion there, but
23 our inspections are performed under the NRC
24 mandated site aging management program in the
25 California Commission, California Coastal

1 Commission Inspection Program, in support and
2 continued confidence in the canister condition.
3 So what's all being proposed here is, essentially,
4 just a proposal. It's not a change to the SONGS
5 Aging Management Program. So, ASME, there's a
6 code case N860, so that's N, as November, 860.
7 That's been endorsed by the NRC, so that is the
8 governing agency that does the technical work.
9 Additionally, the IAG (Integrity Assessment Group)
10 and RTT folks, those are our camera operators and
11 surface evaluators. They're qualified ASME T1 and
12 3 inspectors. That means they're certified as
13 experts in identifying corrosion and surface
14 deterioration and surface flaws.

15 So those, I think, that answers the
16 question, Manuel, the best I could understand it.

17 MANUEL CAMARGO: Yeah, if you would just
18 so RTT, I think is Robotics Technologies of
19 Tennessee; is that right?

20 MIKE BRYSON: That's correct.

21 MANUEL CAMARGO: And IAG, what does that
22 stand for, the acronym?

23 MIKE BRYSON: Give me a second here.

24 MANUEL CAMARGO: Sure, yeah.

25 MIKE BRYSON: Sorry. And it'll come

1 before we go to the next question.

2 MANUEL CAMARGO: Okay. Okay. So the
3 next question -- let's see -- so this is the last
4 part of the question from Charles Langley.
5 Question starts with SONGS does not need acoustic
6 monitoring to meet aging management commitments,
7 says who? Why was our community denied the
8 opportunity for input on that decision, especially
9 since the technology may help inform future tools?
10 Since SONGS future generations is a primary
11 concern for many of Public Watchdog's members, any
12 technology that may help inform future tools may
13 be critically important. While it may not be
14 required by Edison, the community may want to make
15 it a requirement. How can we get this back out to
16 our community for input?

17 So, Mike.

18 MIKE BRYSON: Yeah, yeah. So similar to
19 the previous two questions, you know, the current
20 decision determination -- determination of the
21 aging management programs comes from the NRC
22 approved aging management program, and that's for
23 everybody in the industry. SONGS has established
24 this inspection program that meets its current
25 regulation -- regulatory commitments through the

1 direct canister examinations. Now, all NRC
2 licensing changes have a public comment period,
3 and as the example, as part of the licensing
4 extension with the TN NUHOM System, a public
5 comment period was provided. So anytime there's
6 an amendment to change to a license, there is
7 public comment periods.

8 MANUEL CAMARGO: Thank you. Thank you,
9 Mike, appreciate that.

10 Okay. We have another question here, and
11 this one I'm going to ask my colleague Jim Madigan
12 to -- to address that question. I'm concerned --
13 it's from Joy Frew, F-R-E-W, if I'm pronouncing
14 that correctly -- I'm concerned about the leak
15 from a San Onofre railroad car that was hauling
16 waste across state lines.

17 Jim? Can somebody unmute Jim Madigan?
18 James Madigan? How can we get Jim to come off to
19 be allowed to come off mute?

20 ROGELIO HERNANDEZ: He's on.

21 JAMES MADIGAN: There I go. Thank you
22 very much.

23 MANUEL CAMARGO: Thank you. I can hear
24 you, so go ahead.

25 JAMES MADIGAN: And if you could read the

1 question, Manuel, I'd appreciate it

2 MANUEL CAMARGO: You bet. It says --
3 this is from Joy Frew. I'm concerned about the
4 leak from a San Onofre Railroad car that was
5 hauling waste across state lines.

6 JAMES MADIGAN: Okay, thank you very
7 much.

8 So the question refers to a leak from a
9 railcar. So out of the 1000s of shipments that
10 have been made from the site, the railcar, when
11 used as the package, we've never had a leak.
12 However, we've had a few shipments where we
13 actually used components as the package. One of
14 those components was the Unit 2 pressurizer that
15 was shipped back in June of 2024. During
16 shipment, that pressurizer was staged in a San
17 Bernardino rail yard, awaiting transport to Clive,
18 Utah, and a railroad worker identified that there
19 was a small leak that was coming from that
20 pressurizer component.

21 A radiation protection team was
22 dispatched to the facility, and surveys were made,
23 and it was determined that the leak was contained
24 to the flatbed of the railcar that the component
25 was sitting on, that there was no detective

1 radioactivity that was greater than background.
2 However, it is inappropriate for a shipment to
3 have any water leaking from it, so that shipment
4 was returned back to San Onofre where an
5 investigation was conducted for cause evaluations
6 and then corrective actions to prevent recurrence.

7 So to repeat, yes, we did have one of the
8 components that was identified to have a very
9 small leak. That leak was contained to the
10 railcar. It was determined through surveys and
11 the radiological protection evaluation that there
12 was no radiological hazards to persons or the
13 environment. And, again, that rail shipment was
14 returned to San Onofre for evaluation.

15 MANUEL CAMARGO: Coming off mute myself
16 here. And then, Jim, we addressed this at a CEP
17 meeting that was in 2024. So just want to make
18 sure that folks are aware of that. You can look
19 at online all the -- all information for prior CEP
20 meetings is including that one are online.

21 JAMES MADIGAN: Yes, Manuel. I think
22 that meeting was conducted on September 5, 2024.

23 MANUEL CAMARGO: Oh, thank you for that
24 date. I appreciate that. Okay. All right.
25 Well, thank you, Jim.

1 Okay, Dan, that is all of the questions
2 that we have from the members of the public, so I
3 will turn it back to you.

4 CHAIRMAN DAN STETSON: Thank you, Manuel.
5 And thank you to everyone who asked a question,
6 and of course, those who answered them.

7 Before we move on, I just want to quickly
8 ask if there are any CEP members that would like
9 to ask a question before we -- we move on to the
10 final stages of the meeting.

11 I am seeing none. So -- but you have had
12 quite a number of good questions throughout, so I
13 want to thank you again for that.

14 And with that, let's move on to the next
15 slide, please. And Fred, I'd like to turn it over
16 to you.

17 FRED BAILLY: Thank you, Dan, and thank
18 you, CEP members, our guest speakers, and members
19 of the public for -- for participating today. We
20 appreciate your questions and continued
21 engagement.

22 I want to thank the DOE for their
23 participation today, and the CEP members for
24 thoughtful and valuable discussion around the --
25 the update on the -- on the campuses. Thank you,

1 Juan, for that update. We do support the campus
2 approach and -- and share the goal of building a
3 robust and sustainable spent nuclear fuel
4 management program in the United States. We are
5 very encouraged by the potential role that these
6 campuses could play in creating a pathway to
7 remove old spent fuel from SONGS. My best guess
8 is within the next decade or so.

9 And of course, thank you, Joe Nowak, for
10 the update on the batch releases and the continued
11 progress being made in that area. We will
12 continue to keep the CEP and our communities
13 informed as decommissioning progresses and spent
14 fuel remains safely stored on site.

15 Next slide, please. So there are
16 resources available, and we have updates on
17 decommissioning activities, nuclear information,
18 time-lap videos -- time-lapse videos of
19 dismantlement work. If you'd like to take a
20 closer look at decommissioning, you can request a
21 walking tour through our website. And so I
22 encourage everyone to visit www.songscommunity.com
23 and contact us with any question.

24 With that, turn it back to you, Dan.

25 CHAIRMAN DAN STETSON: Thank you very

1 much, Fred.

2 May we have the next slide, please. As
3 Fred mentioned, I'd also like to thank our guest
4 speakers, Jorge and Juan. Personally, I'm very
5 excited about the automated canister testing of
6 SONGS. I think this could be an extra layer of
7 safety that could be rolled out nationally. I
8 want to thank the DOE and SCE for participating.
9 SCE doesn't have to do this, so I want a special
10 thanks to them.

11 With reference to the lifestyle campus
12 concept, I think it could offer an exciting
13 opportunity to move past our many past failures
14 and create beneficial opportunities for local
15 communities and the states. From past experience,
16 we know the question should not be whether the
17 states are willing to accept used nuclear fuel or
18 waste. That would certainly guarantee failure
19 again.

20 The real question is whether or not the
21 federal government is prepared to enter
22 transparent and enforceable partnerships with
23 communities and states, offering safety and a
24 long-term value proposition.

25 Next slide, please. Here's our CEP

1 schedule for the balance of 2026. So please mark
2 your calendars. Our fourth quarter meeting will
3 be on November 5th, and we'll tentatively focus on
4 the SONGS dismantlement update by the San Onofre
5 Decommissioning Solutions, the general contractor
6 for the decommissioning of SONGS. I'm looking
7 forward to that, and we'll update you. Hope you
8 will all join us. Details for the next meeting
9 will be posted on the CEP web page.

10 Next slide, please. And I think it's a
11 miracle, but we are actually finishing a little
12 bit early. Believe it or not, I want to -- we are
13 finishing early, and I want to thank everyone once
14 again, our presenters, our members of the public,
15 our CEP, and everyone who participated.

16 And before we go Victor has a final
17 comment or question.

18 VICTOR CABRAL: No, I just have a -- I
19 want to make sure that we invited Juan and Jorge
20 out to San Clemente and -- and to SONGS, because I
21 think it would be very valuable for them to come
22 out here, and I wanted to make sure they knew that
23 they were invited to be out here and come out and
24 see our beautiful city and community and see the
25 facility. That's it.

1 FRED BAILLY: Yeah, they would be very
2 welcome to come and visit San Onofre for sure.
3 Thanks, Victor.

4 CHAIRMAN DAN STETSON: Excellent way to
5 transition. Once again, thanks everyone, and
6 please stay cool. It's been very hot here, and I
7 want to thank everyone for a very productive and
8 robust and engaging meeting. Good night,
9 everyone.

10

11 (WHEREUPON THE MEETING WAS ADJOURNED AT
12 4:10 P.M.)

13 (CERTIFICATE OF COURT OFFICER ATTACHED ON
14 FOLLOWING PAGE HEREOF.)

15

16

17

18

19

20

21

22

23

24

25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

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 remotely 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

Dated: September 18, 2026



Certificate Number 12983

[& - acoustic]

&	2025 45:25	5	aboveground
& 45:6	76:16	5 11:23 96:22	13:8
0	2026 1:9 2:12	50 54:16 66:10	absolute 44:25
0.012 77:2	6:1 32:5 50:5,5	66:14	absolutely 18:5
1	77:1 100:1	55 88:1	19:5 75:6,6
1,749 23:25	102:22	55th 9:7	accelerate 9:18
10 73:25	2027 23:4 33:14	58 76:25	85:24
1000s 95:9	33:19 34:15	5th 3:10,18	accelerating
10th 21:16	43:3 83:21	100:3	9:20
11 18:11	2028 14:2 43:4	6	accept 61:15
12 12:14 13:6	22 13:5	6 11:24	69:10 99:17
16:23	22,000 54:12	619 81:9	acceptance
12983 1:13	23 14:9	7	36:19,23 50:8
102:25	24 25:16	72 60:25	accepted 23:15
14 45:8	25 43:18	73 83:5	accepting 60:16
14302 45:24	26 50:9 64:22	7905877 1:14	access 53:12
15 77:6	27 1:9 2:12 6:1	8	63:21
15014 102:24	28 50:9 51:2	8 21:16	accessible
16 18:11	2:00 2:11	8,000 13:3	26:11 89:7
16th 24:3	3	860 92:6	accommodate
18 102:22	3 92:12	9	6:9
19 45:7	30 46:20	9 54:13	accomplish
2	37 25:17	a	57:24
2 76:16 77:5	3:36 80:9	a.m. 21:16	account 29:15
95:14	3:42 80:9	ability 102:19	accurate 87:4
2.0 63:7	4	able 11:15	102:14
2014 9:7	40 46:20	29:21 33:6	achievable
2020 83:17	43 61:25	39:25 45:1	17:24 18:21
2023 76:24	48 86:12	51:10 57:24	acknowledge
2024 95:15	4:10 101:12	58:11 60:6	53:25
96:17,22		67:15	acoustic 22:19
			24:8,10,21 25:6
			26:19 29:21
			30:9 31:9,9

[acoustic - amendment]

<p>34:5 43:21 90:13 93:5 acronym 67:24 92:22 acting 4:8 45:5 actions 96:6 activated 76:17 actively 17:8 33:16 72:24 74:23 activities 17:9 26:9 47:1 56:6 76:13,20 77:4 78:19 82:12 84:2 98:17 activity 13:15 13:18 26:5 actual 39:21 40:11 actually 17:9 19:22 21:3 38:2 42:22 54:2 60:15 64:22 66:2 68:20 75:20 86:14 89:21,25 95:13 100:11 add 86:17 addition 36:9 62:25 additional 13:22 24:1,5,20 25:7,11 65:20 77:13</p>	<p>additionally 92:9 address 11:4 45:21 55:11 61:20 66:11 72:15 77:24 80:2 84:17,22 85:20 88:19 94:12 addressed 7:1,4 67:8 96:16 addressing 61:19 79:24 adhesives 16:2 adjourned 101:11 adjust 35:9 administering 33:2 administers 83:15 administration 18:7 50:25 55:3 58:7,10 62:4,7 67:18 administratio... 45:18 59:10 admitted 85:2 advance 7:25 11:2 68:3 86:13 advanced 47:6 49:20,25 71:6 71:21</p>	<p>advancing 7:23 advocate 74:9 afternoon 6:4 14:8 28:23 76:11 agencies 8:7 14:5 16:12,13 20:17 agency 15:8 91:14 92:8 agenda 8:1 9:1 9:25 10:2 agent 16:5 aging 23:11,17 24:5,11,12 25:20 26:2,6 29:10,11,17 83:11,19 89:2 89:12 91:24 92:5 93:6,21,22 ago 6:19 19:22 22:18 23:23 24:16 34:12 43:10 80:11 90:11 agree 54:25 55:6 61:14 69:3 agreed 16:15 agreement 38:14 52:12,14 agreements 38:20 52:16</p>	<p>ahead 13:20 18:15 28:13 37:23 39:1,19 45:11 60:14,15 76:4,10 80:17 82:2 84:17 94:24 aim 46:10 aisles 16:1 alara 17:23 algorithms 41:16 alice 84:20,22 85:13 alice's 85:21 86:21 alignment 50:23 allison 63:19 allow 26:12 89:4 allowed 94:19 allowing 11:17 77:7 allows 47:3,6 alternate 3:10 3:18 17:7 alternative 47:17 alyssa 3:18 amazing 56:25 amendment 94:6</p>
---	--	--	---

