

Official Transcript of Proceedings
NUCLEAR REGULATORY COMMISSION

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License Renewal Environmental Scoping
Public Meeting, Afternoon Session

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1 UNITED STATES OF AMERICA

2 NUCLEAR REGULATORY COMMISSION

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4 PUBLIC HEARING

5 TO RECEIVE COMMENTS ON SCOPE OF LICENSE

6 DIABLO CANYON NUCLEAR POWER PLANT

7 + + + + +

8 Wednesday,

9 March 3, 2010

10 + + + + +

11 The hearing convened in the Embassy
12 Suites, 333 Madonna Road San Luis Obispo, California
13 at 1:30 p.m.

14 PRESENT:

15 CHIP CAMERON, Facilitator

16 MICHAEL FULLER, Co-Facilitator

17 ELIOT BRENNER, Director, Office of Public Affairs

18 BECKY SCHMIDT, Director, Office of Congressional

19 Affairs

20 TROY PRUETT, Deputy Director, Division of Reactor

21 Safety, Region IV

22 VICTOR DRICKS, Senior public affairs officer,

23 Region IV

24 LARA USELDING, Public office Officer, Region IV

25 AGNES CHEN, Region IV

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PRESENT: (Cont'd)

MICHAEL PECK, Senior resident inspector, Diablo Canyon

TONY BROWN, Resident inspector, Diablo Canyon

DREW STUYVENBERG, Project manager, Division of License

Renewal

KIM GREEN, Project Manager, Division of License

Renewal

DAVE WRONA, Branch chief, Division of License Renewal

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P R O C E E D I N G S

(1:30 p.m.)

1
2
3 MR. CAMERON: I'd like to welcome you to
4 today's meeting and our topic this afternoon is the
5 Nuclear Regulatory Commission, the NRC's,
6 environmental review of Pacific Gas & Electric's
7 application to renew the license for the Diablo Canyon
8 Nuclear Power Plant.

9 And my name is Chip Cameron. I'm with the
10 Executive Director for Operations at the Nuclear
11 Regulatory Commission and it's my pleasure to serve as
12 your facilitator today, and in that role, I'm going to
13 try to help you all to have a productive meeting
14 today.

15 I'm going to be assisted by Mike Fuller
16 from the NRC staff. He's part of the NRC's
17 facilitator training program. So he's helping me out
18 today.

19 I just wanted to go over a few things on
20 meeting process, so that you'll know what to expect
21 this afternoon. I'd like to talk to you about the
22 format for the meeting, some simple ground rules to
23 help us have a good meeting today, and to introduce
24 the NRC staff that's with us today.

25 In terms of the format for the meeting,

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1 it's going to be a two-part meeting. The first part
2 is to provide you with information on the NRC's
3 environmental review of this application and how you
4 can participate in that review.

5 And we're going to have Drew Stuyvenberg,
6 right here, from the NRC staff. He's the project
7 manager for the environmental review and he's going to
8 do that presentation for you. It will be brief and to
9 the point.

10 And after Drew's presentation, we're going
11 to have some time for some questions on the NRC
12 process for you, and from there, we're going to move
13 on to the second part of the meeting.

14 And this is an opportunity for the NRC staff to listen
15 to you, your comments, your recommendations on what
16 the NRC should look at when it does its environmental
17 review of this license application.

18 And we're taking written comments, and
19 Drew will tell you about how and when to submit those.

20 But I just want to assure you that any comments we
21 hear today from you will carry as much weight as a
22 written comment, and you may hear something today from
23 other members of the audience, or the NRC staff, that
24 prompts you to file, submit a written comment, or you
25 may want to elaborate on any of the oral comments that

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1 you give us today.

2 So if you want to speak today, please fill
3 out a yellow card. I think most people have already
4 done that. And that just gives us an idea of how many
5 people we have to speak. That helps us to manage the
6 meeting. And if you decide you want to--haven't--if
7 you haven't filled out a yellow card and you decide
8 that you want to speak during the meeting, then please
9 fill out a card and we'll put you into the lineup, so
10 to speak.

11 And I'll ask you to come up here to the
12 podium to talk to us.

13 Ground rules. First of all, please wait
14 till Drew is finished with his presentation before you
15 ask any questions, and if you have a question, please
16 signal me. I'll bring you this cordless microphone
17 and ask you to introduce yourselves to us, and then
18 we'll try to answer your question.

19 And a lot of times questions can morph
20 into comments, and I would just ask you to try to keep
21 it to a question, and make your comments during the
22 comment part of the meeting.

23 And if we can't get to all your questions
24 before we have to go to comment, you can talk to the
25 NRC staff who are here. I'll introduce them to you

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1 after the meeting and they'll be glad to try to answer
2 any questions that you have.

3 The second ground rule is I would ask that
4 only one person speak at a time.

5 Most importantly, so we can give our full
6 attention to whomever has the floor at the moment, but
7 also so that we can get what I call a clean
8 transcript. We have Pam Hollinger right here, and Pam
9 is our court reporter. She's taking a transcript of
10 this meeting and that will be your record and our
11 record of what transpired today.

12 And a third ground rule is, I would just
13 ask you to be brief in your comments, so that we can
14 hear from everybody who wants to talk this afternoon,
15 and we have quite a few signed up.

16 I'm asking you to follow a 3- to 5-minute
17 guideline for your presentations, and I'll let you
18 know when it's about time to sum up. That's usually
19 enough time to summarize your major points and it also
20 alerts the NRC staff to the issues that people have,
21 and they may come over and talk to you after the
22 meeting about some of the things that you said, to get
23 more information.

24 I apologize to all of you, in advance, if
25 I have to ask you to stop talking before your time is

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1 up, because I know you spend valuable time preparing
2 your comments for meetings like this.

3 You can amplify through a written comment
4 for us, and I think there's some forms that we have
5 out by the desk, where you can actually write your
6 comments on those forms and leave them with us today.

7 Please note that the NRC staff is here to
8 listen carefully to your comments. They're not going
9 to be responding to your comments after your
10 presentations.

11 They're going to be taking those back to
12 Washington, and to Region IV, to carefully consider
13 them, and they're going to address those in what's
14 called a Scoping Report.

15 And they also won't be answering questions
16 that you might ask from the podium. But as with the
17 comments, they will note those and address those in
18 the Scoping Report.

19 The final ground rule is please extend
20 courtesy to everybody, and obviously that goes for the
21 NRC as well as everybody else, but you may hear
22 opinions today that differ from your own, and just
23 please respect the person who's giving that opinion.

24 And I would just thank all of you. This
25 meeting is just one data point, one point in time.

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1 The NRC staff is going to be giving you some contact
2 information for them, e-mail, phone numbers. If you
3 have a question or concern, please call or e-mail
4 them. Send in, so that we can maintain a relationship
5 with you throughout this renewal process, this review
6 process.

7 And I introduced Drew, who's going to talk
8 to you. I wanted to identify the other NRC staff that
9 are here, and we not only have staff from headquarters
10 but we have staff from our Region IV office in
11 Arlington, Texas, and this plant is in that region.

12 We have Eliot Brenner, who's right here,
13 and Eliot is the director of our Office of Public
14 Affairs in Washington, D.C.

15 We also have Becky Schmidt, and Becky's
16 the director of the Office of Congressional Affairs at
17 headquarters.

18 Troy Pruett is from our Region IV office
19 and he's the deputy director of the Reactor Safety
20 Division. Is that correct?

21 MR. PRUETT: That's correct.

22 MR. CAMERON: Okay. Reactor Safety
23 Division.

24 We also have Victor Dricks. Is Victor--
25 Victor's right back there, and Victor's our senior

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1 public affairs officer in Region IV.

2 And we also have Lara Uselding, who has
3 just joined the NRC staff. She's a public affairs
4 officer in Region IV.

5 And we have Agnes Chen, who's helping us
6 with administrative details, from Region IV.

7 We also have our two residents who are at
8 the plant. These are the, as we often call them, the
9 "eyes and ears" of the NRC at reactor sites, and we
10 have the senior resident, who's Michael Peck, right
11 here, and we also have Tony Brown, right here,
12 resident at Diablo Canyon.

13 We have the license renewal team. Besides
14 Drew, we have the branch chief of the Renewal Projects
15 Branch here. This is Dave Wrona. And we have Kim
16 Green. Where is Kim? Kim is right back there. Kim
17 is a project manager for the safety side of the
18 review, and I think Drew is going to tell you about
19 the different aspects of the license renewal
20 evaluation that the NRC conducts.

21 Darlene Fenton is here from our Office of
22 Administration, and Mike Fuller, here, who I
23 introduced, who's a project manager in our Materials
24 Office.

25 Did I miss anybody?

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1 MS. EVERED: Can you ask those who are not
2 employed by the PG&E, or anything, to stand up, so we
3 can all see who's here for the meeting.

4 MR. CAMERON: Well, I just introduced the
5 NRC staff, so if you need to be directed to a PG&E
6 person, to talk to, we'll find out who that is and
7 direct you to them.

8 MS. EVERED: Well, I'd like to know how
9 many --

10 MR. CAMERON: I don't know, and you're not
11 on the transcript, and the question is how many PG&E
12 staff are here. Well, I'm not going to conduct a poll
13 on that. I'm sorry. And we're going to get on to our
14 presentations and then we're going to go to you for
15 questions.

16 And we'll come back to you, Ms. Evered.
17 Thank you.

18 So Drew, are you ready?

19 MR. STUYVENBERG: Yes.

20 MR. CAMERON: Okay.

21 MR. STUYVENBERG: All right. Good
22 afternoon. So I wanted to start off today by briefly
23 explaining what environmental scoping is as it
24 pertains to today's meeting. In short, we're here
25 today because we want your input on environmental

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1 issues that we ought to consider in our review of the
2 proposed license renewal for Diablo Canyon Power
3 Plant.

4 There are two major pieces to this
5 process. One is that we are looking for your input on
6 the potential environmental impacts from the continued
7 operation of Diablo Canyon.

8 In short, what would happen to the local
9 environment if the two units are granted an additional
10 20 years of operation?

11 The second is that we're looking for your
12 input on the potential alternatives to license
13 renewal. We want your input on what other options to
14 generate electricity, or address electrical demand,
15 that NRC ought to consider in its analysis.

16 We're also interested in gathering
17 information about the environmental impacts of those
18 alternatives.

19 Now with that as preface, I'll begin my
20 formal presentation.

21 The purpose of today's meeting is for the
22 NRC staff to receive input from you all on
23 environmental issues in license renewal. We'll
24 generally be in a listening mode today. We'll have a
25 brief question-and-answer session to address any

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1 questions you have on our process, and then we will
2 begin the formal comment period.

3 All comments that you present will be
4 formally transcribed for alter consideration and
5 response by NRC staff as we continue the environmental
6 review.

7 If you filled out a blue or yellow card
8 with your contact information, then you will receive a
9 compilation of all the comments that NRC receives, as
10 well as the NRC staff's responses to these comments.

11 We plan to publish that compilation prior
12 to the time that we publish the draft Environmental
13 Impact Statement.

14 Also, as you look around, you may have
15 noticed the video crew here. This meeting will be
16 recorded and rebroadcast on SLO-Span for the next 30
17 days.

18 As we discussed at our February 9th public
19 information meeting, license renewal involves two
20 parallel reviews. One review track is a safety review
21 that focuses on managing the effects of aging on the
22 power plant.

23 The other is an environmental review track
24 in which we address the potential environmental
25 effects of license renewal and possible alternatives.

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1 As you can see, I will be focusing on the
2 environmental review today, which constitutes the
3 bottom path on this diagram.

4 In the course of the environmental review,
5 the NRC staff consults with local, state, federal and
6 tribal officials. We also request input from the
7 general public and interested groups. Part of that
8 process is today's public meeting to receive your
9 input.

10 You may also notice the box in this
11 diagram that refers to the NRC's adjudicatory hearing
12 process. That is another opportunity for the public,
13 groups, and governments to use to formally raise
14 issues related either to the safety or environmental
15 reviews. We have instructions on how to use that
16 process on the table in the hallway.

17 NRC's regulations implementing the
18 National Environmental Policy Act, often referred to
19 as NEPA, require that we prepare an Environmental
20 Impact Statement to document our environmental review.

21 In our Environmental Impact Statement,
22 we'll compare the likely environmental impacts of
23 license renewal to the potential impacts of
24 alternatives to license renewal. These alternatives
25 include other means of generating electricity or

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1 dealing with electrical loads, other than the existing
2 power plant. These can include, for example, fossil-
3 fueled generation, renewable generation, or other
4 means of addressing electrical demand.

5 Input from the public and agencies in the
6 scoping process can affect how the NRC considers
7 environmental issues and alternatives during the
8 course of the license renewal review.

9 We evaluate a wide range of issues in our
10 Environmental Impact Statement. This slide includes
11 issues for which we require site-specific evaluations
12 in our license renewal Environmental Impact Statement.

13 As you can see, this includes a number of
14 issues that are of concern in this area. I'll mention
15 two of these, in particular.

16 The first, at the top of this list, is the
17 impacts from the facility's once-through cooling
18 system. NRC staff will evaluate the impacts from
19 continued operation of the cooling system on aquatic
20 life.

21 Specifically, we look at how the cooling
22 system affects aquatic life through impingement, or
23 what happens when organisms are trapped against the
24 plant's intakes, entrainment, or what happens when
25 aquatic organisms are pulled through the plant, and

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1 finally, we'll look at thermal effects from the
2 plant's heated discharges.

3 The second item, I'll specifically point
4 out, is severe accident mitigation alternatives. This
5 analysis is the one area of the license renewal
6 Environmental Impact Statement where seismic issues
7 can play a role, and we know that seismic issues have
8 been a visible concern lately.

9 Now as most of you know, we deal with
10 seismic issues as they arise, as part of our ongoing
11 oversight. That is, we don't wait for license renewal
12 to address them.

13 For this plant, that means we continue to
14 monitor and respond to new seismic information. That
15 said, in considering severe accident mitigation
16 alternatives in the Environmental Impact Statement, an
17 assessment of seismic risk is an input to determining
18 whether any of the proposed mitigation alternatives
19 will be cost-effective.

20 I apologize. I think we've gotten off on
21 the slides here. One moment.

22 All right. My apologies. I think I'm
23 going to have to continue with the presentation. The
24 slide show in your handouts should be complete.

25 All right. Okay. One moment.

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1 The range of issues that we examine in our
2 license renewal review process also includes those
3 issues for which we have reached a generic
4 determination, as documented in our generic
5 Environmental Impact Statement for license renewal.

6 In this scoping process, we're looking for
7 any new and potentially significant information that
8 may challenge our generic determinations.

9 One of these areas that is of substantial
10 local interest is the issue of waste management for
11 the facility during the proposed license renewal
12 period.

13 In the course of the environmental review,
14 we will look for scoping comments that may challenge
15 the determination on this topic that the staff reached
16 in the generic Environmental Impact Statement.

17 If you are interested in reviewing that
18 document, the generic Environmental Impact Statement,
19 we have several reference copies on the table in the
20 hallway.

21 As I mentioned at the beginning of this
22 presentation, we are not only looking for information
23 on the impacts that may result from the continued
24 operation of Diablo Canyon, we will also look at
25 potential alternatives to continued Diablo Canyon

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1 operation, and the impacts that could result from
2 relying on those alternatives.

