

JOINT WORKSHOP
OF THE
CALIFORNIA ENERGY COMMISSION
CALIFORNIA PUBLIC UTILITIES COMMISSION

In the Matter of:)

GREENHOUSE GAS EMISSION ALLOCATION)
FOR THE ELECTRICITY SECTOR (AB-32))
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DOCKET	
07-011P-1	
DATE	NOV 05 2007
RECD.	NOV 09 2007

CALIFORNIA ENERGY COMMISSION
HEARING ROOM A
1516 NINTH STREET
SACRAMENTO, CALIFORNIA

MONDAY, NOVEMBER 5, 2007

10:03 A.M.

ORIGINAL

Reported by:
Peter Petty
Contract No. 150-07-001

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James D. Boyd, Vice Chairperson

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Susan Brown, Advisor

Laurie ten Hope, Advisor

Karen Griffin

Dave Vidaver

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CALIFORNIA PUBLIC UTILITIES COMMISSION

Charlotte TerKeurst, Administrative Law Judge

STAFF

Stephen C. Roscow

Scott Murtishaw

Christine Tam
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Wade McCartney

ALSO PRESENT

Kevin Kennedy
Air Resources Board

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on behalf of Sacramento Municipal Utility District

H.I. Bud Beebe
Sacramento Municipal Utility District

ALSO PRESENT

Leilani Johnson Kowal
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Devra Wang
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San Diego Gas and Electric

Jill Whynot
South Coast Air Quality Management District

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Greg Morris
Green Power Institute

Joy A. Warren
Modesto Irrigation District

Michael Sandler (via teleconference)
Climate Protection Campaign

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P R O C E E D I N G S

10:03 a.m.

CHAIRPERSON PFANNENSTIEL: This is a joint workshop between the Energy Commission and the Public Utilities Commission under AB-32. I'm Jackie Pfannenstiel; I'm the Chair of the Energy Commission and the Presiding Commissioner on the Committee that was set up to coordinate these efforts with the PUC.

We have a busy agenda and a full day, and clearly a full hearing room, so it's going to take some time to get through.

But let me start with introductions. To my right on the dais is Charlotte TerKeurst, who is the Administrative Law Judge from the PUC, who is responsible for this proceeding.

To Charlotte's right is the Senior Advisor to Commissioner Byron, who joins me on this Committee and was not able to be here, Laurie tenHope. To my left is my Advisor, Panama Bartholomy. And to his left is Commissioner Jim Boyd.

I think that we have an agenda that people have picked up and we'll go on to that. Let me just make a couple comments about this

1 proceeding, and specifically today.

2 I think everybody here knows that AB-32
3 directs the California Air Resources Board to
4 develop a scoping plan to achieve what it says is
5 maximally technologically feasible and cost
6 effective reductions in greenhouse gases from the
7 sources that emit greenhouse gases.

8 The legislation requires the Air
9 Resources Board to work with the Energy Commission
10 and the PUC to develop the scoping plan for the
11 electricity sector.

12 These two Commissions have held prior
13 workshops and hearings on reporting and
14 verification. And we submitted a report to the
15 Air Resources Board on that.

16 But we're now in the phase of the
17 proceeding where we're looking at how to set up an
18 emission reduction regulatory scheme for the
19 electricity sector. We're planning to approve
20 joint recommendations from the two Commissions to
21 the Air Resources Board in the first quarter of
22 next year.

23 We held a joint workshop on the point of
24 regulation. Today we're going to look at the
25 regulatory approaches to emission allowance

1 allocation.

2 Many parties here offered responses to
3 the 28 questions proposed by the ALJ ruling of
4 October 15th. I read most of those responses, I
5 think virtually all of them, and I think many of
6 the rest of us.

7 Today's an opportunity to move beyond, I
8 think, the individual positions that were
9 reflected in those responses towards a consensus,
10 or at least a compromise position on emission
11 allowances.

12 So this morning we've asked a number of
13 parties to offer specific design proposals, and
14 then there will be an opportunity to comment on
15 those proposals. Karen Griffin of the Energy
16 Commission Staff will moderate that discussion.

17 Later we'll have a presentation by Steve
18 Roscow of the PUC on different emission allocation
19 options.

20 We would really like this workshop to
21 lead to solutions rather than controversy. We
22 hope that this can help us clarify the
23 recommendations that the two Commissions make to
24 the Air Resources Board.

25 There will be plenty of opportunity in

1 the course of the day for input on the various
2 aspects of this proceeding. The workshop is being
3 transcribed, and will be entered into the record
4 of the joint proceeding.

5 With that, Commissioner TerKeurst, do
6 you have comment?

7 ADMINISTRATIVE LAW JUDGE TERKEURST:
8 Just briefly. And I wish I were a Commissioner,
9 but --

10 CHAIRPERSON PFANNENSTIEL: Sorry, Judge.

11 ADMINISTRATIVE LAW JUDGE TERKEURST: --
12 but I'm not. I just get to prepare a proposed
13 recommendation, not vote on it.

14 I do want to welcome everyone here. We
15 do have a full agenda and I'll keep my comments
16 very brief. Mainly to just take this opportunity
17 to warn you that we have a full agenda beyond this
18 workshop for the fall. We will be seeing a lot of
19 you and talking with a lot of you over the next
20 few months.

21 We expect to issue the amendments to the
22 scoping memo later this week that will incorporate
23 formally the two amendments to the order
24 instituting rulemaking that the PUC passed earlier
25 this summer. And we will be asking for comments

1 similar to the ones that we asked for on the
2 allocation issue. We're asking for additional
3 comments on the point of regulation and the type
4 of regulation issues. So that will be coming at
5 you later this week, probably with comments due
6 later this month.

7 So you will be busy; we will be busy.
8 And I look forward to this workshop today. Thank
9 you.

10 CHAIRPERSON PFANNENSTIEL: Thank you.
11 Any other? Commissioner Boyd, comments?

12 VICE CHAIRPERSON BOYD: No. I'd just
13 say I'm delighted to have the opportunity to sit
14 in on this workshop, having shed myself of the
15 burden of the alternative fuels plan and return to
16 my passion for climate change for awhile. Thank
17 you.

18 CHAIRPERSON PFANNENSTIEL: Well, I'm
19 glad you were able to join us.

20 I think before we start on the panel
21 I'll ask Kevin Kennedy, who is here representing
22 the Air Resources Board, having cut his teeth on
23 climate change work here, on this very proceeding,
24 in fact. And now having moved over to the Air
25 Resources Board, we'd appreciate your comments and

1 perspective, Kevin.

2 DR. KENNEDY: Thank you, Chairman
3 Pfannenstiel and others. As she said, I'm Kevin
4 Kennedy; and though it still sounds a bit odd to
5 me to say this, I'm with the Air Resources Board
6 in the Office of Climate Change.

7 And I just wanted to briefly say that we
8 at the Air Board are extremely interested in
9 what's going on in this proceeding. We greatly
10 appreciate the work that the two Commissions and
11 all the stakeholders are doing in this proceeding
12 to wrestle through the questions of how to deal
13 with AB-32 in the context of the electricity
14 sector.

15 We are also very much working with the
16 staff of the two Commissions, our staff. We have
17 a number of staff here today listening in on these
18 proceedings.

19 One of the things that we are working
20 very strongly to do is to try to make sure that as
21 the thinking progresses in this proceeding, and as
22 we at the Air Board wade through very similar
23 issues in terms of how to deal with AB-32 in the
24 context of the broader economy, that the thinking
25 in the two venues remains on parallel and

1 consistent and that sort of we're able to work
2 with the recommendation; the recommendation coming
3 out of this proceeding is something that will work
4 very well in the context of what we do in the
5 larger economy for AB-32.

6 So, again, I just want to thank everyone
7 who is here today for the hard work that's going
8 on here. We're extremely interested and we are
9 very much looking forward to getting the
10 recommendations from the two Commissions; and very
11 much hopeful and expecting that we'll be able to
12 incorporate those into the overall scoping plan
13 that we're working on at ARB.

14 Thank you.

15 CHAIRPERSON PFANNENSTIEL: Thank you,
16 Kevin. With that I will hand it off to Karen
17 Griffin.

18 MS. GRIFFIN: Thank you. As we start
19 today I want to issue a small apology to those of
20 you who truly support an auction process. I kept
21 looking for an auction speaker; this was before I
22 got your comments, and I'd say like you're a very
23 shy lot. I felt like a hostess inviting people to
24 a party and they would accept and then turn me
25 down. So that's why there's no auction speaker on

1 the panel today.

2 But I'm lucky, and we're all lucky that
3 the four people who did agree to talk are here to
4 help us understand their particular views. They
5 represent a variety of positions that are
6 important in this proceeding, including -- and I
7 don't want to say yours are any less, but I knew
8 they were important and they agreed to speak. So
9 I'm glad to have them here today.

10 Also want to introduce some of the staff
11 team who is working, assisting the Commissioners
12 at both Commissions, and the ALJs, in putting this
13 together.

14 Over here we have Scott Murtishaw from
15 the PUC. And I think Kristin Rolf-Douglas is in
16 the audience. Is Steve coming?

17 MR. ROSCOW: I'm here.

18 MS. GRIFFIN: You're here, okay. Well,
19 you know, I can't see. You're supposed to be up
20 on the podium, Steve.

21 MR. SPEAKER: Yeah, there's a spot for
22 you, Steve.

23 MR. ROSCOW: Oh.

24 MS. GRIFFIN: Okay. No hiding in the
25 audience. And for the Energy Commission we have

1 Dave Vidaver, who's the senior technical person
2 supervising the staff who work in this. Marc
3 Pryor is around somewhere. You're over there. Is
4 Adrienne here, Kandel, another one of our staff
5 people. Thanks, Adrienne. Our attorney is not
6 here right now, is Lisa DeCarlo. So these are the
7 people that you will be hearing more from as we
8 work to help the Commissioners put together their
9 proposed decision.

10 So, let's turn directly to our panel.
11 We're going to go just in the order that they're
12 in the agenda. And we'd have loved you to sit
13 over there. We knew you were going to stand at
14 the podium, so you're either welcome to sit there
15 or stay where you are, and then go to the podium.

16 MR. SPEAKER: I'll stay over here for
17 now.

18 MS. GRIFFIN: But we're going to start
19 with Leilani Johnson from LADWP. Thank you very
20 much.

21 MS. JOHNSON KOWAL: Can you hear me?
22 Good. Good morning, Chairman Pfannenstiel,
23 Commissioner Boyd, Judge TerKeurst and Staff. I'm
24 Leilani Johnson Kowal with Los Angeles Department
25 of Water and Power; and I appreciate the

1 opportunity to be the first speaker today on this
2 very important topic of allowance allocations.

3 Perhaps I can also reserve five minutes
4 at the end of this panel to respond to any
5 comments made by other presenters.

6 As we all know this is likely the most
7 contentious and difficult part of AB-32, the
8 challenge we face today is determining how best to
9 achieve the primary goal of AB-32, which is to
10 reduce emissions in a way that remains true to the
11 intent of the legislation; to design regulations,
12 including distribution of emission allowances in a
13 manner that is equitable, seeks to minimize costs
14 and maximize the total benefits to California; and
15 encourages early action to reduce greenhouse gas
16 emissions.

17 In terms of LADWP's commitment to direct
18 greenhouse gas reductions it is no surprise that
19 our overall carbon intensity is approximately 1300
20 pounds per megawatt hour, while the average of
21 large utilities in California are much lower, and
22 in some cases less than half of our carbon
23 intensity.

24 The LADWP, along with the City of Los
25 Angeles, supported AB-32 during the 2006

1 legislative session and recognizing our electric
2 portfolio poses one of the greatest challenges and
3 one of the greatest opportunities for reducing
4 emissions. We are glad to be here to help make
5 this work.

6 LADWP, through its Board and in concert
7 with the Mayor, made commitments to targets under
8 the Los Angeles climate change plan, which is also
9 known as the Green L.A. Plan, and AB-32 and took
10 immediate steps to steer our public utility
11 investments towards greenhouse gas reductions.

12 This year we have committed nearly \$2
13 billion in investments over the next five years to
14 programs that will result in direct and permanent
15 greenhouse gas reductions.

16 LADWP increased our commitments to
17 renewable energy and the related transmission. We
18 tripled our funding for our solar installation
19 program, doubled our investments in energy
20 efficiency and demand side management. We also
21 created a lead development office to provide
22 assistance for energy and water-efficient
23 construction.

24 We redesigned our rate structure and
25 continue to make infrastructure improvements to

1 the Port of Los Angeles to help shift them from
2 bunker fuel to electricity.

3 In addition to that we've also increased
4 our purchases of alternative fuel vehicles and
5 supporting fueling infrastructure.

6 I bring these up because I want to
7 express to you the variety of different positions
8 that all of the retail providers have. And I
9 wanted to paint the picture for you of where LADWP
10 is coming from in terms of the challenges that we
11 have, going forward.

12 In terms of our position on allowance
13 allocations we continue to support and maintain
14 that a direct regulation program, which includes
15 emission reduction targets, is the most cost
16 effective and efficient method to achieve AB-32
17 goals for the electric sector.

18 However, today I do present
19 recommendations for market-based allowance
20 allocation based on our experience with the
21 reclaim program in the South Coast, as well as the
22 acid rain program. And I reserve my comments
23 about auction and other allocation approaches for
24 later this morning and this afternoon.

25 At the center of our position on

1 allowance allocations is our goal to partner with
2 the state to achieve real environmental benefits
3 through direct greenhouse gas reductions, protect
4 customers from unfair cost burdens and rate
5 spikes, and preserve electric system reliability.

6 We do not support a wealth transfer
7 between regulated entities in the state, or among
8 regulated entities. And, second, we do not
9 support creating windfall profits for any
10 regulated entity or entities allowed to
11 participate in a greenhouse gas market trading
12 program.

13 This is more likely -- these two
14 outcomes are more likely to occur under other
15 proposals that ignore retail providers starting
16 point.

17 An equitable allocation formula must be
18 fair to all entities and direct those with higher
19 compliance burden to concentrate their investments
20 in low- and zero-emitting resources.

21 From that perspective, LADWP's proposal
22 is to support an administrative allocation of
23 allowances at the program's inception in 2012,
24 based on current and accurate emission levels,
25 with an annual declining cap that ultimately

1 brings each regulated entity in the electric
2 sector to an emission level that reflects best
3 industry practices in 2020. And for it to address
4 low growth, LADWP supports a new entrant reserve
5 for new capacity that meets those best industry
6 practices.

7 We recognize that this would result in
8 overall greater burden for those retail providers
9 that have high carbon footprints in comparison to
10 those that are relatively cleaner. That is one of
11 the challenges that we have going forward.

12 They would be required to reduce a
13 greater percentage in comparison to retail
14 providers with low carbon footprints; and that's a
15 distinct difference between our proposal and one
16 of traditional grandfathering.

17 To be clear, LADWP is not advocating
18 that entities return to their 1990 entity-specific
19 emission levels, nor are we advocating for all
20 regulated entities to reduce emissions by the same
21 proportional amount, something along the order of
22 say 25 percent for everyone.

23 However, in order for high carbon retail
24 providers to transition to benchmark goal in 2020
25 it is reasonable for us to have a glide path in

1 the early years to provide an adequate planning
2 horizon for new investments in renewable energy
3 and transmission. And this would be followed by a
4 steeper curve in the later years towards 2020,
5 reaching the required emission reduction levels in
6 2020.

7 This approach maintains appropriate
8 sensitivity to the challenges faced by high carbon
9 retail providers in the early years. And yet, it
10 also provides us with the most level playing field
11 possible by 2020. And I believe that this is
12 consistent with the guiding design principles
13 affirmed by the MAC.

14 It also promotes early action to invest
15 in renewables, energy efficiency and provide a
16 reward in terms of surplus allowances for
17 reductions made beyond the annual cap, and a
18 penalty for no action in which allowances would
19 have to be surrendered for compliance if
20 reductions are not made.

21 The first guiding principle of a MAC is
22 to avoid localized and disproportionate impacts to
23 low income and disadvantaged communities. And we
24 believe that an allowance allocation based on
25 current emissions provides the least-cost approach

1 to reducing emissions to meet the 2020 emission
2 reduction goals.

3 Distributing allowances based on any
4 other criteria other than emissions, whether by
5 auction or retail sales, that ignores the starting
6 point for retail providers that do have high
7 carbon emissions, will increase the costs for the
8 program overall.

9 In closing, at LADWP we understand what
10 our role is in implementing AB-32, and remain
11 committed to making direct emission reductions in
12 our portfolio. We adamantly oppose 100 percent
13 auctioning. We feel that that approach, or any
14 other allocation that ignores retail providers'
15 starting point, is a mistake.

16 We encourage the PUC and the CEC to
17 remain focused on the goal of AB-32, which is to
18 reduce emissions. The Commission must steer clear
19 of proposals that lose sight of this end goal, and
20 that distract us from learning the lessons of our
21 recent past when markets didn't behave as planned.

22 The proposal presented by LADWP reduces
23 the risk of windfall profits, market manipulation,
24 gaming, rate shock, and most importantly, protects
25 the electric system reliability.

1 Thank you.

2 CHAIRPERSON PFANNENSTIEL: May I just
3 make sure that I'm clear. So you would have us
4 allocate based on 2012 emissions?

5 MS. JOHNSON KOWAL: Allocate based on
6 the most current emissions that you know in terms
7 of accurate emissions data. We understand that
8 the Air Resources Board is collecting data on
9 emissions, and we believe that perhaps maybe 2008,
10 2009 timeframe is when that data would become
11 available.

12 CHAIRPERSON PFANNENSTIEL: I see.

13 MS. GRIFFIN: Okay, the way we're going
14 to proceed is that we're going to take clarifying
15 comments from the podium and the panel; ask if the
16 audience has any clarifying questions; and then
17 move to the next speaker. Go all the way through
18 them, and then we're going to ask the audience to
19 come up and discuss points of view brought up by
20 any of the speakers.

21 We do have a roving mic, but it seems to
22 work better if people come to the podium.
23 However, the people in the front row here, we may
24 be engaged in musical chairs in terms of people
25 lining up to speak if we get a lot of speakers.

1 So, I do have -- I get to go first --

2 (Laughter.)

3 MS. GRIFFIN: You suggested that you
4 thought LADWP could be on a glide path to achieve
5 a 2020 target, which is similar to those that
6 would be obtained by other California load-based
7 retail providers?

8 MS. JOHNSON KOWAL: Correct. We believe
9 that a benchmark that everyone has to meet in 2020
10 that is the same as -- that's what our goal is.

11 MS. GRIFFIN: Okay, so --

12 MS. JOHNSON KOWAL: Is to be on the same
13 level playing field as everybody else.

14 MS. GRIFFIN: You think it's feasible
15 for you to do this?

16 MS. JOHNSON KOWAL: If there is a glide
17 path in the early years in terms of the allowances
18 being available to us, instead of a straight-line
19 curve -- or a straight line from 2012 to 2020, it
20 would probably be more of a glide in the early
21 years, with a steeper reduction towards the later
22 years.

23 MS. GRIFFIN: Okay, thank you. From the
24 podium?

25 ADMINISTRATIVE LAW JUDGE TerKEURST: I

1 guess my one question about you saying that you
2 could reach a benchmark by 2020, how would you
3 contemplate dealing with your high carbon
4 resources by 2020 to allow you to reach an
5 industrywide benchmark?

6 MS. JOHNSON KOWAL: We are currently
7 engaged in displacing our high carbon resources by
8 building new renewable energy projects, as well as
9 increasing our investments in energy efficiency.

10 ADMINISTRATIVE LAW JUDGE TerKEURST: And
11 would the high carbon resources just be sold to
12 someone else, or would they be shut down?

13 MS. JOHNSON KOWAL: I'm not in a
14 position to answer that question. I don't -- I
15 think the intent is that they would not be
16 imported and consumed in California. As for our
17 contracts with our out-of-state coal resources,
18 that's something beyond what I can speak to today.

19 VICE CHAIRPERSON BOYD: A question.
20 Just to drive the point home even more solidly,
21 you feel you can with, as you said efficiency and
22 renewable resources, meet your 2020 benchmark.
23 Therefore, I assume you believe that the
24 California infrastructure is capable of delivering
25 those renewable resources to your customers

1 sufficiently by 2020, meaning transmission and
2 distribution in particular.