[american - back]

american 3:14 55:20 amount 56:4 analyze 34:18 analyzed 77:16 anchor 46:10 ancillary 49:24 anderson 3:6 angle 90:15,16 announced 51:3 announcements 6:21 annual 54:14 answer 12:6 36:9 57:9 61:16 80:4 85:18 86:21 89:15,17 91:22 answered 97:6 answering 85:15 answers 7:1 61:4 82:16 84:23 86:24 87:9,20 92:15 anthropologist 21:19 anticipate 18:13 42:15,23 anxious 44:14 anybody 24:2 84:15	anytime 94:5 anyway 21:9 35:14 apologize 8:11 appears 56:14 56:18 appendix 7:15 7:20 application 42:8 applications 50:9 appreciate 9:8 9:12 39:2 44:17 54:24 75:14 91:9 94:9 95:1 96:24 97:20 appreciated 10:16 approach 19:3 48:5,17 73:2 98:2 appropriate 12:5 87:15 approved 26:13,18 89:2 93:22 approximately 54:13 76:25 77:6 april 50:5 78:6 arc 21:18	area 39:24 90:15 98:11 areas 13:8 89:6 art 42:8 artificial 41:15 artificially 85:24 asked 43:11 55:4 84:18 97:5 asking 36:21 82:14 asme 92:5,11 aspects 52:19 59:20 60:10 67:5 71:8 assessment 92:9 assign 12:5 assignment 1:14 associated 60:13 88:8 assume 41:1 67:6 assure 72:23 attached 101:13 attend 21:17 attendance 56:4 attendees 3:1 audio 11:21	august 1:9 2:12 6:1 13:5 authority 20:10 automate 29:16 automated 8:14 99:5 automatic 34:6 automatically 30:12 available 11:4 29:20 30:9,11 59:23 73:21 79:12 89:7 98:16 awaiting 95:17 aware 14:9 45:13,14 96:18 awareness 12:17 77:11 awesome 22:16 b babiarz 80:25 81:21,23,25 82:3,3 back 10:4 12:8 18:6 21:11 24:3 38:25 41:21 42:6,9 43:10 45:21 55:2 70:3 75:17 76:24 77:11 78:21 80:8 83:22
--	---	--	---

[back - building]

84:9 85:9 86:5 91:20 93:15 95:15 96:4 97:3 98:24 background 45:13,17 73:18 96:1 backgrounds 51:14 bailly 3:21 8:2 9:2 12:9 18:5 27:14 68:12,24 69:3,17 73:16 97:17 101:1 balance 100:1 ball 59:11 60:5 61:19 62:4 band 3:16 barrett 63:19 base 51:16 based 14:16,22 15:5 16:14 24:16 39:12,13 47:21,24 56:12 58:17 67:17 90:10,21 baseline 41:4 basement 77:6 77:9 85:9 basically 14:19 27:21 29:3 32:19,23 39:8 39:11,15 40:10 90:11	basin 78:8 bat 48:24 49:5 batch 7:19 8:22 13:13 76:7,12 76:24 77:13 78:3,6 79:6 85:4,6 86:2,4 86:10,18,20 98:10 battery 70:11 beach 19:25 21:1 beaches 21:8 beautiful 100:24 becoming 61:13 began 9:7 beginning 10:10 59:12 76:14 believe 23:25 25:25 34:20 90:11 100:12 beneficial 99:14 benefits 48:10 48:12 52:17 54:7 65:6 bernardino 95:17 best 19:24 52:3 59:20 92:16 98:7 102:19	bet 95:2 better 20:15 35:12 55:15,16 55:17 67:8 70:5 88:25 beyond 24:21 88:5 big 12:8 13:7 46:15,22 47:16 48:7 52:21 62:24 biggest 57:22 57:22 billion 54:14,16 66:10 binding 52:15 bipartisan 50:15 62:22 bit 10:23 20:15 50:2 52:7 86:15 90:9 100:12 blended 86:19 boat 20:21 bold 46:1 48:4 54:25 59:16 bolts 82:22,24 borehole 51:20 boss 56:24 bottom 46:1 86:11 boxes 58:16 break 8:23 37:17 39:24	40:17 80:6 90:10,16,23,23 91:4,4 breaking 32:23 37:5 90:3,4 brief 6:20 8:8 43:9,11 76:12 briefing 55:25 56:1 bring 90:14 bringing 68:19 broad 26:5 broader 24:24 25:23 81:5 broken 82:21 82:24 brought 88:5 brown 3:7 10:11 38:24 39:2,18 61:10 61:11,21 63:15 bryson 4:3 8:10 22:12,16,17 27:11 88:18,19 88:20 89:15 91:12,18,19 92:20,23,25 93:18 budget 43:2 buffer 69:5 build 46:7 60:21 71:12 building 10:20 98:2
--	---	---	--

[burns - certain]

burns 88:7 business 30:25 53:18 67:3,9 68:7 71:7 businesses 31:4 byproducts 66:6	caloes 16:18 camargo 3:22 12:4 26:25 27:4 28:8 35:2 35:8,13 36:2,21 37:7 38:24 41:8,20 42:10 43:7 75:11 79:2 80:19 81:7,13,21,24 82:2 84:12 89:14,16,21 91:8 92:17,21 92:24 93:2 94:8,23 95:2 96:15,23 camera 89:9 92:10 camp 3:12 campus 8:18 45:15,20 46:5 46:14 47:10 49:19 51:7,24 52:22 53:3,6 54:8,9,12,19 59:20 60:8,11 60:16 61:14,17 63:3 69:9,11 70:7,8,12,15 71:15 98:1 99:11 campus's 44:10 campuses 9:17 44:13 45:3	46:9 48:11 64:8,13 69:3 70:6 97:25 98:6 candidates 69:22 canister 8:15 22:11,21 23:2 23:10,24 25:9 25:10 26:3,11 26:12 30:13 31:25 32:22,22 32:24 33:18,21 34:13 39:7,12 39:17,21,23 40:1,3,3,6,8,23 89:6 90:5,19 91:3,15 92:2 94:1 99:5 canisters 23:22 24:15 25:13,16 25:19 29:22 34:6 74:2 82:19 cans 82:21,24 83:5,8 capability 66:23 capistrano 3:15 capital 53:20 53:21 54:15 capitalizing 46:23	captain 3:16 car 94:15 95:4 career 45:8 carried 85:1 cars 19:9 case 11:18 67:4 68:8 90:13 92:6 cask 40:9 casks 73:21 cast 23:14 caucus 43:13 cause 96:5 cavity 13:16 center 32:10 60:3,18 centers 50:1 cents 73:17 cep 3:2,3,4 6:7 7:10 9:6,7,11 9:15 10:2,9 11:8,9,14,18,20 13:2 17:3,6 22:4 24:3 27:1 34:25 55:20 78:23 79:12 80:12 83:23 84:3 96:16,19 97:8,18,23 98:12 99:25 100:9,15 ceps 22:18 certain 16:16 59:3,4 70:20
c			
cabral 3:4 17:14 19:15 20:25 35:5 37:24,25 38:21 41:23 44:20 58:6 61:5 70:3 71:25 100:18 cadence 65:1 65:17 73:1 cal 16:17 calendars 100:2 california 3:8 3:20 4:1 23:19 30:7 38:1 44:1 50:18 91:25,25 102:6 call 79:17 88:17 called 7:12 14:14 32:5,6 79:15 calling 11:21 calls 12:15 16:24			

[certainly - come]

certainly 9:15 48:3 49:10 51:22 52:12 57:10,16 59:19 60:3,10 61:1 63:10 64:6 67:11,20 68:5 69:23 70:25 71:2,4,7 72:17 74:17 87:15 99:18 certainty 67:16 certificate 83:6 83:7 101:13 102:1,25 certified 92:12 102:3,5 certify 102:7 cetera 86:19 chad 4:2 8:5 14:3,6,7 15:20 15:23 16:13,20 chain 46:12 chair 6:6 17:14 chairman 3:2,4 6:3 10:6 15:20 16:10,19 19:6 20:20 21:2 27:2,5 28:3,10 28:19 34:21 35:24 37:3,23 38:23 39:19 41:21 42:14,21 43:5,8 44:21	54:23 55:16 58:4 61:9 63:17 65:24 68:10 69:14,25 72:2 73:14 74:1 75:9,13,25 78:22 79:4 80:10 81:6 97:4 98:25 101:4 chairs 22:3 challenge 10:17 25:23 challenges 52:5 challenging 18:16 champion 74:20,21 champions 63:3 74:18 chance 90:8 change 11:16 56:15,19 92:4 94:6 changed 52:13 53:25 67:24 83:17 changes 17:19 18:4,8,19 57:4 57:6,7,10 62:4 94:2 changing 19:2 characterized 15:13	charged 20:10 charles 88:12 88:13 89:22 93:4 charter 83:23 84:10 cheap 64:9 67:6 82:21 cheaper 66:3 check 58:15 checking 14:21 chemical 16:9 chemicals 15:24 chief 3:21 8:3 10:14 chime 41:8 chimed 89:23 chloride 33:1 35:20 36:5,12 37:15 choose 52:24 chris 51:3 chunk 71:17 city 3:11,15 100:24 clarification 64:1 clarify 70:15 clarity 91:16 clear 25:2 clemente 3:5 19:19 21:8 37:25 38:3	72:7 100:20 cliche 50:13 clive 69:20 95:17 close 11:17,23 12:14 16:23 45:10 74:19 90:14 closed 20:2,4 50:5 91:16 closely 20:8 closer 98:20 closing 78:16 closure 30:6 coalition 7:17 21:14 22:5 coastal 23:19 91:25 coastkeeper 3:7 coastline 20:19 code 92:6 coffee 72:22 collaboration 36:11 47:21 colleague 94:11 colleagues 61:7 collected 77:9 collection 83:18 collocate 71:13 combination 65:14,15 come 19:9,25 36:20 37:9 62:7 67:12
--	---	---	---

[come - confidence]

71:12 72:7 75:17 92:25 94:18,19 100:21,23 101:2 comes 77:20 93:21 coming 7:2 22:23 38:3 44:2 47:12 68:6 75:2 95:19 96:15 commencing 2:11 commend 6:25 comment 5:1 6:22 7:6,10 8:24 10:1,25 11:7,8,10 43:9 67:1 72:20 79:10,11,12,21 80:18,21 88:3 94:2,5,7 100:17 comments 7:7 9:1 10:24 11:2 11:3,7 68:14 79:22 80:12,22 commercial 51:18 commission 15:7 23:19 26:14,19 45:9 91:25 92:1	commitment 19:4 48:15 49:14 commitments 24:12 26:20 93:6,25 committed 12:25 18:24 20:12 communication 85:12 86:25 communicati... 87:18 communicative 73:3 communities 6:16 9:16 17:11 48:20 49:3 51:15 56:11 65:3 87:1 98:12 99:15,23 community 1:1 2:1 3:1,12 6:6 8:8 9:5 17:3,17 51:24 52:18 55:6,10 60:22 68:25 76:3 82:10,13 83:25 84:5,5 93:7,14 93:16 100:24 community's 10:19 82:6	companies 30:17 31:8,15 32:5,8,15,20 33:3 67:12 68:3,6,9 82:15 company 38:13 38:14 67:9 82:15 91:14 complement 71:23 complete 13:18 completed 13:14 76:16 78:2 79:8 85:6 complex 25:23 compliance 13:17 18:22 77:16 78:15,18 83:7 87:12 complicated 61:22 comply 86:2 component 67:19 95:20,24 components 18:18 70:20 95:13,14 96:8 composed 30:1 compound 14:23 16:3,7 compounds 15:24 concentrations 77:22	concept 61:23 99:12 concepts 52:23 conceptual 54:5,6 concern 15:18 82:13 93:11 concerned 19:12 94:12,14 95:3 concerns 10:19 14:22,24 concrete 77:21 78:13 condition 14:17 15:14 23:21 29:13 82:19 91:16 92:2 conditional 52:12 conditions 18:16 23:10 24:16 26:13 27:20 31:24 32:25 38:15 40:11 conducted 34:9 96:5,22 conducting 30:15 85:17 conduit 84:4 confidence 23:21 55:7 91:15 92:2
---	--	--	--

[confirm - culture]

confirm 44:19 56:14,17 conflicts 82:18 congratulate 55:21 congratulations 58:7 congress 43:11 congressional 54:1 74:24 congressman 43:12 50:16 consent 56:12 58:17 conservatively 78:17 considered 70:17 considering 18:8 consistently 76:18 construction 54:10 contact 15:8 98:23 contained 77:1 95:23 96:9 containment 39:24 contains 76:21 contaminant 77:3	contenders 51:10 content 21:4 context 23:1 continuation 47:20 48:1 64:24 continue 12:15 12:20 19:2,16 32:2 79:7 98:12 continued 9:11 10:17 23:21 91:15 92:2 97:20 98:10 continues 78:16 continuing 20:16 contract 29:6 83:12,20 contractor 8:21 77:25 83:13 100:5 contributed 18:23 control 15:3,6 convened 29:25 convenient 40:14 conversation 46:17 53:22 75:15 conversations 48:8 49:4,6,9	49:12 53:16 62:2 65:9 67:14 74:23 75:1 conversely 47:21 cool 74:4 101:6 core 61:23 67:19 cornerstone 46:12 49:21 53:6 60:4,8 correct 37:7 41:2 69:14,16 92:20 corrective 96:6 correctly 94:14 corrosion 33:1 35:20 36:6,13 37:16 92:13 corrupted 83:17 cost 53:20,21 54:15 66:11 67:1 71:17 council 3:5,15 count 79:19 country 55:4 59:24 county 3:6,7,10 3:18 20:9,17 22:1 couple 8:8 15:21 16:23	19:21 34:3 38:10,19 42:24 45:16 57:12 65:25 73:15 84:21 88:13 89:24 91:11 course 17:13 30:7 66:6 69:2 69:2 83:19 97:6 98:9 court 101:13 cover 8:2 79:25 85:11 covered 15:11 cpuc 83:15 crack 37:6,12 39:7,14 90:12 90:18 cracking 32:25 33:1 35:21 36:6,13 37:16 cracks 90:4 create 70:6 99:14 created 77:5 creating 47:6 98:6 criteria 31:17 31:21 36:19,23 critical 58:17 critically 93:13 csr 1:13 culture 18:23
--	--	--	---