3 In this case, alternatives are other means
4 of generating electricity or dealing with electrical
5 load. We've already heard that considering an array
6 of energy alternatives is an important issue in this
7 area.

8 While we'll be evaluating a wide variety
9 of environmental impacts from license renewal, and
10 possible alternatives during our environmental review,
11 I wanted to point out that there are several of the
12 issues that we'll be evaluating in areas in which the
13 State of California has ultimate jurisdiction.

14 For example, when it comes to actually
15 planning for energy demand and dealing with approving
16 or denying means of generating electricity, the State
17 Energy Commission and Utilities Commission,
18 respectively, have authority.

19 We've already been in touch with staff
20 from both organizations as part of this review, and
21 several staff from the Energy Commission are currently
22 in attendance today. The Utilities Commission, in
23 addition, also holds authority over electrical rates.

24 While NRC staff will consider issues
25 related to water use and quality, the state's water

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1 control boards exercise permitting authority over
2 these matters. In addition, the Coastal Commission
3 specifically addresses coastal land use, and the Air
4 Resources Board addresses air quality and air
5 permitting.

6 NRC's evaluations of environmental issues
7 relating to these matters do not preempt any decisions
8 made by these state-level authorities. NRC does,
9 however, have primary oversight for plant safety and
10 the plant's operating licenses.

11 We want to make sure that you know that
12 there are a number of ways you can submit scoping
13 comments to us, and that you're not limited to
14 providing spoken comments during today's meeting.

15 If you have a written statement, or
16 written comments, that you'd like to provide to any
17 NRC staff person, you may do that today. If you come
18 up with additional comments after today's meeting, you
19 may also submit them via e-mail or U.S. mail, and
20 we'll provide those addresses at the end of this
21 presentation.

22 We will handle all of your comments in the
23 same manner, and afford them the same consideration,
24 whether you've submitted them in person, in hard copy,
25 or electronically. We will continue to accept

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1 comments on the environmental review through April 12
2 of this year.

3 As I mentioned earlier in this
4 presentation, anyone who provides contact information
5 on either a blue or yellow card will be added to the
6 mailing list to receive the compilation of all
7 comments that NRC staff receives, as well as the staff
8 responses to those comments.

9 Today's meetings are part of a broader
10 environmental review for the proposed license renewal
11 of Diablo Canyon.

12 Later this year, we plan to return to the
13 power plant site for an on-site audit. After
14 reviewing the information we gather from scoping, from
15 that on-site audit, and from any information requests
16 we make of PG&E, we plan to publish our draft
17 Environmental Impact Statement in October of 2010.

18 We then plan to hold an additional set of
19 meetings, similar in format to this meeting, in this
20 area, in December of this year.

21 Many of you may be mindful that we've
22 received several requests to delay the license renewal
23 review until PG&E completes certain studies for the
24 state.

25 We are currently reviewing those requests.

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1 We plan to have a decision in response to those
2 requests by the end of this month. Until that time,
3 we'll proceed with the review, as scheduled.

4 While it's not listed here on the
5 schedule, I wanted to let you know that NRC staff will
6 return to this area as part of ongoing safety
7 oversight, in six to eight weeks, for the end-of-cycle
8 meeting. This meeting will provide an opportunity for
9 questions and answers, as well as extensive
10 interaction with staff.

11 We'll issue a press release and take out
12 ads in local papers, prior to that meeting. If,
13 during the course of this meeting, you wish to review
14 the environmental information that PG&E submitted to
15 the NRC as part of its license renewal application, or
16 to review NRC guidance or background documents on
17 impacts of license renewal, we have hard copies of
18 those available for your review out in the lobby, as
19 well as copies on CD that you may take with you.

20 In addition, copies of the license renewal
21 application are available for your review at local
22 libraries in San Luis Obispo and in Paso Robles. You
23 can also link to them through the NRC website.

24 If reviewing any of these documents
25 triggers additional comments, you may submit them

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1 through April 12th.

2 As I mentioned earlier, you may submit
3 additional comments through a variety of means. I
4 will leave this slide up for you during the remainder
5 of the meeting.

6 With that, I will conclude my presentation
7 for this meeting session, and you'll note that there
8 are a few remaining slides in your packets. Those
9 contain contact information for me, for Kim Green, and
10 also some additional information on how to petition
11 the NRC for an adjudicatory hearing.

12 With that, I'm going to turn the meeting
13 back over to Chip. Thank you.

14 MR. CAMERON: Okay. Thank you very much,
15 Drew. We have some time for questions about the NRC
16 process. Judy, did you have a question from before,
17 that you wanted to ask?

18 MS. EVERED: Well, I'm wondering about the
19 five minute talk versus the questions. But are the
20 questions asked for now? Are they?

21 MR. CAMERON: Yes; yes. This is the
22 appropriate time for questions, and we're going to
23 limit them to questions about the NRC review process,
24 to make sure that everybody understands what's going
25 on with that.

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1 If we have questions, other types of
2 questions, we're going to have the NRC staff talk to
3 you after that. So you had a question?

4 MS. EVERED: Well, yes. Well, I'm very
5 grateful for this opportunity for the community to
6 make an input, and I'm grateful for the way this is
7 organized.

8 My questions would be what are the
9 testings being done on the ocean these days, because
10 as you originally got your permit from the Water
11 Board, the State Water Board, there were many poisons
12 that were going to be accumulating in the ocean, like
13 mercury and cadmium and arsenic, and so on, and these
14 are very worrying as they build up, and I'm wondering
15 what testing you'll be doing, or will do.

16 MR. CAMERON: Okay. This is Judy Evered
17 who asked that question, and this is a matter for the
18 state agencies who do that.

19 Drew, do we have a quick answer for the
20 types, the agencies who might who might be doing that,
21 or should we talk to Judy after the meeting?

22 MR. STUYVENBERG: [off-mike]

23 MR. CAMERON: Yes, please. If we have
24 that other mike, I think we'll bring it up to you.

25 MR. STUYVENBERG: I would actually offer a

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1 couple of things to Judy. First of all, I think
2 actually stating the concern about what kinds of items
3 might be added to the ocean is actually a good scoping
4 comment, and I'd say if, you know, when you have a
5 chance to, for your three to five minutes--we've
6 already got it on the record, but if there's anything
7 you'd like to elaborate on, please mention it. So,
8 you know, it's something we can look at, how we'd
9 consider it in our review. I would say, in general,
10 in regards to the amounts of those things that are
11 discharged, allowed to be discharged by the plant,
12 that's generally a matter that is under state control,
13 under the pollution discharge elimination system
14 permit.

15 So in terms of oversight, it's state level
16 oversight, but if there's something that is of
17 particular concern, we'll see how it may fit into our
18 environmental review process.

19 MR. CAMERON: Okay. Thank you. And Drew
20 made a good point. There may be questions that you
21 have, that really imply a comment, and we will make
22 that, we will record that as a comment also. So thank
23 you, Judy.

24 Yes, sir?

25 MR. JACK: Let me ask: is there some place

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1 that I can get hold of a copy of an outline for your
2 planned EIR?

3 MR. STUYVENBERG: You mean in terms of
4 what the--

5 MR. JACK: Yes. In other words, what are
6 you're currently planning to look at?

7 MR. STUYVENBERG: Actually, what I could
8 use, I could show you the generic electricity
9 statement we have in the hallway, and it lays out some
10 of the issues that we have to address. There are some
11 parts of the formatting for that that are mirrored in
12 some of the site-specific impact statements.

13 Other than that, I can also direct you to
14 some spots on our Web site where we have other site-
15 specific Environmental Impact Statements for other
16 plants. We can take a look at those, to see
17 specifically what something like this is likely to
18 look like.

19 MR. JACK: My point in the question was,
20 if you're already going to address certain issues,
21 there's no point in redundancy, and asking you to do
22 that. So that by having that information, then we can
23 be more selective in the requests that we make. Thank
24 you.

25 MR. CAMERON: And your name, sir?

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1 MR. JACK: Sandy Jack.

2 MR. CAMERON: Sandy Jack. Thank you,
3 Sandy. Let's go to Barbara and then we'll go to this
4 gentleman back there. Barbara.

5 MS. BYRON: I was just wondering when the
6 NRC expects to put out the Scoping Report?

7 MR. STUYVENBERG: The Scoping Report will
8 be out some time before the Environmental Impact
9 Statement. So it will depend on how lengthy the
10 scoping comment is. I anticipate, at this point, that
11 we're going to have a relatively large volume of
12 scoping comment. So I would expect it some time early
13 this coming fall, but I don't have a specific date for
14 that. Staff will certainly be looking through that as
15 they start their review, though.

16 MR. CAMERON: That was Barbara Byron from
17 the California Energy Commission.

18 Yes, sir. Please introduce yourself to
19 us.

20 MR. BOYSON: Yes. My name is Joe Boyson
21 and I live in Sunset Palisades, and have for almost 22
22 years.

23 My question is about these environmental
24 review milestones, a procedural question, and I am
25 curious, and I hope you can amplify. It says here the

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1 application was received November 24th of 2009, and it
2 moved quite rapidly. There was a public information
3 meeting on February 9th, and this, two sessions today,
4 this afternoon and this evening, March 3rd--it's my
5 understanding that this is the final meeting. It's
6 kind of a "speak now or forever hold your peace"
7 situation, such that a little over three months have
8 passed. That's my definite impression, because I have
9 been aware that this business about applying for a
10 hearing--and I think it's called an adjudicatory
11 hearing--and that deadline is March 22nd, and my
12 impression is that this is a front-loaded process, and
13 our chances to--we're the customers and the sovereign
14 people, and so forth, and our chances to impact it are
15 sharply controlled, and I'm wondering if that's true,
16 because I'm seeing here scoping comments, you know,
17 that date, and then I'm seeing this Environmental
18 Impact Statement, which I understood that that generic
19 one was something provided by PG&E, by the way.

20 And I thought that maybe your EISs, your
21 response to that and so forth, I see here that--and
22 you said that there's a public meeting in December of
23 2010. But is this subject still open, or what is
24 happening today, that is narrowing down this process?

25 Am I correct, that this is the--and I

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1 don't know why it is that you can't have more
2 meetings. In other words, this has happened rather
3 rapidly and, you know, I've had some--I think a lot of
4 people would be interested in this, if they realized
5 this. I attempted to place an add to generate more
6 knowledge of these, and there isn't even an article in
7 today's paper.

8 The paper allowed me to put a very small
9 ad in. They would not permit a larger one. So I'm
10 very concerned about--

11 MR. CAMERON: Mr. Boyson, let's--Drew, can
12 you make sure that everybody--Mr. Boyson and everybody
13 else knows about--

14 MR. STUYVENBERG: Yes.

15 MR. CAMERON: --what the process is, and
16 the fact that it's not--that what we finally end up
17 with is going to be dependent on what the public
18 comments are. Can you just go through that again, for
19 him, and for everyone.

20 MR. STUYVENBERG: Absolutely. And I'm
21 sorry, I didn't mean to try to jump in there, there
22 were a lot of questions that I wanted to try to
23 answer. First of all, with regard to whether this is
24 the last opportunity for public comments, the public
25 comment opportunity comes back again on the draft

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1 Environmental Impact Statement. But I'm going to talk
2 a little bit about the general process and hope to
3 address some of the other concerns that you mentioned.

4 First of all, the generic Environmental
5 Impact Statement is an NRC staff document. The NRC
6 staff wrote that, put that together through a process
7 in the 1990's, and as many of you are aware, we're
8 currently going through the process of updating that
9 document.

10 But that's ours, and they're our
11 determinations, those are not PG&E's determinations
12 and that's not PG&E's document.

13 The license renewal application is a
14 document that PG&E put together, and we brought some
15 copies out there, so any members of the public who are
16 interested in taking a look at parts of that
17 application can do so.

18 They'll at least have the environmental
19 report out there, which is PG&E's assertions about
20 environmental impacts.

21 So they're two separate documents. As far
22 as the public comment process goes, what we do right
23 now is try to make sure that as we get our
24 environmental review started, that we've got a good
25 picture of what the environmental issues are in the

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1 area.

2 That's what today's meeting, and the
3 process through April 12th is about. So that is an
4 early-stage process, by design, because you want to
5 have an idea of what's of concern before we really
6 kick off the main part of our environmental review.

7 What we do then is take that input and
8 figure out how to address the various issues that
9 folks have raised in scoping, how to put that
10 information to work in our review. Then we go on to
11 the plant site, we'll talk to some local--or we'll
12 look at some local environmental issues. We're going
13 to talk to some folks at the state level, and some
14 federal folks who have oversight over particular
15 natural resources, and get their input as well.

16 And then we're going to write our draft
17 Environmental Impact Statement and come back to you
18 all, to get comments again, have you provide input on
19 how you think the staff did. Did we miss things? Are
20 there other things we should be considering, before we
21 go back and figure out how to incorporate that extra
22 comment, and how to address those issues again?

23 As far as the hearing process goes, there
24 is an initial opportunity for hearing that goes
25 through March 22nd. If there is, if it does end up

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1 being a hearing, there are later opportunities to
2 petition for a hearing opportunity, if new information
3 comes up, that appears to be problematic from
4 somebody's perspective.

5 So it's not the only set of opportunities
6 but it's the one that's formally mentioned at the
7 start. So there are a number of other options.

8 MR. CAMERON: Okay, thanks, Drew. And I
9 would just ask Mr. Boyson, or anybody else in the
10 audience, if you have any suggestions on how the NRC
11 can notice these meetings, in terms of cable TV, or
12 whatever, if you could just talk to our public affairs
13 representative, Lara Uselding, who's right there, and
14 tell them about that, that would be helpful.

15 Let me see if there's anybody else besides
16 Mr. Boyson who has a question now.

17 Yes, sir.

18 MR. FRYER: I'm Richard Fryer. I live in
19 Pismo Beach. I'm interested that you're asking for
20 input on other options for power generation in this
21 case. I wonder if there's any way that your EIR, or
22 some related part of the, I guess documentation, can
23 be provided in a form that's easy for the public to
24 understand.

25 For example, if we didn't have Diablo, if

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1 it was not licensed, what would a comparable coal or
2 oil-fired plant do to the environment? I think that
3 kind of thing can speak to the citizen perhaps better
4 than an over-extensive report that is full of
5 technical jargon.

6 MR. CAMERON: Okay. Two important points
7 there, and Drew, you might want to talk to this. One
8 is an analysis of what the costs and benefits of other
9 options are in terms of generating electricity.

10 But I think also, to make it as user-
11 friendly, understandable as possible. Can you just
12 talk, briefly, to that.

13 MR. STUYVENBERG: Sure. In terms of the
14 alternatives analysis, which you described, comparing
15 the environmental impacts from other means of
16 generating electricity to the environmental impacts of
17 Diablo Canyon, that's what our document strives to do.

18 So that's what we'll be putting together over the
19 coming months.

20 In terms of making it more accessible, I
21 definitely hear what you're saying. You know, we're
22 looking at it on an ongoing basis and how to make that
23 more readable and more accessible to the public. I
24 would like to take your suggestions for how to do that
25 later on, if you're still around.

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1 MR. CAMERON: Okay. Thank you very much.

2 We would go for one more question to Mr. Boyson, and
3 we'll go over here, and then we're going to go to
4 being able to listen to your comments.

5 Mr. Boyson, you had a follow-up on the
6 environmental review?

7 MR. BOYSON: Yes; a follow-up. On this
8 business about this adjudicatory hearing, you had--I
9 want to ask you, do you have any applications, or
10 whatever is the correct terminology, for that now, and
11 are you likely to call for adjudicatory hearings?

