

Transcript of the Proceedings of:  
**PUBLIC MEETING ONLINE WEBINAR**

PG&E DIABLO CANYON DECOMMISSIONING ENGAGEMENT PANEL

December 14, 2022



**I M A G I N E**  
R E P O R T I N G

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ONLINE WEBINAR

ZOOM VIDEOCONFERENCE

WEDNESDAY, DECEMBER 14, 2022

6:00 P.M. - 7:39 P.M.

REPORTED BY ABIGAIL R. TORRES, CSR, RPR, RMR, FCRR

1 DIABLO CANYON DECOMMISSIONING PANEL:

2 Chuck Anders, Facilitator

3 Charlene Rosales, Panelist

4 Maureen Zawalick, Panelist

5 Bruce Severance, Panelist

6 Will Almas, Panelist

7 Linda Seeley, Panelist

8 Scott Lathrop, Panelist

9 Kara Woodruff, Panelist

10 ALSO PRESENT:

11 Siva Gunda Commissioner,  
12 California Energy Commission

13 Dr. Robert Budnitz, DCISC

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FACILITATOR ANDERS: Good morning, everyone.

My name is Chuck Anders, and I am the facilitator of the Diablo Canyon Decommissioning Engagement Panel, and I would like to welcome everyone to this informational meeting. I want to remind people that the information with regard to the panel and questions that were submitted to the panel prior to this meeting can be viewed at the Engagement's Panel website at [diablocanyonpanel.org](http://diablocanyonpanel.org).

To begin the meeting, I would like to turn it over to one of our panel members, Charlene Rosales.

PANELIST ROSALES: Thank you, Chuck.

So, good evening, everyone, and thank you for joining the Engagement Panel this evening. We're glad you're here and online with us to learn more about the extended operation of Diablo Canyon Powerplant beyond 2025.

As usual, we first begin with our safety moment and some holiday tips for the coming weeks. So, you can stay safe on the roads over the holidays and every day by keeping an emergency kit with you, getting a good night's sleep before departing to avoid drowsy driving, and always buckling up, and putting the cell phone away. The U.S. Consumer Product Safety Commission suggests decorating safely by keeping potentially poisonous plants like mistletoe, holly berries, and amaryllis away from children and pets. If using an artificial tree,

1 check that is labeled "fire resistant," and remove live trees  
2 from your home when it is dry. Turn off all lights, candles,  
3 and decorations when you go to bed or leave the house. And  
4 last, watch out for other fire starters by placing candles  
5 where they cannot be knocked down or blown over, using  
6 flameless candles near flammable objects, and avoid burning  
7 trees, wreaths, or wrapping paper in the fireplace.

8 Now, on to why we're here: an informational meeting on  
9 extended operation of Diablo Canyon Powerplant beyond 2025 as  
10 it currently relates to Senate Bill 846. SB 846 provided a  
11 financial and regulatory pathway to continue operations at the  
12 powerplant beyond the scheduled shutdown of 2024/2025 to  
13 support California's climate goals.

14 While the legislation provides a pathway, there are  
15 numerous activities and approvals that must be accomplished  
16 before Diablo Canyon would be able to continue operations  
17 beyond those years. Since the passage of the State bill, there  
18 has been relatively little information released to date  
19 regarding the -- regarding the status of these activities.

20 One of the primary responsibilities of this Engagement  
21 Panel is to keep the public informed on decommissioning,  
22 related requirements and events, so the Panel's hosting this  
23 online meeting to update the community on the implementation  
24 status of SB 846 and the -- and the implications on  
25 decommissioning activities and the decommissioning schedule,

1 such as for repurposing, land use, and environmental  
2 permitting. The meeting will include presentations by PG&E,  
3 the California Energy Commission, and the Diablo Canyon  
4 Independent Safety Committee.

5 Prior to the meeting, the Panel solicited comments  
6 from the public regarding SB 846 so that the presenters could  
7 incorporate responses to the community's questions and comments  
8 into their presentations tonight. There will be no public  
9 comment period at this meeting as, again, it is meant to be  
10 informational until more -- more details for the path forward  
11 become available to us and the public in the coming months.

12 PG -- PG&E has also prepared a summary of SB 846 and  
13 the current status of activities, along with a number of  
14 answers to frequently asked questions. This webinar is being  
15 recorded and can be viewed at the Panel's website after the  
16 meeting, and a written transcript of the webinar will also be  
17 available in the coming days. All these resources are  
18 available on the panel website.

19 We encourage members of the community to continue to  
20 submit comments through the "Engagement Panel's Public Comment"  
21 form, which is also available on the panel website at  
22 [diablocanyonpanel.org](http://diablocanyonpanel.org).

23 We received over 30 public comments on topics, maybe  
24 more, as the afternoon went on, including -- these topics  
25 included nuclear waste, safety, the role of various state

1 commissions, staffing of the plant, the -- the re-licensing  
2 process, and environmental impacts and opportunities. These  
3 comments were reviewed by the Panel and the speakers so they  
4 could address those in the speaker presentations and the Panel  
5 members' comments this evening.

6 Before we move on to our guest speakers, I will open  
7 it up to the Panel for any thoughts on the submittals we  
8 received from the public.

9 No comments, initially. All right. We will have time  
10 at the end for that, as well.

11 So our next agenda item is the overview of SB 846 by  
12 the California Energy Commission. Topics include funding,  
13 accelerated permitting, conservation, and economic development.

14 So I'd like to welcome Commissioner Steve Gunda for  
15 joining us, and I will turn it over to you.

16 So thank you, Vice Chair Gunda.

17 COMMISSIONER GUNDA: Thank you so much for having the  
18 CEC here. I'm -- am I okay to share the slides from my end  
19 or -- that's okay?

20 FACILITATOR ANDERS: Yes. Go ahead.

21 COMMISSIONER GUNDA: Thank you. Just a moment. Thank  
22 you so much.

23 Are you able to see the slides?

24 MR. LLOYD: Yes, we are.

25 COMMISSIONER GUNDA: Thank you. Thank you again so



1 much for having the CEC.

2 We did go through some of the comments, and I will try  
3 to summarize some of them in the presentation, but look forward  
4 to the continued discussion. I'll make myself available  
5 through the end of the -- our meeting today to answer further  
6 questions from both the Panel and the public.

7 So with that, I wanted to start just with the quick  
8 kind of overview of kind of why the 846, 205, 209, and a bunch  
9 of other legislations have been set up or enacted over the last  
10 summer. And just a quick -- quick kind of update, review --  
11 updated liability challenges that the -- the State has  
12 currently been experiencing.

13 So this is -- the way I'm going to talk to you is that  
14 it's a -- it's an amalgamation or a compounding effect of  
15 climate change under the liability. So here's the first part  
16 in a -- this is just kind of a way to explain. And in order to  
17 meet our planning standards, meaning, you know, we estimate the  
18 demand over the next 10 to 15 years in most of our work at CEC  
19 and PUC, the estimated demand and the CPUC goes ahead and  
20 authorizes a certain amount of procurement to ensure that we  
21 are meeting that levels of demand, and there are some planning  
22 standards which we do.

23 So the first part is what I'm kind of showing there,  
24 is the amount that we have to typically put in. What's  
25 happening recently is kind of the struggle with covering

1 changing conditions. So, typically, the procurement process  
2 takes about two years from start to end, and during that time,  
3 the initial conditions under which we developed the planning  
4 would change, and so the procurement that the CPUC authorizes  
5 doesn't necessarily capture the latest demand or latest climate  
6 impacts and such.

7           So the top little, you know -- that title that you're  
8 seeing is what we say is the amount that we end up not  
9 procuring. On the top of that comes, you know, the struggle  
10 with -- like, even after you authorize the procurement, are you  
11 able to build fast enough?

12           And the challenges with building fast enough comes  
13 from a variety of things that includes interconnection issues,  
14 permitting issues of new technologies and resources. It also  
15 comes from global supply-chain issues, a number of changing  
16 conditions in the market.

17           So there's always a little struggle with completely  
18 meeting the procurement that we authorize. So even if we plan  
19 to the standards, and even if were to authorize the procurement  
20 and build to it, the extreme (indiscernible) that we are  
21 watching right now is almost impossible to capture in the -- in  
22 the procurement we do.

23           And, oftentimes, the procurement has to balance with  
24 the ratepayer impact. So if you build for those extreme events  
25 that are only for 20, 30 hours a year, you know, it becomes

1 really expensive for the repairs, and then you have to figure  
2 out other ways to cover them.

3 And, finally, the drought -- continued drought, you  
4 have limited levels of hydro production in any given year.  
5 Sometimes it's not really clear about our reservoir levels  
6 until April of a given year. So that's something that could  
7 change within a year of our outlook before the summer. And  
8 then fire events -- a big fire could knock out a transmission  
9 line on a generator, and we lose thousands of megawatts in a  
10 minute.

11 So what happened, you know, earlier this year was,  
12 like, really articulating those coincidental risks that we have  
13 in both meeting our planning standards but also the inability  
14 to build fast enough and cover these extreme conditions.

15 And what you're seeing at the top, you know, is really  
16 the -- the illustration of how much more resources we need in  
17 typically covering these reliability risks around needed peaks.

18 So the legislature then did four different bills that  
19 all kind of work together to help address the -- as stated,  
20 it's a number of tools, and 846 is one of them, and I'm going  
21 to cover that in detail.

22 But before I go in there, just a high level, within  
23 the 205 and 209 bills, it's primarily around providing the  
24 agencies with additional money to shore up additional resources  
25 beyond the planning that can help with the middle peaks coming

1 from extreme heat, drought, or fires.

2 It also provide a pathway for opt-in permitting to --  
3 with the spirit and goal of accelerating and permitting and --  
4 more projects. And then it provided also long-duration storage  
5 energy money, and then requested Energy Commission to develop a  
6 reliability report.

7 209 furthers some of those core issues and also  
8 provides additional funding for offshore wind and such. But,  
9 anyway, 205, 209 is primarily around helping -- how do we clean  
10 up quickly, providing resources, but also developing some of  
11 these funds to develop -- to support emergency peaks.

12 846, on the other end, provides some key issues which  
13 is, it sets in motion the analysis, conditions, and  
14 requirements necessary for an extension of the Diablo Canyon  
15 Powerplant through 2030, and it fundamentally has two  
16 objectives: tasks State agencies with determining the prudence  
17 of the extension, taking into consideration our reliability  
18 issues, as well as cost effectiveness and GHG goals; and, also,  
19 given the timing constraints of extending a nuclear powerplant,  
20 which has a lot of regulatory hurdles to jump through, provides  
21 the Agency's direction to take the relevant steps to keep the  
22 option of extending Diablo open beyond '24 and '25.

23 And then, finally, the extension is pursued that it  
24 directs primarily to CPUC to take actions to ensure ratepayer  
25 benefit, protection, and safe operations.