[cup - designed]

<p>cup 72:22</p> <p>curies 76:25 77:2</p> <p>curious 27:8 28:2 39:21 72:10</p> <p>current 22:11 24:11 26:20 77:22 93:19,24</p> <p>currently 21:22 32:10 36:16 38:17 45:5 57:18 69:16</p> <p>cut 43:17</p> <p>cutbacks 43:17</p> <p>cuts 43:24</p> <p>cycle 42:9 45:22 46:10</p> <p>cycles 42:6</p>	<p>44:21 52:2 54:23 55:16 58:4 61:9 63:17 65:24 68:10 69:14,25 72:2 73:14 74:1 75:9,12,13 75:25 76:9 78:21,22 79:3,4 80:10,20 81:6 84:14,22 88:11 97:1,4,17 98:24 98:25 101:4</p> <p>dana 20:21</p> <p>daniel 3:12</p> <p>data 34:18 39:13 41:19 47:15 49:25 60:3 76:24 83:18</p> <p>date 72:20,23 77:1 96:24 102:20</p> <p>dated 102:22</p> <p>day 19:10 54:20 56:25 75:23</p> <p>debris 77:21</p> <p>decade 98:8</p> <p>decades 42:5 72:9</p> <p>decision 42:16 42:22 59:19 63:6,8,12 93:8</p>	<p>93:20</p> <p>decisions 65:3</p> <p>deck 86:6</p> <p>decline 72:19</p> <p>decommission 84:1</p> <p>decommissio... 3:21,24 8:20,21 18:12 25:24 38:2 78:19 82:12 83:1,16 84:2,7 98:13,17 98:20 100:5,6</p> <p>dedicated 79:21</p> <p>deemed 88:15</p> <p>deep 46:19 47:17</p> <p>defects 40:24</p> <p>defies 82:8</p> <p>definitely 9:13 25:22 26:21</p> <p>definitions 82:17</p> <p>delivered 87:21</p> <p>demo 32:4 34:14 38:15 40:21,22 82:12</p> <p>demolition 14:9 76:20 77:4,21</p> <p>demonstrate 30:20</p> <p>demonstrating 50:10 77:2</p>	<p>demonstration 8:14 23:2,5 24:23 25:2 27:9 33:13,16 33:23 34:15 36:10,15 38:7</p> <p>denied 93:7</p> <p>denise 1:13</p> <p>department 1:3 2:3 3:6 4:7 6:12 8:13,17 15:3,6 19:20 22:24 23:1 29:15 30:3,23 44:11 45:10 55:24 58:12 62:1</p> <p>department's 43:17</p> <p>depend 54:8</p> <p>depending 16:8 21:4 60:1</p> <p>deployed 33:25</p> <p>deploying 33:17</p> <p>deposition 84:8</p> <p>depot 16:1</p> <p>deputy 19:22</p> <p>describing 63:19</p> <p>deserves 58:10</p> <p>design 82:22</p> <p>designed 83:4</p>
<p>d</p>			
<p>d.c. 43:10</p> <p>damaging 91:3</p> <p>dan 3:2 6:3,5 9:3 10:5,6 12:9 15:20 16:10,19 19:6 20:20 21:2 27:2,5 28:3,10,19 34:21 35:24 36:25 37:3,23 38:23 39:19 41:21 42:14,21 43:5,8,17,22</p>			

[designer - dose]

designer 82:20 desire 60:2,3 65:22 67:4 desired 49:24 53:1 desires 59:22 desmond 3:10 22:1 destructive 91:1 detailed 51:11 52:10 89:4 details 13:22 100:8 detect 31:24 33:4,4,7 39:6 41:16 90:12,24 detective 95:25 deterioration 92:14 determination 93:20,20 determine 37:9 39:13 determined 27:9 59:6 95:23 96:10 development 4:9 24:19 45:7 60:14 dialogue 79:23 82:9 83:25 diego 3:10	diesel 14:12 different 8:7 16:8 25:15,19 25:20 29:19 30:2,10,24 31:18,20,24 36:13 40:7 42:4 50:9 61:24 62:8,13 65:18 70:8 digits 7:11 diligently 54:20 diluted 64:12 dimensions 35:21 direct 24:14 26:11 89:8 94:1 direction 62:8 102:13 directions 10:24 79:11 directly 47:9,14 director 3:2,6 4:8 21:20 45:5 discharge 77:18,19 78:5 85:5 discharged 85:7 disclaimer 29:3 disclose 87:14 discoloration 78:11	discoloring 14:18 discuss 8:6,13 8:17 25:12 52:19 discussed 22:19 53:8 91:21 discussing 24:22 discussion 65:5 66:18 72:5 91:22 97:24 discussions 51:11 52:10 60:22 72:17 dismantlement 7:17 12:23 98:19 100:4 dismantling 13:8 dispatched 95:22 displayed 79:15 disposal 4:8 45:6 47:17 53:4 66:25 69:4,6 70:21,24 70:25 disposed 47:9 47:14 disposing 47:18 disposition 4:6 4:9 29:1,7 46:13 49:22	66:23 distance 70:21 distinguished 23:4 distributed 48:13 district 3:10,18 dive 6:19 22:9 division 83:15 document 87:6 doe 4:7,10 6:15 6:22 7:1,2 9:14 9:22 12:19 13:12,22 21:19 23:5 25:5,22 27:9,16 28:25 29:25,25 30:21 31:2,4,5 32:22 33:2,22,24 34:9 36:10,22 37:15 38:16 40:20 43:24 46:2 49:13 55:3 62:18 67:20 74:22 81:2 97:22 99:8 doing 12:22 15:15 32:2,20 36:10 40:20 44:4 73:7 dominance 53:11 dose 19:1,1,3
---	---	--	---

[downloading - entities]

downloading 83:4 dr 88:6 draft 6:18 dredging 20:22 drilling 51:19 driven 18:21 driver 62:24 dry 23:13,13 89:11,11 dtsc 15:2 16:15 due 15:8 16:5 32:25 durable 52:16 53:14 62:25 dust 13:21 76:19	economics 64:11 ecosystem 53:1 67:20 71:22 ecosystems 46:8,11 49:24 edison 3:20 4:1 30:7 44:1 82:5 83:16 93:14 edison's 82:8 83:17 education 60:22 educational 24:4 effective 49:11 efficiencies 71:10 effort 44:3 45:15 46:22 48:8 50:3 54:25 57:3,20 59:10,17 62:25 efforts 13:10 31:1 46:17 48:18 50:14,16 50:17 54:1 60:13 74:24 eight 19:18 either 39:9,10 elaborate 90:9 electric 30:5 88:8	electro 31:9 elevated 14:13 14:23 15:4,10 eliminate 32:1 66:7 elimination 77:18 emergency 3:6 16:17 emerging 22:12 emissions 29:21 30:10 31:9 34:5 90:13 emphasize 47:19 54:7 70:24 employed 87:17 employees 87:14 enclosed 40:9 encountered 15:10 encourage 84:4 84:9 98:22 encouraged 98:5 ended 66:17 endorsed 92:7 endowment 3:2 energy 1:3 2:3 4:7,7,10 6:13 8:13,17 22:24 29:15 30:3,23	44:11 45:19 51:3 53:11 58:12 62:1 67:22 83:15 energy's 23:1 enforceable 99:22 engage 49:15 engagement 1:1 2:1 3:1,23 6:6 9:6,11 12:25 17:11 48:15 49:3 60:21,22 97:21 engagements 13:2 engaging 48:22 65:3 74:23 87:19 101:8 engineer 4:3 8:10 22:17 engineering 87:12 engineers 88:18 english 87:4 enrichment 49:20 ensure 77:16 enter 77:7 99:21 entire 9:10 46:11 69:11 entities 53:17 67:3 70:8,11
e			
e 11:3 83:11 85:14 87:21,22 94:13 eager 9:21 earlier 6:9 32:8 56:9 88:1 early 33:14,19 34:15 100:12 100:13 easier 61:12 eastern 6:10 echo 56:22 echoing 59:9 economic 47:10 54:18 59:21			

[entities - fabricator]

<p>71:5,8 entity 62:14,15 62:16 63:8 64:5,7 70:13 environment 96:13 environmental 8:5 12:24 31:2 87:11 envision 57:11 59:1,4 envisioned 57:11 epri 35:18 36:11 37:14 erosion 19:11 especially 18:14 93:8 essentially 23:8 24:7,14 25:15 25:19 46:6 51:9 52:13 53:3 63:1,3 68:2 71:23 92:3 establish 64:9 66:19 established 23:11,18 24:14 26:13 51:14 89:12 93:23 estimates 54:12 et 86:19</p>	<p>evaluate 25:5 26:12 35:20 evaluated 14:17 evaluating 24:15 evaluation 26:8 35:22 56:11 91:1 96:11,14 evaluations 96:5 evaluators 92:11 evaporate 15:25 85:10 evaporated 78:9 evaporates 78:13 evaporation 84:24,25 85:11 85:17,20,21,25 85:25 evening 80:2 evening's 22:10 event 91:6 eventually 25:18 everybody 35:25 93:23 everybody's 44:2 evidenced 50:21</p>	<p>evolution 47:23 55:24 exact 40:1 examinations 89:5 94:1 example 31:21 47:4 51:14,18 52:15,18 53:10 53:19 57:17 59:23 60:13,18 67:22 78:6 90:20 94:3 excavated 15:9 excavation 14:10,15 exceeded 16:16 78:7 excellent 44:22 75:15 101:4 excited 51:25 68:15,16 99:5 excitement 56:5 exciting 50:13 72:5 99:12 excuse 24:4 67:23 78:13 executing 18:14 executive 3:2 3:24 8:19 45:24 47:1 67:17 exist 53:24</p>	<p>existing 24:13 27:20 47:15 expect 78:2 86:13 expedite 57:8 expenditure 27:22 expensive 66:2 67:7 experience 99:15 expertise 51:19 87:16 experts 82:14 87:7,20 88:5 92:13 explain 18:6 90:1 explore 25:11 exploring 33:16 51:24 exposure 19:1 express 46:3 extend 21:25 extension 94:4 external 14:5 extra 99:6</p>
			f
			<p>f 94:13 fabrication 49:20 fabricator 82:23</p>

[face - four]

face 25:23 facilitate 79:16 79:23 80:17 facilities 46:9 48:9 54:9 60:19 65:7 facility 25:13 25:18 29:11 30:21,21 34:1 34:20 40:4 42:19 48:21 71:1,2 95:22 100:25 fact 66:19 87:25 failed 82:22 83:4 failure 33:6 99:18 failures 99:13 faint 35:13 false 41:11,17 far 18:11 33:5 49:8 52:1 62:6 72:16,18 75:2 fast 72:25 73:6 feasibility 67:14 featuring 21:19 february 43:3,4 federal 19:20 20:17 25:12,18 34:1,19 42:19 45:7 62:15,16	71:1,1 99:21 feed 71:24 fence 70:23 fiber 31:11 field 41:11 87:16,16 fields 42:11 figure 52:25 figures 54:13 fill 25:4 final 30:18 32:9 32:18 33:9,10 34:20 38:8,12 54:9 66:8,9,22 66:25 87:20 97:10 100:16 finalize 34:2 finalized 38:7 finalizing 36:12 36:17 52:22 61:2 finally 36:20 finance 53:11 financial 53:9 financing 53:8 53:9 find 29:5 finish 14:2 40:21 finishing 100:11,13 finland 21:23 first 6:20,21 7:1 9:4 11:22	17:18 22:9,10 23:3 28:17 34:3 35:25 36:25 38:11 46:1,18 51:9 56:8 58:6 59:8 61:12,20 62:21 76:13 79:25 84:20 88:14 five 8:23 45:10 51:3 52:9 56:2 56:3 64:2,3,11 64:16,19,22 69:18,22 73:19 73:23 80:8 fix 82:25 83:2 flatbed 95:24 flaws 92:14 fleischmann 74:20 fleischmann's 43:13 floor 22:15,23 28:20 44:15 76:8 focus 6:12 8:9 12:16 21:17 56:12 65:19 77:19 100:3 focused 6:22 12:23 13:7 51:11 63:11 focuses 46:23 57:22	foley 3:18 22:2 folks 11:6 45:14 63:10 74:22 87:8,15 92:10 96:18 follow 38:1 followed 15:16 33:11 following 13:22 82:17 101:14 foot 77:6 forefront 22:7 foregoing 102:8 102:13,15 form 7:10 11:8 39:14 79:12 80:13 formed 39:14 former 21:19 forth 102:10 forthcoming 23:3 25:3 forward 9:13 13:12 38:20 51:1 55:22 57:8,13 59:11 60:5 61:19 63:5 64:2 65:9 73:19,25 75:18 79:7 86:20 100:7 four 7:11 56:2 56:3
--	---	---	--