12 I had the definite impression from the
13 earlier meeting, and I guess that's the February 9th
14 meeting, that--from you, I believe--that you thought
15 that it was likely that there would be an adjudicatory
16 hearing. At least that's what I understood.

17 And so my question is: Do I have to apply
18 for that? Or have other people applied already, and
19 are you likely to--my whole question is: What's the
20 hurry here? Because it does seem like we're narrowing
21 down very quickly. And that's my question.

22 Are there going to be--is there going to
23 be an adjudicatory hearing, in your judgment?

24 MR. CAMERON: And Drew, whatever
25 information you have on that for everybody would be

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1 useful, but I know that often, until the requests to
2 participate in the hearing don't come in until almost
3 the last day of the 60 day period. But Drew, any
4 further information on that?

5 MR. STUYVENBERG: To my knowledge, no
6 requests have yet been filed. I would anticipate,
7 given the environment around the plant, and some of
8 the strong interest we've seen in having some issues
9 addressed in particular ways in this review, that it's
10 likely that there will be an adjudicatory hearing.
11 But I don't know. That's going to be up to
12 individuals to file.

13 So it is something, that if you were
14 interested in petitioning for it, you can do that, and
15 what we have out in the hallway is the Federal
16 Register notice that provides instructions on how to
17 specifically file for that opportunity.

18 So if you don't have a copy yet, we'll
19 make sure you get a copy. I would note that the
20 deadline is the 22nd of March. You'd probably want to
21 start looking at that at least, you know, a week or
22 two weeks out, because some of the things, like filing
23 for the agency's electronic document system, you have
24 to do prior to the last day.

25 MR. CAMERON: Thank you, Drew, and if Mr.

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1 Boyson, or anybody else, wants to know a little bit
2 more about the hearing process, we'll be glad to,
3 myself included, talk to you about that. But we
4 really need to go on right now.

5 Yes, ma'am.

6 MS. LEWIS: Hi. I'm Sheri Lewis from San
7 Luis Obispo. In Title 10 of the Code of Federal
8 Regulations, Part 73, Section 55, there are--

9 MR. STUYVENBERG: I have to apologize, I
10 don't have my copy with me, but I'll--

11 MS. LEWIS: Well, it's called Physical
12 Protection of Power Plants and Materials, and it's
13 dealing with sabotage and terrorism and stuff. When
14 I--it was made effective May 2009, in a very detailed
15 way. I read it before that--not before that time--but
16 I read what they had before that, and it was much more
17 general.

18 The newer one, of last year, is very
19 detailed, and explicit, and the nuclear industry has
20 had ten months to comply to these.

21 Several plants have asked for extensions
22 of varying lengths. For example, Virginia Electric,
23 and Carolina, and others, and PG&E has asked for an
24 extension.

25 The deadline for compliance to that

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1 physical protection is March 31st of this year, that's
2 the end of this month, and PG&E has asked for an
3 extension to next June, or a year, so June of 2011.

4 I'm wondering if there has been any
5 nuclear power plant that has not asked for an
6 exemption to the deadline, because I'm thinking, if
7 you have rule that must be followed, that are very
8 detailed, very explicit, and everybody asks for an
9 exemption, and it's granted, to they ever have to
10 comply, or can--then the rule is ineffective, if
11 people don't have to comply.

12 So my question is--of course there's still
13 a month to go and you may get some more exemption
14 requests--has any nuclear power plant not asked for
15 exemption to the deadline?

16 MR. CAMERON: Okay. Thank you. Thanks,
17 Sheri. I don't know if we have information on that
18 but we certainly might be able to find out about that,
19 and point noted about how many exceptions are granted.

20 Drew, any--or Troy--I think Troy Pruett
21 may be able to give us some information on that.

22 MR. PRUETT: Again, my name's Troy Pruett.
23 I'm the deputy director for the Division of Reactor
24 Safety in Region IV, and I will agree that a large
25 number of facilities did ask for exemptions to delay

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1 the implementation date, pieces and parts of that rule
2 change. Some of those--the rule change required some
3 fairly detailed modifications to be made at certain
4 facilities, and they just couldn't complete those in
5 the timeframe specified by the rule.

6 But those same facilities have implemented
7 compensatory measures, until they can implement some
8 of those design changes in order to comply with the
9 rule. And the regional--I'll just add to that. The
10 regional offices will begin inspection of the
11 facilities' implementation of the new rule changes
12 beginning April 1st, when they go out and do their
13 security baseline inspections.

14 And I think I might--I don't have an
15 answer for "has anybody not?" but I can make a couple
16 of phone calls, and maybe you can approach me after
17 the meeting today, and I'll get you an answer today,
18 if at all possible.

19 MR. CAMERON: Okay. Thanks, Troy. Troy
20 Pruettt from our Region IV office, and Sheri, you might
21 want to talk to him in more detail.

22 We're going to start with our comment
23 period now, and I'm going to ask you to come up here,
24 and we'll use a 3- to 5-minute deadline.

25 We're going to go to Adam Hill, first,

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1 from the San Luis Obispo County Board of Supervisors,
2 and then we're going to go to Betsy Umhofer from
3 Congresswoman's Capps' office, and then we're going to
4 go to Bill Denneen.

5 Yes, please.

6 MR. HILL: Good afternoon, and I'd like to
7 thank the NRC for being here in our community. I'm
8 Adam Hill from the San Luis Obispo County Board of
9 Supervisors, representing District 3 in which Diablo
10 Canyon Nuclear Power Plant resides. Next week, our
11 board has on its agenda a letter supporting PG&E's
12 application to the California Public Utilities
13 Commission, to fund further seismic studies that would
14 include three-dimensional reflection mapping and other
15 advanced geophysical techniques.

16 Thus, I am here today to ask the NRC to
17 consider two requests.

18 First, I ask the NRC to fully integrate
19 and assess all the information that will come from
20 these seismic studies in both your safety and
21 environmental reviews.

22 Furthermore, it is imperative that you not
23 rely on your generic frameworks, but, rather, than you
24 incorporate site-specific criteria and data into your
25 reviews.

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1 Secondly, I have sent the chairman of the
2 NRC a letter asking that the license renewal
3 application for Diablo Canyon Nuclear Power Plant be
4 delayed until the seismic studies are complete.

5 I do so because I believe this is the most
6 logical and responsible way to proceed. If, however
7 the NRC believes it is best to allow the license
8 renewal process to proceed concurrent to the
9 additional seismic studies, I'm going to ask the NRC
10 not to complete the process until those studies are
11 complete.

12 Our community fully recognizes the
13 significance of the Diablo Canyon Nuclear Power Plant
14 to our county and to our state. PG&E is a crucially
15 important component of our local economy and it is a
16 good corporate citizen.

17 That said, I believe my constituents, PG&E
18 and the NRC, would be best served by a process that is
19 comprehensive, site-specific, and also logically
20 graduated.

21 Thank you.

22 MR. CAMERON: Okay. Thank you very much,
23 Supervisor Hill. And this is Betsy Umhofer from
24 Congresswoman Capps' office.

25 MS. UMHOFER: Thank you. Hello. I'm

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1 Betsy Umhofer. I'm the district representative for
2 Congresswoman Lois Capps, and I'm here to read the
3 following statement from the congresswoman.

4 Thank you for the opportunity to comment
5 on the environmental issues the Nuclear Regulatory
6 Commission should consider in its review of the
7 proposed license renewal application for the Diablo
8 Canyon Nuclear Plant.

9 I represent the 23rd congressional
10 district in which this facility is located. As a
11 member of the House Energy and Commerce Committee, I
12 am very interested in issues relating to the
13 relicensing process of the nuclear power plants. I
14 appreciate the NRC holding this forum to assess all of
15 the environmental impacts that would result if this
16 plant were to be relicensed.

17 Given the complex scale of this renewal,
18 as well as the complex technical issues contained in
19 the licensee's application, it is critically important
20 that this assessment be comprehensive and independent.

21 The NRC must fully assess and address
22 safety and security impacts, including any measures
23 available to mitigate them as they relate to the
24 environmental review.

25 That means the assessment must include

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1 updated and completed analyses to ensure the
2 surrounding natural and marine environment is
3 protected; the plant, including aging infrastructure,
4 can withstand potential earthquakes and is not
5 vulnerable to a terrorist attack; and that any on-site
6 storage of waste be done safely.

7 I believe failure to fully assess these
8 issues would do a disservice to the review process, by
9 disallowing a look at the overall collective impacts
10 of this renewal on the environment.

11 For example, the recently-discovered
12 shoreline fault, less than one mile offshore of the
13 plant, has not been thoroughly studied. This clearly
14 exacerbates an already precarious situation.

15 The central coast of California has a
16 number of major and active earthquake faults. To
17 reduce the likelihood, or severity of a severe
18 accident due to these faults, the NRC must include
19 severe accident mitigation alternatives, supported by
20 new seismic hazard data as part of this review
21 process.

22 Only with an all-inclusive review of the
23 safety and security impacts, will the NRC ever be able
24 to come to an accurate conclusion as to the degree of
25 the severity of a planned, or unplanned event, at the

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1 plant.

2 Accordingly, the NRC must require site-
3 specific assessments to address the potentially
4 catastrophic and far-ranging impacts on the
5 environment during the license renewal process.

6 Again, I urge the NRC to act
7 deliberately in this matter, based on a thorough
8 public record. My constituents deserve assurance that
9 everything possible is being done to ensure this
10 facility is operated in a safe and sound manner, and
11 that the relicensing process is focused on protecting
12 their health and safety. Thank you for this
13 opportunity to comment on this process.

14 MR. CAMERON: Okay. Thank you very much,
15 Betsy, and please thank the congresswoman for us. And
16 this is Bill Denneen. Bill.

17 MR. DENNEEN: My name is Bill Denneen and
18 I come from Nipomo, and I'm 85, and my first advice to
19 everyone--don't get this old. It's terrible. I have
20 a bunch of Sierra Club publications in which Rochelle
21 Becker has a wonderful article. If you want a copy,
22 you can come up and take the whole bunch and pass them
23 around, anybody that wants, and leave what you have
24 left on the table that says Information. I don't know
25 if they'll allow this or not, but it's a wonderful

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1 publication and I urge you to read Rochelle Becker's
2 article.

3 Rochelle Becker goes way back with me when
4 she was a young kid, and she came to me and said, how
5 do I become active, environmentally? And I think I
6 got her started. Yes!

7 Okay. I want to go back to the 1960's.
8 No one wants a copy? No one wants to hand them out?
9 Oh, well. They are here, and he's going to hand them
10 out. He said he's going to hand them out. One.

11 I go back to the 1960's, in which I was
12 asked to talk about the--see, I'm a biologist--about
13 the biology of nuclear radiation, and I was speaking
14 with a guy named Ralph Vernon--maybe you heard his
15 name--Ralph was wonderful. He was a geologist.
16 Anyway, I talked about the effects of nuclear
17 radiation on DNA. That's what I was concerned with.

18 Ralph talked about an earthquake fault
19 near Diablo. PG&E said there's no earthquake faults,
20 we've studied it, there's none within 50 miles of
21 Diablo. And as you may know, two have been discovered
22 since. PG&E missed them, and they had it--No. There's
23 no earthquake faults near Diablo. And they were
24 adamant. That's just the beginning of PG&E's
25 influence. And by the way, they have Proposition, I

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1 think it's what? 15, on the next election. Vote "no,"
2 by the way.

3 Okay. We'll move along in time to the
4 sixties, and in '78, I'm proud to say that I was
5 arrested. How many people can brag about being
6 arrested? I was arrested in front--yes! Compliments.

7 I was arrested in front of Diablo. My question was:
8 What are you going to do with the nuclear waste? I
9 was told: Don't worry about it, we'll take care of it,
10 we're all set, we're working on it. That was back in
11 '78.

12 They didn't know what they were going to
13 do with the nuclear waste, and they said don't worry
14 about it, we'll take care of it. I think they were
15 talking about a place called Yucca Mountain, or
16 something like that.

17 Anyway, here we are, a few years later
18 from back in '78, when I was arrested. What are they
19 doing with the nuclear waste? Storing it on site,
20 upwind from where I live. I am--I'm old, but I would
21 like to live as long as I can and not get irradiated.

22 Anyway, I suggest--I'm going to finish up,
23 I think my time's running out--by suggesting this
24 nuclear waste is being stored, stored--stored right
25 next to the nuclear power plant, subject to terrorist

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1 attack, subject to earthquakes that they said weren't,
2 wouldn't happen around here. It's being stored there.

3 What's going to happen when there's a
4 earthquake fault like down in Chile. Woo-woo. It's
5 going to be interesting. Anyway, that's what--I
6 suggest they take that nuclear waste, put it in those
7 big cement storage things, and put them in the
8 backyards of the Nuclear Regulatory Commission and the
9 members of PG&E, the CEOs of PG--they deserve that in
10 their backyards. Thank you.

11 MR. CAMERON: Okay. Thank you. Thank you
12 very much, Bill. Eighty-five. That's quite a
13 testament.

14 We're going to go to Sheri Lewis, David
15 Weisman and Judy Evered.

16 Sheri.

17 MS. LEWIS: Hi. I'm Sheri Lewis from San
18 Luis Obispo. Diablo Canyon Nuclear Power Plant is
19 located in an area of known and newly-discovered
20 earthquake faults. NRC guidelines do not permit a
21 reactor to be on or near faults, and yet, because
22 Diablo Canyon was already built, the license was
23 grandfathered in. Now there is a new fault, the
24 shoreline fault, and PG&E wants to relicense the plant
25 for 20 more years.

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1 How many faults are to be found before the
2 grandfathering will stop? If the NRC had the caution
3 not to allow a nuclear reactor near fault lines, why
4 are they ignoring that wisdom now, to allow
5 relicensing? I'd like to address the storage of high-
6 level radioactive waste. Spent fuel rods are stored
7 in pools under 20 feet of water, for years, and then
8 need to be removed and stored elsewhere as the pools
9 fill up.

10 There still has not been a viable solution
11 to the problem of permanent long-term storage. The
12 dry cask system on site is only temporary and is
13 guaranteed safe for 100 years.

14 But some of the isotopes being stored
15 inside are extremely dangerous, if accidentally
16 exposed to the biosphere. Some of these isotopes have
17 half-lives of thousands and even millions of years.
18 Are we really able to protect these casks for such a
19 long period of time? Will we be around that long?
20 And all this is for energy now?

21 Consider that length of time. The
22 pyramids in Egypt were built less than 5000 years ago.

23 It's unbelievable. I always thought that was a very
24 long time. Can you imagine keeping these casks intact
25 for 5000 years? The cave paintings in France are

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1 thought to be 16,000 years old. Native Americans have
2 been here for 20,000 years and more. The half-life of
3 plutonium 239 is 24,000 years. Are we going to be
4 able to keep these casks safe for about as long as
5 native Americans have been on this continent?

6 The first Homo sapiens were only 150,000
7 years ago in Africa. That's still not the half-life
8 of uranium 235, which is 700 million years.

9 So we are creating high-level nuclear
10 waste that lasts forever, and all for energy we need
11 now. This is absurd. It's ridiculous. Who is going
12 to be responsible for keeping this storage? Our
13 grandchildren? Our descendants way down the line,
14 four or five generations each century? How many
15 centuries? All for energy now.