1           So then just kind of going into the top line, there is  
2 about 40 different activities. It's a very large bill. It  
3 directs, you know, enabling steps. It takes into account  
4 analysis. It takes into account agreements -- all sorts of  
5 things. But we have CEC, CPUC, DWR, and CNRA, primarily having  
6 multiple tasks to do and lead them, but then you also have  
7 CAISO, State Water Board, DOF, and a number of other entities  
8 called out specifically as part of 846.

9           Going into CEC tasks first, so CEC has to develop a  
10 reliability planning assessment which underpins the discussion  
11 around what is prudent to extend Diablo.

12           On the top of that, CEC has also given an opportunity  
13 to develop reliability, clean energy reliability investment  
14 plan of about a billion dollars to accelerate the clean energy  
15 resources so that, you know, we might not have the need for  
16 Diablo but, also, we ensure that the Diablo is now extended  
17 beyond 2030.

18           And it also has some other levers to pull such as  
19 load-shift goals and policies to ensure we have more tools in  
20 the toolbox to meet our clean energy goals rapidly.

21           On the joint agency reliability planning assessment,  
22 the first report was due on December 15, 2022, which is  
23 tomorrow. We have had delays in getting the requisite data  
24 from -- for places where we need to get to, and then really  
25 process them and ensure there are no mistakes in that.

1           So based on that, we are requesting the legislature  
2   that we, you know, delay it by a few weeks so we can, you know,  
3   go through the holidays and really submit it first thing  
4   January, is our hope. So that's -- that's the recommendation  
5   that we have requested to the legislature.

6           So -- but it kind of takes into things -- a few  
7   things. Right? So it estimates electric supply-and-demand  
8   balance, first of all, over the next 3 -- 10 -- 5 to 15 years,  
9   and it identifies expected loads and resources, and it provides  
10   what the delays or barriers to bringing in a new supply could  
11   be, and recommends action to resolve them along with the  
12   potential actions of regulatory barriers.

13          So that's the report, and it has to be done on a  
14   quarterly basis. So now that -- once the first report goes in,  
15   as new data becomes available, that it's a new forecasting  
16   data, new supply data, we continue to update it and send it to  
17   the legislature on a quarterly basis.

18          Two, under Diablo Canyon Powerplant -- this is a big  
19   one. It's determine whether there's a potential for  
20   reliability deficiencies and whether extension is prudent.  
21   That's a big task that CEC has, and we kicked off this work  
22   through a public workshop a few weeks -- a month ago.

23          And we have a public docket, and I'm happy to share  
24   that information with this group. And then I can send it for  
25   -- docket it here. The link to the CEC is 846 docket.

1           And it kind of asks to assess operations of  
2 powerplants; so, basically, looking in the past and seeing how  
3 often it was out, you know, in outages such. And it  
4 specifically requires us to look into alternatives for the  
5 extension, and then do a cost comparison of the alternatives  
6 with Diablo extension, and continue reevaluate cost  
7 effectiveness as more data becomes available and new data  
8 becomes available.

9           As I mentioned, along with that, a critical tool that  
10 the legislature has deemed important is really looking at the  
11 opportunity to reduce the demand through -- through demand load  
12 shift, so that will help obviate the need for some of the  
13 resources we might not want to continue in the long run. It's  
14 not just directed towards Diablo but also towards the OTC  
15 powerplants which are also seeking extension at this point.

16           And, finally, the clean energy reliability investment  
17 plan, it supports investments and take into account a few  
18 things: anticipated supply-and-demand needs for near-term and  
19 mid-term. And, again, it's a billion dollars.

20           The legislature is asking us to develop a plan to  
21 ensure that we can accelerate our clean energy goals, and so  
22 that's 100 percent zero carbon generation as quickly as we can,  
23 in concert with the GHG reduction target for the electricity  
24 sector as made in the scoping plan with CARP.

25           Here's a summary of the statutory deadlines, quickly.

1 I know we primarily tested in the 846. The quarterly report  
2 starts middle of December. As I mentioned, we are delayed --  
3 we are expecting it to be delayed by a few weeks, again,  
4 through the holidays, and then submit it.

5 And then we have the Diablo Canyon. Specifically, our  
6 first report is due end of March -- the beginning of March,  
7 which is looking at the need for Diablo extension.

8 So that's when we complete an analysis. And over the  
9 time, we will have a couple of workshops. We will discuss the  
10 results, take public comment.

11 As a part of the previous workshop, we put out a  
12 request for information to gather different options that are  
13 alternatives. So we asked for what other alternative can be  
14 considered and what are the costs and how quickly can we scale  
15 those resources. Right. So one of the core issues is, if we  
16 want to scale these resources, they have to be done by '24-'25  
17 time frame, and they have to be clean.

18 And oftentimes, the clean energy options, that we need  
19 to look into the alternatives, do not necessarily have the  
20 commercial scale- -- scalability at this point. But, again,  
21 that -- that's the information we wanted to gather to ensure  
22 that we do a robust transfer analysis and get public feedback.

23 And in July 2023, we send the report on the outages,  
24 and then the cost comparison happens in October 2023.

25 We -- recognizing that the -- the similarities between



1 the need for Diablo extension with cost comparison, we are  
2 hoping to, more or less, complete the requirements of the cost  
3 comparison by March so we could at least provide a  
4 comprehensive report first, and then use the October deadline  
5 as a way to update that analysis if needed.

6 And, finally, on the clean energy investment plan,  
7 this is -- again, we're looking for public feedback on how to  
8 spend the billion dollars, what the barriers are for clean  
9 energy progress in California and installations, and look --  
10 and, really, developing a plan to the legislature so that they  
11 can appropriate the money down to CEC.

12 Here's a quick overview of the CPUC requirements.  
13 Obviously, CPUC's given that regulatory oversight over the  
14 powerplant. Their primary responsibility is around making sure  
15 there is ratepayer protection if the DCPD is extended.

16 So some of the key things is by 12/21/23, so  
17 December 31st next year, CPUC has to determine the final  
18 closure dates. This is not to look at dates beyond 2030 but to  
19 look, you know, if it's feasible -- based on the information  
20 that CEC provides, if they could close sooner. So that's  
21 the -- that's the determination there.

22 They do have to open proceedings to make sure there is  
23 cost-allocation mechanisms and rate-recovery mechanisms. So  
24 that's all within PUC's broad domain.

25 They're also looking at, you know, putting up an

1 independent safety council to attract qualified experts and  
2 require PG&E to respond to the findings and recommendations of  
3 the committee and distribute the responses to various public  
4 entities. This is an important thing.

5 As we ran through the DCPD extension process, the core  
6 pieces where, you know, there was an agreement prior and then  
7 honoring the agreements of the past was an important question  
8 to, you know, safety considerations and re cost effectiveness.  
9 Those were the three primary issues that were raised during the  
10 conversation around this in summer, and the legislature really  
11 tries to address all of them before a final decision is made.

12 There's explicit requirements to work with the native  
13 tribes -- the Native American tribes to make sure their  
14 interests are reflected along with the local communities, as  
15 well.

16 And one of the other things that I wanted to just  
17 raise is that, ensure that the energy capacities -- the third  
18 bullet point, ensure that the energy capacity or attributes of  
19 DCPD is excluded from all IRP portfolios by CPUC and other  
20 CPUC-jurisdictional...

21 So the point here was to continue to plan the  
22 procurement as if the Diablo Canyon is not there so that we  
23 don't have a situation where we -- we delay some of those  
24 procurements and, hence, you know, potentially be in a  
25 situation where the extension would be needed. So this is all

1 about deterrence to ensure that, you know -- that the State  
2 doesn't go back for an extension requirement.

3 And, finally, CPUC has also jointly with CEC provided  
4 the legislature, you know, the quarterly report that I  
5 mentioned, which we are doing this collectively and, in  
6 coordination with CEC, CAISO and DWR, submit a report to the  
7 legislature each year on the status of new resource additions  
8 and revisions, based on the State's electricity-demand forecast  
9 which comes from the CEC.

10 So overall, CPUC's -- you know, in summary, have a lot  
11 of requirements to ensure that they're continuing to procure  
12 without any delays, continuing to report on the procurement, of  
13 the status of the barriers, and ensuring that, in case of the  
14 extension, the ratepayers are really protected.

15 Finally, the last two slides here on the DWR front,  
16 it's primarily a vehicle for disbursement of moneys that were  
17 set aside to pay for some of the cost that PG&E might incur to  
18 keep the option of continuing Diablo. So this includes loading  
19 money to necessary agencies, but also PG&E compensating  
20 operators' performance, and then contracting for external  
21 expertise to help with this whole process.

22 And, finally, with CNRA, by, you know, January 1st --  
23 sorry -- January 31st, the CNRA has to submit the legislature  
24 all actions necessary for extension of Diablo. This basically  
25 is looking at a list, a roster of actions, you know, for Diablo

1 to extend every single action that we have to take across all  
2 the State agencies, what is that, and then send it to the  
3 legislature.

4 I know there was a specific interest on the land  
5 conservation and economic development plan. Thank for noting  
6 those. I will absolutely make available any information we  
7 have soon as we have it. But, you know, CNRA is the lead  
8 agency of that, and then they're working on developing that.

9 So, basically, at this point, the CNRA has, you know,  
10 reviewed and had some initial discussions with the agencies,  
11 but there aren't any substantive updates at this point. And  
12 they're currently gathering stakeholder input and, you know, as  
13 soon as that information is made available, we'll make sure the  
14 committee here is made aware of those information  
15 (indiscernible) any draft information. And for all  
16 deliverables, you know, CNRA, along with all the agencies, are  
17 supposed to ensure that there's a robust stakeholder  
18 participation.

19 So that's the overall summary. I know that we have a  
20 bunch of other presentations. And I will stay on the line to  
21 take the Panel's questions as well as questions from the  
22 public.

23 Thank you.

24 PANELIST ROSALES: Great. Thank you, Vice Chair  
25 Gunda. We appreciate you staying throughout the meeting

1 because I'm sure that there will be questions at the end. So  
2 thank you for your presentation.

3 COMMISSIONER GUNDA: Thank you.

4 PANELIST ROSALES: So, you're welcome.

5 So, next we have a PG&E update on actions taken in  
6 response to SB 846, the Department of Energy funding  
7 application, procurement of nuclear fuel, and the used-fuel  
8 management plan. We'll also hear about the status of ongoing  
9 decommissioning activities.

10 So I'll turn it over to panel member Maureen Zawalick  
11 with PG&E for the update.

12 PANELIST ZAWALICK: All right. Thank you very much,  
13 Charlene.

14 Good evening, panel members and members of the public  
15 that are listening in to this webinar.

16 Sitting here, thinking back, last public meeting was  
17 before Senate Bill 846 was voted and approved and enacted, so  
18 there's a lot of updates that we have for you, actions that  
19 we've been taking for the different requirements of Senate Bill  
20 846. So we want to go over those, as well as, you know, we're  
21 still on concurrent paths. So there's still decommissioning  
22 activities that we need to continue to pursue due to the  
23 various off-ramps in Senate Bill 846. Since the bill did not  
24 say, "Thou shalt continue to operate," we have some actions to  
25 take and so forth.