3 MS. JOHNSON KOWAL: We sure hope that it
4 does. I think that is one of the biggest
5 challenges that we face here in California is the
6 fact that with renewables you do have to have that
7 supporting transmission. And all of our
8 investments are focused on those very types of
9 projects.

10 VICE CHAIRPERSON BOYD: So we can expect
11 your support on all infrastructure needs that are
12 identified?

13 MS. JOHNSON KOWAL: I -- I don't know
14 that I'm in that position of saying that, but I
15 would say that we are consistent with those
16 policies.

17 VICE CHAIRPERSON BOYD: Thank you.

18 MS. GRIFFIN: From the panel or staff?
19 No, okay. Are there questions from the audience
20 on this, verifying questions on LADWP's opening
21 position?

22 Please just come to the podium.

23 MS. LUCKHARDT: This is Jane Luckhardt
24 for the Sacramento Municipal Utility District.
25 Leilani, I just have one question. You were

1 saying that everyone should reach a common
2 benchmark. Did you have a rough calculation of
3 what you thought that could be -- that would be?

4 MS. JOHNSON KOWAL: I do not. And that
5 is because of a number of things. One is the 1990
6 inventory has not been adopted; plus we have to
7 still go through economic modeling to understand
8 what is feasible from electric sector.

9 But the intent is -- or our goal is to
10 come to this same ultimate benchmark goal for
11 everyone in the electric sector.

12 MS. LUCKHARDT: And how would you
13 calculate that? Or do you know, yet?

14 MS. JOHNSON KOWAL: It's -- I don't --

15 MS. LUCKHARDT: You wouldn't?

16 MS. JOHNSON KOWAL: Not at this point.

17 MR. MURTISHAW: Actually, Karen, I do
18 have one question.

19 MS. GRIFFIN: Okay.

20 MR. MURTISHAW: So, I'm sorry I haven't
21 had time to read all of the comments that came in
22 yet, so this may be answered in the comments that
23 you filed.

24 Does the allocation mechanism that
25 you're talking about start with some percentage

1 that would be allocated based on historic
2 emissions, which -- and then another percentage
3 that's allocated based on the common benchmark?
4 And then those two percentages change over time?
5 How do you transition from the historic emissions
6 as a common benchmark from 2012 to 2020?

7 MS. JOHNSON KOWAL: I don't think we're
8 at a point of knowing what the details are in
9 terms of that level is something to continue
10 evolving as this process goes forward.

11 But one thing I do say is that in 2012
12 we believe that allocations should be done based
13 on 100 percent -- 100 percent based on emissions,
14 actual emissions.

15 MS. GRIFFIN: Okay. Then we will turn
16 to NRDC, thank you for coming.

17 MR. PRYOR: Karen, may I interject here?

18 MS. GRIFFIN: Please.

19 MR. PRYOR: Would the speakers please
20 provide a business card or some other form for our
21 reporter.

22 MS. WANG: Thank you. I'm Devra Wang
23 with the Natural Resources Defense Council. Thank
24 you for the invitation to join you at this very
25 important workshop today.

1 We submitted joint comments with NRDC
2 and the Union of Concerned Scientists. And not to
3 disappoint you, Karen, I will be talking about
4 auctioning. But before I get to that, wanted to
5 raise some important considerations, I think,
6 threshold issues before we delve into the details.

7 My remarks today apply equally to the
8 electricity and to the natural gas sectors, and
9 largely to any point of regulation, though I'll
10 highlight where we think differences would appear.

11 So there's a couple of threshold issues
12 that I think it's important to discuss. First is
13 that allowances are basically equal to money. And
14 when we talk about auctioning and using the
15 revenue, or distributing the allowances,
16 themselves, it's basically the same thing. The
17 allowance is something of value.

18 And so we need to be talking about how
19 to distribute the value of those allowances,
20 regardless of what mechanism we actually use to
21 distribute that value.

22 In our view an auction is a more
23 transparent means of distributing that value, to
24 auction the allowances, and then to, in a more
25 transparent manner, decide who gets the benefit of

1 those allowances, of that money that they
2 represent.

3 The second key point I want to make is
4 that the point of regulation does not need to be
5 the same as the point of allocation or the point
6 where someone gets the benefit of the allowance
7 value.

8 Many parties are implicitly or
9 explicitly advocating that the entities that are
10 the point of regulation also receive the
11 allowances. But they don't need to be one and the
12 same. This is something that has value. And I
13 think the Commissions and the Air Resources Board
14 need to look at who should get the benefit of the
15 value of those allowances.

16 In our view, under any point of
17 regulation, consumers, the customers of the
18 utilities should get the benefit of that value.
19 So, regardless of what decision gets made about
20 the point of regulation, the customers of the
21 utilities should be the ones who receive the value
22 of the allowances.

23 The third point I want to make is that
24 with regard to this decision in particular, it's
25 very important that California look at what

1 precedent we're setting for the federal system.

2 As we talk about how to distribute the
3 value of the allowances within California, we need
4 to adopt something that's in California's best
5 interests, but it's very important to keep an eye
6 on the fact that the federal system is just down
7 the road; and that it's going to be in all of
8 California's utility customers best interests to
9 have allowances distributed in a way that benefits
10 cleaner regions, cleaner utilities and recognizes
11 those that have taken early action.

12 Because, of course, as a state,
13 California has taken early action. And it's very
14 important; I think it's one area where we all have
15 common cause here in this room, that under a
16 federal system we'd like to see California
17 recognized for the early action that our state has
18 taken.

19 Now, as we discuss what would be the
20 best way to distribute allowances, I think it's
21 important to start by looking at the principles
22 that should be used. And the Administrative Law
23 Judge's ruling, I think rightly, started by asking
24 parties what the key principles are for
25 distributing allowances.

1 We looked both to the market advisory
2 committee report, and also to the guidance that
3 was provided in AB-32, itself, in terms of the
4 principles.

5 So, let me just briefly describe the
6 principles that we think are important in judging
7 any allowance distribution proposal against.

8 And that includes a system that is
9 equitable. AB-32 requires that. Preventing the
10 creation of windfall profits. Reducing the cost
11 of the program to consumers, and especially low
12 income consumers.

13 Insuring fair treatment for early
14 actors. Promoting investments in low emission
15 technologies, including energy efficiency.
16 Contributing to the state's efforts to improve air
17 quality and reduce toxic emissions.

18 Contributing to the development of
19 innovative technologies. Minimize the costs and
20 maximizing the benefits of the program to
21 California. Helping to improve and modernize the
22 energy infrastructure.

23 Maximizing the additional environmental
24 and economic benefits that can be achieved. And
25 directing investment toward the most disadvantaged

1 communities in California.

2 So those are a lot of principles. AB-32
3 contained a lot of guidance on this issue, but I
4 think it's very important as we look at the
5 different proposals that are on the table, to
6 assess how they stack up relative to the
7 principles that the Legislature and the Governor
8 put forward.

9 So, turning to the methods that should
10 be used. From our perspective it's very important
11 that the state not grandfather allowances. I want
12 to start with what we think should not be the
13 mechanism used.

14 It doesn't meet those principles that I
15 just described. And it's also very important that
16 the state send a very early signal that the state
17 will not grandfather, to enable early action
18 between now and the time that this program starts.
19 We have a lot of time to start making investments,
20 and it's important to send that signal early that
21 you will not be rewarded for increasing emissions.

22 This is also very important because any
23 system that grandfathers allowances in California
24 and sets a precedent for a federal system that
25 grandfathers allowances will hurt all of

1 California's utility customers.

2 And that's very important because a few
3 years down the road that's the system, in all
4 likelihood, that we will be faced with. And we
5 will be disadvantaging ourselves if we set that
6 precedent. We can't, ourselves, grandfather, and
7 then turn around and ask the federal government
8 not to. I think it's important that we present
9 the principles and stick with those in our design,
10 as well.

11 Now there are many ways that we could
12 design an allowance distribution system that would
13 meet the principles that I just discussed. So I'm
14 going to describe three systems that we think
15 would meet those principles. And in doing so,
16 stress that I think there's many different options
17 that could be viable here. And that, from our
18 perspective, this workshop is just the beginning
19 of the discussion about how to meet those
20 principles.

21 So the first system would be a full
22 auction with the revenues used for public purposes
23 and to further the goals of AB-32. This system
24 would meet the principles that I described. And
25 the auction revenues, I want to stress, would come

1 back to the sectors that are contributing -- so in
2 this case the electricity and the natural gas
3 sectors -- to do things like support investments
4 in technologies that reduce greenhouse gas
5 emissions, to reduce costs to consumers,
6 especially low income consumers. For example,
7 through additional investments and end use
8 efficiency beyond our current programs.

9 Supplementing the low income energy
10 efficiency, the bill payment assistance programs.
11 Investing in research and development to advance
12 technologies. Supporting air and toxic pollution
13 reduction efforts. Supporting the development of
14 green collar jobs. And providing economic
15 opportunities in low income and disadvantaged
16 communities.

17 In particular, we think a full auction
18 is very important under a first-seller point of
19 regulation to insure that we avoid windfall
20 profits in the system.

21 The second proposal I'd like to put on
22 the table is for a system that would work under a
23 loadbase points of regulation, for either
24 electricity or natural gas. And it would be an
25 auction with partial utility-directed investments.

1 Some people are calling it a refunded auction.

2 But basically it would allow the
3 utilities to keep a portion of the amount that
4 they spend in the auction to invest in specified
5 ways, subject to oversight from the state.

6 So, for example, the utilities could be
7 allowed to keep some percent, maybe 75 percent, of
8 the amount that they are spending in the auction,
9 to make long-term investments in technologies that
10 reduce greenhouse gas emissions, research and
11 development, reducing costs for low income
12 consumers, et cetera.

13 This is the sort of use-it-or-lose-it
14 type of approach. And any amount that a utility
15 doesn't use, to invest in its own system and to
16 reduce its own emissions, could go to the more
17 general statewide purposes that I just talked
18 about, general statewide research and development,
19 reducing pollution in local communities, et
20 cetera.

21 The third system that I'll put on the
22 table is something that could work under either
23 sector, under either point of regulation, and
24 that's to distribute at least a portion of the
25 allowances to utilities using an updating per-

1 customer allocation methodology.

2 The basic principle behind this is that
3 each of us, each Californian, should have an equal
4 right to use the atmosphere. I think many would
5 agree that that would be the most fair way to look
6 at this issue.

7 And, of course, it's a little bit
8 difficult to identify the population and verify
9 the population served by each utility; and the
10 number of customers can serve as a close proxy for
11 that.

12 So, under this system, the allowances,
13 themselves, or the auction revenue, since they
14 represent the same thing, could be distributed to
15 utility customers on a per-customer basis, through
16 the utility. And to be used, again, to reduce
17 emissions and to meet the other principles that I
18 described.

19 From our perspective, these types of
20 systems are important because they reward early
21 action. They're also a progressive way to do this
22 that benefits low income customers more than some
23 of the other distribution methods.

24 So, again, those are illustrative of the
25 types of systems that we think would meet the

1 principles. There are other systems that have
2 been proposed by parties, including an output-
3 based or a benchmarking system that is adjusted
4 for verified energy efficiency savings.

5 But as we look at this, I would urge all
6 of the parties here to look towards agreement as
7 much as we can on the principles, and keep in mind
8 that we need to set ourselves up with a good
9 precedent for the federal system that will be in
10 all of our best interests.

11 So I look forward to the ongoing
12 discussion on this, and thank you again for the
13 opportunity to share our initial thoughts.

14 CHAIRPERSON PFANNENSTIEL: Devra, may I
15 ask, on your second model, the auction with the
16 utility holding back some of the revenues, I want
17 to make sure I understand this. This would be,
18 normally the credits would be auctioned. But
19 instead of the utility purchasing those credits,
20 it would take the dollars that it would spend in
21 an auction and use those for investment within its
22 own system?

23 MS. WANG: Right. I think the mechanics
24 could go either way. As you just described, or
25 the auction could take place and the state would

1 know how much each utility had spent in the
2 auction.

3 And then if they want to invest that
4 money in something that meets the criteria, for
5 example, efficiency, renewables investments, low
6 emission technologies, could authorize them to use
7 up to the amount of money that they had spent in
8 the auction.

9 CHAIRPERSON PFANNENSTIEL: Because I
10 think most auction concepts would have some
11 entity, the state, for example, collecting the
12 money and using some portion of it for that kind
13 of investment. But this would only be a slight
14 variation in that you would just give it to the
15 utilities to do that, rather than the state doing
16 it?

17 MS. WANG: Right. And it would mean
18 that the utilities who are spending the most on
19 the allowances have the most money to spend to
20 clean up their own system. And so that's one of
21 the appeals of it is that they can invest that
22 money into their system to lower their emissions
23 over time.

24 CHAIRPERSON PFANNENSTIEL: Thank you.

25 MS. GRIFFIN: Other questions from the

1 audience?

2 VICE CHAIRPERSON BOYD: Maybe a quick
3 one. Devra, your reference to being careful about
4 setting precedents and our need to work with the
5 federal government, and the fact that they'll be
6 behind us in line designing a nationwide system.
7 I trust you'll continue to work with us on the
8 dilemma of a lowest common denominator system that
9 tends to get developed at the national level on so
10 many issues vis-a-vis where California feels it
11 needs to be. Because that's always a headache for
12 us.

13 MS. WANG: Absolutely.

14 MS. GRIFFIN: I have two clarifying
15 questions. When you speak about rewarding early
16 action do you mean investments that happened as
17 far back as 1990? Investments that happened, say,
18 at the adoption of AB-32? Or from going forward
19 now to 2012?

20 MS. WANG: I think both time periods are
21 important. We need to both recognize those who
22 have taken action in the past. And encourage and
23 reward early action between now and the time that
24 the program starts. We want to begin reducing
25 emissions as soon as possible.

1 MS. GRIFFIN: And does early action
2 include investment in nuclear and large hydro?

3 MS. WANG: I think that's one of the key
4 issues that we're going to need to discuss. The
5 motivations behind that certainly some would
6 question.

7 I think the key is really the
8 investments that have been made in energy
9 efficiency and renewables and for reducing
10 emissions.

11 MS. GRIFFIN: Okay. And then the other
12 question was you mentioned that the principles
13 should be based on each consumer breathing the
14 atmosphere. I'm never quite sure in NRDC's
15 comments when you say consumer if you mean
16 individual retail consumers or if you mean all the
17 consumers. So do you include industrial and
18 commercial customers as part of the whatever
19 allocation and rights system that would be
20 developed in, you know, what would be the
21 principle that we're --

22 MS. WANG: I think the principle should
23 be every individual in California. But from a
24 practical perspective, moving to a per-customer
25 method makes sense to us.

1 It probably would need to be adjusted to
2 account for commercial customers, industrial
3 customers. We haven't developed all of the
4 details. We're interested in talking with other
5 parties to work through some of those issues.

6 MS. GRIFFIN: Other clarifying questions
7 from the dais? No. Okay. Audience, pop up.

8 MR. BEEBE: Make it quick. Hi, I'm Bud
9 Beebe with the Sacramento Municipal Utility
10 District. Devra, a question about hundred percent
11 auctions. All of this is contexted within the
12 PUC/CEC's regulatory authority.

13 But I'd like to have some idea of how
14 extensive you think an auction really ought to be.
15 Should it include refineries, other large stacks,
16 such as the ARB has suggested? Should it include
17 transportation? Should it include all of the
18 economy of California?

19 How far do we really suggest this ought
20 to go? And, if you don't mind, I'd also like to
21 have some idea of the size of the revenue stream
22 that we'd be looking at with these different
23 programs and scope, if you've got some of that
24 just available.

25 MS. WANG: In terms of the broader

1 system in California, we support, if the cap-and-
2 trade or cap-and-auction program is well designed,
3 including within the cap not just the utility
4 sectors, but also the large stationary sources
5 including the refineries, as you mentioned. And
6 potentially, over time, transitioning to include
7 the transportation sector.

8 Auctioning is a good way to distribute
9 allowances. Particularly in some of the sectors
10 where the opportunity for windfall profits is even
11 more prevalent.

12 And so we certainly would support an
13 auction in a system that includes those other
14 sectors. I don't think the discussion has
15 progressed as far in terms of what the system
16 would be like and what would be done with the
17 auction revenue in those other sectors. But
18 that's something that we're here to continue
19 discussing.

20 MR. BEEBE: And any idea as to how large
21 the revenue streams would be for these different
22 scoping programs?

23 MS. WANG: On the order of a billion, in
24 that range, the electricity --

25 MR. BEEBE: Well, that would be for the

1 utility industry.

2 MS. WANG: Right.

3 MR. BEEBE: Yeah.

4 MS. WANG: Well, so yeah, it certainly
5 depends on the scope of how many sectors you
6 include. And then how tight you set the cap. So,
7 it's a little bit difficult to answer that
8 question without more details about the system
9 overall.

10 MR. BEEBE: Well, we know that the
11 tonnage emissions in California are something like
12 400- or 500-million, right? And the utility
13 sector is a tenth to one-fifth of the total,
14 depending on whether you're just talking about in
15 California or the whole thing.

16 So, maybe 5 billion revenue stream is
17 what we're talking about? Just so that people can
18 begin to understand --

19 MS. WANG: Order of magnitude --

20 MR. BEEBE: Order of magnitude.

21 MS. WANG: -- the utility sectors
22 together are 35 percent of the overall emissions.

23 MR. BEEBE: A large amount of money, but
24 not really large by California standards, I'd sort
25 of say.

1 MS. GRIFFIN: Yes.

2 MR. PEDERSEN: Norman Pedersen for
3 Southern California Public Power Authority. Your
4 comments were a little bit different from what I
5 recall from what you said in the written comments.

6 Am I correct in understanding that your
7 option two is probably your NRDC's preferred
8 option? And if so, can you tell us something
9 about where the rest of the revenue would go,
10 beyond the part that would be returned to -- for
11 example, LADWP, if LADWP were buying the
12 allowances through the auction.

13 MS. WANG: At this point we don't have a
14 preferred option. I presented all of these
15 because I think that there are many different ways
16 up this hill.

17 In terms of the remainder of the auction
18 revenue, the way we've been thinking about it is
19 that some of the purposes that we described are
20 perhaps more appropriately managed at the
21 statewide level.

22 For example, research and development.
23 Today the Energy Commission manages research and
24 development on a statewide basis. So the money
25 that isn't being invested by the utilities,

1 themselves, could be invested to further the goals
2 of AB-32, but some of these statewide type
3 programs, so whether it's research and
4 development, or green collar jobs or some of the
5 other types and purposes that I described.

6 MR. DAGLI: Dhaval Dagli from Southern
7 California Edison. I have one quick clarifying
8 question. In the very early part of your comments
9 you seem to imply that you don't think there
10 should be a connection between point of regulation
11 and allowance distribution method.

12 But while describing your three models
13 you appear to suggest that the full auction would
14 be preferable if it's first seller; and then your
15 second option would be more consistent with the
16 load base.

17 Can you kind of explain? I mean, do you
18 believe that there is a need to be, you know,
19 preferring one distribution method if the point of
20 regulation is one way versus the other?

21 MS. WANG: I think how you meet the
22 principles that we described will differ to some
23 extent under the different points of regulation.
24 My point was that we think that customers should
25 get the benefit of the value of the allowances

1 under any system, regardless of the point of
2 regulation.

3 It's much more of a concern under a
4 first seller type approach because there is more
5 of a potential for windfall profits to unregulate
6 economically regulated entities than there is
7 under a load based approach.

8 MR. DAGLI: Thank you.

9 MS. JOHNSON KOWAL: Karen, I have a
10 question. Just in terms of the structure of this,
11 is there going to be an open discussion after
12 this?

13 MS. GRIFFIN: Yes, --

14 MS. JOHNSON KOWAL: These are just
15 clarifying questions?

16 MS. GRIFFIN: -- a few clarifying
17 questions now and then we'll have a discussion
18 later. But we wanted to get so people think they
19 understand what each party's opposed to.

20 MS. TAM: Christine Tam, DRA. Devra,
21 you mentioned that you support, you have three
22 types of systems that NRDC would support. Two of
23 them are auctions and one of them's allocation.
24 Does NRDC support a partial auction/partial
25 allocation methodology?