16 And it's not just the casks. Earthquake,
17 sabotage, terrorist attack, all expose the biosphere
18 to these poisons.

19 The dry cask storage they have now will be
20 filled up by the time the present license has expired.

21 Do we want to allow for even more radioactive waste
22 by relicensing?

23 Thank you.

24 MR. CAMERON: Thank you, Sheri.

25 Now David. It's David Weisman.

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1 MR. WEISMAN: Good afternoon. David
2 Weisman, Alliance For Nuclear Responsibility. The
3 words I would read this afternoon are not my own. I'd
4 just like to read the following letter into the
5 record, in the hopes that it will shed some
6 clarification on what we believe is a procedural and
7 timeframe issue surrounding the relicensing of Diablo
8 Canyon. So I will just read this one-page letter into
9 the record.

10 The letter is on the letterhead of the
11 California Public Utilities Commission, Office of the
12 President, June 25th, 2009.

13 Mr. Peter Darby, president, chief
14 executive officer of Pacific Gas & Electric.

15 The letter begins: "Dear Mr. Darby: As
16 required by Assembly Bill 1632, Blakeslee, the Energy
17 Commission completed a comprehensive assessment of
18 Diablo Canyon and San Onofre, and adopted the study
19 and assessment of California's nuclear power plants,
20 AB 1632 report, as part of the 2008 Integrated Energy
21 Policy Report. This AB 1632 study recommended that
22 the CPUC take certain steps to ensure plant
23 reliability when we review PG&E's license renewal
24 feasibility study for Diablo Canyon.

25 "In particular, we need to ensure that we

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1 thoroughly evaluate the overall economic and
2 environmental costs, and benefits, of a license
3 extension for Diablo Canyon, especially in light of
4 the facility's geographic location vis-a-vis seismic
5 hazard and--excuse me, pardon me--seismic hazard and
6 vulnerability assessment.

7 "As part of this evaluation, PG&E should
8 report on its progress in implementing AB 1632's
9 report, recommendations on Diablo Canyon. The CPUC
10 will be looking to the Energy Commission's independent
11 Energy Progress Policy Report for information and
12 input to its license renewal decisions for Diablo
13 Canyon.

14 "It has come to my attention that PG&E
15 does not believe that it should include a seismic
16 study and other AB 1632 report recommended studies as
17 part of its Diablo Canyon license renewal study for
18 the CPUC.

19 "Apparently PG&E bases its decision on the
20 fact that the Nuclear Regulatory Commission's license
21 renewal application review does not require that such
22 a study be included within the scope of a license
23 extension application.

24 "That position, however, does not allow
25 the CPUC to properly undertake its Assembly Bill 1632

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1 obligations to ensure plant reliability and, in turn,
2 ensure grid reliability in the event Diablo Canyon has
3 a prolonged or permanent outage.

4 "Therefore, the Commission directs PG&E to
5 perform the following tasks as part of its license
6 renewal feasibility study for Diablo Canyon."

7 And I will report only those ones that
8 directly pertain to the seismic issue.

9 "One. Report on the major findings and
10 conclusions from Diablo Canyon seismic tsunami studies
11 as recommended in the Assembly Bill 1632 report as
12 well as studies that are directed by any subsequent
13 legislative mandates, and report on the implications
14 and findings, and conclusions for the long-term
15 seismic vulnerability and reliability of their plant.

16 "Two. Summarize the lessons learned from
17 the Kashiwazaki-Kariwa plant experience in response to
18 the 2007 earthquake, and discuss the implications that
19 an earthquake of the same, or greater magnitude, could
20 have on Diablo Canyon. In particular, the Commission
21 needs PG&E to evaluate whether there are any
22 additional pre-planning or mitigation steps that the
23 utility could take for the power plant, that would
24 minimize plant outage times following a major seismic
25 event.

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1 "Three. Reassess the adequacy of access
2 roads to the Diablo Canyon plant and surrounding
3 roadways, for allowing emergency personnel to reach
4 the plant and local community plant workers to
5 evacuate. This assessment needs to be, to consider
6 today's local population and not rely on the situation
7 extent when the plant was constructed.

8 "Four. Conduct a detailed study of local
9 economic impacts that would result from a shutdown of
10 the nuclear plant and compare that impact with
11 alternative uses of the Diablo site.

12 "Five. Assess low-level waste disposal
13 cost for waste generated through a 20 year plant
14 license extension, including low-level waste disposal
15 costs for any major capital project.

16 "Six. Study alternative power generation
17 options to quantify the reliability, economic and
18 environmental impacts of replacement power options.

19 "And seven. Include PG&E's response to
20 the nuclear-related data requests and recommendations
21 in future integrated energy policy reports.

22 "PG&E's rate case, D0703044, specifically
23 linked PG&E's license renewal feasibility study for
24 Diablo Canyon to the Assembly Bill 1632 assessment and
25 PG&E is obligated to address the above-itemized issues

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1 in its plant relicensing application.

2 "This Commission will not be able to
3 adequately and appropriately exercise its authority to
4 fund and oversee Diablo Canyon's license extension
5 without these AB 1632 issues being fully developed.
6 Sincerely, Michael R. Peavey, president, California
7 Public Utilities Commission." Thank you.

8 MR. CAMERON: Thank you very much, David.

9 We can go to Judy Evered now. Then we're going to go
10 to Ed Valentine, Lauren Brown and Hugh Wadman. And
11 this is Judy, Judy Evered.

12 MS. EVERED: Thank you. Good afternoon.
13 I've come a long way to this hearing, because I think
14 it's the most important issue we can deal with. We
15 have a little control over, we hope.

16 I live in Santa Barbara and we're 40 years
17 overdue for The Big One, and they've researched
18 underneath of Santa Barbara and it doesn't look good.

19 And I don't think any area along this coastline is a
20 safe area because we're in the Ring of Fire, and it's
21 in a place where there have been numbers of point nine
22 earthquakes, many more than I had thought. I thought
23 there was just the Alaskan one.

24 And now the 8.8 one in Chile has moved the
25 axis of the Earth one second plus. And if it could do

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1 that, I'm sure it can ruin Diablo Canyon Nuclear Power
2 Plant. And another thing about the Chilean earthquake
3 was it stretched 300 kms. That means that if
4 something happened in Santa Barbara, 80 miles away, it
5 could happen here too.

6 So it's--I concur with Congresswoman
7 Capps' assessment that this has to be truly
8 comprehensive.

9 So I'm suggesting that the NRC has great
10 responsibility now to not only stop 20 more years but
11 potentially close the plant, and I'm very curious,
12 right now, of how many people would consider--it seems
13 like a dramatic and uncalled-for need, but I would
14 suggest it's the only rational thing to do. Humans
15 can be rational, at times. So I'd like to see how
16 many people in the audience today would consider
17 closing the plant to prevent future deaths and
18 destruction, and terrible, terrible times.

19 Oh. There are a few. We have two--oh,
20 quite a few. How many? Two, four, six, eight, ten.

21 MR. CAMERON: Okay. Thank you.

22 [Applause]

23 MS. EVERED: I think that that's the only
24 way to go--personally.

25 MR. CAMERON: Thank you very much, Judy.

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1 Now this is Ed Valentine, who's superintendent of the
2 school district.

3 MR. VALENTINE: Thank you. I think my
4 comments, in looking at the topics that were shared
5 with us earlier, fall into the category of Other. My
6 name is Ed Valentine. I'm the superintendent of the
7 San Luis Coastal Unified School District, and I
8 thought that as the NRC takes commentary on the
9 environmental impact of Diablo Canyon, I thought I
10 might share some of the economic implications of it
11 for us. Within our budgetary prospects, Diablo Canyon
12 generates about 15 percent of the school district
13 budget, or appropriately \$11 million.

14 If we look at it in another way, proceeds
15 from the Diablo Canyon Power Plant funds the education
16 of about one in every seven children in our community.

17 As this licensing moves forward, obviously
18 from that perspective, we're very supportive that that
19 would move forward, but we would expect that to occur
20 in a prudent and timely way. And thank you for the
21 opportunity to speak.

22 MR. CAMERON: Thank you very much,
23 Superintendent Valentine.

24 Lauren. Lauren Brown.

25 MS. BROWN: I'd like to thank the NRC for

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1 this opportunity to solicit input from the community.

2 My name is Lauren Brown. I live at 7 Chuparross
3 here, in San Luis Obispo. I'm retired, and I'm
4 speaking on behalf of what I consider to be important
5 concerns for this community.

6 Among the most important environmental
7 concerns that I think should be taken into
8 consideration is the fact that nuclear power is one of
9 the alternative ways of generating energy that does
10 not put additional carbon dioxide into the atmosphere.

11 I'm very concerned, personally, about the
12 risk of extensive climate damage to the entire Earth
13 because of the enormous amount of CO2 going into the
14 atmosphere.

15 I think the fact that this plant is not
16 emitting CO2 is something that should definitely be
17 taken into consideration from an environmental
18 standpoint.

19 I personally feel so strong about this,
20 that I am installing solar panels on our roof in the
21 next month. In terms of alternative, I think
22 absolutely, there should be no consideration to
23 additional fossil fuel-generating facilities. The
24 only alternatives that I would consider acceptable
25 would be solar. For this region, it's about the only

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1 one that is practical.

2 And the license time, the period of time
3 required for planning, for the development, siting,
4 environmental studies for such a extensive facility,
5 one that would generate 20 percent of the power that
6 comes from Diablo Canyon--it would be a very, very
7 lengthy and daunting process. Hence, it's essential,
8 from my standpoint, that this application run
9 concurrent with the current seismic assessment.

10 I certainly support that the NRC should
11 take fully into consideration all of the security and
12 safety issues around this in terms of completing their
13 application. But I do urge that the NRC run this
14 concurrently.

15 To conclude, I'd just like to comment that
16 my impression of PG&E is that it's been an outstanding
17 community member. Its contribution to our economy is
18 enormous. I have seen also how they support the
19 community in so many ways, helping nonprofits, and a
20 variety of other ways.

21 And so I'd like to support this process
22 going forward concurrently. Thank you.

23 MR. CAMERON: Thank you, Lauren.

24 Hugh. Hugh Wadman. And then we're going
25 to go to Sandy Jack, Sally Krenn and Jane Swanson.

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1 This is Hugh Wadman.

2 MR. WADMAN: Thank you for this
3 opportunity to speak. I'm a retired chemist. I was
4 first trained in atomic issues as an undergraduate. I
5 was trained in radiochemistry as a graduate student.
6 I did graduate work using radiochemistry traces in
7 biochemical systems of photosynthesis for my PhD, and
8 I've subsequently taught courses in radiochemistry. I
9 think I have some background.

10 I have one issue which I think is
11 appropriate to the scope. It is the in-scope
12 environmental issues for generic determinations. The
13 one I am concerned with is, I think, of relatively low
14 impact. It is the one which cites the impacts from
15 uranium fuel cycle and waste management. In general,
16 I feel that there is little or no waste risks
17 associated with the present storage of the fuel. I
18 think it is a gross exaggeration to imagine that there
19 is any conceivable way in which that nuclear waste
20 could possibly release, on this society, even a tiny
21 fraction of the radiation exposure which is rooted--we
22 are all routinely subject to from the relatively high
23 levels of radon in this area from rock, volcanic
24 rocks, or from medical sources.

25 It is simply a failure to look at numbers,

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1 and I challenge the critics to start delivering
2 numbers instead of wishful thinking. My one concern
3 is that the waste in those casks is two types--fission
4 products that diminish in their intensity of radiation
5 to one-half in every 30 years.

6 It takes a long while. There is a large
7 level of radiation, initially, but it diminishes very
8 rapidly, and ultimately, what is left is the so-called
9 transuranics of which the one which we've all heard of
10 is plutonium, and that plutonium could conceivably be
11 used for evil purposes. It is in fact a very--the
12 primary purpose that comes to mind is to build a bomb
13 out of it. It is not bomb-grade material. It is
14 almost impossible to make a bomb from the plutonium
15 that is in those casks.

16 I think that I may misinform, but in fact
17 the "bomb boys" have succeeded in making a very poor
18 quality nuclear bomb directly from that nuclear waste.

19 It would be a tremendous challenge to any terrorist
20 organization to accomplish that fact.

21 But as a matter of sort of wearing belt
22 and suspenders, I would like to see the present fuel
23 cycle modified gently, over the next decade or so, to
24 refrain from contributing to that plutonium waste, and
25 remodification is to modify the burning process by

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1 possibly a modification of the charging of the
2 reactors but more likely by the new fuel charges
3 containing some recycled fuel, which diminishes the
4 availability of the plutonium for bomb-making
5 processes.

6 I would reiterate the last gentleman's
7 comments, that it is very important, in health issues,
8 not to spread false information about cures, and hence
9 because people from taking appropriate actions. For
10 example, scares about vaccines prevent effective
11 vaccination of children and children die as a
12 consequence.

13 I think we should remember that every
14 single unit of nuclear power that comes out of that
15 nuclear reactor can and will be, for a long time into
16 the future, one unit of power that was not produced by
17 the carbon-based fuels, coal, oil, and the risks
18 associated with carbon dioxide in the atmosphere so
19 transcend any other risks that society faces, that it
20 is absolutely trivial to be concerned with radiation
21 from nuclear power. It stands in the way of dealing
22 with a far more serious challenge from global warming.

23 Thank you for this opportunity to speak.

24 MR. CAMERON: Thank you very much, Hugh.
25 We're going to go to Sandy Jack, Sally Krenn and Jane

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1 Swanson. This is Sandy Jack.

2 MR. JACK: Good afternoon, everyone. It's
3 my pleasure to be here. It's something different for
4 me. What should the NRC look at in the EIR? I've
5 heard a lot of comments; a lot of good things. The
6 job of the EIR is to identify all of the potential
7 impacts on the environment, and I would like to see,
8 among some of the others, first of all, you start with
9 the history of Diablo Canyon, its safety,
10 transparency, and air quality.

11 We have to be cognizant of, and should
12 review the replacement cost to the consumer and
13 business as a comparison for all other types of
14 alternative energy that might be undertaken. Impact
15 on jobs. I mean, let's face it. This state, right
16 now, we need some jobs. The whole country needs jobs.

17 And Diablo Canyon I think has somewhere
18 around 15-, 16-, 1700 jobs. I'm not sure of the
19 number. Tax revenues. You heard from the school
20 superintendent. There are a lot of different
21 organizations, all the way from charities to school
22 programs, some of the arts programs, that receive
23 monies as a result of Diablo Canyon. What is the
24 replacement cost?

25 How is that going to impact everyone?

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1 Risk to human life versus the economic impact to the
2 region. I think those have to be done in detail and I
3 think that ties into some of the other comments.
4 Degree of impact to the environment. It has to be a
5 balanced approach.

6 We look at air quality, we look at water
7 quality, alternative types, impacts on the communities
8 within the region. Based upon what I've learned so
9 far, I see no particular reason to delay the
10 application process, and would concur with the
11 previous speaker, that the seismic study be concurrent
12 with the application process. Thank you.

13 MR. CAMERON: Thank you, Sandy.

14 Sally. Sally Krenn.

15 MS. KRENN: Good afternoon. Thank you for
16 the opportunity for giving me to speak. My name's
17 Sally Krenn and I'm a Pacific Gas & Electric
18 biologist, and I've worked along the Diablo Canyon
19 lands for over 30 years now. I'm not as old as Bill
20 Denneen, but up there. This is in reference to the
21 state level oversight of coastal land management, and
22 I just wanted to share with you the team that PG&E
23 has, of biologists, archaeologists, engineers, and
24 some of the programs that we conduct to protect our
25 local natural and cultural resources.