1           So with that, I want to turn it over to Tom Jones,  
2 PG&E senior director of regulatory, environmental and  
3 repurposing, to go through more details of those actions that  
4 we've accomplished, and next steps.

5           MR. JONES: Thanks, Maureen.

6           Good evening, members of the Panel and the public  
7 participating tonight remotely. I thought Commissioner Gunda  
8 did a fantastic job framing the global issues around SB 846.  
9 I'm going to dive into some recent accomplishments.

10          We're the applicant in all of these processes, right,  
11 so we'll be working with a number of the regulators, both state  
12 and federal, in particular at this juncture to pursue and  
13 secure funding and authorizations that we'll go through here in  
14 just a minute.

15          Go to the next slide here.

16          Here's a list of recent accomplishments. There is a  
17 number of funding activities. We had a couple of questions  
18 from the community about, How does the funding work? I'll tell  
19 you that there are multiple funding mechanisms, none of which  
20 are operated the same way.

21          So we have the initial \$75 million that was a grant to  
22 the utility, and that was a no-regret strategy by the State to  
23 make sure that the window didn't close on things that have long  
24 lead time in nuclear operations, and that's common in all  
25 utility operations.

1           So think, uranium procurement for fuel assemblies.  
2       Now, remember when we set the stage, the plant is typically  
3       funded through a general rate case before the Public Utilities  
4       Commission in three-year intervals. We're inside of that time  
5       frame for the normal way that the State would adjudicate what's  
6       adequate for funding the operations of the utility, including  
7       Diablo Canyon.

8           So, in this instance, there was a grant issued that  
9       allowed us to procure things like uranium; and think dry cask  
10      storage, long-lead-time things, but the window was literally  
11      about to close two years out from Unit One. We didn't have  
12      fuel beyond its current license. Right? So that's what this  
13      type of thing was for.

14          We submitted to the Department of Energy after the  
15      Governor's office had advocated for some changes to make Diablo  
16      Canyon eligible. We submitted that application on  
17      September 2nd with the U.S. Department of Energy, that was  
18      ultimately deemed -- we were deemed to be an eligible applicant  
19      with a conditional approval, and the way that funding stream  
20      works is it's paid for performance.

21          So over a four-year period under this program, the  
22      utility can earn funds, so they'll then go back to offset the  
23      proceeds from the legislative action, the current \$600 million  
24      in next year to a legislative action. We anticipate the other  
25      \$800 million, totaling 1.4 billion.

1           When we go through this DOE process each year, when  
2           we're successful in that award, that offsets those costs to the  
3           State of California. So those funds aren't additive. That's  
4           been confusing for some folks. So just thinking it's almost a  
5           revolving funding mechanism between the State and Federal  
6           Government.

7           So the first -- so we've reached our contractual  
8           agreements with the Department of Water Resources, which is  
9           very critical to keep the project on schedule.

10          And with that, that also allowed us to staff up on our  
11          license-renewal organization, which now has about 40 people for  
12          the regulatory proceeding and the plant's implementation of  
13          extended operations and future regulatory inspections and  
14          needs.

15          So that's a big list. Our employees are excited about  
16          it. And we've also been able to augment our current employees  
17          with a number of recently retired PG&E experts. So we've had a  
18          rush of support from former employees and the industry alike to  
19          make sure that we can help California meet its future energy  
20          needs.

21          Additionally, we filed a licensing action with the  
22          Nuclear Regulatory Commission. We requested a couple of things  
23          when the NRC had its first meeting on our licensing process  
24          last week on December 8th. And Phillippe Soenen and Randy  
25          Lopez represented the company, and there was some tough dialog



1 around what the strategies would be.

2 In short, we'd ask for two things: Reinstate our  
3 previous application that we submitted in 2009; we will update  
4 that if they approve that action. And we've asked for a  
5 timeliness extension from the NRC. And the NRC recognizes this  
6 isn't a licensee that is not submitting an application five  
7 years prior to the end of the license date, but a significant  
8 shape -- shift in state public policy.

9 So they'll evaluate a timeliness exemption, as well.  
10 They'll do that probably in the course of the next three or  
11 four months. But, again, their meeting was on December 8th.

12 So those things are moving along quite well. I  
13 believe those are the first sets of hurdles, and we've cleared  
14 them to be available to again provide for the State beyond our  
15 operational licenses.

16 If we go to the next slide, please, Chris.

17 Here's some things on the road ahead in addition to  
18 the things that the Commissioner described. And so this first  
19 bullet, we just got an update, right, that this is going to  
20 extend to January. And then in December of this year, we  
21 anticipate submitting our first regulatory filing up to the  
22 State of California jurisdictions that are affected by the  
23 extended operations. And that would be to the California State  
24 Lands Commission to amend our lease.

25 Remember, from the median high-tide line out, those

1 properties, both above and below water, belong to the people of  
2 California, and the California State Lands Commission is the  
3 landlord that issues leases to private parties like PG&E to  
4 occupy that space.

5           So if you think about our intake and our discharge  
6 structures, our water, our pier, our docks -- those types of  
7 things are all in that jurisdiction. You might also remember  
8 that that lease was modified a couple of years ago; that by  
9 August of 2023, we had to update the State Lands Commission  
10 about our decommissioning plans.

11           The State Lands Commission has been participating with  
12 the County of San Luis Obispo in creation of the Environmental  
13 Impact Report, as has the Coastal Commission. Those three  
14 entities have a memorandum of understanding to produce that  
15 document so that one environmental document -- think of a  
16 three-circle Venn diagram -- will serve all three of those  
17 regulatory proceedings. It's a particularly thoughtful and  
18 complex project, and the agencies have done a nice job with  
19 that.

20           With that, if you go backwards from the statutory  
21 timelines for review in Senate Bill 846, that means we need to  
22 submit about now so that they have their 180-day clock, because  
23 I still have to satisfy the lease requirement that's in August  
24 of 2023. Right. So we're only eight, nine months out from  
25 some of these deadlines that exist today, but now have a

1 commingled effect with the new legislation. Right.

2           So we're not exempt from processes. The legislation  
3 directed agencies to act quicker on our applications because of  
4 the short time frame to get approvals, because 2024 -- you  
5 know, we're less than two years out now from the expiration of  
6 the Unit One license. Okay.

7           Couple of other items here. PUC will open a new  
8 proceedings the next quarter. The Commissioner did a nice job  
9 of explaining those things. The NRC, again, in that same time  
10 frame, we expect them to issue guidance to us on which  
11 regulatory proceeding and the path for licensing for Diablo  
12 Canyon they want us to follow.

13           And then we'll be filing -- one thing of importance is  
14 the qualified employees, we'll need to retain them. The  
15 legislature and Governor recognize that importance, and there  
16 will be a new proceeding about employer retention and  
17 recruitment programs. We expect that to happen early next  
18 year.

19           And then, lastly, the legislature will take action --  
20 I mentioned it earlier. They bifurcated the funding in two  
21 tranches. Last year was 8- -- \$600 million, and then the  
22 subsequent action through the state budget process most likely  
23 will be an additional \$800 million to match the forecast needed  
24 to operate the facility.

25           If we go to the next slide, please.

1           Maureen touched on this, but, you know, we're asked to  
2 do two opposite actions, and we'll know one of them to be true  
3 two years from now, and that is, Does the powerplant continue  
4 to run in an extended-license fashion, or do we go straight  
5 into decommissioning?

6           So we're maintaining both functions because while it's  
7 been portrayed at times that SB 846 is a done deal and the  
8 plant's going to run, we heard earlier additional needs  
9 assessments; there's subsequent legislative actions required.  
10 So we can't, certainly, take for granted that that's going to  
11 occur. And our commitment to this community was, we want to go  
12 directly into decommissioning once the facility is no longer in  
13 use.

14           So that's another reason why we're maintaining the  
15 dual track. So we are -- of course, our commitment is to  
16 continue with this Panel. We have another update later on this  
17 evening, the status of our Draft Environmental Impact Report  
18 and those actions.

19           There is a synergy between the planning for both of  
20 these things, and that is under the National Environmental  
21 Protection Act. We do have to have updated environmental  
22 information. The NRC considers that information still if it's  
23 five years old or older. So, clearly, we're past that from our  
24 original application and those updates up to 2016.

25           However, a lot of that identical work we did for

1 decommission planning. Right? Remember updating this panel  
2 and regulators about our endangered-species census, for  
3 instance, where we found black abalone in our breakwaters,  
4 those types of things.

5           So we're not starting at the starting line with that.  
6 We have a lot of research and a lot of work that we've done  
7 that will benefit our customers and this process by carrying  
8 that data over into the subsequent new processes that we need  
9 to face.

10           So that's the quick update on that. There are a  
11 couple of other topics here listed, one of which was an  
12 "updated used-fuel management plan." The shorter answer is,  
13 we're still evaluating what that is, and we have to plan for  
14 multiple contingencies on used-fuel management.

15           So in working with our contractor, Orno, about how we  
16 would do that, the interesting thing is if we load -- excuse  
17 me -- if we have extended operations, we won't be unloading as  
18 much fuel as fast because of some subsequent regulatory  
19 requirements. The loading campaign will be much smaller.

20           And the way we have done it historically -- you know,  
21 think approximately 10, 12 casks at a time to maintain the  
22 spent-fuel inventory to allow for operations; whereas, our  
23 previous decommissioning strategy was to unload each pool in  
24 consecutive order in one loading campaign that was quite  
25 lengthy, you know, close to a year.

1           So there are changes, but the technologies will be the  
2 same. We're still evaluating how we're going to implement that  
3 for both potential outcomes. When we have a final plan with  
4 that, we'll update the NRC, the DCISC, and this panel, as well.  
5 But we're still evaluating what those options are.

6           And we're 45 to 50 working days from the passage of  
7 this legislation. So we're building the teams, and we're  
8 evaluating the technical options to make things even more safe.

9           With that, I'll hand it back to -- I think Charlene is  
10 chairing the meeting tonight.

11           PANELIST ROSALES: All right. Thank you, Tom. Thank  
12 you Maureen. I appreciate it.

13           So our next agenda item is to hear from the Diablo  
14 Canyon Independent Safety Committee and its oversight of  
15 extended operations, including the maintenance program, plant  
16 staffing, seismic review, and the independent peer review  
17 panel.

18           So for this presentation, we have Dr. Robert Budnitz  
19 with the Diablo Canyon Independent Safety Committee.

20           Thank you, Dr. Budnitz, for joining us again. And you  
21 can take it away.

22           DOCTOR BUDNITZ: Can you hear me clearly?

23           PANELIST ROSALES: Yes.

24           DOCTOR BUDNITZ: And you can see me? Because I'm  
25 going to talk without slides. So if you can see me, that's

1 great.