1 MS. WANG: Well, this comes back to what
2 I said at the beginning, that the allowances are
3 basically the same thing as money. So whether
4 you're auctioning and distributing the money, or
5 distributing allowances, it's basically the same
6 thing.

7 So we're not really differentiating
8 between the two. For a per-customer distribution
9 you could do that either by giving out the
10 allowances, or by giving out the auction revenue.

11 We prefer an auction because it's a more
12 transparent means of doing so.

13 MS. TAM: But a combination of auction
14 and distribution would also be considered by NRDC?

15 MS. JOHNSON KOWAL: Right. If it meets
16 the principles and the consumers are getting the
17 benefit of the allowance values is what we're
18 focused on.

19 MS. TAM: Okay. I have a second
20 question; this is a quick one. The auction
21 revenue, you stated earlier that you want to see
22 the auction revenue go back to the electricity and
23 natural gas sectors. What about distributing some
24 of these auction revenues to other sectors such as
25 transportation? Would that be also considered

1 appropriate?

2 MS. JOHNSON KOWAL: I think that's going
3 to be part of the broader discussion that ARB is
4 going to have to look at. Our view is that every
5 sector should contribute to meeting the AB-32
6 goal. And so we'd like to make sure that there's
7 programs and regulations in the transportation
8 sector and all of the sectors to make sure that
9 they're contributing.

10 MS. TAM: Okay, thanks.

11 MR. DI CAPO: Hello; I'm Bill Di Capo
12 with the Cal-ISO. I had a question about your
13 point that the point of allocation and the point
14 of regulation don't need to be the same. And I
15 was wondering if you were aware of any examples of
16 a regime where that is the case, and what the
17 experience has been.

18 MS. JOHNSON KOWAL: I think most of the
19 experience to date has been using an auction when
20 the point of allocation is not the same as the
21 point of regulation.

22 However, there are bills pending before
23 Congress that would separate the two. So, I'm not
24 aware of an existing system that does that.

25 Most of the systems to date have

1 grandfathered or auctioned.

2 MR. DI CAPO: Thank you.

3 MS. GRIFFIN: Okay. Moving right --
4 whoops.

5 MR. WILLIAMS: This is Ray Williams from
6 PG&E. I'm actually not going to ask you a
7 question, I just wanted to help answer Bill's
8 question. That RGGI, just in the last week,
9 distributed a very detailed auction design. And,
10 you know, there's an example where they have the
11 point of regulation in one place and the
12 allocation of benefits, as Devra very aptly
13 described, whether it's, you know, value or
14 revenues. They very much talked about having the
15 revenues be in a different place than the point of
16 regulation.

17 So that's something maybe, Bill, you
18 might look at, and we all might take a look at.

19 MS. GRIFFIN: Okay, we're now turning to
20 Scott Tomashefsky from NCPA.

21 MR. TOMASHEFSKY: Thank you, Karen.
22 Good morning, Chairman Pfannenstiel,
23 Commissioners, and as always, it's a pleasure to
24 be in this room. As Kevin has, I've also spent a
25 lot of time in here.

1 Going third actually is helpful in the
2 sense that for your benefit I won't speak as long
3 as I might otherwise. As those of you who know me
4 well know I have no problem speaking for quite
5 awhile.

6 But in this particular instance the
7 issue, itself, is really different from any other
8 issue we've dealt with before. And it has a
9 different type of feel; it's not a public power
10 IOU issue. It's really not a north/south issue.
11 It is an issue that deals with high carbon
12 utilities and low carbon utilities.

13 And as you look through these proposals
14 you really have to balance those type of things.
15 And I think there'll be a point at which, from a
16 program implementation perspective, you're going
17 to have to make that tough choice. And there will
18 be winners and losers in that, depending on what
19 your perspectives are and how to resolve the
20 issue.

21 But I will say, as a starting point,
22 though, all of us in this room take this very
23 seriously. And there is a very firm commitment
24 towards dealing with greenhouse gas issue in the
25 most productive and cost effective way.

1 And one of the challenges that the state
2 has is really taking AB-32 and then trying to
3 bring the policies together that have been
4 orchestrated over the past ten years, starting
5 with AB-1890 and public benefits, and dealing with
6 SB-1 and 1078 and 2021, and SB-1037 and SB-1368.
7 So there is a plethora of regulation and mandates
8 and program designs that have come forth from
9 those actions.

10 And sometimes it requires you to kind of
11 step back and say, okay, let's see how those are
12 all connected. Because sometimes they're not
13 quite as connected as well as we'd like to think.

14 In this particular area you've got lots
15 of moving parts. And so when you look at an
16 allowance allocation mechanism, and fortunately we
17 have some discussion on auction, we've had a fair
18 amount of discussion on allocation mechanisms.
19 We've had the first en banc; we've talked amongst
20 ourselves within our organizations, and there is a
21 lot of precedent in terms of dealing with the
22 auction issue.

23 And the northeast has done us a favor.
24 Ray's reference to this report that was issued
25 last week, it was 130 pages of pretty interesting

1 stuff in there that probably most of us haven't
2 looked at too closely.

3 And as we look at the auction mechanism
4 it's great to have a series of proposals. And I
5 do agree with Devra's comment, this is the
6 beginning of the dialogue on auction. But
7 whatever you do in terms of auction will have an
8 impact on what you do on allowances. And so you
9 always have to kind of step back and say, okay,
10 now I've made one decision here, how does it
11 affect the five or six other moving parts that we
12 have.

13 So, in that sense let me tell you just a
14 moment or two in terms of NCPA and where it fits
15 in. We feel privileged to be able to speak here
16 today, because we do, I guess in terms of our
17 morning panel, we're the only ones at the table
18 that represent a multiple of utilities. We
19 represent 17 member utilities. And so when you
20 look at basic comments that say we are a clean
21 group of utilities, there's a lot more behind that
22 than making a clear statement that we are clean.

23 We are clean. And what you look at in
24 that sense is we have utilities that have carbon
25 footprints that are 100 pounds CO2 per megawatt

1 hour. And we have utilities that are
2 significantly higher than that.

3 So, one of our objectives in dealing
4 with our membership is trying to balance those
5 interests. And in many respects when you look at
6 the interests that we're balancing, we're getting
7 direction from our local elected officials, which
8 represent our Commission that provides our policy
9 direction.

10 So we have to deal with it at the local
11 level from day one; and we have to recognize those
12 concerns. So, I think it's important to
13 understand that.

14 Two elements I just want to talk about
15 today, and then we can go on to the next speaker.
16 In terms of auction, again there's a lot more that
17 we need to discuss. And as much as ARB's schedule
18 is really constrained in terms of next year we're
19 going to be spending a lot of our time down the
20 street at ARB dealing with the scoping plan, the
21 debate of auctions has to be part of that
22 equation.

23 And I think from my perspective we are
24 much further along in making those determinations
25 on the allowance side of the equation than we are

1 on the auction side.

2 For those of us that are a little
3 squeamish in terms of market manipulation, there's
4 probably many of us in the room that do not want
5 to go through any semblance of what happened in
6 2000, we get very nervous about markets. And so
7 safeguards are really important. And those are
8 recognized in many comments that talk about
9 auctions, although detail how you deal with
10 safeguards are extremely important.

11 We don't like the idea of collusion; we
12 don't like the idea of market volatility; we
13 certainly don't want to repeat, and we know we
14 have the ability to look at what at least is being
15 put in play in the northeast to serve as sort of -
16 - to use that as a proxy for going forward.

17 I think the Public Utilities Commission
18 and the Energy Commission have a big opportunity
19 to provide that educational process. And to the
20 extent that you offer those workshops and forums,
21 you'll have many of the same people in the room
22 debating the issues. And it does benefit for all
23 of us. So, thanks for putting those comments up,
24 at least in terms of proposals.

25 In terms of the allowance positions that

1 we take, basically what it comes down to is this,
2 and again, we are generally representing utilities
3 with cleaner profiles. So it would not be
4 surprising that we would feel it allows -- it
5 should be freely distributed using an approach
6 based on sales, not emissions.

7 What that does is if you have a test
8 year that's as close to 2012 as possible, using
9 that data that's most recently available, I think
10 Leilani made that comment, too, that allows for
11 early action. Because we do have a six-year
12 window between when the statute was signed and
13 when things have gone into effect.

14 And you will see a significant amount of
15 activity that is occurring throughout the utility
16 industry to move towards greener and cleaner
17 resources. There's a lot on the table; there's a
18 lot of local boards that have adopted policies
19 that will move us much closer to not only meeting
20 the objectives of our RPS mandates, but doing it
21 for more than just meeting the RPS mandates. It's
22 cleaner and it helps the greenhouse gas situation.

23 So what you're really coming down to is
24 acknowledging early volunteer reductions;
25 recognizing clean portfolios. And it's taking

1 into consideration population and growth trends.

2 Because as you move forward, when you
3 have new market entrants that maybe weren't part
4 of the equation before, we have to find a role for
5 them in this place.

6 Also that test year that we ended up
7 developing still needs to make some -- you have to
8 have some consideration for hydroelectric
9 conditions. Because, as we know, that fluctuates
10 significantly.

11 The use of a test year that falls
12 anywhere prior to the passage of AB-32 may create
13 the unintended consequence for low carbon
14 utilities to the advantage of the utilities with
15 higher carbon footprints. So basically we don't
16 want to get in a situation where you have to have
17 a clean utility that's forced to deal with
18 purchasing allowances to become cleaner when they
19 really can't in practicality without a market
20 condition. And there really is no reason for them
21 to get cleaner when they're that clean. And,
22 again, that's a debatable issue, as all of these
23 are.

24 The allocation process should be updated
25 annually based on the most recent verifiable

1 information that's available. When we talked
2 about this issue in, I guess it was July or
3 August, I know it was the 21st, I don't remember
4 which month it was, but I know the date.

5 There were numbers being thrown around,
6 2004, 2005, 2004/5, some combination to deal with
7 normalization hydro. But in essence, if you lock
8 it at a position that's too far in the past you're
9 not taking into consideration the things that
10 we've done between the passage of AB-32 and the
11 implementation of the regulations.

12 And, again, we do not favor an auction.
13 But if we're going to choose it to be one, it
14 should be something that's gradually implemented
15 and designed so the proceeds are returned to the
16 customers that bore the costs of obtaining the
17 credit. It goes back to the utilities. And,
18 again, we need to have specific revisions in there
19 to prevent market manipulation.

20 With that in mind, I will take
21 questions.

22 MS. GRIFFIN: Scott, you seem to
23 differentiate between two different things in
24 terms of early action. I thought I heard you
25 define early action as actions between the

1 adoption of AB-32 and the compliance year and
2 another thing called clean portfolio. Are those
3 different?

4 MR. TOMASHEFSKY: It's in that -- you've
5 actually hit on the problem with a lot of the
6 terms that are in here. You've got early actions,
7 which are different tracks that ARB is dealing
8 with in terms of their low-hanging fruit, the low-
9 hanging fruit, early volunteer reductions.

10 You can look at that a couple of ways.
11 If you are looking at it based on your resource
12 mix, for example, you will have a situation where
13 your resource mix will reflect the things that you
14 have done in the past.

15 So, by definition, if you have made a
16 significant shift to go from a lower RPS to a
17 higher RPS, your carbon content will come down
18 accordingly.

19 So when you're looking at early action
20 it's things before 2012, in essence. But the
21 statute, itself, allows you this opportunity to,
22 you need to get your action in here to reduce your
23 carbon footprint as early as you can.

24 MS. GRIFFIN: Okay. And then you gave
25 an example of you have some members who are below

1 any conceivable statewide target if it were done
2 in terms of intensity. And you recommend that
3 they get a proportional share based on retail
4 sales.

5 Is it then your expectation that they
6 would be in the market in selling allowances?

7 MR. TOMASHEFSKY: You could look at it
8 that way. From one perspective you may have a
9 situation where those investments that are being
10 made are done at a higher rate. If you've got a
11 larger investment in renewable resources, then you
12 could argue that some of those costs that you have
13 incurred to make those investments should offset
14 some of those higher costs. So that's one way of
15 looking at it.

16 There's somewhat of a misnomer in terms
17 of some hydroelectric investments, that it is a
18 cheap resource. It's a cheap resource once the
19 debt's paid off. It is not a cheap resource when
20 you are paying off the debt.

21 And so when you have commitments of 20
22 and 30 years, you do have a significant share of
23 costs that you have to incur.

24 MS. GRIFFIN: Other questions from the
25 panel? Okay. Audience? Just stunned by the

1 brilliance and coherence of his comments.

2 (Laughter.)

3 MR. TOMASHEFSKY: I'll take that as a
4 compliment.

5 MS. GRIFFIN: Okay.

6 ADMINISTRATIVE LAW JUDGE TerKEURST:
7 I'll ask a question. You advocate distributing
8 allowances on the basis of sales. But my concern
9 with that is how do you incorporate or reflect
10 utilities that have put money into energy
11 efficiency?

12 MR. TOMASHEFSKY: That's an excellent
13 question, actually. I'm glad you raised that.
14 There needs to be some accommodation for that
15 because it certainly can provide, on its face, a
16 disincentive if you reduce your sales based on
17 energy efficiency, the allowances are not there.
18 So that's something that needs to be part of the
19 equation.

20 VICE CHAIRPERSON BOYD: Madam Chair,
21 maybe I'll make a comment more than a question,
22 Scott. Welcome back in the building.

23 MR. TOMASHEFSKY: Thank you.

24 VICE CHAIRPERSON BOYD: Good to see you.
25 It really seems obvious, I'm sure, to both you and

1 I and your membership that this low carbon
2 footprint that benefits you so much, in turn makes
3 you real fans for solving this problem of climate
4 change, because victim number one is going to be
5 water and precipitation in this state. And that
6 will really affect your carbon footprint. So
7 hopefully we can work together to solve that
8 problem.

9 And I'm just a little interested in the
10 position on not having to be penalized by buying
11 credits in a situation that might not recognize
12 your position. But it does sound to me like
13 you're in a good market position to sell credits.
14 So, we'll have to take that into account in
15 figuring this all out.

16 MR. TOMASHEFSKY: Yeah, I think it's
17 balancing the interests of all stakeholders that
18 is the challenge. Thank you for the comment.

19 MR. MURTISHAW: Scott, I'm curious with
20 these proposals that advance allocating on the
21 basis of either sales or customers, and so this
22 could also be directed to NRDC, have you put much
23 thought into how you differentiate between the
24 degree to which the carbon rate is low because of
25 active decisions made, proactive programs to

1 reduce it, versus what was Norm's phrase,
2 geographic and historical coincidence or happiness
3 or something along those lines.

4 (Laughter.)

5 MR. MURTISHAW: So that you are truly
6 rewarding early action investment in energy
7 efficiency, aggressive energy efficiency and
8 renewables programs versus rewarding having a
9 utility located in northern California that
10 benefits from hydro availability.

11 MR. TOMASHEFSKY: I think that's an
12 excellent question. And I almost have to answer
13 it by half-answering it, in a sense, that when you
14 have regulatory schemes that change over time,
15 there needs to be opportunities to make the
16 transition. And the transition for AB-32 is
17 really, as we look at it, it's this six-year
18 window of between when the statute was signed,
19 getting these things in play.

20 So, whether you're geographically
21 advantaged or disadvantaged in terms of what your
22 profile is, the regulatory scheme and the
23 statutory scheme is changing. And so whether some
24 benefit from the perspective of being in a certain
25 area or not is something that you'll have less

1 control over.

2 What you have control of, as a
3 regulatory body, or series of regulatory bodies,
4 is to find a way that makes that work best, that
5 minimizes the impact on consumers across
6 California.

7 And so we can sit there and debate that
8 issue all day long in terms of well, we happen to
9 be cleaner as far as where we're starting as
10 opposed to maybe some utilities that don't have
11 access to that.

12 But you need to understand that
13 perspective so that you can make an informed
14 decision. And so I'm not going to take the bait
15 in terms of what you want me to say and what you
16 think I might say, but just put it out there as
17 these are the things that we need to consider.
18 And there are impacts, positive and negative, in
19 terms of whatever action you take.

20 MS. GRIFFIN: You get a point for
21 honesty.

22 MS. WANG: I just want to add briefly to
23 Scott's point about the transition period, because
24 I think a lot of parties are arguing that they
25 need a transition now.

1 I think, from our perspective, the
2 transition started back in 1990. And all parties
3 have known that greenhouse gas emissions were a
4 very significant risk since 1990.

5 I think in our view, 15 years, more than
6 that, has been a fairly long transition period.
7 And entities that willingly took on that risk
8 should bear the risk.

9 So I think that's an important part of
10 the discussion that we need to have about when
11 should that transition period start.

12 MS. GRIFFIN: And you select 1990
13 because of Kyoto?

14 MS. WANG: Right, the IGCC assessment,
15 consumer advocates. NRDC, for example, put out a
16 letter in early 1991 putting the utility sector on
17 notice that we expected them to manage this risk
18 or to bear the risk.

19 There's been, you know, numerous dates
20 that you could select along the way. But
21 certainly the formation of the UNFCCC and all of
22 the scientific consensus around climate change
23 started many many years ago.

24 MR. TOMASHEFSKY: Just to give you one
25 practical example of one of our members who I'll

1 leave for you to figure out who that is, but in
2 terms of what they have done over the last year,
3 they have gone from basically -- well, between now
4 and 2011 they will go from 100 percent coal to 40
5 percent renewable. And it'll still be 60 percent
6 coal, but in terms of taking what you understand
7 to be the changing direction of policy and
8 accommodating the needs of statewide objectives,
9 that's what we're all -- you know, our membership
10 is in that business of dealing with.

11 And so when you look at the call for a
12 transition, there's very clear action there.
13 You'll see clear action in terms of mandates that
14 have been updated. DWP is a good example in terms
15 of dealing with RPS. They've been extremely
16 aggressive and are moving in the right direction.

17 And those are the type of things that
18 are happening, not only in anticipation of the
19 statute being signed, but in terms of dealing with
20 a lot of these other policies that are pushing
21 green and clean resources.

22 MS. GRIFFIN: Thanks, Scott. We're now
23 going to turn to the last of our initial speakers,
24 Gary Stern from Southern California Edison.

25 DR. STERN: Good morning. There's a

1 brief presentation that I guess is going to be
2 brought up associated with my discussion this
3 morning.

4 I wanted to first thank the Commission
5 and the Staff and the ALJ for providing the
6 opportunity --

7 CHAIRPERSON PFANNENSTIEL: Can you dim
8 the lights by the screen so we can see it better?
9 Thank you very much.

10 DR. STERN: And for those of you on the
11 phone you're not really going to miss that much by
12 not being able to see the materials. I hope to
13 just be verbally explaining what's going on here
14 anyway.

15 I think Commissioner Pfannenstiel sort
16 of got this off on the right foot by using an
17 important work in her initial remarks:
18 compromise. We are talking about, as Devra noted,
19 essentially an allocation of dollars here when
20 we're talking about distributing allowances.

21 And, in fact, in that regard there
22 really is no right answer. So while I'm going to
23 be getting up here and giving you a proposal as to
24 one way I think it should be done, and we've heard
25 several already, I don't think any of us can say

1 that we are right and the other is wrong. Because
2 this is the type of problem that really doesn't
3 have a right answer.

4 Can we move to the next page. You also
5 see, from this discussion, that, in fact, there
6 are a variety of viewpoints, since this, our view,
7 doesn't actually match any of the prior speakers.

8 We look at what's happened here as a new
9 set of rules that is being developed that is going
10 to be implemented that simply changes the game,
11 changes the economic perspective with which we
12 have been operating under several years, and with
13 which investments and decisions have been made.

14 And we think that what we would like to
15 do during this transition, and here I'm defining
16 transition as basically the period from 2012
17 through 2020, as we go through AB-32 process of
18 reducing emissions. What we're going to be doing
19 is causing some economic dislocation to many in
20 the electricity sector. I'm focusing on that, but
21 these points go beyond the electricity sector.

22 And that one way in which we can try and
23 mitigate that economic dislocation is through
24 appropriately allocating allowances. And we
25 believe to those who are going to suffer the harm

1 that's caused by this change in rules. And there
2 are various types that I'm going to describe as to
3 how these rule changes are going to cause economic
4 harm.