[fourth - going]

fourth 7:14 83:10 100:2 fraction 77:23 frame 72:8 framework 26:6 45:21 56:10 frameworks 53:10 fred 3:21 8:2 8:25 9:2 10:6 10:14 12:7,9 14:7 16:21 17:18 18:2,5 19:7 27:14 28:4 68:11,11 68:12,24 69:3 69:14,17,25 73:15,16 74:1 76:13 88:1 97:15,17 99:1,3 101:1 frequency 78:3 frew 94:13 95:3 front 54:2 74:25 fruitful 75:1 fuel 1:3 2:3 4:3 4:6,9 6:13 7:16 8:14 9:18,20 12:19 13:9,11 13:16 14:13 21:14,18 22:3,5 22:7,11 24:25	27:22 28:25 29:6,23 30:14 32:10 34:5 42:6,9 45:22 46:24 47:13 48:11 49:22 53:5 57:17 60:7,16 61:1,15 61:18,24 67:4 68:19,20,22,24 68:24 69:7,9,12 70:9,25 71:14 72:7,16 73:23 76:17 84:7,8 98:3,7,14 99:17 fuel's 73:24 fuels 21:14 47:6 full 46:10 47:25 54:12 78:17 79:20 fully 62:14 fund 66:15 83:1 83:16 fundamental 10:20 funding 67:25 67:25 funds 63:21 68:2 further 42:16 78:8 102:13 future 25:7,12 26:3 33:25 34:19 42:19	63:13 93:9,10 93:12 g gained 47:25 71:10 game 62:4 gamut 62:20 gap 25:4 garry 3:7 10:11 38:24 39:1,1,2 39:18 61:10,10 61:11,21 63:15 gas 51:19 gasoline 16:6 gates 49:5 general 5:1 7:3 8:21 12:3 15:1 80:3 100:5 generally 79:23 generate 70:9 generation 8:3 47:7 49:20 58:20 60:2 71:4,22 generational 54:18 generations 93:10 generic 87:22 geography 60:2 geologic 46:19 getting 36:4,5 41:10 55:5	74:11 79:9 gist 88:23 give 19:13,15 21:24 22:22 73:16 75:22 92:23 giving 53:11 90:8 glad 91:9,9 glass 80:7 global 45:19 glue 39:10 go 7:21 10:7 16:4,17 21:11 24:3,21 25:11 28:13 37:23 38:8,24 39:1,19 43:19,19 45:11 45:11 50:6 56:6,9 62:8 64:2,15 65:13 71:7 74:4 76:4 76:10 80:7,17 82:1,2 83:22 84:9,17 93:1 94:21,24 100:16 goal 33:23 48:9 64:3 98:2 goes 63:8 69:23 going 12:22 14:1 18:3 25:18 29:4 32:15 33:13
--	---	--	---

[going - herft]

34:23 36:14,15 39:22,23 41:18 41:23 42:15 43:1,15 48:23 50:12 54:8 55:1 61:6 63:5 63:12 64:19 65:4,9 66:8,12 66:13,14 67:23 71:1 72:6,17 73:24 74:8 76:1,2 80:25 94:11 good 14:8 19:7 24:24 28:9,23 31:21 50:24 55:11,18,18 57:25,25 63:16 75:10,11 76:11 80:19 81:6,20 86:5 97:12 101:8 gopro 89:9 gosh 43:9 gotten 42:1 gouged 83:5 governing 21:17 92:8 government 19:20 71:14 99:21 governor's 49:1 63:2	grab 80:7 grammar 91:17 graphite 37:10 great 6:16 9:17 28:1 44:21 49:7 55:24 72:4,11 81:25 90:7 greater 96:1 greatly 54:8 ground 82:24 groundwater 8:22 13:20 76:20 77:7,8,24 groundwork 52:14 group 92:9 growth 59:22 60:17 guarantee 99:18 guess 27:24 37:10 42:22 44:17 48:17 62:5 63:25 64:18 66:17 73:17,23 84:25 98:7 guessing 73:18 guest 4:5 6:10 6:14 7:2 8:12 11:16 81:2 84:19 97:18 99:3	guided 12:10 31:10 45:24 47:1 guidedwave 32:6 guys 20:23 34:24 38:2 39:25 40:15 h half 45:8 hallways 74:23 74:24 hand 11:11,19 11:22 34:25 68:11 81:10,15 handle 61:24 handles 87:20 hands 27:3 28:5 79:3 hanford 30:6 hang 89:18 hanging 76:1 happen 33:19 36:24 38:8,11 49:6 53:13 56:20 66:14 happened 62:9 happening 19:11 21:25 39:16 68:16 happens 33:18 69:19 85:8	happy 50:8 68:17 harbor 20:22 hard 87:3 hauling 94:15 95:5 hazard 12:16 hazards 96:12 header 7:8 health 18:24 29:22 30:12 hear 9:21 13:11 19:7,11 35:7,8 35:14 36:1 37:4 40:17 44:14,19 55:15 63:16 81:3,14 81:23 94:23 102:18 heard 64:15 71:12 86:22 hearing 22:5 heaters 40:6 heats 20:6 held 75:1 help 18:2 26:2 28:15 38:23 39:25 88:18 93:9,12 helpful 39:22 helps 47:8 hereof 101:14 herft 1:13
--	---	---	---

[hernandez - indication]

hernandez 81:11,17,22 94:20 hey 37:24 hi 28:17 hid 83:18 high 4:6,9 13:18 28:25 29:7 36:3 47:12,18 49:23 53:5,21 54:18 60:7 higher 13:15 63:9 highlight 50:16 highly 76:16 hinge 74:8 historical 14:18 histories 25:20 history 55:23 hold 38:5 holder 83:6 holds 83:11 hole 77:5 holtec 25:17 82:20,23 83:3,5 83:7,10,20 85:16 holtec's 82:21 home 16:1 74:19 hon 3:4,10,15 3:18	hop 74:5 hope 38:21 42:11 58:1 61:4 100:7 hopefully 21:24 23:3 75:18,22 hoping 30:19 32:12 33:9 34:14 38:18 host 51:6,23 52:11,14 55:6 72:17 hosted 55:3 hosting 46:4 47:10 54:19 hosts 48:13 51:4 hot 101:6 hour 6:22,24 8:24 79:20 88:3 hours 86:13 howard 3:11 hub 70:19 human 89:8 hunter 3:10 hunter's 22:2 i iag 92:9,21 ialenti 21:20 icon 11:11,19 idaho 32:11,20 40:20 51:5,13	idea 64:4,6 identification 12:17 14:16 identified 51:23 95:18 96:8 identifies 82:17 identify 11:12 59:19,25 identifying 52:15 92:13 illustration 54:6 70:15,17 immediate 55:9 impact 18:12 impacts 18:13 implement 18:9 65:7 implementati... 25:21 42:17,18 89:1 implemented 60:14 implementer 63:21 importance 83:24 important 13:11 28:12 53:15 76:15 78:4 90:25 93:13 impose 27:16 imposed 27:17 27:19	improvements 7:17 inadvertently 77:5 inappropriate 96:2 inbox 87:22 include 6:21 29:13 49:19 51:4 included 76:17 76:25 includes 7:16 26:6 including 9:19 14:5 48:15 58:11 85:13 88:6 96:20 incorporated 48:4 89:2 increase 78:3 increased 79:6 increases 47:10 incredible 51:1 59:9 incredibly 50:7 indefinite 69:1 independent 4:3 62:16,18 63:20 83:13 indians 3:17 indication 14:13
--	--	--	--

[indications - involvement]

indications 16:6 individual 25:24 67:9 68:8 73:2 individuals 79:14 induce 39:22 induced 33:1 35:20 36:6,12 37:15 industrial 12:12 15:15 industries 41:25 industry 23:15 24:24 42:3 50:18 51:19 64:10 68:16 89:1 93:23 inflow 78:1 influence 65:9 inform 34:18 65:5 93:9,12 information 7:16 26:8,11 37:20 46:4 50:4 65:18,21 76:6 77:13,14 79:6 82:7 84:4 86:5,6 87:4 88:9 96:19 98:17	informed 15:7 17:8 65:2 98:13 infrastructure 20:18 initial 54:11 67:13 initiation 39:6 initiative 8:18 45:18 46:2 48:24 initiatives 49:18 63:4 injuries 12:13 innovation 8:18 9:16 31:1 44:13 45:3,15 45:20 46:5 input 19:13 93:8,16 insights 47:25 inspect 34:6 inspecting 24:15 inspection 23:6 23:11,13,18,24 24:6,11 26:8,17 83:18 88:15,21 88:24 89:10,13 92:1 93:24 inspections 22:11 23:16 26:3,7,10 29:17 88:22 89:5	91:23 inspectors 92:12 install 39:9 40:22 installation 4:3 installed 25:10 installing 32:21 institute 30:5 88:9 instructions 7:7 12:1 instrumentati... 14:14 intake 61:18 87:5 integrated 46:7 46:10 integrity 92:9 intelligence 41:15 intended 22:25 84:3 intent 35:19,22 interest 6:16 9:15 46:3 50:10,21 68:18 82:18 interested 36:19 53:17 69:24 interesting 44:8 interim 48:21	intermittently 20:3 international 37:14 60:19 interpreted 25:3 introduction 44:17 45:4 introductory 8:4 intrusion 77:24 investigation 96:5 investigations 15:16 investing 30:23 investment 56:6 68:5 investments 31:3 54:15 invitation 75:21,24 invitations 10:17 invite 75:17 80:6 invited 31:5,14 31:17 32:9 46:2 100:19,23 involve 13:20 involved 48:25 63:2 involvement 84:5
--	---	---	---

[involves - labs]

involves 41:15 87:10 isfsi 8:10 22:17 40:13 60:25 isolated 15:11 isotope 71:18 isotopes 47:5 issue 38:14 issued 18:11 issues 15:18 it'll 34:15 92:25	john's 41:9 join 100:8 joined 11:14 joining 6:4 11:9 jorge 4:6 8:10 8:11 22:13,13 22:23 24:22 26:24 28:14,17 28:18,21,24 34:22 36:8 37:13,25 38:10 39:8 40:2,19 41:2,6,13 42:2 42:13,14,18 43:1 44:5 89:16,19,20 90:7 99:4 100:19 joy 94:13 95:3 juan 3:15 4:8 8:16 22:23 25:12 35:17 39:20 44:11,15 44:16,22 45:4 54:24 55:19 56:21 58:2 59:7 61:8,16 62:11 64:6,21 65:15 66:16 68:12,23 69:2 70:14 72:11 74:2,17 75:6,8 75:13,20 98:1 99:4 100:19	julia 4:12 7:23 12:7 17:2,16 21:10 22:14 79:9 july 14:9 51:2 june 65:12 95:15	32:14 34:23 40:12 41:10 42:7 44:13 50:19 51:15 53:19 55:12 56:25 57:3,4,7 57:15 58:15,21 58:24 59:10,11 59:14,21,23 60:24 62:14,20 63:7 64:4,25 65:5,20 66:13 67:2,5,13,13,17 67:24 70:16,16 70:21,22 71:3,5 71:6,7,12,14,18 71:20,21 72:9,9 72:14,21 73:4 74:2,12,12,13 74:21 75:4 76:1 82:1 83:19,22 85:19 86:23 87:1,5,7 87:11,24,25 91:3 93:19 99:16 kotek 55:22
j		k	
james 94:18,21 94:25 95:6 96:21 january 50:4 jim 3:10 22:1 94:11,17,17,18 96:16,25 jimmy 88:6 job 12:16 jobs 54:13 56:5 joe 3:24 8:19 13:21 76:5,8,9 78:23 79:4 98:9 john 3:15 27:1 27:4,5,6,7,12 28:1,3 38:25 39:19,20 40:15 40:25 41:3,7 55:22 72:2,4,12 73:12		katrina 3:18 22:2 keep 11:24 12:4 31:23 84:10 98:12 keeping 16:25 83:6 key 8:9 89:3 kibbey 3:8 kind 16:15 39:9 39:22 46:1 48:21 52:24 57:6 59:14 62:15 71:11,13 74:7 88:23 kinds 65:18 king 20:5 knew 43:16 100:22 know 6:15 8:11 10:12 15:25 19:8,8 20:21 21:3,6 22:2,23 24:9,10 25:1,2 25:22 26:22	32:14 34:23 40:12 41:10 42:7 44:13 50:19 51:15 53:19 55:12 56:25 57:3,4,7 57:15 58:15,21 58:24 59:10,11 59:14,21,23 60:24 62:14,20 63:7 64:4,25 65:5,20 66:13 67:2,5,13,13,17 67:24 70:16,16 70:21,22 71:3,5 71:6,7,12,14,18 71:20,21 72:9,9 72:14,21 73:4 74:2,12,12,13 74:21 75:4 76:1 82:1 83:19,22 85:19 86:23 87:1,5,7 87:11,24,25 91:3 93:19 99:16 kotek 55:22
		l	laboratory 30:4 32:11,21 40:20 laborious 57:3 labs 36:11 37:14

[lack - lot]