2 My name is Robert Budnitz. I'm one of the three  
3 members of the Diablo Canyon Independent Safety Committee, and  
4 we're a state-level committee appointed by the state officials,  
5 three of us: one appointed by the Governor, one by the Attorney  
6 General, and one by the chair of the Energy Commission.

7 We've been in existing over 30 years, and our  
8 fundamental mission, just to paraphrase it, it is we review the  
9 operational safety of the powerplant, and we make reports about  
10 the operational safety of the powerplant in our public  
11 meetings, and we write an annual report that is publicly  
12 available.

13 We write factfinding reports when we go to the plant  
14 practically every month, and we have public meetings in which  
15 members can come and listen to presentations from PG&E and  
16 others and ask questions.

17 We're, by the way, the only committee of our  
18 kind anywhere in the county. There is no other nuclear  
19 powerplant in the country that has a committee like this in  
20 which members of the local community can come and ask questions  
21 the way we do. We're proud of that -- of that very separate  
22 and special status that we have.

23 It's also important to understand that the scope of  
24 our review is not just the reactor. We review the operational  
25 safety of the spent fuel, and recently we've taken on reviewing

1 the safety of decommissioning.

2 As Tom Jones said, we are keeping that decommissioning  
3 track of going and reviewing what they're doing because we  
4 don't know -- nobody really knows yet which path it's going to  
5 be. But we've been doing the reactor, the spent fuel, and  
6 decommissioning right along. And we have the public outreach.

7 Now, that -- that review has been -- that review  
8 mission, operational safety, has been going on for more than  
9 30 years, and it hasn't changed, and it's not going to change.

10 But now we have a special new assignment under SB 846.  
11 Basically, the question that the SB 846 legislation asks --  
12 asked of us is whether the plant can operate safely beyond  
13 2024-'25. They want us to evaluate that and report about it.

14 It's something we've been thinking about right along,  
15 but that's a special requirement in the legislation. And it  
16 also mentions in the legislation two specific topics that we  
17 are under obligation to review carefully and specially, and one  
18 of them is the seismic safety of the station, and the other one  
19 is to review what SB 846 calls "deferred maintenance." I'll  
20 talk about that later. It's actually a misnomer. But it's in  
21 the legislation. I'll talk about that.

22 And if there are any safety enhancements that DCISC  
23 determines are necessary in order to operate safely beyond  
24 2024-2025, then we're going to describe them, explain the  
25 rationale, and write them down and write a report that then



1 becomes publicly available. And, of course, members of the  
2 public will have a chance to critique that, as will anybody  
3 else in the world, before we publish it in our public process,  
4 and then we'll send that forward. If, in fact, we find just  
5 the opposite, that there isn't anything that is really  
6 necessary, then we'll say that.

7 Now, there's an important caveat. Our members and  
8 consultants are not engineering cost experts. We're not in a  
9 position to review any of the cost issues related to anything  
10 that we might recommend.

11 Suppose we recommend that such-and-such is needed.  
12 We're not in a position to say whether it's going to cost --  
13 cost a trillion dollars or a thousand dollars. I mean, I'm  
14 joking, of course, because those are vast extremes. But we're  
15 just not in that position. It's not something we're going to  
16 do.

17 By the way, our committee operates with not just the  
18 three members, but we currently have three consultants,  
19 technical -- call them highly skilled with the -- national  
20 reputations, who assist us and, in fact, do as much work as the  
21 committee members do.

22 And then we have the administrative and legal office,  
23 too, that helps us. And that -- that's the Diablo Canyon team  
24 that worked together to make all this activity come together.

25 So let me turn to the questions that were asked of us.

1           Seismic safety, that's the safety of the nuclear  
2 plant. And, by the way, the spent fuels -- against large  
3 earthquakes. Well, the DCISC has been reviewing seismic safety  
4 right along on a continuing basis. We've been reviewing it  
5 since the committee was formed about 30-something years ago.

6           And as recently as 2015 and 2017, the PG&E did a  
7 comprehensive report published in 2015 that took a few million  
8 dollars and a whole lot of experts that reviewed and came up  
9 with the latest understanding of what the seismicity is around  
10 the plant. That is the seismic sources, the faults, and the  
11 other seismic sources, and how the ground motion propagates  
12 from the sources to the plant and that sort of thing. And they  
13 published that in 2015.

14           And then in 2017, they published a safety report we  
15 called a "probablistic safety assessment" -- "seismic  
16 probablistic safety assessment," in which the plant report --  
17 how that all comes together to understand what the seismic  
18 safety of the plant is and what the exigent sequences are that  
19 might occur, and what the systems are to make sure that those  
20 things are very low probability.

21           Well, in 2015, the PG&E published that report, and we  
22 reviewed it thoroughly, and it was really a topnotch job, and  
23 it's nice to be able to say that. In 2017, they published the  
24 probablistic safety assessment. And, again, we reviewed it,  
25 and, again, it was a topnotch job.

1           And when I say that for you, speaking from the Diablo  
2 Canyon Safety Committee, it's fair to say that it was  
3 peer-reviewed by experts all around the country, and everybody  
4 agreed -- it's nice to be able to say this -- that -- that  
5 those reports were sort of gold-standard reports in the sense  
6 that they're as good as anybody does, and people around the  
7 country emulate them in terms of the quality of the technical  
8 work and so on. So at the time, those reports were the latest  
9 understanding of seismic safety just a few years ago.

10           And we also had the benefit of the Nuclear Regulatory  
11 Commission review them, and found them not only adequate but  
12 excellent. And the State of California has an independent  
13 peer-review panel that reviews the seismicity and ground-motion  
14 aspects of those of -- of those technical things, and they were  
15 reviewed it too.

16           And so there we were in 2017 feeling that the -- that  
17 the plant had done an excellent analysis and, crucially, that  
18 the plant was safe enough; that is, the seismic adequacy of  
19 that plant was, in our -- in DCISC's opinion, also the Nuclear  
20 Regulatory Commission's, it exceeded our expectations for what  
21 a plant needed to do to be adequately safe.

22           And something that's bothered me right along is, for  
23 example, there was a public comment by somebody that wrote in  
24 that says -- this person said, "I've been convinced right along  
25 that that doesn't meet seismic standards."

1 Well, I don't know where that comes from because I've  
2 been on this committee for 15 years, and it's met seismic  
3 standards all the way along, and the NRC has been saying it's  
4 been meeting the seismic standards since it was licensed.

5 Well, no matter, anyway. The question is: What is it  
6 today? So we are initiating right now our review to see  
7 whether anything is different or changed, or any new  
8 information, or maybe the configuration has changed, or maybe  
9 there's been some other changes that would make us revisit  
10 that -- that conclusion back five, six, seven years ago, and --  
11 and come to some different conclusion.

12 We're right in the middle of that. We had an in-depth  
13 factfinding visit in November just a few weeks ago, a couple of  
14 us at the station with a half a dozen of PG&E's experts. We  
15 got a whole lot of reports that we're reviewing. And  
16 sometime -- we expect perhaps in February -- we're going to  
17 have a report on the seismic safety that -- that I'm not going  
18 to promise, but that's what we're pointing toward -- as to --  
19 as to the -- what the DCISC thinks about the seismic safety of  
20 the station up to date.

21 Now, there's going to be more information coming along  
22 because PG&E -- in SB 846, PG&E is committed in the bill to  
23 perform updated safety review, and when they do, we're going  
24 to -- the seismic safety review, and when they do, we're going  
25 to review that too. So that will be another update.

1           And then they're going to submit everything to the  
2 NRC, and the NRC is going to do a review again. And we're  
3 going to review that again. So there's going to be plenty of  
4 opportunity, plenty of review of that subject.

5           Let me turn now to deferred maintenance. It's the  
6 other topic that we were called out specifically to review.  
7 And when I say it's really an incorrect term, and the reason is  
8 because the thought just -- just -- it isn't right.

9           Let me describe. Since the announcement when the  
10 plant was -- several years ago, the plant was going to shut  
11 down in 2024-'5. There had been a lot of changes to  
12 maintenance activities at the station. Many of them were part  
13 of a broad industry initiative called the "preventative  
14 maintenance optimization project," PMO. It was an  
15 industry-wide initiative to take the lessons learned all around  
16 the industry and optimize how preventative maintenance was  
17 done, and PG&E did that too.

18           And since that time, many aspects of the broad  
19 category of maintenance -- lots of different kinds  
20 of maintenance changes were made. Many of them were not made  
21 because of 2025 looming, but some of them were.

22           And in every case -- and this is important -- there  
23 was no maintenance that was not done that was required to be  
24 done. The Nuclear Regulatory Commission has a maintenance  
25 rule. We at the DCISC have our own standards about how much

1 maintenance should be and what it should be.

2           And every single item in the plant -- it's a pump or a  
3 valve or it's an electrical system or a tank, whatever it  
4 happens to be -- has certain maintenance requirements, and we  
5 have reviewed them. DCISC has reviewed them over these years,  
6 item by item. And we have a solid basis for being able to say  
7 that we don't know of any item in which the maintenance -- the  
8 maintenance protocol in that period had been compromised. It's  
9 just simply not the case.

10           The "deferred maintenance" words sound pejorative, and  
11 it's really not fair in the sense that we didn't see anything  
12 in which those changes to maintenance that had gone on had been  
13 negative, had been unacceptable.

14           So when we say that -- that -- this is, of course,  
15 about a year ago, the last time we looked at it carefully --  
16 that we thought that the plant's proposed approach was  
17 acceptably safe, the crucial thing is we've made that  
18 conclusion on a defined and documented basis. I want to say  
19 those words again: a defined and documented basis.

20           So that we're just not making a judgment out of, you  
21 know, sitting there, thinking about it a little bit, and then  
22 coming up with something. It's all been documented, and we've  
23 seen the documents, and we've reviewed them, and we've written  
24 about them in our factfinding. We've talked about them often  
25 in our public meeting sessions three times a year, and the

1 public had a chance to interact.

2           So we actually don't know -- although we're going to  
3 look at it again carefully, we don't know of anything important  
4 in which there has been a maintenance change over the years in  
5 which the maintenance change has been a compromise of safety  
6 that wasn't accepted. We just don't know that. Right? We  
7 don't think we missed anything. The Nuclear Regulatory  
8 Commission has the maintenance role, and they enforce it, and  
9 they haven't seen anything either.

10           Now, crucially, there's an important distinction here.  
11 There have -- they did defer some capital projects, several of  
12 those. Back in 2016, they had a whole lot of capital projects.  
13 They were thinking the plant was going to run another 20 years  
14 after 2025, which is almost 30 years after 2016.