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1 One of our--we have over 12,500 acres of
2 coast land, and as you, when you conduct your on-site
3 environmental audit, you'll--you cannot overlook the
4 fact that it's a spectacular coastline. It's just
5 gorgeous. And some of the programs we do to keep it
6 so pristine is we use managed grazing.

7 On the East Coast I know you mow a lot,
8 but we use cows, and our grazing program has actually
9 been used as a field school by Cal Poly, San Luis
10 Obispo, because of the program's use of high density,
11 low impact cattle movement. One of our lessees is
12 actually Bob Blanchard and Mr. Blanchard couldn't make
13 it today.

14 He was voted, awarded the Cattlemen's Beef
15 Association environmental stewardship award for his
16 practices in San Luis Obispo County. And Bob
17 Blanchard has commented that our goal is to manage
18 this land in such a way, that we are confident that we
19 are not using it at the expense of future generations.

20 We've been able to see and better
21 understand the importance of grazing animals and
22 maintaining healthy and diverse grassland ecosystems.

23 By alternating the grazing patterns--he calls it the
24 "Pecho Ranch," because historically, this piece of
25 property was a Spanish land grant. So goats are--he

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1 also uses goats. By alternating the grazing patterns
2 on this ranch, goats are allowed to eat the more
3 mature brush, open the canopy which then allows more
4 sunlight to reach the ground and new grass to grow.

5 Areas that previously were undesirable or
6 had overmature plants are now livened up by the impact
7 of animals, thus eliminating any dependence on
8 substitute feeding.

9 And for any of you have hiked the Point
10 Bouchon or Pecho Coast Trail, which are public hiking
11 trails that we provide, we provide over seven miles of
12 our coastline for recreational hiking, you'll notice
13 that you see more predatory animals. We're a
14 predatory-friendly ranch, and we have bobcats, we have
15 mountain lions, and lots of burrowing owls and
16 critters that prefer grassland habitat over shrubland.
17 Grasshoppers, sparrows, horned larks.

18 We work--we have a lot of partners. We
19 also work with Cal Fire, and just recently, we burned
20 about 200 acres of a bishop pine grove which is--it's
21 necessary for fire to regenerate new--it's necessary
22 to have fire to regenerate new bishop pine trees.

23 We also have partnerships with a lot of
24 agencies, such as Fish & Game. We recently, in the
25 last two years, restored steelhead trout habitat. And

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1 I'm just--I'm pretty proud of PG&E for participating
2 in these programs, and I just want to share with you
3 the fact that PG&E is making incredible efforts to
4 keep this coastline a pristine state, and the
5 knowledge that this program is shared with many of our
6 partners and agencies. Okay. Well, thank you.

7 MR. CAMERON: Thank you. Thanks, Sally.
8 Jane. This is Jane Swanson of San Luis Obispo Mothers
9 For Peace.

10 MS. SWANSON: Yes. I am Jane Swanson. I do
11 speak for San Luis Obispo Mothers For Peace. The
12 statement I will be making this afternoon is kind of a
13 long-range perspective, Big Picture statement, and
14 this evening, Mothers For Peace will point out three
15 specific issues that we are quite sure belong within
16 the scope of the environmental studies. So that will
17 be more specific in this evening.

18 For now, a review. Our nonprofit group
19 has served a unique role since 1973, when Mothers For
20 Peace made the commitment to pursue available legal
21 challenges to oppose the licensing of the aptly-named
22 Diablo, a nuclear power and radioactive waste storage
23 site built next to an active earthquake fault. Sheri
24 Lewis reviewed that history, so I won't repeat it.

25 But over the decades, Mothers For Peace

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1 has conducted an ongoing assessment of the scoping of
2 issues considered, and not considered, by the Nuclear
3 Regulatory Commission. So now, 37 years later, we
4 offer the executive summary of our decades-long study.

5 Mothers For Peace sees an adverse trend in
6 the NRC's failure to interface with the real world.
7 The Agency has created a fictional reality bubble, a
8 labyrinth of rules and regulations that does not
9 connect with the world inhabited by other federal
10 agencies or by the general public. I will offer just
11 three examples of issues that have great potential for
12 damaging the environment.

13 Example number one. The California coast
14 is an earthquake zone. The Nuclear Regulatory
15 Commission, at that time the Atomic Energy Commission,
16 in 1984 and '85, licensed Diablo's two reactors,
17 despite the fact that it was, and remains against NRC
18 regulations, to allow nuclear facilities to be sited
19 next to major active earthquake faults.

20 The Hosgri Fault is still there and will
21 be forever. New faults have been discovered but not
22 thoroughly studied. Include seismic information, new
23 seismic information as you consider another 20 years,
24 and then say no.

25 Example number two. There is still

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1 nowhere to store radioactive waste virtually forever.

2 The NRC consistently ignores the reality that there
3 is no location, no plan, no technology in place, or on
4 the horizon to isolate radioactive waste from the
5 biosphere for the required quarter of a million years,
6 or one million years, if you take EPA standards.

7 The NRC Web site still refers to Yucca
8 Mountain as the solution. It's still there. And the
9 Agency has already given 57 license extensions to
10 other plants. Include the problems of additional
11 wastes as you consider another 20 years and just say
12 no.

13 Example number three. Nuclear plants are
14 targets of terrorists. The Department of Homeland
15 Security, the FBI, and other federal agencies state
16 that nuclear facilities are, by definition, targets of
17 terrorists. And yet the NRC does not protect nuclear
18 facilities with no-fly zones.

19 Neither does it require nuclear plant
20 operators to protect reactors or radioactive wastes
21 from attack by air.

22 NRC regulations consider it sufficient to
23 outsource, quote, mitigation, unquote, of any such
24 attack to the military. In the real world, a fire in
25 a spent fuel storage pool, or a cask, would release

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1 cesium, radioactive cesium 137 into the atmosphere,
2 and even the armed forces would not be able to stop
3 its lethal spread.

4 Open your eyes to the danger of terrorist
5 threats as you consider another 20 years, and then say
6 no.

7 In conclusion, the NRC must include within
8 its scope of study all the outstanding environmental
9 issues, before seriously considering allowing another
10 20 years, which means 35 years from now, of Diablo
11 Canyon operations.

12 The excuse of, quote, ongoing monitoring,
13 unquote, is not a substitute for a thorough assessment
14 of serious problems before considering taking such a
15 drastic and unrealistic step.

16 MR. CAMERON: Thank you, Jane.

17 We're going to go to Robert Lewin, who's
18 the deputy fire chief. Hi, Robert. And then we'll go
19 to Rebecca McMurray and Lynne Levine.

20 MR. LEWIN: I'm Robert Lewin, a deputy
21 chief for the county fire department. Thank you to
22 the NRC staff for allowing us to contribute to the
23 scoping of the environmental review. During the
24 licensing process of Diablo Canyon, during the late
25 '70s and '80s, our fire protection was addressed, MOUs

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1 were developed as well as emergency plans, and those
2 plans and MOUs have been annually updated.

3 The County Fire does have jurisdiction for
4 fire protection at the plant. We value the
5 cooperative relationship that we share with PG&E's on-
6 site fire dept.

7 The MOU states who has what responsibility
8 for fire protection at the plant. And over time, the
9 last 30 years, the plant has experienced numerous
10 incidents, and those MOU's and emergency plans have
11 been put to good use.

12 The current level of service is effective.
13 It meets the minimum level. the transformer
14 explosion/fire last year clearly demonstrated the
15 value of the on-site PG&E fire department. Their
16 quick response, modern equipment, aggressive training
17 program, and adequate staffing, effectively
18 extinguished a growing fire.

19 No question. Had this not been the case,
20 the plant would have experienced more damage and a
21 longer outage, and could have been not just to one
22 unit, but to both units, resulting in a loss of
23 millions of dollars and a potential threat to the
24 power supply of California.

25 This environmental review should include a

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1 review of the existing fire prevention programs,
2 including public education and vegetation management.

3 The review should look at the fixed fire protection
4 systems that are currently in place, and the
5 inspection programs, to ensure their adequacy.

6 The review should include that the fire
7 protection personnel, equipment, and training, are
8 adequate to meet the needs of the county for the next
9 licensing period.

10 Further, the review should include a
11 review of the emergency response processes. We are
12 confident that the current level of fire protection
13 service meets the minimum industry standard for fire
14 protection. We need to ensure that over the next
15 licensing period, and ensuring decommission, or
16 conversion, that that fire protection continues to
17 meet or exceed those standards.

18 Fire protection should be included in the
19 environmental review. We are prepared to assist the
20 NRC in providing input to that process. Thank you.

21 MR. CAMERON: Thank you, sir.

22 Rebecca McMurry and Lynne Levin, and then
23 we'll go to D.J. Boyson.

24 MS. McMURRAY: Thank you for this
25 opportunity. I'm Rebecca McMurry, CEO of the Pismo

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1 Beach Chamber of Commerce. Pismo Beach Chamber is
2 supportive of the relicensing application submitted by
3 PG&E to the NRC.

4 Diablo Canyon Power Plant is a significant
5 driving force to the economy not only in Pismo Beach,
6 but all over our county and the surrounding areas. We
7 believe that this study should take a long, strong
8 look at the socioeconomic impacts on our county and
9 our communities. As PG&E and Diablo are huge
10 contributors to our tax base, to unemployment, both at
11 the plant and in outside contractors and suppliers
12 outside of the plant, the impact that it has on our
13 tourism industry in Pismo Beach, with the annual
14 outages and the outside workers that come in, as well
15 as contributions to various charitable organizations.

16 Additionally, we feel that the seismic
17 study should take place concurrent with the
18 application and review process. As PG&E continues to
19 study the seismic issues, as is regulated by the NRC,
20 all along, not just in a relicensing application, and
21 as a delay of the application process would not result
22 in additional safety benefits. Thank you for your
23 time.

24 MR. CAMERON: Thank you, Rebecca.

25 And Lynne. Lynne Levine.

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1 MS. LEVINE: Well, good afternoon. I come
2 to the NRC meetings almost all the time, if they're
3 here, and I'm very grateful to them for coming to our
4 community and listening and hearing us.

5 I don't know that they altogether hear us,
6 but they do listen, and I'm happy about that. I am a
7 very grateful resident of San Luis Obispo. I am not a
8 scientist, but I do keep myself apprised and aware of
9 what the scientists say.

10 And I was really very shocked today, when
11 I read that when--I knew that it was against the
12 regulations of the NRC to license a nuclear power next
13 to a fault, and I read that they grandfathered Diablo
14 Canyon because PG&E was excused, because it was
15 unaware of the Hosgri Fault when they decided to build
16 this. And that is what is shocking to me.

17 I was aware of the Hosgri Fault. In 1984,
18 I was so aware of it, that I was one of those people
19 that did the civil disobedience and spent three days
20 in jail, to hope that Diablo Canyon would not be built
21 here on the Hosgri Fault.

22 So it is just so surprising to me that
23 PG&E didn't know about the Hosgri Fault. Isn't that
24 sort of shocking to you all? And that's why I'm still
25 here, hoping that they won't be here forever. Thank

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1 you.

2 MR. CAMERON: Okay. Thank you, Lynne.
3 We're going to go to Dwight Goggans and then O.V.
4 Harkee and Ann Harkee. This is Dwight Goggans coming
5 up.

6 MR. GOGGANS: Thank you. My name is
7 Dwight Goggans, a long-time resident, recently retired
8 from the California Highway Patrol. At the time of my
9 retirement, I was the assistant chief in our Division
10 Office, which is responsible for all the coastal
11 counties from Santa Cruz to Ventura.

12 Prior to that, I served as the commander
13 of our local San Luis Obispo Area Office. Prior to
14 that, I served as the commander of our local office.

15 I've also served in Los Angeles,
16 throughout the San Francisco Bay Area, and our
17 headquarters in Sacramento.

18 During my career, I spent a lot of time
19 involved in emergency planning and emergency incident
20 response. So I'd like to focus my comments today on
21 that area. I realize that's not specifically an
22 environmental issue, but I think it speaks directly to
23 quality of life in this county.

24 It's my belief that the cornerstones of
25 proper and effective incident response involve

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1 planning and preparation prior to any incident, and
2 coordination and communication during the incident.

3 As a direct result of Diablo Canyon being
4 here, this county enjoys some of the greatest
5 planning, preparation, cooperation, and communication
6 among any emergency service providers I've ever worked
7 with. There's some obvious advantages. Because of
8 Diablo Canyon, we have one of the most state-of-the-
9 art emergency operation centers in the state, located
10 on the Sheriff's Department grounds just north of the
11 city.

12 It's a facility that provides all
13 emergency service providers, both public and private
14 agencies, the opportunity to get together whenever we
15 have any kind of emergency incident, not just an
16 incident involving Diablo Canyon, and manage that
17 incident in an effective, cooperative manner.

18 Diablo Canyon has also worked with the
19 local emergency service providers to develop what we
20 call the Diablo Plan, which shows how we would respond to
21 any incident that occurs out at the facility.

22 But what I think is equally important
23 about the Diablo Plan is we can use that as a
24 framework for any kind of emergency incident that were
25 to occur in this county. If we were to have a train

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1 derailment, that released significant amounts of a
2 hazardous material in this county, we could go to the
3 Diablo Plan and use that as framework to respond to
4 that emergency in the most effective way possible.

5 Additionally, Diablo Canyon coordinates
6 very regular drills for us to work on our response and
7 mitigation process. Because of those drills, we are
8 much more effective as emergency service providers in
9 this county than any other county I've ever worked in.

10 So basically, I'd just like to say that
11 because of Diablo Canyon, we have what I consider to
12 be one of the best, if not the best, emergency service
13 systems in the State of California.

14 MR. CAMERON: Thank you, Dwight.

15 O.V. Harkee. Mr. Harkee? Are you guys
16 good? Okay. Thank you.

17 Let's go to Peggy Koteen and then Joanne
18 Main and Sheila Baker, in whatever order you want to
19 come up. And this is Sheila; right? Sheila Baker.

20 MS. BAKER: Hello. I am Sheila Baker.
21 Today, I emptied a five gallon bucket of water from a
22 bucket that had some algae in it, and this was on the
23 campus of Cal Poly, and about less than a half a mile
24 from that site is, exists a greenhouse that has been
25 conducting an algae study for bioenergy.

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1 Cal Poly is very proud of this. It's
2 nationally known, it--algae is definitely considered a
3 potential energy source. Alternative energy consists
4 of bioenergy, and wind as well as ocean energy, and
5 solar.

6 I don't agree with those who put nuclear
7 energy in the same category as wind and algae and bio.

8 I am concerned, really, about the waste issue.
9 Actually, there are two very, very not clean, not safe
10 ends of nuclear energy. One is the mining of uranium
11 done in Colorado and Utah, with uranium mill tailings
12 in the water. The other end if the nuke waste as
13 Mothers For Peace, Jane Swanson, has suggested, that
14 there is not really an answer.

15 Before this licensing happens, before this
16 plant is licensed, PG&E and the NRC need to tell the
17 public what they will do with the waste. And several
18 options are out there. Reprocessing, on-site
19 hardening, storage, and barging, and railing, and
20 trucking, and all kinds of things.