5 I think by doing so what we will provide
6 is a smoother transition that doesn't have the
7 adverse impact on the economy that it might
8 otherwise have. I think if we are trying to set
9 an example for others to follow, I think it is of
10 paramount importance that that example doesn't
11 destroy parts of the economy, or seriously impact
12 sections of that economy. And so trying to
13 mitigate those that are going to be harmed seems
14 like the best way to do that.

15 So our proposal would have some impact
16 on customers to mitigate the harm that they're
17 going to feel. In fact, I think in California
18 they may be, by far, the largest sector on the
19 electricity side that is experiencing harm. But
20 they're not the only one.

21 We want to also mitigate the harm that
22 comes to other entities that are participating in
23 the electricity sector. And I think that we must
24 recognize that we want investment in the
25 electricity sector in California. And we have to

1 be very careful not to set up rules that say
2 please invest in our sector, but by the way, when
3 we change the rules we're going to ignore the
4 value of the investment that we asked you to make,
5 and simply take that away through changing the
6 rules. And hope that you'll invest again as we go
7 forward.

8 Basically we cannot be the Lucy Brown --
9 I'm sorry, the Lucy to Charlie Brown with the
10 football and expect that Charlie Brown's going to
11 keep coming and trying to kick that football.

12 If we want to continue to invest in
13 California, and in this case now we're saying we
14 want investment in clean technologies in
15 California that are going to help reduce GHG. We
16 can't tell people that, you know what, invest
17 today because, you know, you will see a return on
18 your investment, if we're going to change the
19 rules and punish people who made investments
20 yesterday. So we have to keep that in mind.

21 Also, there's been a lot of concern
22 associated with creating windfall profits through
23 the use of these allocations. And some people
24 say, well, you know what, some generators are
25 actually going to benefit as a result of putting

1 these programs, the GHG reduction program in
2 place, because wholesale prices will be higher.

3 Or they're going to be able to capture
4 the value of their low GHG-emitting resource
5 through bilateral contracts with LSEs under a
6 load-based approach.

7 The idea that some may benefit as a
8 result of putting this program in place, therefore
9 we should not give any allowances to the
10 generation sector, even if there are others who
11 may be harmed, I think is taking a sledge hammer
12 to the problem.

13 I think all we have to do is be able to
14 effectively differentiate those that might receive
15 a windfall if we gave them allowances from those
16 that won't. And I think that's not very difficult
17 to do, as I'll describe.

18 Okay, moving on to the next page.
19 There's another couple of fundamental principles
20 that are important for us to recognize. And we've
21 heard this one already. The point of regulation
22 is independent of the allocation mechanism. And
23 if you think of it as I'm trying to describe it in
24 terms of economic harm, I can tell you that I've
25 done a fairly extensive analysis showing that the

1 economic harm doesn't depend on the point of
2 regulation. And if you are going to focus on
3 economic harm as a means of allocation then this
4 point becomes particularly clear.

5 But I think we've also heard others who
6 are not talking about economic harm who also
7 recognize that the point of regulation need not
8 have any relationship to the allocation mechanism.

9 There's another important point here
10 that we need to note, as well, though, which is
11 that the incentive to reduce emissions is coming
12 from putting the cap-and-trade program in place in
13 the first instance, basically resulting in a price
14 of carbon emissions. Such that if I have a carbon
15 emitting process I'm going to have to pay for it
16 going forward. And that's going to provide me an
17 incentive to reduce my carbon emissions.

18 That doesn't come from the allocation
19 process. That's separate. The allocation process
20 is handing out these dollars. And we have to
21 recognize that those things are separate from one
22 another.

23 Okay, so I talked about economic harm
24 being a reasonable basis for performing this
25 allocation. Let me just sort of describe the

1 three primary ways in which, in the electricity
2 sector, economic harm will be felt.

3 Some customer economic harm will be felt
4 from the -- as the result of higher prices. Now,
5 I'm describing this as if the point of regulation
6 was a source-based approach. The answer doesn't
7 change, but it's easier to describe it this way,
8 so accept that for the moment.

9 So you might want to think of this, for
10 instance, as the simplest case being say an energy
11 service provider, and ESP, through direct access,
12 that doesn't have any owned portfolio resources,
13 that simply buys from the wholesale market.

14 Well, the customers of that ESP are
15 going to be facing higher prices in the market of
16 putting this program in place. And they're going
17 to suffer some economic harm, because as a result
18 of emissions being reflected in the wholesale
19 price, the price the customers pay will change.

20 So the degree of economic harm is going
21 to be a function of how much purchasing in the
22 market is being done, and how much emissions is
23 reflected in emissions costs in that market price.

24 The second example of economic harm
25 could be considered from the perspective of a

1 merchant generator. So, now let's take the side
2 of a generator that's not really connected to any
3 load, that's simply selling into the market.

4 A generator that's clean, cleaner than
5 the market, basically the marginal unit that is
6 setting the price in the market has emissions
7 associated with it typically. In California it's
8 almost always natural gas. Natural gas has carbon
9 emissions; natural gas will be more costly under a
10 cap-and-trade program. And so that market price
11 is going to be reflected in the natural gas bidder
12 into the market, and ultimately in the clearing
13 price.

14 But if you're cleaner than that marginal
15 unit, then, in fact, you're not going to be
16 suffering economic harm selling into that market.
17 In fact, you may be making higher net revenues
18 than you were before because you're not having to
19 incur as high a cost for your emissions as the one
20 that's setting the market clearing price.

21 But, if your emissions are greater than
22 that unit which is setting the clearing price,
23 even though, again, you've made an investment in
24 California based on what we wanted you to do. We
25 wanted investment in generation to insure

1 reliability of our system.

2 Now, it turns out that we're judging the
3 value of energy not just based on its cost for
4 basic production, but its GHG profile. And you
5 are higher than that marginal unit. Well, now
6 your emissions costs, under the GHG program, cap-
7 and-trade program, will be greater than the
8 additional revenue you will see from these higher
9 prices in the market, and you're going to suffer
10 some economic harm.

11 The final example here would be a load-
12 serving entity, such as a utility, that actually
13 has some generation in its portfolio. In this
14 case the utility might also be purchasing from the
15 market. If you're purchasing from the market
16 we've described how that economic harm comes
17 about.

18 But if you have generation in your
19 portfolio that emits GHG, then there will be a
20 cost associated with that under a cap-and-trade
21 program. And you, on behalf of you customers,
22 will be suffering the economic harm associated
23 with all of those emissions from your own
24 portfolio of generation.

25 So what we've seen is that a load that

1 purchases from the wholesale market is going to
2 suffer some economic harm. Load that is served
3 directly by owned generation that is emitting GHG
4 will suffer economic harm. And merchant
5 generation selling into the market whose emissions
6 is greater than that unit which is setting the
7 market clearing price will also suffer economic
8 harm.

9 And we think it makes sense to recognize
10 who is suffering the harm and try and establish a
11 program that attempts to mitigate that.

12 And so, in this I've tried to sort of
13 illustrate how one could try and do that. You
14 could try and -- it doesn't have to be, but you
15 could try and mitigate this economic harm
16 proportionately as I've shown here.

17 In other words if you can establish some
18 measurement, and it's not really that hard to do,
19 of these types of economic harm, recognize there
20 will not be enough emissions allowances to fully
21 mitigate the economic harm that is going to occur
22 here.

23 In part, that's because we're going to
24 be reducing emissions from historic levels, and we
25 could not possibly have sufficient allowances to

1 deal with the economic harm that comes and reduce
2 emissions at the same time.

3 And it's also true that if, in fact, as
4 I described earlier, there are going to be some
5 who are selling into the market who are now making
6 more money than they were before because they're
7 cleaner than that market. Well, if they're making
8 more money as the result of putting this program
9 in place, you have to recognize that somebody's
10 paying for it. And it's essentially those that
11 are suffering the economic harm.

12 So there's also going to be a shortage
13 of enough allowances to fully mitigate the
14 economic harm as a result of those that are
15 actually benefitting.

16 And I realize that this is coming at you
17 kind of fast, and I've got math to show all this
18 that you don't really want to see today.

19 In any case, one way then we believe, in
20 addition to those that you've heard before, that
21 we think makes sense as an allocation approach,
22 and really does fall into perhaps the category of
23 compromise between the historical emissions that
24 LADWP discussed and the customer-only approach
25 that NRDC advocated, along those lines our

1 proposal that focuses on well, who is really going
2 to be suffering some economic dislocation as a
3 result of this program, that can form the basis
4 for an allocation approach.

5 And for the reasons that I've described
6 we think that that should be considered as an
7 alternative to solve this problem that, again,
8 doesn't have a right answer. There are a lot of
9 important factors that we can and should consider.
10 And we believe that economic harm is paramount
11 among those.

12 Thanks. And I can answer clarifying
13 questions. I think I'll move back to the table,
14 so people can ask from up here, to answer those.

15 CHAIRPERSON PFANNENSTIEL: Well, may I
16 ask, why would you not advocate an auction to
17 accomplish what you're looking at here? It seems
18 like the auction revenues then can flow back to --
19 if it turns out that that's the social benefit
20 that government regulators decide, to mitigate the
21 impact of what you call economic harm on
22 customers.

23 DR. STERN: Actually I'm not saying that
24 there should not be an auction. Effectively, I
25 agree with Devra from the NRDC that really we are

1 talking about dollars. And an auction is a
2 mechanism by which we can establish the value
3 associated with the allowances.

4 I guess, to be completely frank about
5 all of this, I think establishing the allocation
6 rules up front so that the proceeds, the dollars
7 associated with these allowances, makes us a lot
8 more comfortable than the notion that we will
9 first have an auction by the government associated
10 with all the values of these allowances. And then
11 we will hope that there will be a distribution of
12 the funds that makes sense.

13 I think, in a sense, once you put those
14 dollars in the hands of the government, the
15 several billion dollars a year, there's a risk
16 that things that are completely unrelated to what
17 we're trying to do on the GHG program, the
18 pressures will be to take some dollars and use it
19 for those purposes.

20 So the real reason why we're talking
21 about allocating the allowances, when we do
22 understand it's the value of the allowances, is
23 that establishing these rules for what happens
24 with that value up front makes sense.

25 At that point in time, once the

1 allowances -- the allocation of the allowances is
2 determined, I think the means by which people have
3 access to acquire allowances, an auction is
4 probably the best way to do it.

5 So, we sort of view this as perhaps a
6 two-step process. First, you allocate the
7 allowances so that people have the rights
8 associated with those. Then you gather them all
9 up and auction them off to turn them into dollars
10 in a nondiscriminatory transparent way. But the
11 value of those dollars has been established
12 through the allocation process.

13 CHAIRPERSON PFANNENSTIEL: If I might,
14 it seems then there are two principles that you're
15 espousing. One is that the principal beneficiary
16 or not beneficiary, but the first goal is to
17 provide that your ratepayers do not get harmed.
18 It seems like that's your first principle that
19 you're looking for.

20 DR. STERN: Well, again, I'm looking as
21 basically no entity involved in the electricity
22 sector would be harmed, doesn't get some degree of
23 mitigation through the value of these allowances.
24 So it's not -- I'm not limiting it to ratepayers.

25 In other words I gave merchant

1 generation as an example, to the extent there is
2 merchant generation investment that took place in
3 California that is now going to suffer harm as a
4 result of this program, I don't think we can
5 simply turn our back on that without potentially
6 sending a chilling signal, you know what, we, in
7 California, can change the rules anytime we want
8 and take away the value of your investment. But,
9 by the way, we still hope that you're going to
10 invest in the future in our state. I think that's
11 a real danger.

12 CHAIRPERSON PFANNENSTIEL: I understand,
13 thank you. The other point I think that you're
14 espousing is that you think that to the extent
15 there's any cash that actually flows through this,
16 rather than just the value on the allowances, that
17 cash should be essentially at the utility level to
18 distribute, as opposed to the government level?

19 DR. STERN: Yeah, I think that -- and
20 really what it should be is when we talk about
21 LSEs receiving the value of the allowances, be
22 they utilities or ESPs, I think the expectation,
23 if not the rules, are that that's on behalf of
24 their customers. And that that value is flowed
25 back to customers.

1 CHAIRPERSON PFANNENSTIEL: Thank you.
2 Other questions from the dais? Karen.

3 MS. GRIFFIN: By the panel?

4 MS. WANG: Can you clarify how you would
5 expect your proposal, in practice, to be different
6 from a grandfathering approach?

7 DR. STERN: I think in establishing the
8 economic harm, looking at emissions at some point
9 in time, such as 2005, I wouldn't go back to 1990,
10 but I'd look at sort of before AB-32 came into
11 place. And looking at the status at that point in
12 time is a key element to measuring the economic
13 harm.

14 And that for that element I think, you
15 know, that would fall into what you call
16 grandfathering. In other words, if you had
17 generation in your portfolio that had GHG
18 emissions that were causing you economic harm at
19 that point in time that would cause -- that would
20 be the basis for the determination of the harm for
21 which you would receive allowances.

22 So, in that sense I'm not saying that
23 this completely eliminates what you would call
24 grandfathering. I think that is an element of the
25 economic harm.

1 MS. GRIFFIN: Audience?

2 MR. McCARTNEY: Hi. Wade McCartney,
3 CPUC Division of Strategic Planning. Enjoyed your
4 presentation, Gary. Could you comment on the math
5 examples, or you have additional slides in your
6 presentation? That would be informative to hear.

7 DR. STERN: Yeah, I think the specific
8 math that I referred to in my discussion had to do
9 with the fact that the harm that is faced doesn't
10 depend on the point of regulation.

11 I've written a paper about that that I'd
12 be happy to provide. I think I've actually
13 provided it to others at the CPUC before. And I
14 also have a presentation that goes to that.

15 The other element of the math, if you
16 want, is when I talk about the economic harm that
17 I showed in the graph here, again the calculation
18 of that can be shown in equation form. I think
19 that is actually in an appendix to the
20 presentation that I didn't show, but that should
21 be available now at the CEC. But I'd be happy to
22 make that available otherwise.

23 So, there's math for both elements of
24 it.

25 MR. McCARTNEY: Thanks.

1 DR. BUSCH: Hi. Chris Busch, Union of
2 Concerned Scientists. I think you said the
3 incentive to reduce emissions is independent of
4 the allocation method, is that right?

5 DR. STERN: Yeah, and I should probably
6 clarify that. Under normal circumstances. In
7 other words, it's possible to develop allocation
8 mechanisms that do impact the incentive. But -- I
9 talked about you're sort of establishing this harm
10 basis prior to, and you're not changing it as you
11 go over time, then, yes, then your actions to
12 reduce emissions are going to be affected by the
13 prices in the market and not by the check you get
14 each year associated with the value of your
15 allowance allocation.

16 DR. BUSCH: I see. I just wanted to
17 make clear that so grandfathering based on 2011
18 isn't going to be the same as an auction.

19 DR. STERN: That's right. And I
20 wouldn't suggest doing that for some of the
21 reasons we described earlier. You certainly would
22 not want to create an incentive for people to try
23 and increase their portfolio now in expectation
24 that somehow they're going to be rewarded for it.

25 I think the date that you use for this

1 determination has to have already passed. And I'd
2 suggest something like, you know, recent history
3 prior to passage of AB-32 as an example.

4 MS. KAHL: Hi, I'm Evelyn Kahl on behalf
5 of the Energy Producers and Users Coalition. And,
6 Gary, you made an assumption in your presentation
7 that merchant generators who have lower than
8 marginal emissions won't experience harm.

9 And I'd like to explore whether that's
10 true in all cases. And I guess I'd like to begin
11 by saying in my observation academics, first of
12 all, don't agree on the extent to which carbon
13 value will be reflected in market price
14 ultimately. And acknowledge that there might be
15 some transition period when that value won't be
16 fully reflected.

17 In addition, they comment on the fact
18 that there are differences among generators. Even
19 if the market price perfectly reflects carbon
20 value, there will be some generators situated
21 different from others.

22 And then we will have existing contracts
23 which may or may not recover those costs. And
24 finally, we will have generators who recover their
25 costs under administratively determined prices.

1 So, it seems to me that it may be an
2 overstatement that those types of generators won't
3 experience harm.

4 DR. STERN: I think that's a fair
5 clarification. I tried, although pretty subtly,
6 without getting into those details, to say that
7 the merchant generators would, in general,
8 experience harm, or that, in fact, these were the
9 three general categories.

10 But there are exceptions. For example,
11 a merchant generator that is not selling to the
12 market, but actually is under a long-term contract
13 that goes into the AB-32 compliance period; and
14 does not have any means through that contract to
15 recover its emissions costs, would suffer economic
16 harm associated with all of its emissions without
17 any offsetting revenue from the market, because in
18 this case, the generator isn't selling to the
19 market. They're selling otherwise, through
20 contract.

21 So, there are potential exceptions. Now
22 I don't really accept the notion that we shouldn't
23 be assuming that the cost of emissions isn't going
24 to be reflected in the market.

25 I think we actually have experience in

1 what happened in the Economic Union, experience
2 that actually is perhaps the primary cause of a
3 lot of the windfall concern. Because they did not
4 fully anticipate the degree to which the emissions
5 costs would be reflected in higher wholesale
6 prices. And therefore, allowances were given to
7 some who benefitted as a result of the higher
8 wholesale prices, as well as the value of the
9 allowances. And were better off after the program
10 was implemented than before.

11 So I don't think we should be assuming
12 otherwise here.

13 MS. KAHL: And, Gary, if you'd go one
14 step further with me. Let's assume --

15 MS. GRIFFIN: I want to make sure that
16 we have enough time in this session to talk about
17 auction issues. And I --

18 (Parties speaking simultaneously.)

19 MS. KAHL: And that's where I'm going
20 right now.

21 MS. GRIFFIN: Okay, thank you.

22 MS. KAHL: Let's assume that the state
23 does establish an auction, and let's assume that
24 you are wrong and that marginal generators aren't,
25 or generators who have emissions lower than the

1 marginal emissions, aren't able to recover their
2 costs.

3 What could the consequences be for
4 California for reliability purposes if generators
5 aren't able to fully recover their carbon costs
6 under an auction?

7 DR. STERN: In either case I think what
8 we should see is the action of generators
9 competing in the market is going to be based on
10 their rate of emissions, not based on their
11 allowances.

12 The problem we face is that if, in fact,
13 there are generators, as you've postulated here,
14 who are suffering economic harm, who cannot
15 recover it in the market, then at some point, in
16 fact, we may be driving these generators out of
17 business when we shouldn't. So, you know, there's
18 a risk there that we are destroying the value of
19 these investments to certainly a greater degree
20 than we would want.

21 Now, recognize -- maybe I wasn't and I
22 wanted to be clear -- there's not going to be
23 enough allocation to go around, which means that
24 this mitigation of economic harm would not be
25 complete. In other words, if you get some

1 allowances it's not going to be enough to fully
2 mitigate the economic harm that you're suffering.

3 So I'm not expecting that anybody's
4 going to have their harm completely offset; only
5 partially.

6 MS. KAHL: Thank you.

7 MS. GRIFFIN: Okay, one more.

8 MR. WILLIAMS: I have just a couple of
9 questions, and maybe I'll save an observation for
10 later. I think that's probably how you want to
11 go.

12 On the LSE front you talk about economic
13 harm. So how would you set that dividing line
14 between an LSE's portfolio that does not suffer
15 economic harm and one that does?

16 DR. STERN: In an LSE's portfolio, say
17 the resources that they own, the economic harm
18 comes from the GHG associated with those. So if
19 you have resources in your portfolio that are non-
20 emitting like nuclear or hydro, some renewable
21 resources, you're not going to suffer any economic
22 harm associated with those.

23 But if there are resources in your
24 portfolio that do result in emissions you'll be
25 suffering economic harm. And if you have a short

1 position in the market and you're buying at higher
2 wholesale prices, you'll suffer economic harm from
3 that.

4 So you can look at the historical
5 emissions in the portfolio and the short position
6 in the market to determine the economic harm of an
7 LSE.

8 MR. WILLIAMS: So you'd have to
9 determine some sort of marginal emissions rate
10 which is the dividing line. And then somehow work
11 in the default emissions rate to make that
12 determination, as well?

13 DR. STERN: In order to understand the
14 degree to which wholesale prices would be expected
15 to rise causing economic harm, you do have to come
16 up with some sort of an estimate of the marginal
17 emissions rate.