15           So they had a whole bunch of capital projects that  
16 they were going to do, and they can't -- they not just deferred  
17 them; they cancelled some of them, or they deferred or  
18 canceled. It's almost the same thing. And in every case, the  
19 DCISC reviewed each one of them, one by one. We concluded that  
20 it was sensible to defer them and it was not a  
21 safety compromise.

22           I'll just give you one example. The plant had over  
23 a -- for a long time, a plant process computer system called  
24 Eagle 21, which was a Westinghouse system, and it's used all  
25 over the country in Westinghouse plants, which was a system in

1 which the plant process computer kept track of all the  
2 different parameters in the plant, enabled the operators to  
3 understand things in a unified, carefully thought-through way.

4 But Eagle 21 was getting old, and the PG&E said, "If  
5 we're going to run this plant another 30 years, we really ought  
6 to replace it." So they had a project getting going to replace  
7 it. And along came the decision, and they said, "We're not  
8 going to replace it because it'll take two to three years to  
9 replace it, and we'll only get five years of the new system.  
10 Let's just run with the old one." And they decided to do that.

11 We reviewed that carefully and decided, concluded that  
12 that was an adequately safe conclusion. It was the deferred  
13 capital project, but it did not compromise safety, and there  
14 were a whole bunch of those.

15 Now, in this next round, PG&E is going to be  
16 revisiting that, and I'm going to talk about that in the  
17 next -- next little discussion here just briefly. Simple  
18 enough.

19 With this new change and their different planning now,  
20 PG&E has just put together a program that a couple of us -- not  
21 I, but a couple of my DCISC colleagues were out at the plant  
22 last week. They're unveiling a new program called PMO.  
23 Remember, it was called "preventative maintenance  
24 optimization." It's called PMO Optimization Project Plus Plus.  
25 It's a new project. They're calling it PMO Plus Plus. It's a



1 four-month effort between now and the end of March to develop a  
2 plan for a long-range assurance for the whole scope of  
3 maintenance. It's very ambitious.

4           What they intend to do, they explained to us, for each  
5 different item that needs maintenance -- it's a pump or a valve  
6 or it's a tank or it's an electrical system or whatever --  
7 they're going to examine the long-term maintenance plan and  
8 either conclude that it's adequate; or if it isn't, what  
9 long-duration changes, or maybe even short-duration things are  
10 needed to assure that it's appropriate or safe and a reliable  
11 operation long-term.

12           It's a very ambitious project that's been -- it's  
13 going to comprise dozens of different experts, because  
14 different people know different things about different things  
15 out there at the plant. We're going to review it carefully.  
16 The schedule's hard to know, but they mentioned last week to  
17 our -- to my colleagues that it's sometime in the spring. And  
18 we're going to review that carefully.

19           So I'm talking out of school because PG&E will have to  
20 tell you about this in detail. We didn't even learn much about  
21 it in detail. It was just in introduction.

22           But the plan is that at the end of that, they will  
23 know, and we'll review what the maintenance plan is for every  
24 one of those important systems and functions and items out at  
25 the plant, dozens of them, and we'll have a chance to review

1 it. And the NRC, I'm sure, will review it, too, if there are  
2 any changes to be made.

3 So in answer to the question, what do we know about  
4 the details of this maintenance situation? We're going to know  
5 a lot more in a few months than we do now, we at the DCISC.  
6 Heck, the plant is going to know a lot more, and they're going  
7 to share it with us.

8 And there's one other thing about that topic, and that  
9 is that in the Bill SB 846, PG&E is committed to commission a  
10 study by independent consultants to review the broad issue of  
11 deferred maintenance, and it's right in the bill. And when  
12 they do that, there's going to be a report and, of course,  
13 we'll review that whenever it comes out.

14 And then, finally, on that broad topic, the Nuclear  
15 Regulatory Commission, of course, has its own regulations to  
16 meet for this extension, and they're going to be doing a whole  
17 lot of reviews, and we're going to be -- we'll have the benefit  
18 of them, and we're going to look at them and see what we can  
19 learn from them.

20 Way back in 2009 when PG&E submitted the first  
21 license-renewal submittal that then was -- was superseded by  
22 the decision, they submitted a license-renewal submittal. The  
23 NRC staff reviewed it in 2011 and issued a safety evaluation  
24 report which was largely favorable. And we'll have the benefit  
25 of that because we have it, although it's -- a lot of it's -- a

1 lot of it's still pertinent, and some of it is out of date.

2 But they're going to submit a new one by the end of  
3 2023. They've already committed to the NRC on the schedule  
4 like that. The details are still to be worked out. But when  
5 they submit their new license-renewal application, updated, in  
6 late 2023, we're going to have the benefit of that too. We're  
7 going to look at that, and the DCISC will do an independent  
8 review.

9 I just have one more topic, and I'm done. It's  
10 crucial, and it has to do with staffing. You can't run a  
11 nuclear powerplant without very competent staff, and I can  
12 report to you today that PG&E has a very competent staff out  
13 there. Everybody agrees that it's great. And they have  
14 retained them because of programs that were very, very  
15 carefully put together over these last half-a-dozen years to  
16 make sure that they retained them.

17 And just -- just a month ago, I was out at the station  
18 with one of my colleagues, and we reviewed the staffing plant  
19 for -- for -- for operations in the control room, because you  
20 can't run a plant without them. And they had routinely had  
21 classes in -- classes -- every year or two, they have a class  
22 to turn out another half-a-dozen or ten operators, licensed  
23 operators, because they have to keep the staffing up.

24 And they reported to us that they have a plan to have  
25 new classes just starting up so that they'll be sure that they

1 have adequate staffing of those operators and senior reactor  
2 operators and so on. It's been an ongoing concern right along,  
3 and it looks like that's going to be in good shape, and we're  
4 going to continue to review that too.

5 Now, there's more to staffing than just the operators,  
6 of course. There's the rest of the staffing. There's  
7 maintenance, and there's engineering, and there's radiation  
8 protection, and there's security, and there is a whole -- a  
9 whole lot of stuff.

10 Well, one of the things that gives them a great leg up  
11 is that they've been able to retain very strong staff till now.  
12 It's great that they have because they'd be in trouble if they  
13 didn't, and -- and it looks like they're going to be able to  
14 retain them right through this next period. We're going to  
15 watch it carefully. We're not the only people watching it  
16 carefully. The Nuclear Regulatory Commission is watching it  
17 carefully. Of course, PG&E itself is watching it carefully.

18 But it looks like that staffing thing is going to be  
19 okay, and that the actions that they have taken to date are  
20 laying the framework to keep that staffing competence where it  
21 needs to be.

22 If that's true, great; if it isn't, we'll call  
23 attention to it, as will others. So we're going to continue to  
24 review that regularly.

25 And I'll just go back over to my summary. We're going

1 to review staffing. We're going to review the maintenance  
2 activity. We're going to review seismic. We're going to  
3 review the broad -- the broad scope that we've always reviewed,  
4 which has to do with the general issues of operating the plant  
5 safely. And we're going to continue to do all that work, and  
6 we're going to write reports, and those reports are going to be  
7 publicly available, as they always have been, and they can --  
8 always will continue to be.

9 We're going to hold public meetings in which any of  
10 you -- anybody can come. Anybody in the public anywhere in the  
11 world can write us a letter, and we'll log it in, and if it  
12 asks for a response and needs a response, we'll respond to it  
13 not just in the public meetings, but offline; we do that.

14 And so we're here to have this public outreach  
15 function, to do the safety reviews, and I hope that we're going  
16 to be able to satisfy the -- the new requirements of SB 846 the  
17 way we'd like to.

18 Thank you very much.

19 PANELIST ROSALES: Thank you, Dr. Budnitz. And I  
20 believe that you'll be tuning in for the remainder of the  
21 meeting --

22 DOCTOR BUDNITZ: I'll be here.

23 PANELIST ROSALES: -- as well available for questions?  
24 Great. Thank you.

25 DOCTOR BUDNITZ: Yeah. By the way, I went over, but I

1 knew that we were ahead of time.

2 PANELIST ROSALES: You got it. Yes.

3 DOCTOR BUDNITZ: And I'm here.

4 PANELIST ROSALES: And you still kept us on time, so  
5 thank you.

6 So, now, for the next item, we have an additional  
7 update from PG&E on the California Environmental Quality Act,  
8 permitting status, and schedule, including the status of CEQA  
9 review, and changes due to SB 846.

10 Maureen?

11 PANELIST ZAWALICK: Yeah. Thanks again, Charlene.

12 I'm going to turn this right over to Tom Jones to save  
13 on time and so we can hear some questions and so forth. And so  
14 Tom is going to give an update on the California Environmental  
15 Quality Act, permit status, and anything else related to that  
16 matter.

17 MR. JONES: Thanks, Maureen.

18 So this will give some time back, probably, for  
19 Dr. Budnitz for questions 'cause I don't think this will take  
20 ten minutes.

21 What is the status of the CEQA review? That's the  
22 California Environmental Quality Act. That's really shorthand  
23 for the application we have before the County of San Luis  
24 Obispo. And, remember, they have jurisdiction both from the  
25 coastal zone, from the terrestrial areas, and there's some

1 exclusive jurisdiction up by the switchyards in our higher  
2 elevation. That's a 300-foot plateau back by the switching  
3 yards.

4 And I mentioned earlier, they're doing -- they're  
5 administrating the draft of the Environmental Impact Report in  
6 consultation with their -- the two other agencies, the  
7 California State Lands Commission, the California Coastal  
8 Commission; and they're supported by Aspen Environmental, who  
9 are actually experts in the Environmental Impact Report  
10 process.

11 Most notably, Aspen put together the Environmental  
12 Impact Report for the State Plans Commission for the successful  
13 permitting of the San Onofre decommissioning activities. So  
14 it's a twin-unit pressurized-water reactor on the coast of  
15 California. It's very analogous to our project. So they have  
16 a well- -- a well-seasoned team to do this.

17 Now, we've had updates from the County and PG&E before  
18 about that timeline, and we were anticipating a Draft  
19 Environmental Impact Report to be released by the County to the  
20 public either in December or January. The County was talking,  
21 remember, about winter.

22 Recent conversations with the County, that looks like  
23 that's going to slip to April. We're, in working with the  
24 County on a regular basis, providing additional information  
25 that they need from us as the applicant. We hope that to come

1 forward, but we did have tolerance in our planning for that  
2 outcome. And so while we'd like it sooner, the most important  
3 thing is to get the document to you robust.

4 And when that document is issued, it's subject to an  
5 open, public comment period. And under the Environmental  
6 Quality Act, the County is obligated to respond to every  
7 comment it receives and evaluate that before they produce a  
8 second version that would be available for adoption through the  
9 county approval process.

10 So we're coming close to the important milestone. It  
11 slipped, it looks like, 60 to 90 days. It's a little  
12 disappointing, but it's certainly understandable with how  
13 complex of a project it is. And, again, we're working in  
14 consultation with the County to see if we can recover some of  
15 that time.