<p>lack 51:18</p> <p>lake 63:19</p> <p>langley 88:14 89:22 93:4</p> <p>lap 98:18</p> <p>lapse 98:18</p> <p>large 18:17</p> <p>lasting 52:17 53:14 62:25</p> <p>late 11:14 48:23</p> <p>layer 99:6</p> <p>laymen 39:5</p> <p>lead 32:23 37:6 37:17 39:24 40:17 50:14 90:1,3,5,9,17 90:23 91:5</p> <p>leaders 22:6</p> <p>leadership 45:19 59:16</p> <p>leak 94:14 95:4 95:8,11,19,23 96:9,9</p> <p>leaking 96:3</p> <p>learned 47:24 48:2 56:9</p> <p>learning 41:16</p> <p>leave 27:24 34:2</p> <p>leaving 83:5</p> <p>led 30:3 31:2</p> <p>left 80:14,15,15 85:8 86:16</p>	<p>legalities 72:15</p> <p>legislation 52:13 56:15 74:8,13 75:5</p> <p>legislative 53:23 56:19 57:4,10,23 65:7</p> <p>lens 63:11</p> <p>lessons 47:24 48:2 56:9</p> <p>letters 74:11,15</p> <p>level 4:6,9 20:7 28:25 29:7 36:3 47:12,18 49:23 52:17,18 53:5 60:7 67:13 69:20</p> <p>levels 76:21 77:20</p> <p>leverages 47:14</p> <p>levin 43:12 74:14,19</p> <p>levin's 50:16</p> <p>liaison 3:13</p> <p>license 77:17 85:10 94:6</p> <p>licensing 73:20 94:2,3</p> <p>life 30:20</p> <p>lifecycle 8:18 9:16 44:9,12 45:3,15,20 46:5 67:20 71:9</p>	<p>lifestyle 99:11</p> <p>light 57:19</p> <p>lights 60:15</p> <p>likely 34:15 40:25</p> <p>limit 16:8</p> <p>limited 49:19</p> <p>limits 16:16 57:17,18 77:24 78:7</p> <p>line 46:1 86:22</p> <p>lines 94:16 95:5</p> <p>link 21:20 79:12 80:13</p> <p>liquid 7:18 85:4 85:6</p> <p>list 11:15 17:5</p> <p>listed 9:25 17:7 80:14</p> <p>listen 40:23 81:3</p> <p>listening 10:18 10:18 39:16 90:2</p> <p>literally 90:14</p> <p>little 10:23 20:14 35:13 50:2,12 52:7 61:22 80:6 86:15 90:9 100:11</p> <p>loans 53:12</p> <p>local 54:14 83:25 87:1</p>	<p>99:14</p> <p>located 40:4 70:20</p> <p>location 33:5 40:12 46:21 56:18</p> <p>locations 53:2</p> <p>logistics 39:4</p> <p>long 6:24 9:5 10:10,13 21:17 21:18 42:14,23 55:9 57:13 59:21 73:5 99:24</p> <p>longer 31:22 46:20 57:15</p> <p>look 16:2 24:6 30:9 49:1 52:22,24 53:2 61:2,17 79:7 96:18 98:20</p> <p>looked 14:17 59:14</p> <p>looking 9:13 13:12 18:7 19:23 29:19,20 39:11 41:10,12 47:17 53:10 63:11 64:4 72:24 100:6</p> <p>looks 36:23 70:1</p> <p>lot 7:20 8:2 43:16 47:20</p>
--	---	---	--

[lot - mean]

48:2 49:7,8,9 50:15,20 53:12 53:25 54:17 57:14 58:10,19 62:22 63:10 65:4,8 67:11 74:17 lots 41:19 lottery 72:13 louisiana 51:5 51:16 love 75:21 low 17:24 18:20 69:20 76:21 lower 86:15 luck 58:1 luis 3:16	maintenance 26:8 83:18 major 13:8 62:2 71:17 make 6:20 11:13,20 14:8 15:4 25:1 32:17 38:8 42:22 52:4,16 53:12 54:1,20 56:20 59:8 63:12 65:2 73:6,8,11 75:23 86:2 93:14 96:17 100:19 100:22 makes 71:15,19 making 14:21 50:24 51:12 52:1 53:14 59:7 67:21 69:8 73:6 74:24 87:20 manage 23:10 78:16 managed 77:9 management 3:6 12:23 14:20 15:2 23:11,17 24:5 24:11,12,25 25:21 26:3,6 29:10,11,17 31:2 46:16	49:22 78:8 83:12,19 84:7 89:3,13 91:24 92:5 93:6,21,22 98:4 manager 3:22 4:2 8:6 28:24 manages 87:18 managing 68:20 mandated 23:17 26:18 91:24 manny 85:5 manuel 3:22 12:4 26:25 27:3,4 28:7,8 35:2,3,8,13,24 36:2,21 37:7 38:23,24 41:8 41:20 42:10 43:7 75:9,11 79:1,2,16,22 80:17,19 81:7 81:13,21,24 82:2 84:12 88:20 89:14,16 89:21 91:7,8 92:16,17,21,24 93:2 94:8,23 95:1,2 96:15,21 96:23 97:4 manufacturing 49:25 58:21	71:21 mark 90:6 100:1 marla 56:1,23 marni 83:11 martha 3:3 17:14 36:25 37:1,4,8,21 63:22,25 64:14 65:10,23,24 74:6,7 75:3,7 martinez 4:12 7:23 materials 7:8 69:16 matter 87:7,19 matters 84:6 maximizing 46:23 maximum 19:1 mcdonald 3:10 mcfarlane 63:19 mcnally 84:21 84:23 mcnicholas 3:3 17:15 37:4,8,21 63:25 64:14 65:10,23 74:7 75:3,7 mean 16:22 42:19 46:17 56:23 59:9 62:12 69:21
m			
machine 41:16 102:11 made 8:7 15:17 42:16 95:10,22 98:11 102:11 madigan 94:11 94:17,18,21,25 95:6 96:21 magna 83:11 magnetic 31:9 mail 11:3 83:11 85:14 87:21,22 main 6:20 46:7 57:22			

[mean - move]

<p>72:14 74:12</p> <p>means 17:24,25</p> <p>24:14 68:21</p> <p>85:24 92:12</p> <p>mechanical</p> <p>39:10 85:23</p> <p>mechanism</p> <p>36:7 47:18</p> <p>mechanisms</p> <p>52:15 53:13</p> <p>meet 24:11</p> <p>26:20 31:20</p> <p>72:22 78:5</p> <p>85:4 93:6</p> <p>meeting 1:2,8</p> <p>2:2,10 6:8,11</p> <p>6:21 7:8,9 9:8</p> <p>11:5,6 12:2</p> <p>22:10 33:9</p> <p>37:19 79:22</p> <p>88:10 96:17,22</p> <p>97:10 100:2,8</p> <p>101:8,11</p> <p>meetings 13:1</p> <p>88:2,4 96:20</p> <p>meets 93:24</p> <p>mel 3:16</p> <p>member 3:1,5</p> <p>12:6 55:21</p> <p>members 9:11</p> <p>10:9 11:1,9,14</p> <p>11:18,21 17:7</p> <p>43:11 78:23</p> <p>82:10 87:3</p>	<p>93:11 97:2,8,18</p> <p>97:18,23</p> <p>100:14</p> <p>memorandums</p> <p>52:8</p> <p>mention 18:20</p> <p>91:1</p> <p>mentioned</p> <p>18:20 29:9</p> <p>31:14 34:11</p> <p>48:6 53:4,13</p> <p>58:15 59:22</p> <p>74:18 76:14</p> <p>80:11 88:1</p> <p>99:3</p> <p>menu 52:24</p> <p>58:21,23</p> <p>met 19:21,22</p> <p>method 89:9</p> <p>methods 23:13</p> <p>26:13 88:16,21</p> <p>mic 39:1</p> <p>michelle 3:6</p> <p>microphone</p> <p>7:13 11:18,24</p> <p>55:15</p> <p>microsoft 1:6</p> <p>2:11 6:1 7:13</p> <p>mike 4:3 8:10</p> <p>22:12,14,16,17</p> <p>27:11 74:14,19</p> <p>88:17,19,20</p> <p>89:15,18 91:12</p> <p>91:18,18,19</p>	<p>92:20,23,25</p> <p>93:17,18 94:9</p> <p>miles 19:18</p> <p>46:20</p> <p>million 66:14</p> <p>mimic 37:6,12</p> <p>40:7 90:12</p> <p>mimicked</p> <p>37:16</p> <p>mimicking</p> <p>40:10</p> <p>mimics 32:24</p> <p>mind 83:6</p> <p>mine 66:3</p> <p>minimal 57:7</p> <p>minimize 19:3</p> <p>47:8</p> <p>minimum</p> <p>58:24</p> <p>mining 59:23</p> <p>minute 8:23</p> <p>51:7 64:16</p> <p>minutes 34:12</p> <p>45:16 79:19</p> <p>80:8</p> <p>miracle 100:11</p> <p>misses 12:15</p> <p>mission 3:16</p> <p>mitigation</p> <p>29:13</p> <p>mobilized 78:1</p> <p>mockup 32:22</p> <p>model 49:8</p> <p>70:5,19</p>	<p>models 42:1</p> <p>48:10 53:9,9</p> <p>62:13</p> <p>molybdenum</p> <p>47:5</p> <p>moment 9:24</p> <p>80:11,20</p> <p>momentum</p> <p>51:25</p> <p>monitor 26:2</p> <p>29:21 30:11,12</p> <p>monitoring</p> <p>7:19 8:15</p> <p>22:19,21 23:2</p> <p>24:9,10,20,21</p> <p>25:6,23 26:4,19</p> <p>29:14,14 76:24</p> <p>93:6</p> <p>months 12:14</p> <p>16:23 19:22</p> <p>morales 56:1</p> <p>motivation</p> <p>26:1</p> <p>mou 38:16</p> <p>mountain</p> <p>56:17 57:16</p> <p>mous 64:19,25</p> <p>move 13:10</p> <p>17:2 38:20</p> <p>42:8 44:7</p> <p>57:10 59:11</p> <p>60:5 63:6</p> <p>75:10,12 76:4</p> <p>86:19 88:11</p>
---	---	---	---

[move - nuclear]

<p>97:7,9,14 99:13 moved 15:10 21:23,23 58:13 moves 46:18 moving 33:13 55:22 57:8,13 61:19 69:12 72:24 73:19,25 91:11 mpc 25:17 multi 54:18 multiple 25:13 57:4 murray 43:13 mute 63:24 94:19 96:15 muted 11:25</p>	<p>37:13 38:10 39:8 40:2,19 41:2,6,13 42:2 42:13,18 43:1 89:20 90:7 national 24:25 30:4 32:11,20 36:11 40:20 77:18 nationally 99:7 natural 85:23 85:25 naturally 78:9 78:12 near 12:15 56:20 57:11,14 61:2 75:2 necessary 63:21 need 27:18 31:23 38:11,11 38:12,13,16 41:19 45:23 53:25 65:20 66:8,21,22,25 69:4,5,10 71:20 71:20,21 74:3,9 74:10 75:4 93:5 needed 24:10 49:16 91:16 needs 29:11 38:7 53:7 55:8 65:17</p>	<p>negligent 82:8 negotiations 61:3 72:18 neighbors 74:11 neither 47:25 never 95:11 new 12:1 43:11 48:4,17 54:25 55:14 57:20 61:23,23 62:3 nicholas 3:2 night 101:8 nina 80:25 81:3 81:8,9,13,18,20 81:21,23,25 82:3,3 84:13 86:22,23 nlic 51:8 nofos 67:23 68:1 non 91:1 nope 28:8 normal 77:10 note 6:11 7:9 11:22 78:4 noted 14:24 notes 59:7 notice 67:25 notification 15:5,5 notifications 8:6 14:4</p>	<p>notified 16:14 notify 15:2 16:11,11,17 november 92:6 100:3 nowak 3:24 8:19 13:21 76:5,9 98:9 npdes 77:17 nrc 14:5 16:11 17:19 18:6,8 23:17 27:14 29:9 34:4 35:17 50:20 77:17 89:2 91:23 92:7 93:21 94:1 nrc's 82:17 nuccomm 11:4 82:5 85:2 87:23 nuclear 1:3 2:3 3:14,21 4:7,9 6:13 8:3,14,17 9:16 10:14 15:7 26:14,18 29:6,23 30:13 34:5 44:9,12 45:3,9,14,19,20 45:22 46:5,8,10 46:11,24 47:13 48:11 49:18,22 51:14,15,16,18 53:5 55:20</p>
<p>n</p>			
<p>n 92:6 n860 92:6 nail 16:4 name 6:5 7:10 8:12 11:15,20 28:16,17,18,23 45:4 79:17 83:17 102:21 names 79:13 80:14 87:14 napuri 3:18 narvaez 4:6 8:11 22:13 26:24 28:17,18 28:21,24 36:8</p>			

[nuclear - oral]

61:15 66:14 67:20,22 69:7 70:9 89:1 98:3 98:17 99:17 nuhom 94:4 nuhoms 25:16 number 7:12 10:9,12 17:9 23:25 28:14 31:14,15 55:7,8 55:13 58:24 60:6 81:9,19 82:23 91:13 97:12 102:25 numerous 62:12 nwpa 57:19 72:16	occur 90:18 occurring 78:12 ocean 13:14 oceanside 3:11 ocram 62:18 octa 20:9,11 october 24:3 88:6,10 offer 58:23 99:12 offering 99:23 office 4:6,6,7,8 4:9,9 28:25 31:2 45:6 49:1 53:10 62:16,19 63:2 67:22 officer 3:13,21 8:4 10:15 101:13 offices 67:21 officials 22:6 offshore 19:11 offsite 12:20 13:11 oh 43:19 65:11 69:17,17 73:14 81:13 82:2 96:23 oil 42:3 51:19 okay 16:10,19 17:16 19:6 20:20 22:8 27:6 28:1,10,19	29:8 34:21 35:7,15,15 36:2 36:18 37:8,21 37:21,24 39:18 41:7 43:5,8 44:19 45:12 61:8,8,21 63:15 64:14 65:10,23 68:10 71:25 72:2 73:14 75:9,13 76:5 79:4 80:5,24 81:7,13,14,20 84:14,20 89:21 91:11 93:2,2 94:10 95:6 96:24 97:1 oklahoma 51:5 51:17 old 98:7 once 15:13 30:18 40:21 44:5 48:6 54:4 65:16 79:5,7,10 100:13 101:5 ongoing 19:17 78:19 online 11:8,9 79:13 84:15 86:6 88:4 96:19,20 onofre 3:24 6:17 8:20 9:21 17:12 27:16,23	38:3 68:22 74:3 94:15 95:4 96:4,14 100:4 101:2 onset 48:25 open 7:13 11:17,23 73:3 80:12 82:9 83:24 openness 10:16 operates 26:5 operating 25:20 63:7 operational 48:10 operations 30:6 47:13 66:20 operator 25:24 operators 92:10 opportunities 67:25 68:1 99:14 opportunity 9:17 11:1 25:5 52:4 73:8 93:8 99:13 opposed 46:8 opposite 64:7 optic 31:11 optional 60:1 options 62:19 oral 11:7 80:21
o			
oak 30:4 obama 55:2 objective 82:18 objectivity 83:14 observation 89:8 observe 40:23 obviously 47:7 47:11 49:8,21 52:21 53:8,23 57:12 60:24 64:8 71:11 72:15 74:18			