18 Now, the final allocation results aren't
19 real sensitive to did I get that number exactly
20 right. But it is true that there's an additional
21 assumption, or rather, you know, historical
22 evaluation of emissions that's necessary to
23 implement this as I've described.

24 MR. WILLIAMS: And then my second
25 question. You had those two pie charts that were

1 up there. And the one on the right was lower, was
2 smaller than the one on the left.

3 DR. STERN: Yes.

4 MR. WILLIAMS: And that reflects, if I
5 have it right, that reflects just the fact that
6 there's fewer allowances in the market generally
7 over time, and not a phase-out of your proposal
8 over time.

9 DR. STERN: That wasn't meant to
10 represent a phase-out. That was meant to
11 represent the fact that there are not going to be
12 enough economic -- enough allowances to fully
13 mitigate the economic harm.

14 So, I'm not suggesting that we can
15 identify everybody that's harmed and give them
16 enough allowances to make them as well off as they
17 were before. In fact, everybody who is suffering
18 economic harm is still going to suffer some. We
19 would simply be mitigating it to some degree
20 through this proposal.

21 MR. WILLIAMS: But no phase-out?

22 DR. STERN: I wasn't suggesting a phase-
23 out. I imagine that's going to be contemplated as
24 part of the process, and I'm not recommending it
25 at this stage.

1 MS. GRIFFIN: Thank you. We did get a
2 number of very thoughtful comments about auction
3 design. And also some comments which said, oh,
4 start our with whatever you have to start out with
5 in terms of allowances. But transition to an
6 auction quickly because that's really the way to
7 do it. And then distribute the money.

8 And then people who said, well, start
9 out with a little bit of auctions and go slow
10 because you're bound to get it wrong in the first
11 stages. And it's so important that you pilot and
12 take it softly.

13 So, I'd like to hear from people who
14 believe that an auction design is actually auction
15 more sooner is a better design for California.
16 And those who think -- what are the reasons for an
17 auction later kind of design.

18 Audience? Come on.

19 MR. GOLDBERG: I won't be shy. Lenny
20 Goldberg on behalf of TURN. We participated in
21 the MAC process and I think, if you followed that
22 process, I believe that the Market Advisory
23 Committee came pretty much by a process of
24 elimination, and I believe that this process will
25 do the same. Which is that we really cannot find

1 satisfactory principles by which to give away
2 allowances.

3 We had people there participating in the
4 European system who saw that it was all
5 basically -- every time you asked how were these
6 allowances given out, the answer was, it was
7 political. We decided on a political basis.

8 The issue of early action becomes one,
9 how do you reward early action. In an auction
10 system early action is its own reward. That is to
11 say, to the extent that you have energy efficiency
12 and lower sales, to pick up on the comment with
13 regard to do we allocate by sales, to the extent
14 that we have lowered our emissions over any number
15 of years, whether it's 1990 or whether it's 2005.

16 When you go to the market and have to
17 buy permits, that basically says we are rewarded
18 for having to buy fewer permits. Those who have
19 not made the transition have to pay more money.

20 Now, the question for TURN, as consumer
21 advocates who support 100 percent auction, really
22 gets down to, and I appreciate the comment from
23 Gary from Edison, with regard to understanding how
24 revenues from auction will be allocated, right in
25 the beginning, as part of the process.

1 Because we've argued, and you'll see it
2 in our briefs, that, in fact, ratepayers have
3 already take a number of early actions. We fund
4 an enormous number of energy efficiency,
5 conservation, solar, -- potential research through
6 our rates already.

7 So the question becomes what is the
8 impact on rates of auction design, certainly one
9 that we care about. And I think there are -- I'm
10 going to speak in broad-brush because there are
11 some questions about market clearing prices and
12 what happens to the last unit in, and the extent
13 to which that last unit in determines a price that
14 actually leads to a number of windfalls.

15 But, as I said, a little more broad-
16 brush here. We believe that the revenues from
17 auction, to use the phrase who owns the sky, or
18 Devra's comment about all citizens owning the sky,
19 the question becomes how are those revenues
20 returned.

21 They can be returned to make ratepayers
22 whole. They must be, I think, in the context of
23 AB-32, must be returned for the purposes of the
24 program.

25 Now, that may be mitigation of economic

1 harm; certainly mitigation for low income people
2 who have the lowest carbon footprint but are
3 harmed the most by the inelasticity of certain
4 kinds of energy use.

5 So the revenue piece is of a major
6 piece. But I believe that this process will go
7 through a process of elimination, as the MAC did,
8 which is to say we can't figure out an equitable
9 way to give away allowances. I want to say
10 everybody talks about the market, but nobody wants
11 it if you don't, you know, a market is where you
12 buy and sell something of value. You buy the
13 allowances as one of value.

14 The benefit of the market is that people
15 are making, not in a regulatory context, but
16 millions of individual changes. You can change
17 your processes; you can change your
18 decisionmaking; you can change your planning
19 horizon knowing that you're going to face a price
20 structure that incents you to make a variety of
21 changes.

22 I should also say that some of the
23 comments in the -- we spoke to this in our
24 comments, but you do want a deep market, you do
25 want transportation fuels. I commend you to

1 market program four in the Market Advisory
2 Committee process in which they speak to not just
3 a sectoral market in electricity, a sectoral
4 market in transportation fuels, but a broad based
5 market which is upstream where you're essentially
6 buying permits, allocations, as fossil fuels enter
7 the stream of commerce.

8 And if you move significantly upstream
9 you have far fewer regulatory issues. And what
10 you're really doing is you're changing relative
11 prices so that downstream people can make all the
12 adjustments that they can make to avoid those
13 price penalties, to let the market work, in fact.
14 And to lower your reductions. And of course, with
15 the cap in a cap-and-auction system, that
16 continues to come down.

17 I should also say the State of
18 California has already said to the feds in their
19 statement that any other distribution allows for
20 windfall profits, unfair allocations that they
21 have recommended to the feds, and this is a policy
22 statement of the State of California, that we
23 should provide substantial auctioning. There's a
24 footnote that then says well, there may be a
25 transition of 20 to 40 percent of the allowances.

1 I'm not sure where the 40 percent came from. The
2 MAC discussed the 20 percent.

3 But I really do want to commend you to
4 this, both the policy statement of the state,
5 which TURN references in its comments, which
6 basically says you want to avoid the European
7 system and not create the kinds of windfalls.

8 And the process that the MAC went
9 through by which I think people who started that
10 process thinking there would be allowances in a
11 cap-and-trade system, came to a fairly strong and
12 compelling conclusion that the only answer you're
13 going to get is auctioning.

14 That said, I'm sorry to go on so long.
15 We look extensively in our comments on the
16 question of the allocation of revenues, which
17 really becomes the issue of economic harm, the
18 issue of who pays and who benefits, and what
19 happens after, you know, not after the auction,
20 but that has to be addressed right upfront.

21 Thank you.

22 MR. KELLY: This is Steven Kelly with
23 Independent Energy Producers. And I would like to
24 talk quickly about some design keys. This issue
25 about windfall profits and the nomenclature in

1 which that's applied. And then the issue about
2 where revenues -- where they're collected and
3 where they go, because I think that's critical
4 here.

5 First of all, two things strike me as
6 being missing in the debate about the design of
7 this program. One is sending price signals to
8 consumers. I continually hear that we're trying
9 to design a market where we're somehow shielding
10 the price to consumers. And if we are going to
11 endeavor on trying to reform this electric sector
12 in California to the tune of potentially billions
13 of dollars, I think it is a gross error to try to
14 hide that impact from consumers.

15 Now, I'm not saying that they don't need
16 to be mitigated, but the price signals need to be
17 there. Otherwise, we are going to be designing a
18 program that is going to force us to do loops to
19 hide that price, and it would be undermining the
20 overall goals of achieving greater efficiency.

21 Secondly, the issue that I think is
22 missing in the debate is the importance of grid
23 reliability. We are talking about potentially
24 designing a program that would impose significant
25 costs on electric generators located throughout

1 the state.

2 And to the extent that generators are
3 not able to recover the costs of greenhouse gas
4 emission allowances, if they have to buy them, or
5 acquire them, we are, in my view, potentially
6 undermining grid reliability. And that's an issue
7 that needs to be top and center, because whatever
8 you do, you need to be thinking about grid
9 reliability.

10 While greenhouse gas emission reduction
11 is an important public policy goal, ultimately so
12 is keeping on the lights. And we have to keep
13 those in context to recognize that whoever has to
14 acquire allowances, whether it's through auction
15 or allowance allocations, there needs to be a
16 mechanism, a reasonable means for them to recover
17 those costs.

18 That essentially means passing those
19 costs probably on to consumers in one form or the
20 other. And that's why that transparency is so
21 important.

22 Now, regarding the concept of windfall
23 profits, I've heard this term used time and time
24 again in this debate about the importance of
25 mitigating windfall profits. The problem is, in

1 my view, is that we don't really have any
2 standards or guidelines to define what that
3 exactly is.

4 Windfall profits are not the profits
5 that are generated through market power. Those
6 are distinct. We know market power has, the
7 issues associated with market power are well
8 defined. We have many regulatory agencies that
9 pursue that and prosecute that. But this concept
10 of windfall profits is almost as if you are going
11 to make a dime more than you would have otherwise
12 made, we don't like that.

13 And that's a concept that I think is
14 problematic for implementation of this program.
15 It gets us down a road of trying to figure out who
16 made more than they should have otherwise.

17 Now, for example, for 30 years we have
18 tried to develop a program to foster renewables in
19 California. Standard offer contracts were one
20 means that were used 25 years ago. We've moved to
21 a market now. The only way to really get
22 renewables into the market is to increase the
23 market clearing price.

24 And one of the biggest catalysts to that
25 recently has been the passage of AB-32. But what

1 I'm hearing in the context of windfall profits is
2 that if a generator is going to make an additional
3 dime out of that new market price signal that is
4 reflecting greenhouse gas emissions, that's a bad
5 thing. And I think that's a problematic approach
6 to take to the design of this whole program.

7 But when you recognize that early action
8 items or greenhouse gas are potentially means to
9 realize additional profits above and beyond what
10 you would have otherwise, you get into the problem
11 of looking at two similarly situated generators,
12 wind and some nonwind guy, who are doing exactly
13 the same thing in the market, behaving exactly the
14 same way, probably price takers benefitting from a
15 higher greenhouse gas emissions price revealed in
16 the marketplace, and we're going to somehow design
17 a program around windfall profits to remove that
18 from them.

19 I don't think we can get down to that
20 path and get a suitable outcome in the time that
21 we have, or ever, to make this work in that
22 regard.

23 I've heard the concept that we ought to
24 allocate allowances based on sales. I think Scott
25 mentioned this. And certainly for an entity that

1 has low greenhouse gas emissions as his members
2 do. that would be a good thing. But I don't, for
3 the life of me, see how that is any different if
4 they benefit from the sale of allowances as a
5 generator. It's still in the context it's being
6 used today, a windfall profit. They are going to
7 make a little bit more than they would have
8 otherwise under operations as usual. That's okay.
9 That's what a market is supposed to do. To incent
10 people to move toward more efficient units. And
11 we can do that through market signals.

12 That raises the -- importantly, in light
13 of that, you should think -- I think you should
14 think of these greenhouse gas allowances as
15 essentially a fuel cost, particularly if we go
16 down the path of a first seller.

17 These are things that first sellers are
18 going to have to acquire, just like fuel. And
19 they're going to have to have a reasonable means
20 to recover those costs for purchasing that entity.

21 it's either going to be in the
22 marketplace; it's either going to be through a
23 PPA; or some other mechanism. But we can't
24 foreclose the opportunity for people to do that.
25 Or else we are going to, again, undermine grid

1 reliability because people will back off from
2 their investments.

3 That raises the question in my mind
4 about revenues. Where do they come from and where
5 do they go. It's going to be critical but to the
6 extent significant revenues are being raised in
7 this program, that we have a third-party
8 independent entity be the master of the
9 implementation and control of those revenues.

10 California today is characterized by a
11 hybrid market structure, particularly in the IOU
12 sector governed by the PUC. We have hybrid market
13 design which has independent generators competing
14 head-to-head with utility-owned generation. It
15 will be a disaster if we have a situation where
16 the utilities are controlling the administration
17 of the allowances and the revenues collected.

18 That's not to say that utility customers
19 might not benefit on a reallocation of revenues if
20 they come to a third-party entity. But it is to
21 say that the utilities cannot be involved in that
22 decision if they are going to remain in the
23 generation-development business.

24 So those are my comments. And I hope
25 they are food for thought, and controversial, as

1 well, as we go through the rest of the day.

2 Thank you.

3 MR. WILLIAMS: Steve got me up on that
4 last one.

5 (Laughter.)

6 MR. WILLIAMS: I'm looking at the agenda
7 and --

8 MS. GRIFFIN: Please restate your
9 name --

10 MR. WILLIAMS: I'm sorry, my name is Ray
11 Williams, and I am the Director of Long-Term
12 Energy Policy at Pacific Gas and Electric.

13 And I'm going to just -- my comments
14 will only be about auctions, because I see on the
15 agenda you've got a full afternoon on allowance
16 allocations. So I'll try to keep this focused.

17 We generally support auction, at least
18 as a means to distribute allowance revenues for
19 the benefits of LSEs' customers. We do not have a
20 detailed proposal at this time, but we provide
21 some initial observations for your consideration.

22 First, that any auctioning of allowances
23 should be nondiscriminatory; there should be equal
24 access for all generators, whether it's an IOU
25 generator, a POU generator or a merchant

1 generator.

2 Secondly we think the prices resulting
3 from these auctions should be transparent. Third,
4 an independent entity in terms of administering an
5 auction is probably the way to go. And fourth, it
6 should be designed to minimize market
7 manipulation.

8 PG&E proposes that the model rules set
9 out what we want to accomplish through an auction,
10 in other words this part of the process. Once
11 set, the details of the auction can be worked out
12 over time. And, Karen, I thought your idea of
13 getting an auction expert here is a great idea.
14 It's a commercial process. As we move forward,
15 you know, I would really encourage that we get
16 some commercial expertise. People who know about
17 these sorts of auctions.

18 Thank you.

19 MR. LEE: My name is Vitaly Lee; I
20 represent -- we have about 4400 megawatts in
21 southern California. AES does not support 100
22 percent auction from the beginning. We support
23 initial grandfathering with a small portion of
24 allowances being auctioned. We recommend 10, 15
25 percent.

1 We can gradually move to 100 percent
2 auction over a span of 15 years, we recommend.
3 And that transition would allow for two things.
4 First, it would allow existing generators to
5 recover investments that have been made in the old
6 regime without any carbon profile. Because
7 otherwise we'll get into reliability issues, as
8 has been addressed.

9 But also importantly this would allow
10 time to develop a full carbon technology that will
11 be feasible for the sector. The worst thing that
12 we can do now is to rush everyone into the state
13 of the art technology today, the low carbon
14 technology, let's say CCGT. This would not be
15 sufficient to meet the long-term goals for the
16 state.

17 We keep talking about 2020, but I think
18 the long-term goal is 2015. And the technology
19 that exists today will not allow us to get there.

20 MR. MICHEL: Thank you. My name is
21 Steven Michel. I'm with Western Resource
22 Advocates. WRA is an environmental law and policy
23 center that works in the interior west,
24 particularly among the WCI or Western Climate
25 Initiative states. We do work in Utah, Arizona

1 and New Mexico.

2 Just a couple comments on the auction
3 issue. One thing that we'd like you to keep in
4 mind is that an auction does have different
5 impacts on different profiles of carbon footprint.

6 And when you start going to states like
7 Utah and New Mexico you're talking about very
8 significant costs associated with their carbon
9 footprints versus some of the other states.

10 And, you know, while one commenter
11 suggested that an auction is the best way to
12 resolve the equity issues, well, in that step that
13 may be true, but then you have the next step of
14 what do you do with all this money.

15 And if it's not going to ease the
16 impacts on the customers associated with the
17 different carbon footprint, then you do have some
18 serious equity issues. Particularly in a
19 regulated electric industry.

20 The other gentleman here mentioned
21 windfall profits, and there's such a concern with
22 somebody, you know, earning a dime more than they
23 might otherwise earn. Well, from our concern it's
24 not windfall profits. You know, we don't care; we
25 want to see carbon reduction. It doesn't matter

1 to us if somebody makes money off that. The issue
2 is who's paying for those windfall profits. And
3 if they are unjustified or unnecessary then you do
4 want to deal with that issue. But, as I said, the
5 issue is who's paying for it, and should they be
6 paying for it, not whether somebody's making money
7 or not off this.

8 We filed some comments earlier, or a
9 couple days ago, I guess, about this whole issue
10 of allowance allocations. And we at WRA have been
11 struggling with how to simplify and solve a lot of
12 these issues, a lot of these equity issues that
13 are out there that are admittedly very difficult.

14 And what we have tried to do is develop
15 a different allowance scheme that's somewhat
16 radical, but we think actually does advance us
17 forward quite a bit in a load-based type system.

18 And what it is, it kind of requires
19 almost a complete change in mind set, because you
20 don't issue allowances under this system. You
21 don't issue allowances at all. Instead what you
22 issue are credits for pollution reduction.

23 So instead of giving allowances to
24 generators or to pollute, you end up giving
25 credits to generators for not polluting. And, you

1 know, obviously the question is well, how do you
2 measure how much somebody didn't pollute.

3 Well, in the electric industry there is
4 a standard that you can use to do that. The
5 highest emitting resources out there right now
6 will emit about 1000 tons per gigawatt hour.
7 That's an old subcritical pulverized coal plant.

8 And if you measure the amount of credits
9 from that standard and award credits based on how
10 much cleaner per gigawatt hour, in other words how
11 many tons less than 1000 per gigawatt hour that
12 generator emits, then you have a quantifiable way
13 of assigning these credits to generators and
14 keeping a handle on your carbon reduction.

15 Now, the next step then is well, what do
16 you do with all these credits. What we're calling
17 them are CORCs, for carbon dioxide reduction
18 credits. And what you do is you require your
19 LSEs, your load-serving entities, to then acquire
20 sufficient CORCs to give you the emission
21 reductions targets that you're trying to achieve.

22 And we did file a paper a couple days
23 ago with the Commission that specifies a formula,
24 where you plug in what your rate of reduction is,
25 and it'll basically tell you how many CORCs your

1 LSEs need to acquire.

2 And one of the advantages is each LSE
3 can be put on a path of reducing their particular
4 carbon reductions by a particular percent, so that
5 LSEs with higher carbon footprints, you know,
6 don't have to get down to the same level of carbon
7 footprint that LSEs with lower carbon footprints.
8 Which we think, at the end of the day, there's
9 going to have to be some recognition that some
10 folks are starting this in a much more difficult
11 position than others.

12 You know, I know you all are probably at
13 the saturation point of information and how many
14 papers you've got in front of you, and how much to
15 read, but you know, what we did file was 15 pages,
16 and it's big print.

17 (Laughter.)

18 MR. MICHEL: And so, you know, if you
19 get a chance to even at least maybe look at the
20 summary or the abstract of it, we think it really
21 does have some advantages. And it has advantages
22 just beyond the allowance allocation issue.

23 For one thing it provides incentives and
24 rewards directly the behavior that you're trying
25 to get folks to do. In other words, it's

1 rewarding carbon reduction.

2 You don't have the windfall issue, or
3 the potential windfalls going to folks based on
4 how much they pollute. It's going to folks, if
5 there is a windfall at all, going to folks based
6 on how effective they've been in reducing their
7 carbon footprint.

8 You know, the point of regulation is
9 your load-serving entity, which is something
10 within your jurisdictions, so you do tend to avoid
11 a lot of the commerce issues that arise in some of
12 these other mechanisms.

13 One of the real advantages of this is
14 there's no tracking of electricity required.
15 These credits trade similar to how RECs could
16 trade in a renewable energy regime. So that it
17 avoids a lot of the issues of having to figure out
18 where your electricity is coming from, and what
19 that particular generator is that's serving a
20 particular load.

21 The other advantage is it avoids some
22 uneconomic outcomes whereby a particular
23 generation has to find a transmission path for its
24 emission attribute, which, you know, there's no
25 reason to do that. Carbon dioxide is a global

1 pollutant. There's no reason why that pollutant
2 needs to follow a particular energy path or have a
3 transmission path. As long as it's going to some
4 load somewhere and reducing carbon somewhere, we
5 should be satisfied.