16 And the reason I say that, it goes back to the earlier  
17 illustration I showed the Panel and the public tonight that we  
18 are still planning for dual-track extended operations and  
19 decommissioning. So we don't want to lose project schedule for  
20 that.

21 This agenda item also says, What are the changes in  
22 relation to SB 846? And I'll give you an example of one where  
23 that could actually be favorable to the project. So the plant  
24 runs beyond the current licenses. We've maintained the current  
25 approval path, but we can change some of the phasing.



1           You might recall from the project, we were going to  
2 build, for instance, a new training facility for our security  
3 officers, a new firing range up the hill. We were going to  
4 build a new security building in the future.

5           So instead of having that in an 18-month type of  
6 project schedule, we can change the phasing and have that while  
7 we're still operating, but do that construction at a different  
8 pace but still be ready.

9           There's things that we could begin to work on like  
10 shipping the legacy components that we have. You know, we have  
11 the old steam generator storage facilities.

12           So even with extended operations, it doesn't mean we  
13 can't start some prudent decommissioning activities under the  
14 authority of those permits that we would obtain from the  
15 California Coastal Commission, the County of San Luis Obispo,  
16 and then the least requirements from the California State  
17 Lands Commission. So that's in flux.

18           We, as an applicant, will also have to react to what's  
19 in the Draft Environmental Impact Report, as will members of  
20 the community and this panel will want to see that.

21           So right now the forecast is to begin April.  
22 Hopefully, that changes a little bit earlier, but if it  
23 doesn't, we know where that lays.

24           So that's the brief update. There's not a lot else  
25 going on with that because that's the next major milestone

1 -- milestone. That's the next thing that's going to drive the  
2 next thing. How about that? So that's where we're at with the  
3 process right now.

4 PANELIST ROSALES: All right. Thank you. Thank you  
5 so much. So -- and I'd like to thank all of our presenters  
6 this evening, members of the public who submitted questions,  
7 and who are attending online.

8 I will now open it up to the Panel members for  
9 discussions, questions, and comments.

10 Go ahead, Bruce.

11 PANELIST SEVERANCE: Yes. In reading the text of  
12 SB 846, there are numerous places where there are provisions  
13 for cost comparisons to other generation and storage deployment  
14 in the state, and in order to do that cost comparison, there  
15 would need to be an open and fair accounting of all of the  
16 anticipated maintenance and operating costs at Diablo Canyon.  
17 There's also provisions that suggest that certain cost  
18 thresholds are not to be exceeded.

19 The question I have is -- and this is probably best  
20 directed to PG&E -- is: How are you going to address the  
21 requirements for cost effectiveness in this cost comparison to  
22 alternative deployment of generation capacity, and how are you  
23 going to show spreadsheets of what you're anticipated operating  
24 costs are in a manner that also doesn't infringe on fair  
25 competition? It seems like there's also a requirement for

1 that. It would have to be done with a spreadsheet that shows a  
2 high and low figure for operating; you know, cost ranges for  
3 various line items.

4 Is that going to be an open public document that  
5 allows CPUC, CEC, other entities, CAISO, to evaluate what the  
6 opportunity costs are?

7 PANELIST ZAWALICK: All right. Thank you very much,  
8 Bruce, for the question.

9 So as Tom mentioned, there are various different  
10 funding sources to address the continued operations of Diablo  
11 Canyon, including the \$1.4 billion loan that we executed a  
12 contract with the Department of Water Resources that has the  
13 oversight over that. So we have a contract with them.

14 Part of that contract is, you know, the truing-up and  
15 review of the costs and making sure that we're coming in within  
16 our financial projections as we evaluated the  
17 continued-operations costs and transition costs and the  
18 licensing costs for Diablo Canyon, including fuel and -- and  
19 dry cask storage and other things that Tom had mentioned.

20 PANELIST SEVERANCE: So those will be public-facing  
21 documents?

22 PANELIST ZAWALICK: Those will be documents that are  
23 under our contract with the Department of Water Resources.

24 Tom, I don't know if you want to add anything else?

25 PANELIST SEVERANCE: So that means that they're not

1 public-facing documents?

2 MR. JONES: I'd actually defer to the Commissioner --

3 PANELIST ZAWALICK: Yes.

4 MR. JONES: -- if he's still on, to address how they  
5 intend to do the cost comparison, because that's not an  
6 activity that's going to be conducted by the utility. The  
7 objector regulator is going to do that, and we will provide the  
8 regulator information for our costs. But they're looking  
9 across the marketplace broader than just PG&E's generational  
10 assets.

11 PANELIST SEVERANCE: Okay. Thank you.

12 COMMISSIONER GUNDA: If I could just add to that.

13 We definitely are looking for PG&E and DWR and CPUC.  
14 We're all going to collaborate to make sure of the costs as it  
15 pertains to the Diablo Canyon extension. Our operations will  
16 be reviewed in contrast with many other alternatives.

17 So as I mentioned earlier, we are creating -- we've  
18 developed a notify process, a request for information where we  
19 ask different alternatives that are offered by entities out  
20 there to provide how many megawatts that they could really  
21 build over the next couple of years, and some of the costs. So  
22 we just -- we closed that. We are reviewing the information  
23 right now, but we'll also be looking into existing resources  
24 like, you know, Lazard and Endrail [verbatim] and other places  
25 where we can get cost information to try and develop a

1 comprehensive set of alternatives that are looked under a  
2 variety of attributes including cost, ability to interconnect  
3 quickly, ability to meet the GHG goals of the State, as well as  
4 reliability, amongst others.

5 So, you know, we are going to do the cost comparison,  
6 and that analysis we're going to put out will be a public  
7 process.

8 PANELIST ROSALES: Thank you so much.

9 Bill?

10 PANELIST ALMAS: Thank you, Charlene.

11 I want to make a short statement, and then I have a  
12 question. You know, I looked at the comments that we received  
13 from the public, and I am also cognizant of how many people  
14 tuned in today, the number of people, somewhere north of 100  
15 watching or listening to us.

16 Many of those people have questions, and we're not  
17 actually answering those -- many of those questions directly,  
18 and I wanted to address that a bit. We're not the group to  
19 address many of the questions that have been addressed to us.

20 We -- our remit is decommission. And so -- and as  
21 you've heard from Dr. Budnit and -- Budnitz, I'm sorry -- and  
22 also the Commissioner from California Energy Commission, they  
23 are the right -- those are two of the right sources of  
24 information for those questions.

25 I think that for that reason, in reading through 846,

1 Bill 846, that -- and looking at the amounts of -- of budget  
2 that are provided to the regulatory agencies, and the money  
3 provided to PG&E for -- for purposes of this extension, that a  
4 public liaison should be -- there should be a beef-up in staff  
5 at these agencies. We need to -- there needs to be an attempt  
6 to answer -- even if it's a very cursory answer, answer  
7 everyone's questions concerning this extension.

8 Then I -- then I have a question that's somewhat  
9 related, and that is, this is an extremely compressed time  
10 frame to begin with. We're -- Tom has mentioned it several  
11 times. We already have a delay from California Energy  
12 Commission.

13 If it's like any other project -- regulatory project  
14 I've ever been involved with, there will be other delays. The  
15 difference between this and a lot of other projects is that  
16 there is hard date out there that energy has to be produced or  
17 not.

18 And so for Dr. Budnitz, do we -- if you have to hire  
19 additional staff, if you have to hire additional consultants to  
20 meet the timelines that this is going to require, how do you do  
21 that? Do you have that budget? Do you have a mechanism? And  
22 what is that mechanism for -- for, really, getting in there and  
23 answering these questions before the re-licensing takes place?

24 DOCTOR BUDNITZ: This is Bob Budnitz. I can answer  
25 the budget question easily. We have a sufficient budget, and

1 the legislation actually tells that to its commission to make  
2 sure we do, if we ask for more.

3 But, Bill, we do. We actually believe that we have  
4 enough staff. There are -- between the three members and the  
5 three consultants that are really topnotch expert consultants,  
6 there are six of us, and we believe we can carry out this  
7 mission in the allotted time.

8 The reason why it's not as complex as you'd think, as  
9 you would think, is that there's hardly a system or an issue  
10 there that we haven't been reviewing right along for the last  
11 bunch of years.

12 If you look at the particular issue just, for example,  
13 auxiliary feed water pump liability, you can find we've  
14 reviewed it four times in the last ten years. And there are a  
15 hundred things like that. Some of them that are really  
16 troubling, or we thought they were, we reviewed ten times in  
17 the last ten years; and some of them that are in great shape,  
18 and we haven't reviewed them that often.

19 So we think we have enough staff, expertise, and time.  
20 It's nice to be able to report that.

21 We did an evaluation in our last public meeting in  
22 October, and we're continuing to do it again. We're going to  
23 do another evaluation at our next public meeting in February.  
24 And you, members of the public, can attend and listen.

25 I'm confident that that will be okay, but if it turns

1 out that it isn't, we'll jump right up and see what we can do.  
2 I don't think that we would have difficulty staffing with  
3 additional staff if we needed it, but I'm hoping that we'll be  
4 able to do it without it.

5 Thank you.

6 PANELIST ALMAS: Thank you.

7 PANELIST ROSALES: Thank you, Dr. Budnitz.

8 Linda?

9 PANELIST SEELEY: Thank you.

10 I have a couple of questions for Vice Chair Gunda.

11 I'd like to ask you -- hello?

12 COMMISSIONER GUNDA: Yes, I'm here.

13 PANELIST SEELEY: You mentioned that you are -- you  
14 have 48 actions or there are 48 actions across multiple  
15 agencies that have to be monitored.

16 Who -- is there a person who does that? Or how -- how  
17 does that get monitored?

18 COMMISSIONER GUNDA: Yes. So the totality of the 48  
19 tasks, as I mentioned, the primary focus areas are to DWR, CEC,  
20 CDC and CNRA. And we have an interagency reliability  
21 coordination group that meets once a week for updates,  
22 including updates on 846. And then we have a monthly and a  
23 quarterly meeting.

24 And our hope as a part of our quarterly reports is to  
25 provide updates on anything that we need to flag along the work



1 plan that we need to do collectively. And there will be also  
2 reports developed by NCRA, which is the parent agency, that  
3 will be putting together some of the reports as well.

4 But overall, the coordination currently happens  
5 through the reliability coordinating group, participation of  
6 the Governor's office.

7 PANELIST SEELEY: Thank you.

8 And, as you know, you've probably looked on our  
9 website and you've seen that we have lots and lots and lots of  
10 questions from the public. The public doesn't have input into  
11 this meeting tonight.

12 Is there a particular way that a member of the public  
13 can get in touch with the CEC? And is there a -- how would a  
14 member of the public do that?

15 COMMISSIONER GUNDA: Yeah, absolutely. And, really,  
16 thank you so much for raising the issue, and that's a theme I  
17 heard from many of you today. And I think that's -- as a state  
18 agency, it's extremely important. And as one of the members, I  
19 know that the condensed timeline to be as transparent as we  
20 can.