[orange - permanent]

orange 3:6,7,18 20:9 orbital 47:17 order 45:24 72:16 79:24 80:16 84:18 87:8 orders 47:2 67:17 organic 14:23 15:24 16:3,7 organizations 30:2 original 83:7 osha 12:13 16:22 ourself 25:25 outbox 87:22 outlined 62:3 output 47:10 overall 47:8 overhaul 50:19 57:5 overlaps 51:20 overlooked 66:18 overpack 40:9 oversight 82:19 overview 31:13 own 52:24 63:3 84:10 88:6 owners 34:4 83:24 84:6	p p.m. 2:11 101:12 package 95:11 95:13 pad 57:18 page 5:2 7:9 100:9 101:14 paid 82:25 paints 16:2 panel 1:1 2:1 6:7 30:1,9 31:7 32:17 43:14 45:2 panelists 80:1 81:2 84:19 paper 19:10 parks 3:8 part 15:1 24:23 29:24 30:15,17 31:6 36:14,16 41:9,12,13,14 41:18 43:12 45:21 46:22 48:7 49:18 53:7 59:2 60:9 60:25 89:12 91:17,21 93:4 94:3 participate 55:5 80:21 participated 9:9 13:4	100:15 participating 10:25 17:10 70:8 97:19 99:8 participation 10:8 97:23 participations 24:23 particular 16:9 65:19 particularly 42:6 parties 102:17 partner 24:24 partnering 34:11 partnerships 99:22 parts 51:21 53:1 58:19 59:4,5,24 party 83:13 passed 72:23 past 12:14 20:3 30:22 35:16,17 52:6 55:19 62:9 99:13,13 99:15 path 67:15 68:21 pathway 98:6 patiently 63:23	paul 43:13,14 43:19 pave 54:2 pay 27:12,19 66:12 paycheck 63:9 paying 66:10 82:11 pencil 32:23 37:5,17 40:17 90:1,3,5,9,14 91:5 pending 74:13 pendleton 3:12 people 13:3 28:6 84:22 percent 43:18 perform 26:2 31:18 32:9 performance 29:14 performed 23:16 91:23 performers 31:6 period 6:23,25 31:22 58:9 94:2,5 periodic 75:22 periods 94:7 permanent 46:13 54:13 70:25

[permit - presenters]

<p>permit 77:19 85:10</p> <p>permits 86:1</p> <p>person 79:19 80:20 81:15 83:15 89:22</p> <p>personally 99:4</p> <p>persons 96:12</p> <p>perspective 24:9</p> <p>ph 77:20</p> <p>phone 7:6,8,11 11:21 12:1</p> <p>photo 78:10</p> <p>photonics 32:7</p> <p>photos 23:25 24:6,17</p> <p>physics 87:13</p> <p>pick 19:10 58:22</p> <p>picture 12:8 13:7</p> <p>pid 14:15</p> <p>piece 47:16 52:21 75:5</p> <p>pipes 42:4</p> <p>pitched 66:9</p> <p>place 23:7 31:22,23 32:10 33:14 40:5 61:20 85:22 90:21,22,22 102:9</p>	<p>plain 87:4</p> <p>plan 14:20 15:2 20:14</p> <p>planets 50:23</p> <p>planned 72:6 72:12 85:8</p> <p>planning 3:23 12:16 18:14 21:15 43:2</p> <p>plans 3:12</p> <p>plant 13:4 14:11 26:7</p> <p>plants 51:17</p> <p>play 17:8 98:6</p> <p>player 51:23</p> <p>please 6:10 7:9 7:25 10:22 11:10,24 17:2,4 17:16 18:2 19:14 21:10 22:8,14 28:14 28:15 29:2,8,24 30:22 31:12 33:15 44:18 45:12 50:7 66:11 76:11 79:9 80:5 82:2 97:15 98:15 99:2,25 100:1 100:10 101:6</p> <p>pleased 6:14</p> <p>pleasure 22:9 44:25 56:24</p>	<p>plethora 71:4</p> <p>plus 88:3</p> <p>plutonium 66:5 66:12</p> <p>point 20:22 24:2,7 48:7 59:18 66:18 69:8 86:17</p> <p>pointed 49:2</p> <p>points 13:13 63:5</p> <p>policy 21:18</p> <p>pollutant 77:18</p> <p>pool 13:16 76:17</p> <p>portable 14:13</p> <p>portion 14:11</p> <p>position 24:8,8 34:13</p> <p>positive 41:11 75:2</p> <p>positives 41:17 41:17</p> <p>possibilities 51:24</p> <p>possibility 33:17</p> <p>possible 38:6 42:16 62:6 70:7</p> <p>post 86:12</p> <p>posted 6:18 100:9</p>	<p>potential 18:8 23:5 43:21 51:4,6 54:19 98:5</p> <p>potentially 9:18 9:19 18:12 22:20 43:3 46:4 52:11</p> <p>power 30:5 51:17 71:3,20 88:8</p> <p>praise 58:10</p> <p>pre 12:16 32:4 40:21 67:6</p> <p>preclude 57:13</p> <p>predispose 67:5</p> <p>prepare 60:16 87:8,8</p> <p>prepared 99:21</p> <p>presentation 4:12 6:18 7:15 22:22 28:12 39:3 44:6,9 61:23 63:18 75:16 76:15 77:12 78:20</p> <p>presentations 9:14 13:23</p> <p>presented 32:16</p> <p>presenter 11:13 11:16,20 29:9</p> <p>presenters 4:11 100:14</p>
---	---	--	---

[president - protection]

<p>president 3:21 8:3 55:20</p> <p>press 32:7 33:11</p> <p>pressure 62:5</p> <p>pressurizer 95:14,16,20</p> <p>presumably 80:4</p> <p>pretty 20:12 26:15</p> <p>prevent 96:6</p> <p>prevention 29:13</p> <p>previous 29:9 31:1,15 91:22 93:19</p> <p>primarily 30:2 76:19</p> <p>primary 77:19 82:13 93:10</p> <p>principal 3:22</p> <p>principles 12:11</p> <p>prior 46:17 48:18 62:23 96:19</p> <p>priority 12:13 53:11</p> <p>private 53:17 54:16 62:14,15 63:8 67:3 71:5 71:8</p>	<p>probably 21:7 32:14 61:12 72:13 73:18,22 73:24</p> <p>problem 28:21 45:22 61:19</p> <p>problems 19:16 62:2</p> <p>procedures 39:5</p> <p>proceed 67:15</p> <p>proceedings 102:8,11,15,17</p> <p>process 30:18 47:24 49:14 64:18,24 65:22 73:4 84:24 85:2,3 86:20 87:5,19,24</p> <p>processed 78:14</p> <p>processing 76:12,16 77:10</p> <p>produced 32:25</p> <p>product 66:8</p> <p>production 71:18</p> <p>productive 62:1 101:7</p> <p>professionals 87:11</p> <p>profile 18:15</p>	<p>profitability 65:12 67:14 68:7</p> <p>profitable 64:10 67:6,7</p> <p>program 21:20 23:11,17 24:13 24:13,25 26:17 28:24 29:17 30:25 43:21 63:13 68:18 77:11 89:3,13 91:24 92:1,5 93:22,24 98:4</p> <p>programmatic 26:5</p> <p>programs 9:18 18:10 22:12 23:6,12,18,20 29:10,12 31:1 93:21</p> <p>progress 50:24 52:1 58:8,9 73:6,9 98:11</p> <p>progresses 75:18 98:13</p> <p>project 1:4 2:4 4:2 6:13 8:6 13:25 14:1 29:16,25 33:22 34:9,10</p> <p>projected 60:17</p> <p>projections 54:11,11</p>	<p>projects 31:5</p> <p>prominent 62:23</p> <p>promise 68:20 82:9 84:11</p> <p>promises 21:18</p> <p>promoting 46:25</p> <p>pronounce 28:15</p> <p>pronouncing 94:13</p> <p>properly 15:13</p> <p>proportionally 48:12</p> <p>proposal 55:10 92:4</p> <p>proposed 17:19 18:4 92:3</p> <p>proposition 55:9 58:16 99:24</p> <p>proprietary 82:25</p> <p>prospect 72:5</p> <p>protect 19:24 20:2,17,18</p> <p>protecting 18:24 20:11</p> <p>protection 12:24 17:20,25 87:12 95:21 96:11</p>
---	--	--	---

[protocols - rails]

protocols 15:16 proud 16:25 87:25 proven 23:12 88:16,21,22,25 provide 7:6 8:4 8:21 12:21 13:21 14:4 22:25 26:10 37:20 44:12 76:6,11 82:9 87:3 provided 7:7 21:21 94:5 provides 24:13 91:14 providing 68:2 79:5 82:15 pt1 25:16 pt4 25:17 public 5:1 6:22 6:25 7:7,18 8:24 10:1,23,25 11:1 13:2,5 15:1,18 18:1,25 19:4 79:10,11 79:21,22,23 80:12,18,21 82:3 84:4 87:3 88:2,3 93:11 94:2,4,7 97:2 97:19 100:14 pull 62:8	pumped 77:9 purpose 25:10 30:8 36:4 purposes 45:12 54:7 70:15,18 pursue 12:20 67:18 pursuing 67:10 71:5 push 44:3 50:25 67:18 pushing 43:25 put 57:18 89:8 putting 20:12	85:18,21 86:21 88:12,12,19,24 89:23,25 90:1,5 90:6,8 91:13 92:16 93:1,3,4 93:5 94:10,12 95:1,8 97:5,9 98:23 99:16,20 100:17 questions 6:25 7:3 10:1 11:2 12:3,4 15:21 17:23 21:21 26:23 34:24 53:19 55:12 58:14 59:8 61:6,12 65:25 68:14 76:2 79:24,25 80:3 80:12,24 81:3,5 82:6,14 84:16 84:19,22 86:24 87:2,6 88:13,14 91:12 93:19 97:1,12,20 queue 80:16 84:16 quick 15:21 19:15 36:9 quickly 49:18 58:12 59:5 73:19 97:7 quinn 3:14 10:11 35:4,6,6	35:11,15 36:18 55:14,18,19 57:25 quite 21:1 68:13,14 97:12 quote 52:2 91:15,16 quoting 84:3
			r
	qualified 92:11 quality 21:1,1 quarter 21:15 23:3 100:2 question 7:6,11 10:17 11:10 17:18 26:25 28:14 35:25 36:3,9 42:23 43:6 47:20 48:19 56:13,22 58:3,18 59:2 60:10 61:21 62:5,11 63:23 67:2,8 70:2 72:11 78:24 79:13 80:25 81:1 85:15,16		r 94:13 r&d 45:6 47:15 radiation 17:20 17:25 95:21 radioactive 85:4 radioactivity 76:22 96:1 radiological 12:12 18:16 19:4 77:3 96:11,12 rail 19:23 69:21 95:17 96:13 railcar 95:9,10 95:24 96:10 railcars 73:20 railroad 19:9 19:12 94:15 95:4,18 rails 19:17,18 19:18,24 20:2 20:11

[rainwater - related]

rainwater 13:20 76:19 raise 11:11,19 11:22 34:24 raised 11:19 27:3 81:10,16 raises 20:7 ranges 62:19 ratepayers 82:10 83:1 rather 25:5 rating 16:4 react 90:24 91:6 reactions 11:11 reactor 13:16 18:17 reactors 47:7 49:21 71:6 read 6:23 7:15 9:24 10:3 77:12 84:10 86:6 94:25 readily 15:25 89:7 reading 14:23 15:4 readings 14:24 15:10 ready 69:9,10 74:5 79:10 80:6 real 30:20 40:7 40:11 41:17	43:8 58:18 99:20 reality 51:12 54:3,21 really 9:11 10:16,18 13:12 17:17 19:7 21:16 22:4 23:12 26:1 27:15 28:11 33:21,23 45:17 45:20 46:1,7,13 46:15,23 47:23 47:23 50:11,13 50:14,22,23,24 51:25 52:1,3,9 52:25 54:17,24 55:21 59:15,15 60:5 61:18 62:22,24 63:18 65:15,21 66:2 67:18 68:8,15 73:7,8 75:14,16 83:2 90:25 91:2 reasonably 17:24 18:21 reasons 56:7 receive 25:13 87:2 received 48:19 50:9 79:25 80:16	recent 8:6 14:4 recently 20:5 51:2 77:4 recess 80:9 recognition 59:10 recognize 53:24 83:24 recognizing 72:25 recommend 21:16 record 102:10 102:18 recordable 12:13 recorded 2:10 6:11 recovery 27:21 recurrence 96:6 recycle 66:4 recycling 46:25 47:6 49:21 53:18 64:10 66:1,7,20 67:10 67:19 68:2 reduce 66:24 reduction 77:2 reemphasize 48:14 51:7 60:4 reestablish 45:18	refer 11:25 14:11 46:9 reference 19:13 43:9 99:11 refers 95:8 reflected 48:4 76:23 reflects 102:18 reframe 46:16 refresh 80:10 regarding 9:1 17:23 76:7 82:11 regardless 57:8 regards 57:3 regular 1:2 2:2 89:9 regulation 18:7 27:15 34:7 93:25 regulatory 13:17 15:7 18:22 26:14,18 45:9 50:19 77:23 78:18 86:3,3 87:12 93:25 reinstating 62:17 reinventing 47:22 relate 80:1 related 6:25 35:18 56:5
--	--	---	---

[related - results]