6 And then, you know, just two other quick
7 points. One is the formula that we've got in our
8 paper lays out is it does reward efficiency fully
9 with 1000 credits per gigawatt hour. So there's a
10 big incentive for efficiency, which it does
11 warrant.

12 And then finally, and this may not be
13 intuitive, but this system would link perfectly
14 with other sectors or other cap-and-trade regimes.
15 Even though here we're talking about a CORC
16 equaling a ton reduction of CO2, and in other
17 sectors or source-based systems you're talking
18 about an allowance representing allowance to
19 pollute, or to put, emit a ton of CO2.

20 You can take a CORC in this system and
21 sell it into an allowance-based system, and
22 convert it to an allowance, and it'll give you the
23 same carbon reduction as you would by just buying
24 another allowance. And vice-a-versa. In a CORC
25 system you can buy allowances from other sectors

1 or other systems, use those as CORCs, and achieve
2 your carbon reduction by the same token in your
3 CORC regime.

4 So, we think it links real well with
5 other market mechanisms. I guess that's all I'll
6 say right now. Again, you know, it's something --
7 it's a part of a load-based system, or a
8 modification of a load-based system that we think
9 holds a lot of promise to maybe simplify things
10 and simplify your job, and give a more transparent
11 and clean-looking system that we think, at least,
12 you know, our thinking so far is this really can
13 work pretty well.

14 So, thank you.

15 CHAIRPERSON PFANNENSTIEL: Thank you. I
16 did read your paper, and found it interesting. I
17 think that I would like -- my first thought was
18 that you were conceptualizing the same problem
19 somewhat differently. And I think we're really
20 open for some different way of helping us through
21 this, because you're obviously trying to get to
22 the same point that everybody else is at.

23 So I'd really appreciate other people's
24 comments on your concept and your paper. You say
25 it was simpler. I think at some level it is, but

1 there still is a computational sense of it that
2 might not be so.

3 MR. MICHEL: Yeah, the way it works is
4 simple. Why it works and how it works takes some
5 thinking.

6 CHAIRPERSON PFANNENSTIEL: Thank you.

7 MR. VIDAVER: Mr. Pedersen, are you
8 going to address auctions?

9 MR. PEDERSEN: Thank you. My name is
10 Norman Pedersen; I'm here for the Southern
11 California Public Power Authority.

12 And actually I'd like to go back to what
13 Steve Kelly was saying and maybe Lenny Goldberg,
14 as well, about having an auction and embedding the
15 cost of carbon in the price of electricity.

16 You know, we understand the theory, the
17 economic theory. The economic theory is very
18 simple. You charge more for the price of
19 electricity, you send the price signal to the
20 consumer about the cost of carbon, and you start
21 to evoke a reaction from the consumer.

22 We're not so sure, however, that the
23 Legislature was dead set on embedding the cost of
24 carbon, as you would through an auction, in the
25 price of electricity. We have, in AB-32,

1 repeatedly the Legislature talked about minimizing
2 the cost of the program. The Legislature was dead
3 set that they wanted to get GHG reductions. And
4 that's the goal of the state. And that's the
5 policy of the state.

6 But to our mind they were equally clear
7 that they wanted to minimize the impacts of this
8 program as much as possible. If they just simply
9 wanted to embed the cost of carbon in the price of
10 electricity, the California Legislature could have
11 adopted a carbon tax. And I don't find that
12 anywhere in the legislation.

13 And I don't find anywhere in the
14 legislation something about an auction, or sending
15 a price signal. It's simply not there.

16 In our view, the Legislature wanted to
17 minimize the cost of the program, fully achieve
18 the AB-32 reduction goal, but minimize the cost of
19 the program.

20 In our view what they had in mind was
21 something like what the CPUC first talked about in
22 its 2006 decision where it talked about its load-
23 based program for the LSEs. A program where there
24 would be administrative allocations of allowances;
25 where the points of regulation would have to

1 ratchet down. And if they didn't they would be
2 subject to penalties. It was a traditional air
3 quality program that the PUC was proposing. One
4 aimed at keeping costs down while achieving the
5 reduction goals.

6 Now, of course, a second problem for us
7 with auctions -- the first problem is that you are
8 going to end up driving up the cost of
9 electricity. You're going to drive up the entire
10 wholesale market. And we're very concerned about
11 that cost of this program.

12 But, you know, second problem for us, we
13 are southern California utilities. Yes, Scott, as
14 a result of geographic and historical
15 circumstance, we are where we are, you know. In
16 the '70s we did have to turn to coal. We couldn't
17 turn to nuclear for a variety of political
18 reasons. We didn't have hydroelectric available
19 to us. We had the burgeoning load. We were
20 forbidden by the Fuel Use Act from turning to new
21 gas facilities. The national policy was use coal,
22 which we did.

23 Now, of course, things have changed. We
24 have come to some realizations that people didn't
25 have in mind back in the 1970s. They were

1 concerned about other things in the '70s.

2 For us, yes, a major concern about
3 having to turn to an auction is these utilities
4 situated, you know, like LADWP, 1200, 1300 pounds
5 per megawatt hour. They are going to have to
6 incur the cost of retooling their entire
7 generation system while going out to buy auctions.

8 Now, Ms. Wang, you had an interesting
9 comment, your option two. We heard your option
10 two. My ears did perk up because I did not recall
11 that from your comments. I saw something more
12 about allocating, administrative allocation of
13 allowances on the basis of population or retail
14 sales. That's perhaps something to explore.

15 If we were to have an auction, have a
16 return of revenues to the party that -- at least
17 the retail provider that was buying the credits,
18 with, of course, that ratcheting down over time.
19 So as to cushion, you know, an LADWP or a Burbank
20 or an Anaheim from the double impact of having to
21 retool from, you know, what happened back in the
22 1970s to where we are today. Not have to incur
23 the double costs.

24 And I'd just like to say one last word
25 about allowances. You know, we think that a lot

1 of people here seem to be making a category
2 mistake about allowances. The allowances, Gary,
3 you said that they're dollars, just dollars.
4 Well, maybe.

5 But we're going to ultimately talk about
6 a regulatory program with penalties. I haven't
7 heard a single party talk about penalties. The
8 PUC talked about it in its very first decision,
9 there's going to be a mandatory program with
10 penalties attached to it. No one's talked about
11 penalties.

12 Well, if you don't achieve, if you're a
13 point of regulation and you aren't where you need
14 to be at the end of the compliance period, there
15 is going to be a penalty. There's going to be an
16 enforcement mechanism. And you're going to have
17 to have -- all the allowances are is a vehicle to
18 provide you with the ability to meet your
19 objective of compliance with the regulation, so as
20 to avoid a penalty.

21 So, you know, we don't review these
22 things, and I was very concerned about Mr.
23 Tomashefsky's comments. You know, these are not
24 rewards, brownie points to be given, merit badges
25 to be given for past action. You know, 1990, or

1 some other time.

2 These are not rewards for past actions
3 that we now see as being meritorious. These are
4 something that a party is going to have to get in
5 order to avoid paying a regulatorily imposed
6 penalty, which is going to be steep, in order to
7 elicit the required compliance.

8 And so we believe that the way to see
9 allowances is as part of an overall enforcement
10 mechanism. And we are -- Commissioner Boyd, I was
11 certainly very happy to hear your observation
12 about how, yes, you know, if you were to see them,
13 if you were to make belief, see as being a
14 category -- we're to see allowances of rewards to
15 be given out to those who have done what we now
16 deem to be meritorious, you know, if you do have a
17 utility that is at 100 pounds per megawatt hour
18 right now. You know, DWP at \$1200 or \$1300 is
19 going to have to go and buy those allowances from
20 that utility. That's going to be a massive wealth
21 transfer in the state.

22 And, you know, from our standpoint as
23 being potentially the ones who are going to have
24 to be paying the money, it's going to be an
25 additional cost over and above what we're already

1 going to have to do to do the retooling that
2 Leilani was talking about.

3 Thank you, Chairman Pfannenstiel.

4 MS. JOHNSON KOWAL: Karen, I --

5 MS. GRIFFIN: I think it's time for
6 lunch?

7 MS. JOHNSON KOWAL: -- I wasn't sure
8 when I was going to have an opportunity to speak
9 again about auction, because I --

10 MS. GRIFFIN: Right after lunch.

11 MS. JOHNSON KOWAL: Okay.

12 CHAIRPERSON PFANNENSTIEL: Karen, well,
13 maybe we should see, though, if we can finish this
14 piece of the discussion --

15 MS. GRIFFIN: Okay.

16 CHAIRPERSON PFANNENSTIEL: -- before we
17 break for lunch because I think coming back after
18 lunch we're going to try a whole new program, or
19 whole new way of looking at this same stuff.

20 So, Leilani, why don't you --

21 MS. JOHNSON KOWAL: I'll try to be
22 brief.

23 CHAIRPERSON PFANNENSTIEL: -- offer your
24 comments, recognizing that we're going to break.

25 MS. JOHNSON KOWAL: I do really

1 appreciate the discussion that we've had this
2 morning. I think it really does illustrate the
3 challenges that we have going forward with this
4 whole issue of allowance allocations versus
5 auction.

6 I think what we have to do, though, is
7 take a step back and take a look at the
8 legislation. And I think Norman Pedersen is
9 correct. There's not a single mention of auction
10 in AB-32 when you look at the legislation.

11 And if you are going to look at an
12 auction that is an appropriation of funds, AB-32
13 doesn't authorize any appropriation. And there is
14 case law that makes it evident that a clear
15 statement of legislative intent is required to
16 make that appropriation.

17 So, when we start talking about auction
18 we have to be really really careful that even
19 though it might be something that's contemplated
20 in other programs, it was not contemplated under
21 AB-32. And I don't know that anyone in the
22 Legislature ever had any discussions about auction
23 when they were designing AB-32. That's one thing.

24 The other thing is that when we talk
25 about the cost of the auction, itself, LADWP is in

1 a position where we are taking this very
2 seriously. We are looking at direct emission
3 reductions. We are putting our investments where
4 they are supposed to be in order to make those
5 reductions happen by 2012, 2020 compliance period.

6 We've seen auction as draining those
7 resources away from those direct reductions.
8 That's clear and simple. That's all it comes down
9 to.

10 And when I hear all the panelists today
11 talking about auction and making sure that those
12 revenues come back to the ratepayers, to me I see
13 LADWP in a position of placing our funds in an
14 auction and perhaps maybe not coming back to our
15 ratepayers.

16 And there is also case law and commerce
17 clause issues that do arise when we start talking
18 about first seller and whether or not auction
19 proceeds can come back to instate retail
20 providers.

21 NRDC recognizes this also because
22 they're talking about a 75 percent refund auction.
23 In LADWP's view we wonder what's the point of even
24 refunding it. Why not allow us to spend those
25 resources directly on emission reductions that are

1 required of our portfolio.

2 To me, the whole exercise of going
3 through an auction, whether it's 100 percent
4 auction, 75 percent refund auction, a two-step
5 auction where it's allocated first to the retail
6 providers and then go to an auction for everybody,
7 and then redistribute it back, is just an exercise
8 that is ripe for market manipulation, impacts on
9 reliability, impacts on our ability to buy
10 credits.

11 LADWP does remember very recently, under
12 the AQMD reclaim program, what it was like to not
13 be able to buy allowances no matter what price.
14 Even if we wanted to, we couldn't purchase it.

15 And so, to me, I think I have a lot of
16 concerns. LADWP is very concerned about the path
17 that this discussion is going where auction is
18 something that seems to have been created in this
19 discussion.

20 And I think that we have to take a step
21 back and think about what is the most cost
22 effective way of reaching these emission
23 reductions that are associated with AB-32. And I
24 think auction is absolutely the wrong way to go.

25 I'm just going to end it at that.

1 CHAIRPERSON PFANNENSTIEL: Thank you.
2 One last comment in this section.

3 MR. BEEBE: Bud Beebe with SMUD. Just a
4 second to say, first of all, SMUD believes that
5 this has much to do with the scope of the program
6 you intend, and your expectations of success or
7 the results.

8 We would like to point out that the
9 great majority of greenhouse gas reductions in the
10 electric utility industry will come from the
11 statutes, laws, regulations, rules that are
12 already in place.

13 RPS is a very big driver in this.
14 Energy efficiency is a very big driver in this.
15 Reducing the ability of Californians to invest in
16 coal anywhere is a big driver in this. Those are
17 already statute; those are already regulations.

18 So, the big ones are already there. So
19 what do we expect from this? Well, we're going to
20 have to reduce it from the electric utility
21 industry, something like 20 percent of our total
22 emissions from where we are today. Maybe that's a
23 little bit more, maybe a little less, but that's
24 about what it is.

25 We would like to point out that you

1 don't have to start with 100 percent auction. You
2 don't have to start with a 50 percent auction.
3 You don't have to start with 25 percent auction.
4 You can start where you can actually manage the
5 dang thing. Start with 2 or 3 percent. That's
6 already 20,000, 30,000 tons that could be out
7 there for people to use in their communities, to
8 people find those little places where we know
9 there is low-hanging fruit.

10 Let's start with a small auction, 2 to
11 3, maybe 5 percent. And find out how the heck to
12 do this if we're really just going after electric
13 utility industry reductions. And when we grow
14 into 2020 how far would you want to grow the
15 auction. Well, you don't need more than 20 or 30
16 percent in the end, in play, in order to realize
17 what we need to get to.

18 So, again, in our view, if this is about
19 the electric utility industry, then the big
20 reductions come from the statutes that are already
21 in place, and policy drivers that we know we can
22 meet and we will meet.

23 But if you want to try an auction to
24 find that low-hanging fruit, let's try something
25 that's reasonable and work it out. Two, 3 percent

1 to start with in 2012, going to maybe 20 or 30
2 percent max in 2020. That's our suggestion.

3 Thank you.

4 CHAIRPERSON PFANNENSTIEL: Thank you. I
5 think with that we'll break for lunch. Let's give
6 it about an hour and ten minutes, so we'll be back
7 at 1:30.

8 (Whereupon, at 12:21 p.m., the workshop
9 was adjourned, to reconvene at 1:30
10 p.m., this same day.)

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AFTERNOON SESSION

1:32 p.m.

MS. GRIFFIN: Okay, our first speaker this afternoon is Steve Roscow from the PUC, who has reviewed the various allocation options that are being thought about, and is going to provide an overview to start us out with today's discussion. Take it away, Steve.

MR. ROSCOW: I'm not going to -- I thought I would do a bit of an overview, but more, I guess it's called stirring the pot a little bit, and then get out of the way and let all of you talk.

First of all, I want to commend you all for doing such a great job on these comments. I'm going to say something that harkens back to my days in graduate school, and then I'm going to explain to you why your comments don't fit that model. And try to compliment you in the course of that.

There was a phrase when I was in policy school, it's called where you stand depends on where you sit. And I think it was used in reference to the Cuban missile crisis or something like that. And it is that basically where people

1 come out on policy questions depends a lot on
2 their own self interest.

3 And that isn't what I saw in these
4 comments in organizing where everybody comes out
5 on their allocation proposals.

6 At first glance there's some of that.
7 Most of the advocates for grandfathering are the
8 utilities in the southern part of the state that
9 are more challenged in terms of the current
10 resource mix.

11 And if you go across the spectrum from
12 grandfathering to benchmarking to a sales-based
13 allocation, at the sales-based end of things you
14 have the quote-unquote, cleaner utilities. And so
15 that would sort of be consistent with this idea of
16 where you stand depends on where you sit.

17 But a lot of the proposals were a lot
18 more nuanced than that. A lot of the parties that
19 propose grandfathering proposed it only as a
20 starting point, and basically kind of a
21 recognition of reality of where many of the
22 utilities in the state are today.

23 And that it would be basically punitive
24 to start out with something that wasn't
25 grandfathering. But then, even if you start with

1 grandfathering, move quickly to more of a
2 benchmarking type of allocation or sales-based or
3 something like that. And so that's what I meant
4 by I was impressed by the nuancing in what you all
5 had proposed.

6 So what we thought we'd ask you to do,
7 we talked about this a bit at lunchtime. What we
8 thought might be a good idea is if folks, rather
9 than just defending your proposal, if you could
10 explain and defend your proposal in the context of
11 how it gets the state where the state needs to be
12 in terms of reductions by 2020, or at 2050 if you
13 prefer that timeframe. In terms of creating the
14 right incentives or avoiding the reverse
15 incentives that would prevent us from achieving
16 the goals of the greenhouse gas reduction program.

17 And with that I thought I'd try to open
18 it up to people right away. Are people
19 comfortable with that? Or do you -- is there
20 still a feeling that you need to hear more about
21 what each option looks like?

22 I didn't see a lot of disagreement over
23 the definitions that we included in the comments
24 from the MAC report. But if folks feel there's
25 some clarity needed, I'd like to hear that first,

1 I guess.

2 DR. STERN: Gary Stern, Southern
3 California Edison. I think some of the points
4 that may have already come out to a degree in the
5 panel discussion this morning explain how we think
6 we'd be sort of transitioning to meet the goals by
7 2020.

8 I mean under a cap-and-trade program by
9 2020 the number of allowances that would be out
10 there, assuming that we're following the program,
11 insures that we're actually going to meet the 1990
12 levels by that time.

13 But how do we get from here to there? I
14 think, as Leilani described, some sort of a glide
15 path probably makes sense. I think, as some
16 others described, the real changes in GHG we
17 anticipate occurring through bringing in new and
18 cleaner technologies to the mix to displace some
19 of the existing stuff, whether that's energy
20 efficiency or new clean generation technologies.
21 And some of that technological development isn't
22 going to happen overnight. It's going to take a
23 little bit of time.

24 So, consistent with our own proposal of
25 mitigating the economic harm, we really have to

1 allow a certain amount of time for the technology
2 that's going to allow us to clean up the system to
3 come through before we just kind of sock everybody
4 with all of the costs without any mitigation.

5 So, I think as long as we recognize
6 that, and that we do try and, especially up front,
7 allow some time without substantial economic
8 dislocation occurring, that we can get there.

9 And the fear is if we do the
10 alternative, if right off of the bat we basically
11 say, you know, we're going to auction everything
12 and just, you know, let the prices go where they
13 may, there may be too much of a backlash to allow
14 us to get to where we need to go.

15 Technology is coming. People are
16 working on it now. And we need to continue to
17 push in that regards, but it can't happen
18 overnight. And we can't replace the existing
19 system overnight because we don't have sufficient
20 resources to keep a reliable system. We need to
21 do it gradually between now and 2020.

22 MR. ROSCOW: So, if I put you on a
23 spectrum, are you somewhat close to LADWP in terms
24 of setting a starting point that looks a lot like
25 where all the load-serving entities are today?

1 DR. STERN: Actually, if you put us on a
2 spectrum you'd probably find that we support,
3 especially in the beginning, as much of an
4 allocation as we can reasonably do. But who gets
5 that allocation is probably somewhere in between
6 a load-based -- shouldn't call it load-based -- a
7 magnitude of retail load approach similar to what
8 PG&E is saying, and a historical generation
9 perspective, as Leilani described for LADWP.
10 Since we're focusing on harm that tends to fall
11 sort of somewhere in between those two.

12 MR. ROSCOW: I guess, and I was going to
13 make notes while people are talking this morning,
14 you know, I'll confess, I come at this from a not-
15 greenhouse gas background, other than as of a year
16 ago is when I started on all this.

17 And the questions that kind of occur to
18 me are why should any entity at the outset of the
19 program receive more allowances than they need to
20 comply. And the flip side of that, why should any
21 entity receive less allowances than they need to
22 comply in the first year, for example.

23 And I still struggle with that. And the
24 more I read the more I can see some theoretical
25 reasons as to why you wouldn't want to do that;

1 but on a basic kind of fairness metric and
2 simplicity metric, the L.A. approach I have a lot
3 of sympathy for. Meaning, start us out where we
4 need to be; set our glide path and leave us alone.
5 And you don't need to do a market, you don't need
6 to do any of that.

7 And as I think more about it, some of
8 the comments that have resonated with me, SMUD,
9 for example, in their comments, I think, said
10 something similar to that. Is do an initial
11 allocation and then let a secondary market develop
12 on its own basically.