21 So we do have a public docket at CEC for which I will  
22 send an e-mail with links so that that could be docketed within  
23 your public docket as well. So we have a docket where most of  
24 those comments and questions have been coming, and the notices  
25 for these workshops that we are holding are noticed.

1           So we do have also list serves that CEC sends them to.  
2   We would love to include your list serve that you might have,  
3   and send that information actively. And we also have a Public  
4   Adviser's Office. And I will send that information to you as  
5   well.

6           So the information I promise to send would be the  
7   docket information, the public officer who will be in touch  
8   with you as the primary contact, and if you are able to send  
9   your list service, I will ensure that your list service is  
10   included in all communications that we send henceforth.

11           PANELIST SEELEY: Thank you.

12           And one last thing. I have read in a lot of places  
13   that having Diablo Canyon online interferes with having the  
14   renewables come online because it takes up so much of the  
15   electrons in the grid, or however you say that.

16           And I'm wondering -- now, I remember that you said  
17   that the operation of Diablo Canyon is not going to be figured  
18   in when you do the assessment of the -- of the renewable  
19   resources that are becoming available, and battery backup and  
20   all that whole conglomeration.

21           But is it -- is -- okay. And you also said that  
22   the -- you had those -- that -- in your grid that you showed,  
23   there was a -- you had made a little pile that was up above the  
24   pile already of the different factors that -- that affect how  
25   much energy we -- we need.

1 I don't -- what I don't understand -- can you really  
2 do that? Can you really figure it out?

3 It seems so complicated that it doesn't seem like you  
4 could really know. That's --

5 COMMISSIONER GUNDA: Yeah.

6 PANELIST SEELEY: -- my question. Can you really,  
7 really, really know if you need Diablo or not?

8 COMMISSIONER GUNDA: Yeah. You're absolutely right in  
9 kind of framing the question. Let me try to answer as well as  
10 clarify what I said, and then welcome your further questions on  
11 this.

12 So the first one around whether continuing operations  
13 of Diablo through 2030, potentially, would impede the  
14 development of offshore wind in that area. The answer, you  
15 know, preliminarily that CAISO has been on record is no, based  
16 on two things. One, given the transmission that exists today,  
17 even if Diablo were to be operating, you could connect, you  
18 know, in excess of 2,000 megawatts of offshore wind to that  
19 location today.

20 Given that, you know, we're talking about six to  
21 seven years from now in terms of offshore wind at development  
22 cycle, we don't anticipate, you know, anywhere close to that  
23 level of development to occur even in the best of cases. So  
24 the existing transmission would not be an inhibiting factor for  
25 the development of the offshore wind.

1           Two, you discussed, you know, would it potentially  
2   reduce other variables, you know, or constrain the deployment  
3   of other variables. When we look at how the transmission --  
4   transmission wires and, essentially, the pipes are laid out,  
5   right, so the flows have to take into account, you know, how  
6   much can flow in and out of those existing transmission lanes.

7           And given the current interconnecting queues at CAISO,  
8   CAISO's preliminary determination that they put in a public  
9   record was that it would not impede the development of other  
10   renewables, given the timelines of interconnection that have  
11   been requested in the current clusters. Right.

12           So we do not see either the renewables or,  
13   specifically, offshore wind being deterred by the extension of  
14   Diablo, based on preliminary analysis.

15           Having said that, as a part of the -- of work that CEC  
16   is now interested to do, we will have public comment, as well  
17   as public kind of vetting of the analysis to ensure that those  
18   statements are true, and I will be reporting that in our March  
19   report.

20           So that's kind of what -- so, two, as for what you  
21   mentioned about, we are not going to take into account the  
22   Diablo extension. I just want to make sure that I clarify  
23   that. What I meant to say is that while Diablo is there, the  
24   procurement that the CPUC is going to do will do as if the  
25   Diablo is not there, so that they don't, you know, slow walk or

1 slow down the procurement cycles of the clean energy resources.

2 So it doesn't -- it doesn't mean that we're not going  
3 to take into account, you know, Diablo when we're doing the  
4 analysis of the power flow and such; you know, the movement of  
5 the electrons and such. But we will be not not taking into  
6 account as it persists -- as it pertains to authorization of  
7 more procurement. So that's number two.

8 And then, finally, on the broader tools that we  
9 currently have, the agencies, the CAISO, the stakeholder such  
10 as PG&E and IAUs [verbatim], all of us have very complicated  
11 tools that really model the flow of electrons on an  
12 hour-to-hour, even in sub-hour flows, based on that idea of  
13 conditions and the generation profiles of the idea of  
14 generators. So we do that. Right.

15 So I think the final event comes to your final  
16 question on prudence: Would we really know if Diablo is  
17 needed? I think, you know, as you said, we will be looking  
18 towards a public process around that. You know, there will be  
19 analysis that develops a variety of scenarios under which the  
20 State might have reliability issues.

21 And based on that and based on the public input, the  
22 Commission is going to determine -- you know, again, it's any  
23 public process, you will have -- you know, oftentimes we have  
24 unanimous decision-making on some things. And this is a  
25 particularly complex issue, and we'll be looking to experts on

1 vetting the information, and public comments to vet the  
2 information as the analysis becomes available before such work  
3 is taken at the Commission. So that's the broader process.

4 And, you know, absolutely would love to engage with  
5 you and your colleagues to make sure that we translate the  
6 information in an accessible way to answer the questions you  
7 might have.

8 PANELIST SEELEY: Thank you.

9 PANELIST ROSALES: Thank you.

10 Kara?

11 PANELIST WOODRUFF: Thank you, everyone.

12 So, before this meeting, the Panel asked the public  
13 for its comments and questions, as you all know, and I think  
14 we've tried to answer a lot of those today. And I think what  
15 I'm hearing on the number of items like deferred maintenance  
16 and dry cask storage and the impact funds and workforce  
17 training is that we don't know the answers today. Reports will  
18 be done within the next year or so, public workshops will be  
19 held, and information will be made available.

20 But I still think there's a handful of issues that we  
21 should be able to get answers to tonight that haven't been  
22 answered. So what I'd like to do is ask about six questions  
23 and really drill down on the answers to these outstanding  
24 questions that I think the community is asking for.

25 So I wanted to start with: What time period will be

1 license renewable -- renew process by PG&E anticipate? So, for  
2 example, SB 846 anticipates the closure of the plant by 2030.  
3 That would be a five-year extension. We know when the NRC  
4 recently came to town, they told us that most operators seek a  
5 20-year-license extension, but you don't have to go to  
6 20 years; that's the max.

7 So my question for PG&E is: What license-extension  
8 time period do you plan to put in your application? That's my  
9 first question.

10 PANELIST ZAWALICK: The NRC's process and review is  
11 for a 20-year review cycle, so we would be submitting a 20-year  
12 one. But we have to also meet the State of California's  
13 regulations and energy policies, and that is for five years.

14 So the State holds the keys to Diablo Canyon, so we  
15 would only operate for five years. The NRC standard review  
16 process is a 20-year application.

17 PANELIST WOODRUFF: So PG&E will be submitting a  
18 20-year-license renewal?

19 PANELIST ZAWALICK: Yes.

20 PANELIST WOODRUFF: Okay. Thank you.

21 Under SB 846, there's a covenant that PG&E will  
22 conduct an updated seismic assessment.

23 And so the question is: How will this covenant be  
24 implemented? Who is going to oversee -- or review the PG&E  
25 assessment? And will there be independent, third-party peer

1 review of those assessments called for in SB 846?

2 PANELIST ZAWALICK: So we're currently in the planning  
3 stages of that assessment. Dr. Budnitz talked about that in  
4 his remarks. We will be seeking as much independent review as  
5 possible for that, and the covenant is with the Department of  
6 Water Resources, and we'll also be going over that with them as  
7 well.

8 PANELIST WOODRUFF: So when you talk about third-party  
9 review, who would you hope to seek to provide that?

10 PANELIST ZAWALICK: We're currently evaluating a  
11 number of industry experts and other -- other experts in that  
12 area. So still we're under the plan. Like you said earlier,  
13 more to come and more information coming over the next year.

14 PANELIST WOODRUFF: Okay. And the third-party review  
15 would be, presumably, by people who don't already have a  
16 connection or an employment-contract relationship with PG&E?

17 PANELIST ZAWALICK: I don't know that right at this  
18 time, no.

19 PANELIST WOODRUFF: I mean, generally, when people  
20 talk about independent third-party review, that's what they  
21 mean, is that the people that are preparing the assessment and  
22 the people that are reviewing that assessment are totally  
23 disconnected professionally.

24 PANELIST ZAWALICK: Well, I look at the Diablo Canyon  
25 Independent Safety Committee as an independent committee.



1     However, they're funded by, you know, rates and by -- you know,  
2     administered by PG&E, but they are very independent.

3             I don't know if, Dr. Budnitz, if you'd like to add  
4     more to this discussion.

5             PANELIST WOODRUFF:   So I guess that --

6             DOCTOR BUDNITZ:   It depends on who -- on who the  
7     people are.   Just to -- can you hear me?

8             PANELIST WOODRUFF:   Yes.

9             DOCTOR BUDNITZ:   Just to give an example.   PG&E did a  
10    very huge multimillion-dollar assessment of the seismic sources  
11    and the seismicity around the plant in 2013, '14, and '15.  
12    They engaged about 20 experts of their own, but then they also  
13    engaged a group of six or seven outside experts who were  
14    independent of both the experts doing the work and of PG&E.   In  
15    other words, they had no employment connection.   And they were  
16    the outside peer review group, but PG&E paid them after all.

17            Some people thought, "Well, PG&E is paying them," but  
18    I don't know what to say about that.   I knew all of those  
19    people when every one of them was about as crotchety and  
20    independent as you can imagine.

21            So how you comprise an independent peer-review group  
22    comes down in many important ways to whether the people in the  
23    expert community agree that those are the really top  
24    independent experts.

25            We'll leave it to Maureen Zawalick and PG&E to come up

1 with a list, and if we -- if we, the DCISC, don't think that  
2 it's independent, we'll tell you. How's that?

3 PANELIST WOODRUFF: Fair enough.

4 And I guess I would add that, obviously, the seismic  
5 condition has been the subject of a lot of controversy. We  
6 know it's complex.

7 And if PG&E's assessments are to have as most  
8 credibility as they can, which would be our -- everyone's goal,  
9 having that independent peer review to be able to look at it, I  
10 think would be appreciated by the community, so --

11 DOCTOR BUDNITZ: Yes.

12 PANELIST ZAWALICK: Just to clarify, Kara, you know,  
13 the long-term seismic program that PG&E has, has been around  
14 for over three decades. We never stopped assessing seismic.  
15 And, in fact, the region around Diablo Canyon is the most  
16 studied region in the world.