21 But I think the--just as the earthquake
22 issue will need to be studied, so will the waste
23 issue. What will happen to the waste? What will PG&E
24 do with the waste? NRC needs to answer this. We need
25 to study it.

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1 Before it is licensed, you need to say
2 what is going to happen to that waste. Thank you.

3 MR. CAMERON: Thank you, Sheila.

4 Peggy, are you ready, or should we go--
5 Peggy. Okay. This is Peggy Koteen. And then we'll
6 go to Joanne Main.

7 MS. KOTEEN: Thank you for letting me
8 speak. I consider myself an environmentalist, and I
9 am terribly conservative about global warming and I do
10 support true, clean energy. I do not see nuclear
11 power as clean. How can it be considered clean when
12 there's no true disposal of the waste? Let's not fool
13 ourselves. There's no Yucca Mountain. And even if
14 there, how could we transport the nuclear waste safely
15 there?

16 I do not want to see Diablo relicensed.
17 It frightens me to hear those people in the audience
18 who have accolades about Diablo because of the jobs
19 they bring here, because of the tax dollars that work
20 to help our schools. You know, recently, it reminds
21 me of a company that's been in the news, a company
22 that we thought was reliable, that had high standards.

23 That company is Toyota. That company brings jobs all
24 over the world, you know, benefits its employees,
25 brings great tax dollars to different places, and I'm

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1 sure their benefit nonprofit groups too.

2 But we now know that that company, Toyota,
3 chose to weight their own profits over human lives.
4 And that might be a few hundred human lives, a few
5 thousand, tens of thousands. Well, what is nuclear
6 waste? What's that risk? Very serious. It's not
7 going to be a few hundred lives, if there's a problem
8 there. It's going to be generations of lives.

9 Now we now more clearly understand the
10 government may have been faulty in their oversight of
11 Toyota. I'm concerned about that with nuclear plants
12 too. So I just want to reiterate that, you know, it's
13 better that we not begin the relicensing process until
14 we have a very secure storage for the rest of the
15 nuclear waste, and there are other alternatives. You
16 know, if we can take individual responsibility for
17 reducing our own, change our own lifestyles to reduce
18 global warming, on a very small minor level, each of
19 us. But if we're looking for energy to make our lives
20 easier, maybe we need to take that responsibility and
21 reduce our own energy consumption.

22 And if that means we need to do that, and
23 not have a Diablo, you know, that's what we need to
24 do. But we can't begin relicensing until we have a
25 clear, solid, secure place for the waste. So thank

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1 you.

2 MR. CAMERON: Thank you. Thank you very
3 much, Peggy. And Joanne. Joanne Main.

4 MS. MAIN: Good afternoon. And I want to
5 thank the NRC for hosting this event today, and to
6 listening to all of our comments and considering them
7 with the mountain of work that you have ahead of you
8 to do.

9 I am currently the president and CEO of
10 the Atascadero Chamber of Commerce. The Chamber is a
11 diverse organization of business professionals working
12 together for a better community. The board of
13 directors developed, adopted and published a public
14 policy guide which provides direction for developing
15 positions on legislation and other public policy
16 issues.

17 The relicensing of the Diablo Canyon Power
18 Plant fits into this policy guide. We believe, in
19 order to maintain a solid economic base, and to
20 compete effectively in this century, we must continue
21 to improve our infrastructure systems, particularly in
22 the area of power.

23 Infrastructure investment provides the
24 foundation for accelerated business growth, capital
25 investment, and improved quality of life.

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1 Issues we would like for you to take into
2 account, in addition to the obvious environmental
3 review, as you review the license renewal of Diablo
4 Canyon Power Plant, are as follows. We'd like you to
5 keep in mind the economic impact on our local economy
6 and schools. We'd like you to keep in mind the
7 effects of local taxes collected. The effects on the
8 local direct employment as Diablo is the largest
9 employer in our county.

10 Atascadero houses many of the workers, and
11 their purchasing power is evident in our community.
12 Finally, investigate the effects on local vendors and
13 contractors that have worked in unison, over the
14 years, to keep the plant operational and safe.

15 I would encourage the NRC to not delay the
16 relicensing process of the Diablo Canyon Power Plant.

17 I know the Diablo Canyon Power Plant operates in a
18 safe manner, always keeps seismic upgrades in their
19 sights at all times, and addresses this issue under
20 their current license.

21 If the plant is not safe, it would not be
22 operating at this time. Please do not delay the
23 process, as a delay would not result in additional
24 safety benefits. Thank you for your time.

25 MR. CAMERON: Thank you, Joanne. Next,

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1 we're going to have Richard Fryer, and after Mr. Fryer
2 we'll have David--and I'm sorry if I don't get these
3 names exactly right--Hafemeister. Sorry. And then
4 after that we'll have Duane Woddell.

5 Mr. Fryer.

6 MR. FRYER: Thank you. I'm Richard Fryer,
7 and these are my own words, that I just hastily jotted
8 them down, so I apologize if it's not as smooth as
9 some of you have been able to bring off.

10 I have MS degrees in physics and computer
11 science. I had a career in aircraft computers until I
12 retired from that, and I taught five years at Cal Poly
13 in the electrical engineering department.

14 First, I'd like to say that I think
15 nuclear power is a very important component of
16 California's energy mix, and I'm pleased that Diablo
17 has played a very safe role in that process. They've
18 got an admirable safety record. I also appreciate
19 NRC's, not only the opportunity to speak here today,
20 but also the due diligence you play in helping keep
21 nuclear power safe for us.

22 Mothers For Peace says that we need to
23 consider the real world, and we need to consider
24 what's real versus what's hypothetical. Well, in the
25 real world, we know that oil and coal-fired plants

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1 have terrible side effects for the environment. Let's
2 see. Coal generates nitrous oxide, puts particulates
3 in the atmosphere, and even--not even mentioning
4 carbon dioxide output--also puts radioactive waste,
5 the ash that's produced.

6 Those are real effects and we know our
7 grandchildren are going to live with those side
8 effects, not the hypothetical ones that what happens
9 if there's a fire in the containment pond.

10 Another aspect of that is that in the real
11 world, we have to consider economics. I also am an
12 investor in solar panels, but I'm aware that if it
13 were not for the taxpayers kindly helping to pay for
14 those, and if it were not for--I don't know if the
15 taxpayers in this case pay for it, or if it's Diablo,
16 or PG&E has to pay for it, but somebody provides the
17 batteries that let me use my electricity at night
18 instead of during the daytime.

19 Were it not for that, I think solar power
20 would cost five times what ordinary power costs.
21 Already, power is almost as much of my budget as my
22 grocery bill. If it jumped five times, I'd probably
23 have to move out of state.

24 I think that's most of my comments here.
25 I would like to also say--unfortunately, I see Adam

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1 Hill has left. I am a constituent of his, and also
2 Lois Capps. If they read their e-mails, they will
3 both know that their requests for delays do not
4 represent what I think my interests are, and I think
5 that any studies that need to be done--and I do hope
6 that such studies are done--that I think those should
7 be done concurrently.

8 MR. CAMERON: Thank you, Mr. Fryer.

9 Next we have Mr. David Hafemeister, and
10 then we'll have Duane Waddell and then Jeff Lewis.

11 MR. HAFEMEISTER: Hi. Good to be here.
12 I'm almost as old as Bill Denneen, and you'll realize
13 that when you hear my talk. It's going to be a little
14 different today.

15 A little bit of history, and then where do
16 I come out today. In 1975, the--not that the United
17 States had a perfect record on nonproliferation, by
18 the way. In 1975, the Germans and the French were
19 about to export six or seven enrichment and
20 reprocessing plants, and it ended up, since I was
21 working initially with Senator John Glenn, who became
22 the lead senator on nonproliferation matters, who had
23 a very large hand of writing the Nuclear
24 Nonproliferation Act of 1978, having hearings with
25 David Lilienthal, Hans Beta, Kissinger, and so forth.

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1 And out of that, the law passed, and I
2 went on into the State Department. And also along the
3 way we passed laws on sanctioning, the big sanction
4 laws, later on, with the Senate Foreign Relations
5 Committee, that sanctioned India and Pakistan for
6 their explosions.

7 So what we did is we killed the plutonium
8 economy, and it was my job to go with the Carter lead,
9 Professor Joe and I, down to Oak Ridge, and Hanford--
10 not Hanford--whoops--South Car--Barnwell, South
11 Carolina, and basically shut down the fast breeder
12 reactor and reprocessing programs.

13 Okay. That's interesting, but what do you
14 do if you don't reprocess, is the bottom line? Our
15 theory then was, of course, that we were going to have
16 a viable Yucca Mountain, and we got laws passed that
17 said you'd have a mill per kilowatt hour to pay for
18 that, and when this policy was rolled out, we had--DOE
19 rolled it out, and it was seven or so DOE people and
20 one State Department person.

21 So that happened 25 years ago, and of
22 course we have above-ground storage. I'm not--if you
23 rank the problems with nuclear power, I believe they
24 are first, proliferation, second, safety, and third,
25 waste.

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1 Now if you want to get rid of nuclear
2 power--now where do I come out in this today, 35
3 years? I've gone on to do other things. Where do I
4 come out today is that--I do want to talk about
5 process. I'm not going to give any bottom lines here.

6 But I think a process has to somehow use
7 quantification, and one of my favorite units is deaths
8 per kilowatt hour. So if you're promoting something,
9 and you've always got to consider the opposite. If we
10 don't do A, we've got to do B.

11 Well, why don't you do a simple
12 calculation, that if you really want to save lives, do
13 that calculation.

14 Now if we want to get rid of nuclear power
15 and you're really a good moral person, you'd say,
16 well, I want to save lives.

17 Well, then you come to a very interesting
18 situation. Should we shut them down near large
19 cities, first, or--I know there's a seismic fault here
20 of course--or in small cities, that somehow you have
21 to rationalize--is this really a local issue, or is it
22 an international issue?

23 Then you can say, well, let's get rid of
24 all of nuclear power. Well, now, then that's 20
25 percent, and remember, we're growing, unfortunately,

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1 at one percent or so a year in electrical growth. And
2 yes, I have photovoltaics on my roof and I've passed
3 laws having to do with alternates, and written books
4 on alternates as well.

5 So those aren't going to come on that
6 fast. So in the transition region, we have this 20
7 percent, 100 gigawatts, that we've got to do something
8 with, and I of course hope it'll go away. But the
9 bottom line, if they all went away, well, I think what
10 else is there but coal. Natural gas, the price has
11 gone too high and the supply isn't as large.

12 So the process is that--in conclusion,
13 please try and quantify as much as you can, in terms
14 of both costs and deaths per kilowatt hours, and also
15 consider more than the local. I consider myself more
16 of an internationalist than a localist, and so I don't
17 know how I'll be received at the next parties I go to
18 after saying this. But that's the way I am. Thank
19 you.

20 MR. CAMERON: Thank you, Mr. Hafemeister.

21 Next, we'll have Duane Waddell. After Mr. Waddell,
22 we'll have Jeff Lewis, and then Andrew Christie.

23 MR. WADDELL: My name is Duane Waddell. I
24 live north of Cayucos, Swallow Creek Ranch. Since we,
25 the public, will be subsidizing this business venture,

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1 we have the right to know if it's a feasible, money-
2 wise investment of taxpayer money. Before you allow
3 the licensing process to proceed, please furnish us
4 with the report containing the amount of public funds
5 already invested in this power plant, from conception
6 to the current date.

7 Then submit costs for the following
8 phases. Licensing process. According to the paper,
9 that was--that will be 85 million. Taking into
10 consideration the age--taking into consideration the
11 age of the plant, please submit an overall operational
12 budget for breakdown, repairs, extra security,
13 etcetera, for the relicensed 25 years.

14 Waste storage report and cost. How much
15 storage of waste and cost has occurred to date? What
16 is the cost and how much will be stored during the 16
17 years left under the current permit? How much waste
18 will be generated? How will it be contained and what
19 cost during the relicense, 125 years and the
20 additional 2000 monitoring years?

21 Please present a cost sheet showing the
22 source of funding, federal, state and new taxes
23 required. After you've completed the budget report
24 covering all the above, please submit an analysis
25 report comparing the cost of relicensing and operating

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1 the nuclear plant, and an alternative wind/solar
2 project that would utilize the PG&E coastal property
3 and the areas below, above, and near the existing
4 infrastructure, power lines that stretch from the sea
5 for over a 100 miles inland.

6 I feel such a safe nonlegal approach will
7 be a much wiser and cost-effective development,
8 especially when the long-term waste containment is
9 factored in.

10 Please send copies of these reports to the
11 San Luis Board of Supervisors, and any other parties,
12 interested parties requesting them.

13 in the ad that you submitted, it said
14 issues that should be considered as part of NRC's
15 environmental review of the license application for
16 Diablo Nuclear Power Plant. I think that should say
17 issues that will be considered. Thank you.

18 MR. CAMERON: Thank you, Mr. Waddell.
19 Next we have Jeff Lewis. Then we'll have Andrew
20 Christie, and after that we'll have Richard Krenzdorf.

21 MR. LEWIS: Good afternoon. My name is
22 Jeff Lewis, and I live in Los Osos. Before I get
23 started, I'd like to state that I am a retired PG&E
24 employee, and I mention that only because when I
25 worked for the company, it was my job to speak to the

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1 public and the media on behalf of PG&E and Diablo
2 Canyon.

3 But I want to make it clear that I no
4 longer speak on behalf of the company and that I'm
5 here representing myself, and I hope some other people
6 in this community.

7 I'd like to thank the NRC for being here
8 and listening to us today.

9 I made a couple a notes on things I heard,
10 that I wasn't going to mention. You know, as far as
11 the used fuel issue, the waste goes, I'd like to have
12 some consideration given to reprocessing, because
13 ultimately--I mean, the rest of the world is going
14 this successfully and it certainly would be a solution
15 to on-site storage which, for the interim, is more
16 than adequate.

17 The other point I've heard, and I kind of
18 agree with, is that I don't see an advantage to
19 delaying relicensing to conduct seismic studies,
20 because there is an ongoing, robust, seismic studies
21 program that PG&E is required to maintain, and it's
22 not some 20-year-old report sitting on a shelf in a
23 three-ringer binder. It's a very dynamic process.
24 And seismic issues should be looked at when they
25 arise, and that's what's happens now.

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1 The notion that I'd like to suggest,
2 overall, for the environmental studies related to
3 relicensing, is pretty simple. Be reasonable and
4 fair. There's a vast amount of evidence, in many
5 studies, which show that PG&E, and its employees, have
6 been good stewards of the land and waters around the
7 power plant.

8 And they should be required to continue
9 that as part of relicensing. As some people know,
10 some of the most beautiful and pristine tide pools
11 that can be found anywhere, exist around Diablo
12 Canyon, and it's because of restrictions on public
13 access and the efforts of PG&E.

14 Those healthy tide pools also help show
15 that the surrounding environment is flourishing. The
16 actions taken by PG&E to preserve and improve the
17 native vegetation and natural wildlife out there could
18 fill a book, if not more. So I would say please don't
19 require any unnecessary, redundant type of studies
20 that may be put forth.

21 The water around the plant is clean, with
22 healthy sea life. I watched, on more than one
23 occasion, humpback whales feeding in front of the
24 plant for hours, along with seals, dolphins, sea
25 gulls, pelicans.

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1 But there is much more than anecdotal
2 evidence. There are volumes of existing documentation
3 and science, showing that any impacts on the
4 environment are minimal.