13 And I won't put -- SMUD, of course, can
14 hop up and correct me --

15 MR. BEEBE: You got it right.

16 MR. ROSCOW: Okay, good. And if you
17 harken back to the MAC process, I think it was
18 Cantor Fitzgerald had some very provocative
19 comments I thought that said something similar,
20 which was basically do an historical allocation
21 and then step back and let the market take care of
22 sorting out adjustments at the margin. And the
23 government shouldn't do any more than that.

24 And I still, in an allocation context I
25 still have some -- a lot of sympathy for that.

1 And I'm very open to hearing why that's not a good
2 idea. But in terms of stirring the pot a little
3 bit today, I thought I would just kind of throw
4 some of these things out there, and be the one
5 that gets knocked down. And, Chris, did you have
6 something?

7 DR. BUSCH: Chris Busch with the Union
8 of Concerned Scientists, thanks. I mean I guess
9 there's the issue of price discovery and
10 contributing to a stable price over the long term
11 in terms of having some auctioning. And so that's
12 been a problem, I think, in the European system in
13 terms of when people receive the allowances they
14 treat them differently, and they may hold onto
15 them just in case. And so that's led to some of
16 the -- that's contributed to some of the
17 instability in the European price.

18 There's also just a generating liquidity
19 in the market is another reason to have
20 auctioning. And while I have some other comments
21 about auctioning that I wasn't able to deliver
22 this morning, maybe I could at this time?

23 I guess I would just say that with
24 respect to the arguments that have been presented
25 today, I think the MAC had it right when they said

1 simplicity, fairness and cost effectiveness all
2 argue in favor of 100 percent auctioning. And
3 there may be some other factors in the interim
4 that lead to a path other than immediate 100
5 percent auctioning. In the long run I think
6 that's the direction we should be going.

7 And as an economist I also see the price
8 signal argument as much as I also see the need to
9 give attention to the costs that the system will
10 impose due to these new obligations.

11 I guess I'd also point to Devra's
12 comments about, you know, regulatory foresight
13 would have probably called for giving attention to
14 this in the long run.

15 Just let me echo Lenny's comments in
16 terms of auctioning really being a strong way to
17 reward early action, sort of the cleanest way.
18 One thing that wasn't mentioned this morning is
19 that in terms of new entrants, auctioning is
20 definitely the cleanest way to handle new entrants
21 in the market, which may not be such an issue in
22 the load-based system, but for a seller it would
23 be.

24 I guess one other point that it occurs
25 to me to mention, just in terms of why not to just

1 hand them out at a level of compliance in the
2 first year, I think getting back to the point of
3 California's position in the federal debate, that
4 that would not be a good precedent for the state
5 in terms of the national allocation battle that
6 would follow.

7 Just on the question of what to do with
8 the value generated by the allowances, I would
9 just say in addition to mitigating the economic
10 costs, I think we have to look at ability to pay.
11 Some people are going to be more or less able to
12 pay. And also using the revenue or directing it
13 in ways that are going to set us up for not only
14 our 2020 goals, but the long run beyond that.

15 Thanks.

16 MS. GRIFFIN: Don't go away. When you
17 talk about liquidity in the auction market are you
18 contemplating participation of nonregulated
19 entities in the auction market?

20 DR. BUSCH: By that I'm just referring
21 to the number of allowances that are up for sale
22 and are circulating. I wasn't necessarily
23 referring to who would be buying or selling.

24 MS. GRIFFIN: Okay. Because it seems
25 like almost all the parties, in their comments,

1 said to limit even an auction to regulated
2 entities. And I wasn't clear, there seemed to be
3 a mix of people who said auction only within the
4 electricity sector; and others who said auction is
5 part of the multi-sector way to go. And were you
6 providing comments on either of those choices?

7 DR. BUSCH: Devra, do we have a position
8 on that? I'm not sure, I don't know offhand. I
9 think there are arguments that could go both ways.

10 MS. GRIFFIN: Thank you.

11 DR. BUSCH: Thank you.

12 MS. JOHNSON KOWAL: This is Leilani
13 Johnson Kowal with LADWP. On that particular
14 issue of nonregulated entities participating in an
15 auction I think the concern that comes up is the
16 potential for market power to be exercised.

17 And that's not necessarily limited to
18 just auction. That can be something that can be
19 found in almost any cap-and-trade program. And if
20 you look at our filing, we did provide some
21 specific details regarding a preliminary draft
22 report on the AQMD reclaim program -- and I
23 believe we have somebody here in the audience from
24 AQMD -- about the participation of investors in
25 that program.

1 And although maybe there has not been
2 any exercise of market power there is a potential
3 for that to happen. And although investors can
4 provide liquidity, they can also exercise that at
5 the harm of the electric sector. So I think
6 that's one of the concerns that we have.

7 And it's not, like I said, just for the
8 auction. That is for a market-based program in
9 general. And that's part of the reason why LADWP
10 does not necessarily support a market-based
11 program as a way to comply.

12 I'll leave it at that for right now.

13 MS. GRIFFIN: Oh, we seem to have group
14 consensus. Go with Steve's idea and we all go
15 home.

16 (Laughter.)

17 MS. GRIFFIN: Ah, here they come.

18 MR. LAZAR: Jim Lazar, a consultant to
19 Burbank. And, Marc, if I could have my -- I've
20 got two slides to share with you. And I'll try
21 and be quite brief on them.

22 I'm consultant to the City of Burbank.
23 Burbank has adopted a 33 percent renewable
24 portfolio standard by the year 2020. We're
25 already below our 1990 emissions level. And if,

1 on an economic dispatch basis, Burbank emissions
2 would decline approximately another 25 percent,
3 from about 1400 pounds a megawatt hour down to
4 1000 pounds a megawatt.

5 There are about a dozen utilities in the
6 state that are over 1000 pounds a megawatt hour.
7 Burbank is one of the dirty dozen. But, it is
8 acquiring wind, solar and geothermal at a pace
9 that's a little unprecedented for a municipal
10 utility.

11 They expect to achieve this as a 33
12 percent, actually 34 percent renewable portfolio
13 standard up here. And they expect to achieve that
14 by 2020.

15 What's it going to take to do more than
16 that? Well, it's going to take quite a bit. I
17 want to start with a little discussion of the word
18 grandfathering. I don't like the term. And it's
19 sort of, in my opinion, kind of unAmerican.

20 Grandfathering is what happens in the
21 British House of Lords. Your grandfather was a
22 lord, your father was a lord, and you become a
23 lord regardless of what you have done, what you
24 have learned and what you have to contribute to
25 the nation. We don't have titles in this country

1 that come with genesis.

2 But to keep it in sort of the same
3 pejorative category, I would refer to what we need
4 for the dirty dozen is something more along the
5 lines of remedial education. This isn't our
6 grandfather's problem, and it isn't our father's
7 problem. It's our problem today.

8 And we want to do our best, and we need
9 the tools to accomplish that. And that's what
10 remedial education programs are for is to help
11 those that have a handicap or a limitation or a
12 shortfall of some kind in their ability to respond
13 to the usual educations system. An ability to do
14 their best with help and guidance.

15 We start from a difficult position.
16 Marc, if I can have my second slide. We've done
17 some modeling of the resource portfolio that I
18 just showed you on Burbank's system. And what it
19 would mean under an emission-based allocation to
20 our rates, starting from a little below 14 cents a
21 kilowatt hour, rising to about 18 cents a kilowatt
22 hour. That's acquiring the renewables and
23 reducing the dispatch of fossil generation.

24 Under a load-based allocation, starting
25 in 2012, we're looking at more like 20 cents a

1 kilowatt hour. Under auction at more like 21
2 cents a kilowatt hour. This is all based on an
3 assumed market clearing price of \$50 a ton.

4 Where does \$50 a ton come from? That's
5 the point at which a utility might consider
6 running a gas-fired resource rather than a coal
7 resources. It's not enough to pay for the
8 difference between running a coal resource and
9 buying a new renewable resource. But it is
10 enough, it's about the break-even point between
11 running coal, existing coal, and running an
12 existing combined cycle gas, if you have it
13 available. So it's the mixed resource often
14 available for dispatch. By no means always
15 available for dispatch.

16 The rate slope from 14 to 18 cents a
17 kilowatt hour is about twice the rate of
18 inflation. That's painful enough. That's sort of
19 a best case. That is with the emission-based
20 allocation consistent over the entire period.
21 We're looking at that kind of a rate slope.

22 To go into the auction rate slope is
23 obviously a little bit terrifying. But even a
24 load-based rate slope where the wealth transfers
25 from the emission-heavy utilities to the utilities

1 that have the benefit of a lot of hydro on their
2 system, from historical allocation of that hydro
3 and their geographic location.

4 Now, there was talk this morning about a
5 trend starting with emission-based allocation and
6 moving to a load-based allocation. That would
7 basically be moving from this point at 14 cents,
8 when the regulations, before they kick in, up to
9 the 20-cent point over time.

10 That's, one, a pretty steep slope. And,
11 two, it still involves the same wealth transfer.

12 If you're looking for options one of
13 them might be a gradual trend from emissions to
14 what I call net load. Net load is load minus that
15 that's served by old, low-cost, noncarbon
16 resources; big hydro and perhaps nuclear.

17 Now, there's no way that the southern
18 utilities are ever going to achieve the same total
19 benchmark or emission footprint or profile of the
20 utilities that have 30 or 35 percent hydro in
21 their system.

22 First of all, hydro is cheap. Second of
23 all, hydro is flexible. It is a wonderful
24 resource for integrating intermittent renewables
25 such as solar and wind into your system. It gives

1 those utilities that are fortunate enough to have
2 it flexibility that the thermally based utilities
3 cannot, will not, do not have, until we have a
4 technological breakthrough in energy storage,
5 which we certainly hope is coming.

6 But if we remove those, by the time the
7 contracts expire, about the time the bonds are
8 amortized, if we start looking at a 2035 to 2050
9 timeframe, the southern utilities probably could
10 achieve close to the same emissions profile on a
11 net load basis, as the other utilities in the
12 state.

13 They will still be handicapped by the
14 lack of hydro. Unless there's a proposal to
15 allocate the water statewide, it's very difficult
16 to expect the southern utilities to be able to
17 manage a statewide allocation of the air.

18 We don't expect a statewide allocation
19 of hydro. We certainly don't want to be penalized
20 by a statewide allocation of the air.

21 Finally, I want to just close on a
22 comment that was just made, that the MAC indicated
23 on the basis of simplicity, fairness and cost
24 effectiveness that auction was the best way to go.

25 Under auction the high-emission

1 utilities face, by far, the highest rate impacts.
2 And I mean the northern California municipal
3 utilities, SMUD and Alameda and those, have
4 current rates that are down in the 7 to 10 cent
5 range. So there's no outcomes that are going to
6 even take them up into the best outcome range for
7 a southern utility.

8 From a fairness perspective I think
9 auction fails. We did use a simple system for
10 sulfur dioxide, and another for nitrogen oxides,
11 in the national sulfur program and in reclaim.
12 They were simple; they were fair; they'd be cost
13 effective; they've been very effective, they
14 worked. They were historic emissions put on a
15 slope towards the target emissions level.

16 If you want to look at simplicity,
17 fairness and cost effectiveness I think it makes
18 more sense to look at what has worked
19 historically, as opposed to auction which clearly
20 has the most dramatic impacts.

21 Now, Devra says both this morning about
22 the notion of you get your money back auction,
23 with strings attached. If you can get, she
24 suggested 75 percent of the auction revenues would
25 go back to the load-serving entity for investment

1 in its own resources.

2 Burbank obviously has a lot of expense
3 associated with achieving this emissions reduction
4 here. This graph here has both the rates and the
5 emissions reductions. It's 33 percent, 34 percent
6 renewables being acquired.

7 And if 100 percent of the auction
8 revenues were to come back, we would achieve this
9 rate slope, the emissions-based rate slope. And
10 if it were 75 percent, it would obviously be, you
11 know, one-quarter of the way in between. It would
12 be closer to the green line than to the red line.

13 The certainty of that occurring is
14 troublesome. There's a history in California of
15 pots of money being diverted from their original
16 purpose to other purposes. And without sort of a
17 constitutional guarantee, the confidence that one
18 can put in that mechanism is fairly low.

19 I do want to commend NRDC for putting
20 the idea on the table. It's a creative idea. It
21 could work quite well if the results could be
22 assured. But from a simplicity, fairness and cost
23 effectiveness perspective, the best outcome for
24 the southern utilities is worse than the worst
25 outcome for most of the northern California

1 utilities.

2 Thank you.

3 CHAIRPERSON PFANNENSTIEL: Thank you.
4 Very good analysis. Now, this was done
5 specifically for Burbank using your information.

6 MR. LAZAR: This is done --

7 CHAIRPERSON PFANNENSTIEL: And so it's
8 not just an illustration, it's actually --

9 MR. LAZAR: It's not an illustration;
10 this is the resource plan that Burbank has
11 developed to implement it's integrated resource
12 plan. These acquisitions, in some cases, are
13 moving forward. Obviously some of them are in out
14 years. And the full acquisition of all of these
15 resources hasn't been approved by the Burbank
16 Board or City Council.

17 But this is a real resource plan that
18 involves implementing a City Council-adopted 33
19 percent RPS, and backing off fossil resources. A
20 pretty significant reduction in emissions.

21 We were about 900,000 tons in 1990.
22 We're about 800,000 tons today. We have some coal
23 resources that expire. We've brought some
24 renewables into the system. We've replaced with
25 the most efficient, new, gas-fired and cleanest of

1 gas-fired generating resource anywhere in the
2 Magnolia Power Plant. That's brought us down from
3 about 900 to 800. The 33 percent renewable
4 standard would get us down in the 600 range.

5 CHAIRPERSON PFANNENSTIEL: And I want to
6 make sure I'm reading your numbers correctly here.
7 So in the out year on this slide, the difference
8 between emission-based and auction would be about
9 3 cents a kilowatt hour, is that what we're
10 talking about?

11 MR. LAZAR: About 20 percent, round
12 numbers.

13 CHAIRPERSON PFANNENSTIEL: And did
14 you -- are these slides in your written filings?
15 I didn't see them.

16 MR. LAZAR: They are not. You know,
17 SCPPA submitted some written comments. We hadn't
18 been through enough of a process within Burbank to
19 determine that these were ready to be shown in
20 public yet.

21 CHAIRPERSON PFANNENSTIEL: But you will
22 put them into the record?

23 MR. LAZAR: They will come in, yes.

24 CHAIRPERSON PFANNENSTIEL: Thank you
25 very much.

1 MR. BEEBE: Could I have just a couple
2 of clarifications? I think it would help
3 everybody, honestly. Bud Beebe with SMUD.

4 Jim, as I look at your slide here I see
5 that you have the middle one there stated as load-
6 based. Could you explain a little bit what you
7 mean by load-based? Because I think we call that
8 something different. And the use of the term
9 load-based, I think for instance in the
10 rulemakings that the PUC has had, actually has had
11 a different meaning than that.

12 So, thank you.

13 MR. LAZAR: Sure. Thanks, Bud. The
14 middle line load-based is an allocation based on a
15 statewide target based on statewide megawatt
16 hours. Burbank is a slow-growing utility. And in
17 calculating that we took the statewide forecast
18 and load, which is faster than Burbank. And a
19 statewide allocation of emissions, which is coming
20 down.

21 And so while the emissions statewide
22 come down by 25 percent, the allowance per
23 megawatt hour comes down about 37 percent to
24 accommodate the load growth.

25 But the load-based is megawatt hours.

1 MR. MURTISHAW: Jim, just -- I think one
2 thing that Bud is getting at is because we used
3 the term load-based to describe a point of
4 regulation, maybe it would help to clarify things
5 if you just started referring to it as sales-based
6 or --

7 MR. LAZAR: Sales. By the time it comes
8 in in writing I will have that clarification on
9 it. It will say sales --

10 MR. BEEBE: The term that we've
11 suggested --

12 CHAIRPERSON PFANNENSTIEL: Bud, you need
13 to use a mic.

14 MR. BEEBE: SMUD has suggested the use
15 of the term electricity energy share.

16 (Laughter.)

17 MR. LAZAR: And is that the same as
18 what's in the Liebermann-Warner bill which is
19 retail sales adjusted for independently verifiable
20 energy efficiency investments?

21 (Laughter.)

22 MR. LAZAR: Which I think is what Devra
23 said earlier. I'm going to change the word to
24 megawatt hours, because that's what it is. I
25 didn't have independently verified energy

1 efficiency measures installed through 2020 handy
2 to me.

3 But I think we all know what we're
4 talking about. And I agree. And thank you, Bud,
5 there is a semantic challenge here in this area.
6 I'll make that correction.

7 CHAIRPERSON PFANNENSTIEL: We have
8 somebody else who's been waiting.

9 MR. WILLIAMS: This is Ray Williams from
10 PG&E again. I'm going to run through the comments
11 that I hadn't got to before. And, Steve, I'm
12 going to try to answer your question along the
13 way.

14 We support the MAC criteria; and we see
15 two overarching objectives. The first is to
16 achieve long-term sustained and significant
17 emissions reductions. And the second is to manage
18 costs for our customers.

19 And I was struck by your slide for two
20 reasons. One is I saw auction being higher than
21 the other lines, and I'm assuming that means
22 there's no return of revenues to customers. And
23 that's an issue I think that regardless of where
24 you are on the allocation method spectrum, I think
25 we're all concerned about that.

1 And the second was the dollar figure on
2 the lower right which looks to be \$50 per ton or
3 metric ton. And I hope as we go through this we
4 all can do a little better than that. I think,
5 you know, when a utility like PG&E or any other
6 thinks about costs to its customers, they're
7 thinking, one, about this allocation issue. But
8 they're also thinking about the price issue.

9 And it's very different, at least for
10 me, to think about now what is the risk in terms
11 of customer cost. And think about it,
12 compartmentalizing it into those two issues. I
13 think, you know, you really need to think about it
14 in the context of both.

15 Okay, so, you know, when we do an
16 allocation distribution policy I think we have to
17 be concerned about costs to California's consumers
18 and businesses. And just to give you -- here's
19 the numbers that go through my head.

20 Think \$20 instead of 50, okay. And
21 think in the natural gas and electric sector,
22 maybe 175 million metric tons a year. Okay. So
23 that takes you somewhere between \$3 and \$4 billion
24 a year in allowance value. Devra framed that
25 question very well, however you want to look at

1 it.

2 So, it's a very large number. And
3 actually I'm amazed at how civil the conversation
4 has been on either side of the allocation issue,
5 you know, given how much money is involved here.
6 It's a lot of money.

7 So, now I'm going to try to get to some
8 of Steve's question. Like NRDC and Environmental
9 Defense and others, we support an output-based
10 approach. It rewards early action and investment
11 by LSEs who have done CEE and, of course, PG&E,
12 we've been doing customer energy efficiency for
13 about 30 years.

14 It's a very significant issue for the
15 state, as a whole. Devra went through those
16 comments in the context of federal legislation, so
17 I won't repeat them here.

18 But what I would like to do is to talk a
19 little bit about the issue of, you know, why not
20 just start off with an historical allocation. So,
21 I'd like to maybe take a little broader view than
22 that. And, you know, think about it in the
23 following way.

24 There are utilities who probably knew
25 that this was coming many many years ago. And as

1 part of their portfolio responded in a certain
2 way. PG&E with its customer energy efficiency.
3 Should be looking at that period and that should
4 be given some consideration. You know, where you
5 are today maybe that should be given some
6 consideration, as well.

7 But also, I think when you look forward,
8 for a company which doesn't have much in the way
9 of emissions reductions opportunities, that should
10 be factored in, as well.

11 So, you know, as an example, if you're a
12 high emitter, you probably have more opportunities
13 in terms of moving high emission resources out of
14 your portfolio. You probably have more
15 opportunities to do customer energy efficiency for
16 the same amount of money than a utility like PG&E,
17 which has essentially 2 percent coal in its
18 portfolio, and it's basically qualifying facility
19 power. And we've been doing CEE for so long.

20 So, you know, I think you really should
21 think about it in those three pieces. What did
22 companies do historically, you know, knowing what
23 they knew about this legislation and these issues
24 coming. What's going on currently. And what
25 happens going forward, and who really has the

1 opportunities to reduce emissions going forward.