<p>80:3 84:6</p> <p>relates 17:25</p> <p>18:19 21:5</p> <p>63:18</p> <p>relationship</p> <p>10:21</p> <p>release 13:15</p> <p>32:7 33:12</p> <p>76:13 77:10,13</p> <p>86:12,13,14,15</p> <p>86:18,20</p> <p>released 13:19</p> <p>32:7 50:3,4</p> <p>77:15 78:6,15</p> <p>releases 7:19</p> <p>8:22 13:14,19</p> <p>76:7,24 77:1</p> <p>78:4 79:6 85:4</p> <p>85:7 86:2,4,10</p> <p>98:10</p> <p>remain 12:18</p> <p>12:22 18:24</p> <p>49:10</p> <p>remainder</p> <p>78:14</p> <p>remaining</p> <p>13:19 47:11</p> <p>86:10</p> <p>remains 12:12</p> <p>13:10,19 19:5</p> <p>76:18 98:14</p> <p>remarks 8:4</p> <p>remember 55:2</p> <p>55:5 59:8</p>	<p>82:21</p> <p>remind 21:13</p> <p>83:23</p> <p>reminder 7:14</p> <p>64:22</p> <p>remote 102:16</p> <p>remotely 102:9</p> <p>removal 9:20</p> <p>57:15</p> <p>remove 34:17</p> <p>56:16,17 98:7</p> <p>removes 12:19</p> <p>removing 57:12</p> <p>60:25 68:21</p> <p>rendering 54:5</p> <p>54:6 70:18</p> <p>repackaged</p> <p>74:3</p> <p>repair 78:1</p> <p>repairs 79:7</p> <p>repeat 35:25</p> <p>96:7</p> <p>replace 29:4</p> <p>report 6:14</p> <p>reportables</p> <p>16:22</p> <p>reported 1:13</p> <p>102:16</p> <p>reporter 102:3</p> <p>102:6</p> <p>reports 37:18</p> <p>repository</p> <p>46:19 66:9,21</p>	<p>represent 77:23</p> <p>representative</p> <p>3:11</p> <p>representatives</p> <p>3:20 4:1 56:2</p> <p>reprocess 66:4</p> <p>reprocessing</p> <p>46:25 53:18,22</p> <p>66:2,7,20 67:10</p> <p>69:4,6</p> <p>reprocessor</p> <p>71:16</p> <p>request 46:3</p> <p>50:4 98:20</p> <p>requesting 68:1</p> <p>require 27:10</p> <p>34:4</p> <p>required 14:15</p> <p>16:13 18:10</p> <p>26:20 42:20</p> <p>56:16 58:25</p> <p>86:1 93:14</p> <p>requirement</p> <p>29:10 93:15</p> <p>requirements</p> <p>13:17 14:20</p> <p>23:19 26:7</p> <p>53:23 77:17</p> <p>78:5,15,18 86:3</p> <p>research 4:9</p> <p>24:5 29:16,25</p> <p>30:5,25 31:1</p> <p>32:11 33:22</p> <p>34:9,10 35:16</p>	<p>36:10,12,15,17</p> <p>45:6 47:16</p> <p>56:6 68:3 88:8</p> <p>reserve 8:24</p> <p>residue 37:10</p> <p>resolution 75:2</p> <p>resources 46:24</p> <p>98:16</p> <p>respect 49:15</p> <p>64:25 65:22</p> <p>84:1,1 86:8,23</p> <p>respectful</p> <p>65:17 73:1</p> <p>respectfully</p> <p>72:19</p> <p>respecting</p> <p>64:25</p> <p>respond 50:10</p> <p>62:10 82:5</p> <p>responding</p> <p>10:19</p> <p>response 23:18</p> <p>50:8 68:8</p> <p>responses</p> <p>50:21</p> <p>responsibility</p> <p>71:2</p> <p>responsible</p> <p>12:18</p> <p>rest 85:21</p> <p>result 41:4</p> <p>results 23:24</p> <p>32:16,17 76:23</p>
---	--	---	---

[returned - screen]

<p>returned 78:8 96:4,14 revealing 82:6 revenue 54:14 revetment 20:13 review 9:24 18:9 30:1,8 31:6 32:17 reviewed 38:19 revisited 57:19 rewarding 49:11 rey 3:16 rfi 49:2 50:3,11 rhodium 47:5 ridge 30:4 right 9:2 14:7 20:10,22 32:20 34:7 37:4,24 38:17 41:20,25 44:22 48:24 49:5,5 53:15 56:10 59:24 63:4,13 64:12 64:14,21,24 69:20 71:16,25 73:11 78:11 87:19 88:23 92:19 96:24 risk 14:25 18:4 18:15 73:5,7 road 62:7</p>	<p>rob 3:11 robot 88:22 robotic 23:13 26:10 88:15,21 88:21 89:4,10 robotics 92:18 robust 26:17 50:8 75:14 98:3 101:8 rock 20:14 rocks 20:13 rogelio 81:11 81:15,17,22 94:20 role 17:8 98:5 roles 38:15 rolled 60:11 99:7 rolling 59:1,3,4 round 31:18 32:1,9 51:9 rounds 30:16 31:18 rsvp 21:21 rtt 92:10,18 rug 62:8 rule 17:19 18:8 run 19:18,18 42:24 62:19 running 68:19 69:11 runway 57:23 65:7</p>	<p>s safe 12:19 15:17 17:1 55:8 58:16 safeguard 66:13 safely 13:9 68:25 78:17 98:14 safety 12:11 14:22 18:1,23 18:25 19:4 99:7,23 salon 16:4 sampled 15:12 77:16 samples 4:2 8:5 14:3,7 15:23 16:13 san 3:4,10,15 3:16,24 6:16 8:19 9:20 17:12 19:19 21:8 27:16,23 37:25 38:3,3 68:22 72:7 74:2 94:15 95:4,16 96:4,14 100:4,20 101:2 sand 19:25 20:14,24 21:7 savvy 51:15</p>	<p>saw 22:18 72:6 72:12 saying 29:3 33:12 36:24 44:24 66:17 says 29:12 37:11 84:23 85:6 93:7 95:2 scan 78:23 scatter 46:8 sce 3:20,22 4:1 4:2,3,11 7:4,7 8:2,5,10 12:5 22:12 24:19 38:14,17,19 68:17 79:16 80:4 86:24 91:13 99:8,9 sce's 8:5 sce.com 87:23 scenario 52:25 71:13 schedule 13:24 100:1 scheduled 6:8 13:6 scope 41:14,15 41:18 43:2 scott 3:8 10:12 scratch 48:1 scratched 83:5 scratches 83:9 screen 11:12 28:6 79:20</p>
---	---	--	---

[sds - significantly]

sds 8:20 76:6 second 6:24 11:23 24:7 34:8 45:1 56:11 59:2,18 61:21 89:18 92:23 secretary 3:3 17:14 19:23 51:2 section 10:3 77:12 sector 3:9 see 8:1,2 10:23 10:24 11:12,15 11:19 16:2 17:5 19:9 21:10 27:2,17 28:5,6 32:4 35:11 37:19 38:9 41:11 55:24 58:8 60:19 63:4 68:11 69:22 73:12 74:25 75:10 78:10,11 78:24 79:1,2 80:7,23,24 81:18 84:14 91:5 93:3 100:24,24 seeing 50:15,18 50:19,22 59:16 62:22 68:18,21	78:25 97:11 seek 27:21 seem 58:18 seems 55:10 58:15 seen 21:6 49:7 62:13 67:11 segment 79:21 selected 33:12 33:17 selection 30:16 30:17,19 31:13 32:18 33:10 38:12 51:9 54:9 seminar 24:4 senior 21:19 sense 71:15,19 sensible 32:7 sensing 34:6 sensitive 67:1 sensor 39:6,9 39:10 sensors 31:10 31:10,11 32:21 33:3,4 34:17 40:16,22 90:21 90:24 91:6 sent 80:22,23 85:9 separate 70:11 separation 47:4 september 13:6 21:15 33:9,11	96:22 102:22 sequence 37:1 60:11 series 55:3 serious 82:18 seriously 87:2 seriousness 72:14 serve 17:5 84:3 served 9:6 service 17:11 services 16:17 set 31:17 38:15 40:16 52:14 61:20 79:10 81:5 102:10 sets 27:14 setup 33:2 39:10 several 30:2,16 31:5 37:13 67:23 90:10 shape 53:3 shaping 18:23 share 36:22,22 37:18 98:2 shares 51:16 shenanigans 44:18 sheriff's 3:6 shims 82:21,25 ship 69:9 73:23 shipment 95:16 96:2,3,13	shipments 95:9 95:12 shipped 15:12 27:23 95:15 shipping 69:15 69:19 73:22 shoreline 7:18 short 58:9 61:16 shorthand 102:3,5,11 shortly 24:22 25:12 show 24:2 33:24,24 shown 24:16 shut 13:4 shutdown 69:12 side 15:11 47:22 54:1,16 64:7 70:20 80:15 sign 11:7 68:25 79:13 80:13 signature 102:24 signed 45:25 79:14 80:20 significant 18:13 52:4 67:21 76:21 significantly 9:19
---	--	---	--

[similar - specifically]

similar 60:20 93:18 simple 91:4 simplified 54:5 simply 62:15 simulate 90:17 simulating 90:4 sincerely 57:21 single 6:24 7:22 46:19 48:7 56:25 64:5,7 site 13:10 15:8 15:12,15,15 23:14 25:24 26:12 27:18 33:20 40:12 46:19 48:9 55:7 70:17 75:23 84:7,8 85:1 91:24 95:10 98:14 sites 25:14 36:13 69:12 siting 47:21,24 48:20 51:21 sitting 95:25 situational 12:17 six 59:11 70:7 slab 78:13 slash 91:14 slaughtering 8:12	slide 10:22 12:7 14:3 17:2,4,16 21:10,11 22:8 22:14,21,22,25 26:24 28:14 29:2,8,24 30:22 31:12,15 33:15 34:20 44:8 45:12 50:6 54:4,21 76:5,10 78:10 79:9,15 80:5,13,15,15 97:15 98:15 99:2,25 100:10 slides 4:12 7:14 7:24 24:1,2 small 20:21 30:25 31:4 39:7 56:15,19 77:23 95:19 96:9 smell 14:12 16:5,5 society 3:14 55:20 soil 14:19,20 15:2,9,11 sole 56:18 solely 34:8 solid 78:7 solution 19:23 19:24 20:1 solutions 3:24 7:16 8:20	12:21 21:14 22:3,5 100:5 solve 45:23 somebody 74:13 75:4 94:17 someday 27:17 27:19 songs 1:1 2:1 6:6,19 7:17 8:15 9:8 12:10 13:4 17:9 18:22 19:9 22:17 23:2,6,9 24:8,18 26:16 27:10 33:18,19 34:10,10 40:2 40:13,19,23 42:24 69:13 76:13,16 78:16 83:23 84:6,6 85:1,17,22,22 87:18 89:10 92:4 93:5,10,23 98:7 99:6 100:4,6,20 songsce.com 11:4 soon 74:4 sorry 22:13,13 63:25 91:19 92:25 sort 45:16 65:1 86:19	sound 40:17 41:4 44:21 50:12 90:3 sounded 38:5,6 sounds 16:23 39:11 81:6 source 82:7 south 3:8 14:12 southern 3:20 4:1 14:10,11 30:7 43:25 sovereignty 49:15 space 68:19 speak 7:5,12 11:25 79:13,14 79:18,19 80:14 speaker 8:12 80:15 82:1 84:16 speakers 4:5 6:10,14 7:2 8:1 97:18 99:4 speaking 12:1 13:2 special 17:13 22:1 35:22 88:4 99:9 specialty 77:25 specific 46:21 65:11 87:14 specifically 23:4 49:2 77:25 90:2
---	--	--	---

[spectrum - strides]

spectrum 64:8 speed 57:9 spend 45:16 spent 4:3,6,9 7:16 9:18,20 12:19 13:9,11 13:15 21:13,14 21:18 22:3,5 24:25 27:22 28:25 29:6 34:4 45:8 60:7 61:15,24 68:19 68:20 69:7,12 76:17 84:7,8 98:3,7,13 spill 16:16 spoke 70:19 sponsor 3:24 8:19 staff 12:5 43:12 56:1,23 staged 95:16 stages 25:20 97:10 staging 34:1,19 42:19 stainless 30:13 90:4 stakeholder 3:23 stakeholders 85:13 stall 73:5	stand 15:22 63:14 92:22 standalone 26:4 standard 29:6 90:10 standards 85:5 standing 9:5 standpoint 13:24 star 11:23,24 start 9:4 12:11 34:14 37:6 44:24 53:2,3,20 59:9 60:25 66:16 69:12 71:13 73:21 74:11 75:4 starting 39:14 48:1,20 60:24 starts 71:23 93:5 state 3:8 20:8 20:17 42:8 49:25 50:20 52:17,25 54:14 58:22 61:13,18 65:19 71:3 94:16 95:5 102:6 state's 59:19 65:1,17 73:1 stated 83:8	statement 65:12 91:17 states 46:3 48:22,25 50:10 51:3,6,8,8 52:9 52:20 53:16 56:3,8,10 60:2 61:15 63:1 64:2 65:8 69:18 72:18 84:2 98:4 99:15,17,23 status 11:16 13:25 stay 17:8 101:6 staying 31:22 62:15 stays 86:17 steel 30:13 90:4 stenographic... 102:16 step 18:6 46:15 53:15 64:17 65:13 steps 52:8,10 65:5 stetson 3:2 6:3 6:5 10:6 15:20 16:10,19 19:6 20:20 21:2 27:2,5 28:3,10 28:19 34:21 35:24 37:3,23 38:23 39:19	41:21 42:14,21 43:5,8 44:21 54:23 55:16 58:4 61:9 63:17 65:24 68:10 69:14,25 72:2 73:14 74:1 75:9,13,25 78:22 79:4 80:10 81:6 97:4 98:25 101:4 stewardship 12:18 stimulating 75:15 stop 78:1 storage 4:3,6 12:19,20 27:15 48:21 51:21 58:20,25 69:1,5 70:11 89:11 store 70:10 stored 68:25 98:14 storing 13:9 straightforward 26:16 strategic 3:22 stress 33:1 35:20 36:6,13 37:16 39:23 strides 52:4 54:2 67:21
---	--	---	--