5 In fact, there's just no way to squeeze
6 electricity out of Mother Nature without some kind of
7 impact on the environment. The question is what can
8 we reasonably do to manage those impacts. Wind power
9 kills countless birds, solar produces hazardous waste
10 materials, and both technologies take up lots of land.

11 But people still support those green
12 technologies. Nuclear is a green technology that
13 produces huge amounts of emission-free baseload power
14 24 hours a day, and I believe that most people want
15 that.

16 And finally, please look at and consider,
17 and weigh, those beneficial effects of providing clean
18 energy for 3 million California residents. And where
19 would you get that clean energy, if Diablo were to
20 shut down prematurely?

21 And consider the fact that PG&E is
22 preserving for the future thousands of acres of land
23 and miles of coastline out there, in what amounts to a
24 nature preserve. Thank you.

25 MR. CAMERON: Thank you, Mr. Lewis. Next

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1 we'll have Andrew Christie. After that, we'll have
2 Richard Krenzdorf, and then Ermina Karim.

3 MR. CHRISTIE: Good afternoon. I'm Andrew
4 Christie. I'm the director of the Santa Lucia chapter
5 of the Sierra Club. In its Applicant's environmental
6 report, operating license renewal stage, PG&E says the
7 following of a marine environmental monitoring
8 conducted in the vicinity of the power plant since the
9 mid 1970's.

10 Quote. Various analysis reports have been
11 consistent in their conclusions, that biological
12 effects of the discharge are mainly confined to Diablo
13 Cove, and diminished with both depth and distance from
14 the point of discharge. End quote.

15 This statement might have been excusable
16 prior to plant start-up, when PG&E dramatically
17 underestimated the plant's impacts on the marine
18 environment, but there is no excuse for it now. The
19 Department of Fish & Game, in terms of PG&E's
20 assertion of minimal, narrow, geographically-limited
21 impacts, has directly refuted that statement.

22 They stated, quote: Overall, the effects
23 of the discharge include loss and degradation of
24 habitat, decreases in several species diversity and
25 intensity, and loss of entire species. It has been

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1 shown that the effects continue to expand beyond
2 Diablo Cove and are greater than predicted.

3 The discharge does not provide for the
4 protection or propagation of species, and does not
5 provide habitat suitable for indigenous species. End
6 quote.

7 Per the Safe Energy Communication Council
8 and the Nuclear Information and Resource Service,
9 reading excerpts from their report, quote: PG&E's
10 original thermal plume pollution predictions were
11 literally off by more than a mile, significantly
12 affecting an additional area, 4.2 miles to the north
13 of the reactor. Where the utility's prediction prior
14 to operation had placed an area 3/10ths of a mile
15 around Diablo Cove at uncertain risk from thermal
16 pollution, the actual impacts from the reactors amount
17 to 1.4 miles of nearly complete loss of habitat in the
18 intertidal zone.

19 Summing up Diablo's effect on this once-
20 vital densely-inhabited marine habitat, Michael
21 Thomas, the regional water board manager for the
22 Diablo Canyon studies said, quote: It's essentially
23 bare rock. End quote.

24 Diablo Canyon's operators were discovered
25 to have withheld information from environmental

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1 regulators for two decades, revealing the true effect
2 of the reactor's hot water discharges. The concealed
3 data included infrared images, indicating more
4 extensive thermal plume concealed in PET zones than
5 previously admitted, and time series photographs
6 showing the progressive deterioration of biologically
7 important habitat in marine coastal waters around the
8 reactor. The damage was catastrophic to the
9 indigenous marine life community, including the near
10 obliteration of the already-threatened black-and-red
11 abalone populations.

12 PG&E was required to reanalyze the effects
13 through an independent review, and settled with the
14 State of California for \$14 million, a fine seven
15 times higher than any fine ever leveled by the Nuclear
16 Regulatory Commission for any violation. End quote.

17 It is a matter of concern, that more than
18 ten years after these findings and events, PG&E, in
19 its environmental report, accompanying its license
20 renewal application, is still attempting to minimize
21 the effects on the marine environment of its nuclear
22 power plant.

23 In preparing its Category 2 site-specific
24 assessment, the NRC should be mindful of this history,
25 and in your consultations with U.S. Fish & Wildlife,

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1 and the National Marine Fisheries Service, ascertain
2 what PG&E's obligations are under the Endangered
3 Species Act, as per the power plant's impacts on the
4 black abalone, which is now, as of 2009, on the
5 Endangered Species list.

6 Mitigations for all of the plant's impacts
7 must fully mitigate impacts of the past, the present,
8 and the future. Thank you.

9 MR. CAMERON: Thank you, Mr. Christie.
10 Richard Krenzdorf. After that, we'll have Ermina
11 Karim. And after that we'll have Mr. Ed Waage.

12 MR. KRENZDORF: Thank you so much. I'm
13 actually going to speak about--well, every time the
14 NRC comes to town, I talk about one subject, and I get
15 a thank you very much, and it goes into the vertical
16 file.

17 I'm pleased--I'm a "happy camper" this
18 afternoon because there's been more people speaking on
19 the issue of safety, and specifically on the emergency
20 plan, than I think I've heard in many years.

21 People who have serious questions with the
22 present setup, such as Jane Swanson who spoke, David
23 Weisman who spoke. People who said everything's fine.

24 The police person who spoke some time ago, the fire
25 person who spoke some time ago say not to worry.

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1 And so I'm very pleased individual, to see
2 this subject being talked about at some length. We're
3 dealing today with scoping, what should be in, as the
4 NRC looks through the wealth of material. What should
5 they be looking at? And yes, within safety, the issue
6 of the emergency plan has, like the phoenix, risen,
7 and I would hope the NRC would take a lot of time.

8 When I come to speak, when the NRC comes
9 here, I speak about the adequacy of our emergency
10 plan. Well, we heard people say that the on-site--I
11 think PG&E said the on-site plan works just fine.
12 Maybe so.

13 The police and fire people say it works
14 just fine. Maybe so. Though they don't know any more
15 than I do. Why? Because drills, including the public,
16 have never been held. I've been an employee, 25 years
17 or more, at Cal Poly. We have 20,000 people there on
18 Monday through Friday, and over those 25 years, and
19 more, zero has been tested, to find out the adequacy
20 of the plan.

21 In Paso Robles, a year or so ago, one or
22 two people died from an earthquake. In San Luis
23 Obispo, we realized the necessity of upleveling, and
24 therefore the retrofit program is going on.

25 And then there are the events around the

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1 world, most recently in Chile, and then in China, and
2 so on and so forth. But we remain dumbstruck in terms
3 of making sure that we have an emergency plan that's
4 worth the paper that it's been written on.

5 And so I ask the NRC to make it as a
6 condition of going ahead, one of many, the condition
7 that full tests of the emergency plan involving
8 individuals, and not just officialdom, be held at my
9 university, in different communities in the county.
10 Otherwise, we're blowing smoke, and it's time that we
11 find out, in the event of an emergency--the odds are
12 against it--but the whole idea is what happens if it's
13 needed, what kind of program do we have?

14 And that we don't find out some time in
15 the future--whoops--sorry we didn't conduct that, we
16 didn't realize. And so I want to emphasize again,
17 that the NRC, in its scoping, look at the adequacy of
18 the emergency plan, not just on paper, not just for
19 officialdom coming in here, but actually testing it.
20 Schools, hospitals, etcetera, etcetera. Without that,
21 as I said before, we're simply blowing smoke.

22 Thank you so much for giving me the time
23 to speak to you this afternoon.

24 MR. CAMERON: Thank you. Thank you, Mr.
25 Krenzdorf. Ermina Karim.

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1 MS. KARIM: Hi. Good morning. Or good
2 afternoon. Sorry. Ermina Karim. I'm here today
3 representing the San Luis Obispo Chamber of Commerce
4 and our roughly 1500 small business members within the
5 region. I'd like to thank the Nuclear Regulatory
6 Commission for the opportunity to provide input today.

7 The San Luis Obispo Chamber of Commerce
8 believes that our community's quality of life, which
9 is the basis of our great economic prosperity, is
10 predicated upon, among other things, our clean air and
11 water, our healthy and balanced economy, our excellent
12 schools, and of course as a mother of a 4-year-old,
13 our great personal safety.

14 But better speakers than I have already
15 addressed safety in schools, so I'll focus my comments
16 on the environment and economy.

17 Our Chamber is very focused on the urgent
18 need to reduce fossil fuel consumption, minimize our
19 community's GHG emissions, and are very active in
20 promoting business involvement in energy and resource
21 conservation. To this end, PG&E has been a tremendous
22 community partner in this effort.

23 For this reason, we would like to better
24 understand the air quality emissions that would result
25 from replacement power. And like many other speakers

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1 today, we are focused on the economic impact that
2 Diablo Canyon has on our community in the way of
3 taxes, direct and indirect employment, and of course
4 considerable charitable activities that the plant
5 currently has on our local communities.

6 We look forward to better understanding
7 the social, environmental, and economic impacts, and
8 we thank you again for the opportunity to comment.

9 MR. CAMERON: Thank you, Ms. Karim. Next
10 we'll have Ed Waage. I'm sorry. I'm probably not
11 getting that right.

12 MR. WAAGE: It's "Waggee."

13 MR. CAMERON: "Waggee." Thank you. After
14 that, we'll have Shelly Higginbotham and then Joe
15 Boysen.

16 MR. WAAGE: Good afternoon. I'm Ed Waage.
17 I'm also on the city council for Pismo Beach but I am
18 speaking on my own behalf. I'd like to touch on three
19 benefits of Diablo Canyon to our local community and
20 to the State of California. The first is it does
21 complement California's push for solar power. I
22 installed solar panels on my rooftop about two and a
23 half years ago, and at nighttime, the sun sets and I
24 have no solar power. I rely on, for example, baseload
25 power, like Diablo Canyon, for my nighttime

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1 electricity. During the daytime, solar provides
2 additional energy when we have the peak load times
3 during the day. So it's a nice complement between
4 nuclear and solar.

5 Especially in 2024, when the current
6 license is up, we will need even more baseload to take
7 care of the nighttime, when there is no solar power
8 available.

9 Also the community is much better
10 prepared, as several others have mentioned, because of
11 Diablo Canyon. I think especially our own city is
12 much better prepared, because of additional planning
13 and preparedness that we've undertaken for Diablo
14 Canyon.

15 Also, our local economy is much better off
16 from Diablo Canyon. There's large numbers of very
17 well-paying jobs as well as additional stays in our
18 hotels, and people dining in our restaurants during
19 outages.

20 I would ask also that you do not delay the
21 licensing process because of the newly-found
22 earthquake fault. I think those two processes can go
23 forward in parallel.

24 And finally, on the issue of reprocessing,
25 even Energy Secretary Chu has stated that reprocessing

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1 is something we should look at in the future, and I
2 know France and Japan are also doing that. It's
3 probably the best, the very best solution. Thank you.

4 MR. CAMERON: Thank you, Mr. Waage. Next
5 we have Shelly Higginbotham. After that, we'll go to-
6 -we just got a new one, Ms. Lawver. And then the last
7 speaker we'll have is Mr. Boysen.

8 MS. HIGGINBOTHAM: Good afternoon. I'm
9 Shelly Higginbotham. Thank you for the opportunity to
10 speak. When considering the relicensing, I'd like you
11 to consider these comments. The 20 year record of
12 Diablo Canyon. I've lived in the community for 30
13 years. I've raised my children here. I live
14 downwind. So I'd like you to consider the 20 year
15 record. The catastrophic implications, economically,
16 should the plant case to exist, and they've already
17 been addressed here, from the employment base, the
18 school districts, the tax base, and it's just not
19 coastal, it affects Lucia Mar, and it affects Paso
20 Robles, and we just read about that in the paper
21 today, and we'd be very naive not to consider the
22 economics of this plant.

23 The benefits of having inexpensive and
24 reliable power, that we all enjoy every single day.
25 And how will we substitute that power of 3 million

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1 homes? How do we substitute that in a short amount of
2 time? Please consider that.

3 I am hopeful that you will allow the
4 relicensing process to continue while the seismic
5 investigations are continuing. They should be
6 parallel. And there was a comment, a few minutes ago,
7 from a gentleman about safety drills, and in Pismo
8 Beach, I did participate with our emergency
9 operations, and I can assure you that they are an
10 ongoing process with Cal Fire, with Diablo Canyon,
11 with all of the emergency personnel, in coordination
12 with the schools, and we have put our whole Public
13 Works Department online, and they've gone to
14 evacuation sites, and it is rehearsed, it is
15 practiced, and it is constantly ongoing, and we are
16 hyper-vigilant in that. So thank you very much.

17 MR. CAMERON: Thank you, Ms. Higginbotham.

18 Next we're going to have Ms. Lawver, and then Mr.
19 Boysen. We're going to finish up with Mr. Boysen.
20 After Mr. Boysen, Dave Wrona from NRC is going to sum
21 up for us.

22 Ms. Lawver. I hope I'm getting that name
23 correct too.

24 MS. LAWVER: Perfectly. M.C. Lawver,
25 citizen, resident, San Luis Obispo County. I came

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1 here today speaking, regarding license renewal. It
2 reminds me of us objectors to the nuclear chain in the
3 industry, and Diablo Nuclear Station, that we opposed
4 licensing in the beginning. We remember Hoskins and
5 Griffith, Hosgri Fault namers, United States
6 Geological Survey, Union of Concerned Scientists as
7 against Diablo as a site of seismic concern.

8 The NRC, Public Utilities Commission,
9 Council of Governments, and PG&E, go along forming
10 thermally-intense fission products, appropriately
11 three miles from the Hosgri Fault on the Ring of Fire,
12 till today.

13 As a person who does oppose licensing
14 renewal, I'd like to speak to the fact that one 1000
15 megawatt reactor, such as Diablo, creates 500 pounds
16 of plutonium per year. Operating two reactors, two
17 1000 megawatt reactors at that site, on the average,
18 makes a 1000 pounds of plutonium a year.

19 Since 1984, the nuclear industry, you,
20 have made approximately 13 tons of plutonium, which
21 sits on the Ring of Fire, on the Hosgri Fault, and the
22 new fault.

23 No more plutonium production; no more
24 license. Promoters in the nuclear industry say that
25 no deaths result from this ionizing radiation

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1 continuum. Objectors and researchers seek
2 epidemiologists, cancer registries and mortality
3 records, anything relating to biological results of
4 environmental exposure.

5 We find agencies and the industry working
6 together. Who will show documents of true exposure,
7 mortality results? Please, no license renewal.

8 Please understand, as living souls,
9 nuclear radiation, as medically contraindicated for
10 biological units, and life forms. Medically
11 contraindicated. 24/7, routine releases from a
12 nuclear facility, low level, high level, however you
13 want to term it, however you want to quantify it--
14 rads, curies. Effluent and environmental exposures
15 result in because for concern. Inform yourselves by
16 reading Dr. Helen Caldicott, Dr. Rosalie Bertell, Dr.
17 Sternglass, Harvey Wasserman, Coughman. No license
18 renewal. End safety concerns. End fission ionizing
19 radiation products in the nuclear chain.

20 Thank you for allowing public comment. I
21 appreciate this, part of the democratic process, very
22 valid in this community, in this society.