17 Part of the long-term seismic program is  
18 industry-leading researchers that contribute our assessments  
19 and analysis independent of us. We have an annual and more  
20 frequent check-in with the independent peer-review panel that  
21 we've been doing.

22 So those have continued, and there's also been, you  
23 know, three decades of Dr. Budnitz and his peers before him  
24 that have independently reviewed our long-term seismic program,  
25 our seismic assessments, in addition to the Nuclear Regulatory

1 Commission, and what Dr. Budnitz talked about in his remarks.

2 PANELIST WOODRUFF: Yeah. And I think that's very  
3 helpful. And I would just add, SB 846 is brand-new, and you  
4 have this brand-new requirement, so that's why I asked the  
5 question.

6 PANELIST ZAWALICK: And we'll meet all requirements of  
7 SB 846.

8 Tom, did you want to add something?

9 MR. JONES: I would just add there's been some  
10 confusion over time, and Maureen mentioned the long-term  
11 seismic program. It's important to understand in license  
12 renewal that the conditions of your license today, like our  
13 long-term seismic program, if approved for license extension,  
14 continue.

15 License renewal is additive to the conditions and  
16 regulatory requirements today. It can require additional  
17 inspections, different types of operations, new licensing  
18 conditions. But everything that we've been doing to get that  
19 plant as safe as it is and as reliable as it is continues. It  
20 only is additive. Things aren't relaxed.

21 So that's an important thing to keep in mind when we  
22 have these discussions.

23 DOCTOR BUDNITZ: Wait. Wait.

24 FACILITATOR ANDERS: I just want to remind everybody  
25 we have about five minutes after this.

1 PANELIST WOODRUFF: Okay.

2 DOCTOR BUDNITZ: But there's another important thing I  
3 want to try to add to this.

4 When you're reviewing the seismicity around the  
5 station, as that study did in 2013, '14 and '15, it's not done  
6 out of whole cloth. There is a procedure that has been  
7 developed in the '90s and is used all around the world. It's a  
8 particular process for doing that analysis, and they followed  
9 it to the letter, and that it's documented. It's been endorsed  
10 by everybody. If you want to do a study like this in Hungary  
11 or in Australia, you use that process, and they used it too.

12 So the other crucial thing is the process under which  
13 these studies take place. I'm not saying that this new one is  
14 going to follow that process. But these studies generally just  
15 aren't a bunch of people sitting around saying, "Well, how are  
16 we going to do this?" There's just a lot of precedent for how  
17 these reviews are done.

18 And that background will be the background under which  
19 this next one will be done, not necessarily following that  
20 whole, great big two-and-half-year thing, but there are lots of  
21 precedents.

22 PANELIST WOODRUFF: Second-to-last question: Has PG&E  
23 procured sufficient uranium to enable operations through 2030?

24 PANELIST ZAWALICK: As Tom mentioned in his remarks,  
25 that's -- we're in the process of doing that, and we don't see

1 any challenges with procuring the amount of uranium that we  
2 need to run through 2030.

3 PANELIST WOODRUFF: Okay. Great.

4 And then, finally, I wanted to talk about offshore  
5 wind because I received a lot of questions about that.

6 How do you see the development of the Morro Bay  
7 wind-energy area to coincide with the operation of Diablo until  
8 2030 with the decommissioning of Diablo after 2030, the  
9 availability of transmission lines that could transmit energy,  
10 both from offshore winds and Diablo operations, and then also a  
11 potential location of the Central Coast Port?

12 Do you have any thoughts on that?

13 PANELIST ZAWALICK: I would turn it over to  
14 Commissioner Gunda.

15 But, you know, PG&E and Diablo Canyon, we're focused  
16 on continued operations of Diablo Canyon, and we're not  
17 involved in offshore wind development or generation at any --  
18 you know, at this time. So we're, again, focused on continued  
19 operations at Diablo Canyon.

20 COMMISSIONER GUNDA: Yeah. Thank you.

21 So in terms of the interconnection, as I previously  
22 mentioned, the opportunity to develop the offshore wind in that  
23 area, but, you know, as it pertains to the 2030 timeline, a  
24 potential Diablo extension will not be an inhibiting factor,  
25 based on preliminary analysis by CAISO and other colleagues.

1 And look forward to, you know, sharing that information with  
2 you.

3 And then the second issue specifically on port  
4 development and such, we -- CEC has a small -- a big role but  
5 smaller in the grand scheme of things, given that there are  
6 about 32 entities that are, you know, involved in the planning  
7 of the offshore wind.

8 But CEC does have the opportunity on developing the  
9 strategic plan. I will both offer our staff to provide you a  
10 briefing at one of these meetings or privately and just kind of  
11 providing the status on the offshore wind development, and they  
12 will be able to really answer the questions.

13 For me, I'm just not a lead commissioner of the  
14 offshore wind, and I do not track it carefully outside the  
15 resource planning, especially in the emerging development of  
16 offshore wind.

17 MR. JONES: Thank you.

18 And I think the last component of what -- Kara had a  
19 question about the ports. The State is doing a comprehensive  
20 study of port infrastructure; and then for San Luis Obispo and  
21 Santa Barbara counties, the boards of supervisors have  
22 authorized funding through the group Ridge [verbatim] to look  
23 at our regional approach.

24 We've participated in that, and they're analyzing the  
25 Diablo Canyon facilities for a number of ways, in addition the

1 facilities at the Port Harbor District and other Central Coast  
2 facilities. So we're supportive of that research project  
3 that's going on now. And I believe there to be -- the product  
4 of that report should be available in the next -- I'd say  
5 inside of the next 90 days.

6 PANELIST WOODRUFF: Thank you.

7 PANELIST ROSALES: Thank you. And we're coming to a  
8 close.

9 Really quickly, Scott and then David.

10 PANELIST LATHROP: Yeah. This is for Commissioner  
11 Gunda.

12 I -- first of all, I appreciate your presentation  
13 simply because I think it's a nice overview of what's happened  
14 to date. Just one comment, though.

15 You had in your presentation for the CPUC, as far as  
16 consultation with Native American groups, I believe the 846  
17 language actually says "appropriate Native American group." So  
18 we really appreciated that that was updated in your  
19 presentation because that's kind of a big deal here locally.

20 Thank you.

21 COMMISSIONER GUNDA: Will do. Thank you.

22 PANELIST ROSALES: Thank you.

23 David?

24 PANELIST BALDWIN: Yeah, I just had a couple quick  
25 comments, I guess primarily maybe to bring the -- a couple

1 ideas back to the Panel.

2 It's easy for these conversations, I think, to really  
3 spread out into a lot of complex discussions that are  
4 important, but I wanted to sort of bring the Panel back, and  
5 maybe also because this is my last meeting here tonight, to  
6 make a couple comments.

7 And mainly -- I guess mainly as a reminder that the  
8 Panel adopted in its vision statement language that references  
9 a local workforce and that, really, in my mind, ties in very  
10 closely to these discussions we're having around safety.

11 Having a highly skilled, highly trained pool of  
12 journey-level workers and premises in the building trades that  
13 have built and maintained Diablo is really crucial to making  
14 sure that not only PG&E but the public can have a high amount  
15 of confidence in the work and the -- and the continued  
16 operation or the decommissioning of Diablo Canyon.

17 You know, I've said many times in our meetings with  
18 the Panel that the best-suited folks to dismantle Diablo safely  
19 and efficiently are those who built it and maintained it over  
20 the last 30, 40 years. And I feel very strongly about that.

21 I hope that after I leave, the Panel will remember  
22 those discussions and what we put into our draft vision  
23 statement about the importance of those local-hire provisions  
24 that come through a community workforce agreement or a project  
25 labor agreement, not only for the workers, but it flows out



1 into everything, as far as safety of the plant, continued  
2 operation, or decommissioning, like I said. And I think it's  
3 very important that -- that we stay mindful of those.

4 A friend of mine use to tell me, "The main things are  
5 the plain things." And -- but stay mindful of those main  
6 things that we've already addressed so many times.

7 Thanks.

8 PANELIST ROSALES: Thank you, David. And thank you  
9 for your perspective and contributions and your service on this  
10 panel. It's been very much appreciated, and we will miss you.

11 PANELIST BALDWIN: Thanks. It's been my pleasure. I  
12 really appreciated working with everyone here. Thank you.

13 PANELIST ROSALES: So Item No. 8: Future meeting  
14 dates and topics. The next Engagement Panel meeting will most  
15 likely be held in March after more information is available  
16 regarding the implementation of SB 846.

17 The Diablo Canyon Independent Safety Committee will  
18 meet on February 15th through 16th in Avila Beach in the Point  
19 San Luis Conference Room at Avila Lighthouse Suites. That  
20 meeting will also be available online.

21 And PG&E will host a "spent nuclear fuel management  
22 and storage" open house in March or April for the public to  
23 learn more about the new spent-fuel storage system. The open  
24 house will include tours of the independent spent-fuel storage  
25 installation at Diablo Canyon.

1           And as always, as we close, this panel's role is to  
2 keep our regional community members informed and to foster  
3 dialog on matters related to deactivation of the plant. Please  
4 continue to be involved, ask questions, and offer your input.

5           So thank you, everyone.

6           And I will turn it over to our facilitator, Chuck  
7 Anders, for any closing comments and adjournments.

8           FACILITATOR ANDERS: Thank you, Charlene. I'd also  
9 like to thank all of our speakers. Dr. Budnitz and  
10 Commissioner Gunda, thank you for excellent presentations and  
11 for spending your time with us tonight.

12           I'd also like to thank all the folks that support this  
13 meeting that people can't see behind the cameras.

14           And I want to remind everyone to go to the Panel's  
15 website, [diablocanyonpanel.com](http://diablocanyonpanel.com), for a recording of this  
16 meeting, also for a written transcript which will be available  
17 in a couple of weeks, and copies of the presentations that you  
18 saw tonight, and also resource materials.

19           We will also have and continue to accept and encourage  
20 public input through the Panel's comment form. And when you  
21 submit those comments, all of the Panel members see them almost  
22 immediately, so they do -- the Panel members are aware of them.

23           So with that, I want to wish everyone a joyful and  
24 safe holiday. And we're adjourned.

25           (The proceedings were adjourned at 7:39 p.m.)

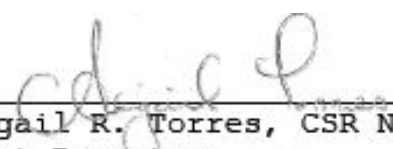
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4 I, Abigail R. Torres, a Certified Shorthand Reporter  
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6 That as such reporter, I reported in machine shorthand  
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8 That my notes were transcribed to the best of my  
9 ability into typewriting under my direction, and the  
10 proceedings held on December 14, 2022, contained within pages 1  
11 through 74, are a true and correct transcription.

12 Dated this 30th day of December, 2022.  
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