[striking - technology]

striking 47:12 strong 12:16 51:16,20,23 structural 29:22 30:12 structure 61:24 77:8 structures 13:9 studies 19:17 37:14 62:12 subject 87:7,19 submit 7:10 11:2,6 79:12 submitted 11:3 subscribed 102:21 substances 15:3 15:6 substantial 77:2 substitute 66:22,24 success 49:7 successful 61:13 successfully 42:11 89:10 suited 59:20 summary 32:19 summer 32:4 32:13 superintendent 3:9	supervisor 3:10 3:18 supervisors 22:1 support 4:11 9:5 23:20 24:19 26:21 30:4 46:11 50:15,18 62:22 68:17 91:15 92:1 98:1 supporting 13:10 24:24 74:10 78:19 supportive 74:14 supposed 83:12 suppression 13:21 76:19 sure 14:21 15:17 35:3 55:14 59:8 66:23 69:9 73:11 87:20 92:24 96:18 100:19,22 101:2 surface 31:25 32:24 37:6 39:12,16 90:12 90:14,19 91:3 92:11,13,14 surfaces 26:12 89:6	surgical 57:6 surprised 50:7 surveys 95:22 96:10 suspended 78:7 sustainable 98:3 system 77:18 83:4 94:4 systems 23:14 89:4,12 t t1 92:11 table 77:7 take 8:23 9:24 33:14 51:6 73:17 81:25 85:20 87:1 98:19 takeaways 26:15 taken 9:23 29:25 80:9 102:8 takes 85:22,22 talk 45:2 50:2 52:7 75:21 talked 39:4 86:4 talking 16:9 46:20 84:24 tangible 52:1 73:8	tank 30:6 85:9 86:9,11,16 target 35:19,19 64:12 targets 57:23 task 30:15 tax 54:14 taylor 3:15 27:1,4,5,7,12 28:1 38:25 39:20 40:15,25 41:3,7 72:3,4 73:12 team 7:4 10:18 37:18 44:3 87:18 91:13 95:21 teams 1:6 2:11 6:1 7:13 12:22 81:18 technical 4:11 82:6,7,16 92:8 technologies 22:20 24:20 25:11 29:20 30:11,24 31:14 32:2,3 88:24 89:11 92:18 technology 9:14 30:1,8,10 30:20 31:6,13 31:17,20 32:16 33:17,24 39:15 41:24 42:20
--	--	--	---

[technology - tides]

<p>47:15 93:9,12 ted 3:14 10:11 35:2,4,6,6,9,11 35:15 36:3,18 55:13,14,18,19 57:25 58:4 ted's 36:21 tell 31:19,19 35:3 55:25 68:13 72:23 temperatures 40:7 tennessee 51:5 51:13 74:20 92:19 tentatively 100:3 tenure 10:15 term 55:9 56:20 57:11,13 57:14,15 59:21 61:2 75:2 99:24 terms 21:24 39:5 86:25 test 21:3 25:9 25:10 33:18,20 34:13 39:21 40:1,2,3,5,23 42:15,23 90:5 90:10,15,25 91:2 testament 59:15</p>	<p>testifying 55:6 testing 21:4 24:19 32:4,12 35:16,17 38:4 40:21 41:24 43:21 90:2 99:5 texas 55:25 text 29:5,12 thank 6:4 7:23 9:2,10 10:21 12:9 16:19,21 17:1,6,10 19:6 19:7 20:20 21:11 27:7 28:2,3,4,10,12 28:19,21 34:21 36:20 37:3,21 38:22 39:2,18 39:20 42:12,13 43:5 44:4,5,16 44:23 54:22,23 56:21 57:25 58:2,2,4 61:5,6 61:9,11 63:15 65:23,24 68:10 69:25 70:4 71:25 72:4 73:12 74:1 75:7,8,16,19,20 75:23 76:9 78:22,22 84:11 84:12 89:14,16 89:17 91:8,8</p>	<p>94:8,8,21,23 95:6 96:23,25 97:4,5,13,17,17 97:22,25 98:9 98:25 99:3,8 100:13 101:7 thankful 22:4 43:23,24 44:4 thanking 9:4 thanks 9:10 10:6,7 14:7 15:20 16:10 17:13 21:9 22:1 41:7 68:12 79:5 88:20 90:8 99:10 101:3,5 thereof 102:14 thermal 40:6 thing 40:8 67:16 things 11:22 19:11 38:11 43:15 50:1 54:10 57:12,14 58:22 60:18,23 62:21 65:4,8,14 65:16 68:3 70:14 think 10:7,9,11 16:24 18:11 20:1,14 21:11 21:22,23 28:8 28:11 33:20</p>	<p>36:2 41:9 42:25 44:2,25 52:2,3 53:15 54:21 55:11 56:7,19,23 58:8 58:10 59:18 60:9 61:17 62:17 63:10 64:25 67:2,7 68:7,15 69:10 72:8 73:4 74:22 75:11 80:25 84:15,21 85:14 88:23 89:3 92:15,18 96:21 99:6,12 100:10,21 third 7:5 10:14 21:15 83:3,13 thought 28:11 45:15 64:15 thoughtful 97:24 thoughts 34:3 57:5 63:20 three 12:11 13:8 23:8 25:15 48:11 64:4,13,15,16 73:19,22 79:18 thursday 2:11 6:1 tides 20:5</p>
--	--	--	---

[time - u.s.]

time 6:9,10 7:21 9:23 10:10,13 24:18 31:23 43:14 45:1 50:13 52:20 53:24 54:22 58:9 60:12 62:3 65:2 66:1 72:8 73:10 84:19 98:18,18 102:9 timeline 32:5 50:3 timeliness 65:6 timer 79:19 times 62:24 86:4 timing 54:9 tn 94:4 today 6:12,15 7:22 12:22 13:12 22:2 23:9 29:4 45:2 71:6 76:18 97:19,23 today's 6:8 7:9 together 23:20 44:2 told 66:1,5 tonight 9:7 17:10 took 14:19 31:3 tool 25:7	tools 35:23 93:9 93:12 top 11:11 12:12 22:6 topic 10:2 45:2 53:21 topics 6:15,20 6:22 7:1 8:9 9:25 12:3 22:7 22:9 23:9 80:1 80:3 total 78:7 tour 13:5 98:21 tours 9:9 13:2,4 towards 33:13 42:8 66:10 toxic 15:3,6 track 12:4 13:25 14:1 tracks 19:12 train 74:5 trains 57:4 transcribed 102:12 transcript 1:8 2:10 102:17 transcription 102:14 transducers 31:10 transition 52:11 101:5 transitioning 45:9	transparency 13:1 transparent 65:2 73:3 83:25 99:22 transport 73:21 95:17 transportation 4:7 12:24 19:21 20:9 69:21 transports 71:14 treatment 13:15,16 77:19 tremendous 56:4 74:20,21 tribal 49:15 tribes 48:16 49:3,16 tried 56:14,14 triggering 68:13 tritium 7:19 76:25 77:22 trust 83:1,16 trustee 3:2 trusting 10:20 try 32:1 60:25 trying 25:4 29:18 42:7 60:5,20 67:18 70:4,6	tunnels 46:21 turn 7:3 8:25 10:4 12:8 26:23 27:21 44:10 76:10 78:21 79:18 81:4 97:3,15 98:24 turning 60:15 twice 59:14 two 6:14,20,22 8:7 9:13 11:21 12:14 13:13 22:9 23:20 25:16 32:2,3,5 32:8,14,15 38:20 51:17 55:8 56:7 61:11 62:21 63:4 64:4 70:14 73:16 81:2 82:23 93:19 type 14:18 31:16 34:5 42:20 85:23 89:9 types 65:21 67:4
u			
u.s. 1:3 2:3 4:7 4:10 6:12 9:19 21:18 29:20			

[u.s. - victor]

30:3,23 33:21 36:14 40:3 46:2 68:21 ultimate 64:3 ultimately 48:8 52:23 54:11 63:6 unacceptable 82:8 unchanged 19:5 under 7:8 11:11 23:16 27:20 30:24,25 32:4 83:19,20 91:23 102:12 underground 46:21 undersigned 102:5 understand 17:22,23 18:3 28:15 40:6 42:2 75:25 76:15 92:16 102:19 understanding 10:8 52:9 70:5 unexpected 15:14 unified 70:12 unique 34:13 73:8	unit 77:5 95:14 united 98:4 universities 31:4 university 30:24 88:7 unmute 39:1 55:13 94:17 unmuted 81:8 81:11 unrevealed 83:2 unwavering 48:15 49:14 update 6:13,23 8:22 9:21 12:8 13:12 14:4 19:13,16 44:10 44:12 54:24 68:13 76:12 97:25 98:1,10 100:4,7 updated 47:14 updates 1:4 2:4 8:8 12:21 17:3 17:17 18:10 21:24 75:22 98:16 upfront 61:14 uranium 59:23 66:3 uribe 4:8 8:16 44:11,16,22 45:5 56:21	58:2 59:7 61:8 61:16 62:11 64:6,21 65:15 66:16 68:23 69:2 70:14 72:11 74:17 75:6,8,20 use 11:10,19,22 11:24 23:12,12 29:3 30:19 32:17 34:5 40:1 46:24 76:20 85:23 86:9 87:24 used 1:3 2:3 6:13 8:14 22:7 22:11,21 29:23 29:23 30:13,13 32:10 34:1,14 37:5 41:25 42:3,4,5,10 47:13 48:11 49:22 53:5 62:17 85:3,3 89:10 95:11,13 99:17 useful 25:7 33:21 34:18 using 7:6 14:14 26:13 33:3 39:9 41:15,24 69:20,21 87:21 90:12 102:11	usual 6:9 utah 51:4,22 69:16,18,20 95:18
			v
			vague 84:23 validation 37:11 valuable 47:4 63:5 97:24 100:21 value 23:5 27:10 46:11 55:9 58:16,16 99:24 variety 87:10 various 22:19 87:6 vehicle 60:21 vendor 83:3,4 verbatim 102:10 vernon 3:16 vessels 18:17 vetted 68:18 vibrations 39:11 90:18 vice 3:4,21 8:3 17:13 victor 3:4 17:14 19:8,15 20:21 20:25 21:9,22 35:4 37:2,23,24

[victor - whereof]

37:25 38:21 41:22,23 43:6 44:20 58:5,6 61:5,9 70:1,3 71:25 100:16 100:18 101:3 video 2:10 videos 98:18,18 view 24:22 vincent 21:20 virginia 88:7 virtual 6:8 44:18 vision 46:7 50:25 59:21 visit 98:22 101:2 visitor 60:18 visual 89:5 vital 17:8 voc 15:21 16:3 vocs 15:23 volatile 14:23 15:23 16:3,7 volume 47:8 66:24 78:3 85:8 86:15 volumes 86:8 volunteer 6:6 volunteers 17:5	wait 64:15 69:11 waiting 26:23 35:1 63:22 walking 16:1 98:21 walkway 7:18 wall 77:6 78:1 want 14:8 16:21 17:18 21:13,25 24:4 25:1 29:16 34:2 44:3 47:19 48:14 50:16 51:6 52:2,19 54:7 55:21 56:22 57:9 60:1 64:9 66:25 67:1,5 68:17 70:24 72:21 73:11 75:16,17 81:18 90:15,16 93:14 96:17 97:7,13 97:22 99:8,9 100:12,13,19 101:7 wanted 35:16 35:18 38:1 69:8 71:3 100:22 wants 70:9,10 70:10	warm 20:6 warranted 26:9 26:9 washington 43:10 waste 4:6,9 12:23 15:12 28:25 29:7 30:6 46:13,16 47:8,12,18 49:23 53:5 60:7 66:8,15 69:20 94:16 95:5 99:18 watchdog's 93:11 watchdogs 82:4 water 13:16,18 13:21 20:6,7 76:12,17,18,18 77:7,10,15 78:5 78:9,12,14,17 80:7 84:25 86:10,15,16,17 86:18 96:3 wave 31:10 way 18:13 44:18 45:4 48:22 49:1,11 49:11,16 54:2 62:14 63:8 64:22 91:4 101:4	ways 29:18 37:15 we've 10:8 12:13,14 19:25 48:2,18 49:7 52:5 55:12 61:22 66:1,4,9 67:11 73:15 86:3 88:1,4,5 95:11,12 weather 20:6 web 7:9 100:9 webinar 21:15 webpage 11:5 12:2 website 6:19 13:3 86:12 88:10 98:21 week 6:19 72:13 weeks 32:13,14 38:19 welcome 6:3 10:1 76:8 101:2 welds 89:6 went 23:23 56:8 64:22 85:14 whatsoever 82:20 wheel 47:22 whereof 102:20
w			
w 94:13			

[whitley - zone]

whitley 3:12 widely 23:14 wife 10:7 willing 64:2 99:17 win 72:13 winner 38:13 wish 7:5 11:25 20:23,23,25 80:13 withstood 43:23 witness 102:16 102:20 words 56:22 work 7:17 12:10 13:7,18 14:10,10,15 18:14,15 20:16 31:8 38:13 48:23 49:9 78:2 85:17 87:3,6,7 92:8 98:19 worked 10:15 worker 14:22 95:18 workers 14:21 14:25 15:17 18:25 19:3 workforce 60:13 working 10:20 19:19 20:8	31:16 36:16 38:17 41:14,18 48:21 54:20 56:24 70:11 works 20:14 38:21 39:15 42:12 workshops 55:4 worry 17:21 wright 51:3 write 74:11,15 writing 75:4 written 11:7 80:22 wrong 37:1 69:15 73:7 www.songsc... 98:22 www.songsc... 86:7	42:10,21 54:21 55:19 58:6 63:17,17 64:6 68:12,23 69:17 70:3 72:4 73:16 75:20,23 84:21 88:20 89:16 90:7 91:19,19,21 92:17,24 93:18 93:18 101:1 year 12:15 13:14 20:3,4 23:23 24:16 32:8 34:16 40:24 42:24 43:2,3,10 59:12 73:25 77:1 83:20 years 9:9 31:3 42:24 45:7 47:15 48:3 60:7,15 61:25 62:13 73:20,23 90:11 yep 89:20 yesterday 55:25 56:14 85:14 yucca 56:17 57:15	z z 65:19 zero 12:13 14:24 16:22 zone 6:10
	x		
	x 65:19		
	y		
	y 65:19 yard 14:12 95:17 yeah 18:5 20:25 21:2,2 27:2 28:17,23 35:2,4 35:6 36:8,16,21 38:10 39:8 41:6,19,23 42:2		