23 MR. CAMERON: Thank you, Mr. Lawver. Next
24 we'll have Mr. Joe Boysen, and we're going to have one
25 more, Ms. Willow Walking Turtle will speak after Mr.

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1 Boysen. Then we'll go to Dave Wrona.

2 Mr. Boysen.

3 MR. BOYSEN: Thank you. I want to warn
4 all of you that I'm not ready for primetime. I'm not
5 an experienced speaker and I'm not very well
6 organized. My name is Joe Boysen. I live in Sunset
7 Palisades, which is where I have lived--my wife and I,
8 Mary, have lived for 22 years with our son Dane. And
9 I have quite a bit to say. I hope you allow me to say
10 some of it. I'm going to try to talk faster than I
11 usually do.

12 And this is kind a going to be jumping
13 around. I wanted also--I want to admit that I'm no
14 green, sixties flower child, and I'm not liberal. And
15 having said all that, I'm very much against this
16 license extension, and I'm very much against the
17 continuation of Diablo Canyon, in fact, any of the
18 other power, nuclear power plants for one moment
19 longer.

20 So I have a definite--I didn't enter this
21 with a bias, I don't believe, but I've become
22 interested over the last few months, and it's been an
23 interesting experience.

24 For the good of the order, I would like to
25 suggest that there be future meetings, and that they

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1 be one meeting and not two meetings. I think the
2 media tends to cover this afternoon meeting, and I'm
3 very disappointed with the turnout. Last time, the
4 evening meeting, which the media did not cover, was
5 much better attended.

6 We feel like we have to go to both
7 meetings. I think, in some sense, there's a "divide
8 and conquer" element happening here, which is
9 certainly not intended. But I think there should be
10 one evening meeting, which more likely would be one
11 that could accommodate us, so that as a community,
12 we're at least together.

13 I want to comment that by my count, I'm
14 speaker number 29, and I would say that there's been a
15 sizeable number in favor of, more or less in favor of
16 PG&E and in favor of Diablo, and so forth, and I do
17 have the feeling that it was, there was some
18 orchestration going on here.

19 We've heightened our effort. I tried to
20 place an ad in the Tribune to stir up some more
21 attendance, and that ad was heavily censored, I'm
22 sorry to report.

23 I want to commend Adam Hill for coming
24 here today and for staying as long as he did. One of
25 the gentlemen said that he was going to protest that.

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1 Well, the other side of the coin, I'm very thrilled
2 by that and by the congresswoman's letter.

3 On this question of nuclear power, these
4 nuclear plants are unsafe, under any circumstances.
5 We are playing Russian roulette with Murphy's Law.
6 This is the most dangerous technology in human
7 history.

8 In our case, we're playing Russian
9 roulette with Mother Nature. We live where we live.
10 A history of tidal waves, of tsunamis. 1878 wiped out
11 Avalon. 1907 destroyed the power plant where I live
12 today. These, and other instances, which doubtless
13 are available to one who studies such things.

14 I won't even mention the earthquake thing.
15 You know, it would seem like this is--we don't even
16 need to have this meeting after what happened in
17 Chile. I would say that of the speakers here, many of
18 them were people--this is a county that has a lot of
19 government employees, and retired government
20 employees, and I think that the NRC should take that
21 into account. And there are people who--and by the
22 way, in all these things, the good people, good people
23 at the Tribune, good people at Diablo, good people on
24 the NRC, good people on the Safety Committee.

25 So none of these comments are directed at

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1 any of those individuals, and it's a question of
2 disagreement.

3 This earthquake business. The tsunamis.
4 Spent fuel is forever. We're funding something on a
5 completely insane basis of--we're creating something
6 far into the future which we don't know how to handle.

7 This business about the 20 percent
8 argument. We're using power, way too much power, that
9 we don't need anyway, and we're doing it to fuel a
10 runaway growth situation where we have 300 million
11 people instead of maybe the 240 million which, at
12 most, we should have. And if we didn't have those
13 extra people--and those of us who have been fighting
14 growth--we wouldn't have those people, and close our
15 borders, and so forth--we wouldn't have the power
16 need.

17 Diablo funds excessive growth. The
18 alternatives. There's plenty of alternatives, and I
19 want to point out in this business of global warming
20 and the carbon argument, there's two different
21 arguments there, whether global warming's occurring or
22 not and what role carbon has in it.

23 And there's a small body of scientists who
24 are routinely shut off. There's a recent movie on
25 this on Sundance channel, who maintained that the

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1 carbon argument is not what's causing the global
2 warming, since the carbonization has been going on
3 heavily since 1940, and this warming didn't occur
4 until after that.

5 Rich PG&E. We're the ones who are rich.
6 We're the sovereigns. We're the land owners here.
7 PG&E is rich because they've gotten it from us. We
8 don't have to adopt a war economy, or a broken glass
9 economy, or employ our daughters as streetwalkers in
10 order to be able to have a future. We're the rich
11 ones, not PG&E, so we oughtn't go hat in hand to PG&E.

12 Of course they've been good citizens.
13 They're good people. What would you expect? But it's
14 our wealth. This "carbon bashing," I've mentioned. I
15 call it "carbon bashing theology." Jobs argument.
16 Ditto.

17 We have what we have. In fact,
18 everybody's "on the ropes." The Tribune's on the
19 ropes. The Tribune was a strong organization when I
20 came here in '88. So in what way have they gained
21 from this wonderful economy? And the man said that he
22 can barely afford the power he already has. Well, why
23 is the power so expensive, if everything's so
24 wonderful? While I'm on it, the fellow who--Walsh, I
25 guess it was, he made it sound like there wasn't any

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1 problem with these, this storage question.

2 Well, if there's no problem, what are we
3 talking about?

4 MR. CAMERON: Excuse me, Mr. Boysen. If
5 you could, please just go ahead and summarize.

6 MR. BOYSEN: I'm trying to.

7 MR. CAMERON: Thank you.

8 MR. BOYSEN: I'm trying to. Tax revenue.
9 And don't be hurrying us. We're the sovereigns here.
10 There is no hurry. The hurry is coming from the
11 process. You are our representatives, NRC. You work
12 for us. You don't work for PG&E.

13 Tax revenue argument. The costly cleanup.
14 I want to get this--

15 [Clapping]

16 MR. BOYSEN: Good; do it. Costly cleanup.
17 What kind of a cleanup will it be, if we have to do
18 it in a negative environment after a disaster has
19 happened? Think of that. What I'm recommending is
20 that we decommission all of these plants, but
21 particularly this one where we live, and that we
22 dismantle it.

23 The cleanup can occur in an orderly
24 fashion now. I can't even tell you what it would be
25 like, if we were in a post-tragic environment. Just a

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1 second. There's terrorism. I won't go into that.
2 But that's an obvious point, that terrorism is so
3 frequently used as an argument to take more freedoms
4 from us.

5 I would question the timing of the
6 application and the degree of orchestration vis-a-vis
7 this business of the Obama plan to reinvigorate and
8 build a bunch more on kind of a "dirty '30s" make-work
9 public employment project. Everybody's using this
10 jobs situation as an excuse to do these things.

11 The plant wouldn't be legal now--licensed
12 now. Why extend a license which wouldn't be granted
13 now? If it weren't safe, they wouldn't be operating.

14 Well, I'll let--one of the speakers said
15 that. That I hope that this can be evaluated in the
16 way in which it was said.

17 We have illegal cars, like the Volkswagen.
18 You don't let them permit--permit them to be
19 manufactured anymore.

20 What about illegal plants? Shouldn't
21 there be illegal plants, that you permitted once but
22 no longer? We have cars that can't be made. You have
23 to buy an old one. Okay. Well, the same thing should
24 apply to nuclear technology.

25 Living within our means versus unbridled

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1 growth. That goes without saying, and it goes without
2 saying as far as energy.

3 Reprocessing isn't an answer. The
4 reprocessing leaves 90 percent. I think there's been
5 some orchestration here. I mention that--one-legged
6 birds versus pristine tide pools. One-legged birds.
7 Where do we see the one-legged birds? Well, maybe
8 they're all extinct by now, but they used to be down
9 at--what is it? Fat Cats. The birds down there were
10 one-legged birds, and that was a result of, you know,
11 birth defects. I say it--maybe you remember the one-
12 legged birds. You still seeing the one-legged birds?

13 A government county, tide pools. We are,
14 again, the sovereigns, and I--we got to keep this
15 alive. This is not okay. Suppressing ads, and so
16 forth is not going to be a permanent thing. We're
17 going to be organized, we're going to be here, and we
18 want--I want to hear an assurance from you that this
19 process is going to remain open, and not rush to a
20 judgment.

21 Again, will you brief the people tonight
22 on what they missed today? I think that ought to be a
23 routine part of this, since you have had two meetings,
24 so that they are acquainted with what was said today.

25 And with that, I thank you. I may eventually have to

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1 go to jail over this, but I don't think it will be
2 today.

3 MR. CAMERON: Thank you, Mr. Boysen. Next
4 we have Ms. Willow Walking Turtle, and after her, we
5 will entertain one more, Ms. Tracey Vardas.

6 MS. KELTEY: I have my turtle here, so you
7 hear a turtle speaking. I dedicate this to all the
8 turtles who might be out in the ocean, dying of
9 ionizing radiation in different parts of the world.
10 Also I want to thank Mr. Boysen. He took a lot of my
11 ideas, and I'm glad he said them. I stand on a giant,
12 and I appreciate that.

13 I also dedicate this to my father who's a
14 vet in the Second World War. He went to Hiroshima and
15 Nagasaki and "mopped up," what they called "mop-up."
16 They didn't have any kind of protective gear. He
17 came home, and about 17 years later, he died of
18 lymphosarcoma from the exposure that he got at
19 Nagasaki. Clean up. Mop up.

20 I'm going to give you a poem. You've
21 probably heard this before. I don't want to stay
22 long.

23 "Humankind did not move the web of life.
24 We will remain a strand in that web. Whatever we do to
25 web, we do to ourself." It's a quote from Chief

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1 Seattle in 1850.

2 I feel that nuclear power violates,
3 tremendously, the web of life. And Einstein, the
4 father of relativity, made the statement: Splitting
5 the atom changed everything, save people's way of
6 thinking.

7 So I think we all need to start changing
8 our way of thinking, and not supporting a form of
9 energy that poisons the whole planet. I thank you,
10 choose safely.

11 MR. CAMERON: Thank you.

12 Next we have Ms. Tracey Vardas, and then
13 we'll finish up with Mr. David Wrona.

14 MS. VARDAS: Thank you for allowing me to
15 speak. My name is Tracey Vardas, and some of you may
16 have remembered me as working for the San Luis Obispo
17 County Office of Emergency Services. And I hope that
18 when I tell you that I'm currently a employee of the
19 Pacific Gas & Electric Company, that you don't lose
20 faith in what I have to say to you, because I
21 partnered with many of you for Mothers For Peace, and
22 Nuclear Alliance For Energy--sorry, I may have gotten
23 that one wrong--when we've done our emergency drills
24 and to provide you some information.

25 But what I'm doing today is talking as a

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1 PG&E employee, not a PG&E spokesperson, and also as a
2 member of the community. I live in Pismo Beach,
3 again, directly downwind of Diablo Canyon Power Plant,
4 where I have two--I guess I can't say they're young
5 anymore, they're 12 and 10; but they're still young.

6 They go to school in the CMR Unified
7 School District. My husband is a council member for
8 the city of Pismo Beach. We're highly invested in
9 this community.

10 What I have to bring to you tonight is the
11 fact that I have 16 years as an emergency manager
12 under my belt, at both working--multiple places,
13 actually.

14 I started with the State Office of
15 Emergency Services where I dealt directly with
16 facilities that handle and process hazardous
17 materials. Those facilities are responsible to report
18 those materials they have on site, and if they have
19 the potential to cause harm to human health and the
20 environment, and if they think that they have that
21 potential, and if they may have spilled it, then they
22 have to report that information to the State of
23 California and to the local certified, unified program
24 agency.

25 I was directly involved in writing those

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1 regulations and implementing them.

2 A lot of times we'd get a question: I had
3 a spill. Do I have to report it? Well, do you feel
4 it has the potential to cause harm to human health or
5 the environment? If they said no, they didn't have to
6 report it. If it was then found to cause a potential
7 for human health--harm to human health and the
8 environment, then they could be fined.

9 But it would come across, if people
10 happened to discover it, maybe when they went to get a
11 building permit.

12 What I have found since working with
13 Diablo Canyon is not only do they have to report when
14 they feel an earthquake, or if they have spilled
15 hazardous materials, but they have to report
16 everything that they do, to protect this population.
17 They have to drill on that ability to protect this
18 population, not only within themselves, but also
19 outside with the community.

20 So that gives me a very strong commitment,
21 that we have the ability to protect the population of
22 San Luis Obispo County. I didn't leave the county
23 Office of Emergency Services because I was unhappy or
24 because I didn't think things were going well. I left
25 because I feel that this company, PG&E, has an

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1 extremely strong work ethic, and I like their views
2 and policies on safety.

3 I felt that I could contribute, as an
4 emergency planner, to Diablo Canyon, to continuing
5 those policies and those views on this side of the
6 bench rather than the other side.

7 I'm also very proud of the work that PG&E
8 does in the community. I have a lot of community
9 services that I do. I work with Public Health
10 Department in providing Christmas gifts to local at-
11 need children. I work on a homeless dinner on
12 Christmas Day with my family.

13 And one of the things, as soon as I came
14 on to PG&E, I was given the ability to work with our
15 employees and our company on those efforts. So they
16 supported me, in my own personal efforts to work in
17 the community, by matching what we were doing.

18 So I'm really proud of the work that we do
19 in this community, and I believe that on a daily
20 basis, we're looking at our seismic ramifications on
21 any of the new studies that are out, and of our
22 environmental impacts, and I believe that we should
23 continue with relicensing, and that it should be
24 concurrent to the current studies, and that we will
25 continue to be a good partner with this community.

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1 Thank you.

2 MR. CAMERON: Thank you, Ms. Vardas.

3 Next we'll have Dave Wrona. Dave, if you
4 can sort of tell us what you heard.

5 MR. WRONA: I'm not going to summarize
6 everything we've heard tonight, but I do want to thank
7 you all for coming out, taking time out of your busy
8 day to participate in our environmental scoping
9 process. All of the comments that you've provided us
10 today will help us define the scope of our
11 environmental review. The comments will all be
12 addressed in our Environmental Scoping Summary Report,
13 which will be publicly available.

14 If you provided us your contact
15 information on one of those blue or yellow cards, we
16 will mail you a copy of that report.

17 Just a reminder. Coming up and speaking
18 here tonight, or providing us with written comments is
19 not the only way to provide comments to us. If you go
20 home tonight and a speaker prompted you to come up
21 with additional information--Drew had the slide up
22 there with information on mailing comments to us, or
23 e-mailing comments to us. We'll take those comments
24 until April 12th.

25 This isn't the last time that you'll be

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1 able to comment on the environmental review process.
2 You'll be able to see how we've, besides addressed
3 those comments, how we've analyzed those things in our
4 Environmental Impact Statement. We'll publish a draft
5 around the October timeframe, and we'll be out here
6 again in December, asking again for your comments on
7 our draft Environmental Impact Statement.

8 It'll be a meeting very similar to this.

9 And with that, I'd just like to thank you
10 all again for taking the time, and providing us with
11 some very thoughtful and detailed comments.

12 [Whereupon, at 4:20 p.m., the
13 public meeting was concluded.]
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