2 So, I think that's maybe a little
3 broader view in terms of this allocation question
4 than just that current question. Okay.

5 I do commend LADWP on two points. The
6 first is getting to a benchmark at some point in
7 the future, 2020. I think that that's good. And
8 Leilani also talked about the need for data and
9 modeling. And I know that some people have thrown
10 analytics up there. I think that's a good
11 contribution. I wish I had some today.

12 But I think, you know, we really need
13 some good modeling and some good work on the data
14 front so that we all can develop at least an
15 approximate quantitative view of these issues.

16 And it's about the allocation question
17 that's the quantity, but it's also about the
18 market quest because that's the price. And when
19 you put that together, I think we'll get a better
20 resolution for everyone. And I think for all the
21 utilities here, we'll be able to go back and say,
22 well, I have a much better feel now for what the
23 risk is of all these policies as they come
24 together. And that being, you know, the risk to
25 our customers.

1 So, in our view, the Climate Action Team
2 has done a nice job on analysis. I know that the
3 Division of Strategic Planning has hired energy
4 and environmental economics. You know, they're
5 doing a nice job in terms of looking at emissions
6 reductions and costs.

7 I'll note that there's really not much
8 done in the transportation sector. I really think
9 sort of a fuller picture is going to help out a
10 lot in terms of getting the best resolution that
11 we can on all these issues. Okay.

12 And then I just have one last comment,
13 call it an area for improvement, on the SCE
14 proposal. I'll try to keep it as positive as I
15 can.

16 And think about it in terms of three
17 generators. One is one that comes under the
18 marginal rate, and they essentially would receive
19 no compensation, I believe, under this proposal.
20 Please correct me if that's wrong.

21 Think of another generator that's
22 slightly above the marginal emissions rate. They
23 would receive some compensation.

24 And the think of a generator which is
25 high emissions and they would receive a large

1 amount of compensation.

2 And so, you know, that's one issue in
3 terms of how are you positioning three generators
4 with different emissions profiles. And then going
5 forward, if you look at it, the high emitting
6 resource will continue to receive compensation for
7 the foreseeable future. And I'm not sure that
8 that's really the best way to provide incentive
9 for that generator, or whoever owns that
10 generation, to move toward a cleaner portfolio.

11 So, those are my comments. Thank you.

12 MS. GRIFFIN: Mr. Williams, I have a
13 question. This is on how important -- the generic
14 question is how important is it to get additional
15 data before we make some of these high-level
16 decisions.

17 And let me back that up with one of the
18 options, which is starting to float in some
19 circles, is let's just keep slugging ahead,
20 slugging on with existing regulation and not try
21 and design a market for the electricity sector
22 now. Let's maybe look to do that in 2012 or 2015
23 because we don't know enough to make a good
24 choice.

25 Is that how badly off we are in terms of

1 what we know?

2 MR. WILLIAMS: Well, the answer -- the
3 question should be answered probably in the
4 context of federal legislation, which we know is
5 coming, which looks to include a cap-and-trade
6 system. At least for the electric sector.

7 So, given that, I think, you know, this
8 is a great forum because it really helps to
9 identify the issues. I think there needs to be
10 really a companion process which is a data process
11 so that we can see how these issues are framed and
12 bring the data in really to take a good look at
13 it.

14 In terms of whether California should do
15 a cap-and-trade program or not, given the federal
16 context, you know, I think it's a fair question to
17 see whether or not it makes sense to do a cap-and-
18 trade program for California, or go forward with
19 programmatic approaches.

20 Let's put it on the table. Let's
21 examine it. PG&E supports a cap-and-trade
22 program. But I think it certainly makes sense to,
23 you know, look at all the alternatives.

24 ADMINISTRATIVE LAW JUDGE TerKEURST: If
25 I could just comment on that. I had mentioned

1 earlier this morning that we're planning to issue
2 an amendment to the scoping memo and ask for
3 additional comments on the type and point of
4 regulations. And that is one of the questions we
5 will be asking. So parties can be thinking about
6 that.

7 MR. WILLIAMS: Okay, thank you.

8 MR. ROSCOW: And I would just comment, I
9 know it's difficult for one party to critique
10 another party's proposal in real time, and I just
11 would commend you for the way that you addressed
12 Edison's proposal. That sort of dialogue is
13 extremely helpful to us as we go through the
14 comments, and as we're going to go through the
15 reply comments. So, thank you for doing that.
16 That's the type of thing we were talking about at
17 lunchtime that we thought would be helpful this
18 afternoon.

19 I bet Edison wants to reply, but --

20 MR. HARRISON: My name's Frank Harrison;
21 I'm with Southern California Edison. I just
22 wanted to respond to a couple things. You had
23 specifically asked the question regarding whether
24 or not allowances should be allocated to the
25 regulated entities.

1 And I think that the foundation of our
2 approach to this is that the allowances should be
3 allocated according to the burden. And the burden
4 does not necessarily match the regulatory
5 obligation. The economic burden and the
6 regulatory obligation are not the same thing.

7 In a first-seller approach there is
8 still a significant economic burden placed on
9 ratepayers, both as the market price goes up for
10 those resources that participate in the market;
11 and in terms of the lower emitting generation
12 sources negotiating through bilateral arrangements
13 as a price that recognizes the value of the
14 emissions in the market.

15 And so in a first-seller approach where,
16 say, for example, not specifically for Edison, but
17 for a pure ESP that owns absolutely no generation,
18 their ratepayers would still be subject to a
19 significant economic burden, even though they are
20 not the regulated entity.

21 And so we get back to this issue of
22 allowances being really a financial instrument.
23 And this leads into one of the comments that Mr.
24 Williams made, and, of course, the issue of the
25 three, as he characterized, three classes of

1 generators.

2 We have a generator that is below the
3 emissions rate of the market-setting generator, if
4 you will. And then you have a very high-emitting
5 generator. He characterized, I think, the
6 generator in the middle being slightly above the
7 market, the marginal rate. Whether it's slightly
8 above or equal to.

9 The idea of allocating allowances to
10 that high-emitting generator is a reaction to a
11 response to the economic burden. The financial
12 incentive to get clean is going to be there
13 whether you reduce the number of allowances over
14 time or not. That financial incentive is still
15 there because every period that that generator
16 continues to emit at its previous level, it
17 essentially pays for those allowances, even those
18 allowances that it would receive in an allocation.

19 This is, of course, one of the reasons
20 that we saw problems in the EU, they continue to
21 pay for those allowances by not selling them.
22 Whereas, as you clean up your portfolio, you will
23 be able to make that decision whether it's better
24 to clean the portfolio or to retain the
25 allowances.

1 And then, of course, we add into this
2 idea that the number of allowances going forward
3 will be ramped down. Everybody is going to take a
4 haircut. The Edison approach is that we all take
5 an equal haircut across the different reporting
6 entities.

7 So I hope that clarifies where we are.
8 I think it's very important that we understand
9 that the allowance decision is one to reduce the
10 cost of compliance, but it is the market price
11 that's going to drive behavior modification. And
12 that market price is going to be there whether we
13 allocate allowances and return the revenues of the
14 auction to the harmed entities, according to that
15 allocation; or if there's a pure auction where the
16 money goes into a well.

17 In either case there's going to be a
18 market price that's going to drive behavior. We
19 just recognize that if you allocate in such a way
20 as to mitigate the economic harm, you're actually
21 reducing the cost of compliance.

22 Thanks.

23 MR. PEDERSEN: Can we go back to the
24 Burbank slide? Right. This is the one that Ray
25 Williams was commenting on for PG&E. By the way,

1 I'm Norman Pedersen from Southern California
2 Public Power Authority.

3 And when Ray started his comments he
4 said, well, something that Jim Lazar was
5 forgetting was that under the PG&E's proposal
6 where allowances would go to LSEs on the basis of
7 their retail sales, and then LSEs would auction,
8 some money would be going back to the companies,
9 the LSE's customers, Jim wasn't taking into
10 account that money coming back.

11 This is exactly the problem that Burbank
12 faces. The money would be going elsewhere. Under
13 the auction approach, as Jim expressed, our
14 concern is we'd be doing everything we have to do
15 to retool; and additionally, we'd have to buy
16 allowances through the auction and the money
17 wouldn't be coming back to us on a one-for-one, or
18 75 percent basis as Devra Wang was saying.

19 It would be going off for, you know, no
20 doubt very worthy purposes, you know, building new
21 prisons or, you know, whatever California had to
22 do with the money. We've got a lot of pressing
23 needs in this state.

24 Under retail sales this is Mr. Williams'
25 proposal. Burbank would be doing the things that

1 it needs to do to retool simultaneously, since we
2 had an allocation on the basis of sales, sure,
3 Burbank would get some. But you have the low
4 load, you know, NCPA's 100 pounds per megawatt
5 hour utility getting allowance on the basis of its
6 load, and where's Burbank going to go to get the
7 extra allowances it needs. It's going to have to
8 go and buy them from the NCPA member that's at 100
9 pounds.

10 And so we aren't going to be getting
11 that money back. We're going to be paying
12 everything we have to pay to retool, to get to the
13 2020 AB-32 goal, and we're going to have to go out
14 and buy the allowances.

15 And now I'd like to move to the end of
16 Mr. Williams' presentation where he was talking
17 about the three generators. He said, well, should
18 we be compensating the dirty generator. And
19 that's exactly what I was addressing this morning,
20 where it seems to me we've got a category mistake
21 here.

22 We have this idea that allowances --
23 sure, as has been pointed out by others, as Gary
24 Stern pointed out, they're equivalent to money.
25 But it's not compensation, it's not a reward, it's

1 not a merit badge.

2 It's like under any air quality program
3 that we have had; it's like under the reclaim
4 program. You know, you start out with a
5 requirement for the regulated entity, from the
6 point of regulation. You ratchet down over time.
7 What's that ratcheting down over time mean, that
8 means fewer and fewer and fewer allowances over
9 time.

10 You aren't giving allowances as a
11 reward. What you're doing is you're taking the
12 regulated entity down on a glide path towards
13 achieving whatever the goal may be. In this case
14 2020, 1990 emissions by 2020.

15 You know, Steve, you asked, you know,
16 how, under the approach that Southern California
17 Public Power Authority is advocating when we get
18 to 2020 or 2050. And we thought about 2050 and
19 actually 2050 is the goal that we tend to have in
20 mind because we see that as where we're going to
21 end up having to be. It's basically through the
22 program that the CPUC proposed. It's effectively
23 direct regulation.

24 Yes, the point of regulation we'll be
25 told this is how you're going to be ratcheting

1 down, and here's where you're going to have to be
2 by 2020. And, you know, we think it's in the
3 cards; we're going to end up with another
4 requirement for 2050.

5 We're told we're going to have to
6 achieve that. And we're told that if we don't,
7 there will be, again, direct regulation, there
8 will be penalties if we don't achieve that
9 objective.

10 We will take into account, we propose to
11 take into account early actions. We propose that
12 we have a -- we base the initial allowances on the
13 base of historical emissions. It might not be 100
14 percent, by the way. So, would we start out at
15 100 percent. Maybe it will be something less, you
16 know. We're given between now and 2012 to start.
17 You know, it might be something less than 100
18 percent of what we need in 2012. It might be 95
19 percent, or some other percentage.

20 But we would start out; we'd be
21 ratcheted down over time with penalties as the
22 enforcement mechanism.

23 Since the starting point was an
24 immediate pre-AB-32 period, say 2004, 2006,
25 anything anybody did between now and 2012, any of

1 those early actions between now and 2012 would be
2 taken into account.

3 All the utilities would be treated
4 equally. And, again, we tend to have in mind the
5 load-based approaches the PUC had in mind, because
6 in our view that's the approach that is going to
7 be able to pass the legality test. We have a lot
8 of concerns about first seller.

9 All utilities would be treated equally.
10 It doesn't matter whether you're, you know, Mr.
11 Stern's ESP that's 100 percent purchase power, or
12 an LADWP that's near 100 percent, or 100 percent
13 resourced. All your emissions are going to be
14 taken into account, so all of the points of
15 regulation will be taken into account equally and
16 fairly.

17 There would be no wealth transfers. It
18 would not be regressive, something I was very
19 concerned about this morning. You had TURN coming
20 up here and say, we support auctions. Electric
21 prices are regressive. A household that is low
22 income, sure it consumes less electricity than a
23 high-income house. A high-income house consumes
24 somewhat more, but overall on a per capita basis,
25 lower income people and higher income people use

1 about the same. And if you raise electricity
2 prices, it takes more percentagewise out of the
3 lower income household's budget than the higher
4 income household.

5 This is a regressive way, auctioning is
6 a regressive way of getting to our GHG reduction
7 goal. And so I was very surprised to hear TURN,
8 you know, which typically is advocating in favor
9 of low-income households, supporting what is
10 effectively a regressive measure. What we've been
11 proposing wouldn't be.

12 And lastly, you know, we've heard
13 something about new entrants. We would take into
14 account -- they would be taken into account
15 certainly if you had retail providers as a point
16 of regulation, you don't have that much change,
17 you know. We don't have DA in -- direct access in
18 California right now. You don't have that much
19 change.

20 But, you know, you would have a
21 secondary market. We think, under AB-32, we're
22 actually headed towards an annual compliance
23 period because that's a term that we see in the
24 legislation.

25 So we don't see there as being that much

1 of a problem. We do think that we need to think
2 further about that before we give a lot of
3 attention to the new entrants problem, and growth
4 problem, because we also are aware of the other
5 initiatives having to do with land use and other
6 measures that might be taken into account in
7 addressing that. We haven't fully analyzed that,
8 but those are other factors that need to be taken
9 into account.

10 So we think you can get -- we think we
11 have a plan that gets you to 2020 and gets you to
12 2050 with minimization of costs. Thanks.

13 MR. ROSCOW: Just a clarifying question.
14 Are the numbers out there for your plan? You
15 know, the glide -- the starting point, the glide
16 path, the end result. Are there numbers somewhere
17 in your set of comments?

18 MR. PEDERSEN: We are in the process of
19 developing some more numbers. As I think Mr.
20 Lazar mentioned, in one of our earlier drafts of
21 our comments we did have a chart that looked just
22 like Mr. Lazar's, but we didn't think it was ready
23 for prime time.

24 And actually I would like to take this
25 moment to say to the extent to which the

1 schedule -- Steve's laughing because we have had a
2 conversation about this, Judge TerKeurst -- to the
3 extent to which the schedule for whatever this
4 next round of comments is going to be, could take
5 into account the things that we have going on.

6 It is very difficult to pull some of
7 this stuff together in very short order. And to
8 the extent to which time could be allowed, and
9 also we could have dates that don't conflict with
10 other dates. That would certainly be very
11 helpful.

12 ADMINISTRATIVE LAW JUDGE TerKEURST:
13 I'll go ahead and respond to that. Because I've
14 been hearing about these conversations that have
15 been going on.

16 And it's of concern for a couple of
17 reasons. One is the PUC's rules explicitly don't
18 allow parties to bring new information in in reply
19 comments. I mean the purpose of the reply
20 comments is to reply to the positions that the
21 other parties have put forward.

22 And there's a problem if new information
23 comes in in your reply comments. Then do we allow
24 the other parties to file supplemental reply
25 comments to respond to what you've brought in?

1 So anyone that is thinking that you're
2 going to bring in new factual information in your
3 reply comments, you need to contact me as quickly
4 as possible and let me know what it is you're
5 thinking about doing. And let me think about it
6 and talk about it among the staff to see if we do
7 think it's worth creating additional procedures to
8 allow you to do that.

9 Because, in fairness, we need to allow
10 the other parties to respond to it.

11 And that runs right into the other issue
12 that you just brought up, which is the schedule.
13 If we do that, then you're running into
14 conflicting with other dates that we're setting
15 for comments on other equally important issues.

16 MR. PEDERSEN: Well, actually there are
17 two separate things here, Judge TerKeurst. And
18 thank you for raising that.

19 Actually what we would hope to present
20 was some further information about this issue that
21 I was just talking about, about how these
22 different allocation methodologies would have
23 differing impacts for differently situated
24 utilities.

25 And so in our judgment it is responsive

1 and is appropriate for reply comments, but I would
2 be happy to show you whatever we have before doing
3 it.

4 However, that may not be possible within
5 the six working days allowed. Is there any chance
6 of getting a bit of an extension of the date of
7 the 14th?

8 I'll raise it otherwise.

9 ADMINISTRATIVE LAW JUDGE TerKEURST:
10 Yeah, this is not the time to --

11 MR. PEDERSEN: Yeah, I'll raise it
12 otherwise.

13 ADMINISTRATIVE LAW JUDGE TerKEURST: --
14 time. There will be other deadlines coming at you
15 besides this one. So that's part of the concern.

16 (Laughter.)

17 MR. PEDERSEN: Well, and that was the
18 other concern. We, for example, the date of the
19 14th is exactly the same date as we have the E-3
20 workshop; the last date, the 31st, is the same day
21 as the CARB workshop. And so to the extent to
22 which it would be possible to have all this taken
23 into account, we'd certainly appreciate it. At
24 least we would.

25 ADMINISTRATIVE LAW JUDGE TerKEURST: You

1 could file early.

2 (Laughter.)

3 MR. PEDERSEN: But then we wouldn't have
4 our data, right?

5 MS. JOHNSON KOWAL: Leilani Johnson
6 Kowal with LADWP. I appreciate the fact that we
7 can laugh a little bit about this whole process.
8 It is a bit crazy.

9 And for those of us all in the room that
10 have spent the last year on this AB-32 rulemaking,
11 I think we appreciate the fact that we get to come
12 together every two weeks.

13 I just want to make it very clear that
14 from LADWP's perspective, an output based
15 allocation, one that's based on retail sales,
16 absolutely sends the wrong message. And it is a
17 complete disconnect from AB-32.

18 It leads us down the wrong path. And
19 the reason why is because in an emissions
20 reduction program the whole point, and the reason
21 why an emissions-based allocation works is when
22 you purchase allowances that are freed up because
23 of early actions, they do reflect emission
24 reductions.

25 If we went down the path of giving extra

1 credit for clean portfolios that are nuclear and
2 hydro, which was mentioned this morning, one of
3 the problems is that that is already accounted for
4 in someone's resource mix.

5 And to go down the path of allocating
6 based on sales and output-based methodology
7 basically provides the same type of results here
8 in California simply because those that have the
9 nuclear and hydro would also benefit from a retail
10 sales based allocation.

11 We are not interested, let me be very
12 clear, we are not interested in trading for the
13 sake of trading. That does not get us to the end
14 goal of AB-32.

15 And I came in here today this morning
16 with our filing and with the presentation where we
17 did come to a compromise. And that was something,
18 Karen, that you had mentioned this morning, was
19 that you were hoping that there was going to be
20 some kind of compromise, and some kind of common
21 ground that we could come to. And LADWP came here
22 with a 2020 benchmark, which I think is a huge
23 step.

24 And yet this afternoon we start off with
25 PG&E, with Ray Williams, talking about output

1 based on sales where we're talking about no
2 emission reductions. He even mentioned that they
3 don't have the opportunity for emission
4 reductions. And yet an output based would result
5 in them receiving a huge windfall in allowances in
6 the early part of this.

7 And to me that is where the disconnect
8 happens. I think we have to come back to what the
9 goals were of the program, and go through the
10 whole exercise of developing the inventory,
11 determine what the reduction goals are, and meet
12 those goals.

13 And to do so, trying to do that with an
14 output based basically places additional burden on
15 those utilities like LADWP and the other SCPA
16 utilities, that are trying to change our resource
17 mix, but then at the same time have to go out and
18 buy these allowances.

19 To us that is what you call a wealth
20 transfer, and that is absolutely not acceptable
21 under AB-32. That does not meet the intent of AB-
22 32 to be cost effective. And to us that is
23 something that absolutely cannot go forward.

24 There's no correlation to the major
25 emission sources or the potential for reducing

1 emissions. And, again, this morning I did
2 indicate that we are committed to making those
3 reductions; and we do recognize that LADWP is in a
4 position of making greater significant emission
5 reductions than those utilities that have cleaner
6 carbon resource mixes.

7 So, a utility like PG&E or those
8 utilities under NCPA that do have cleaner
9 portfolios because of nuclear and hydro, they are
10 being rewarded. And those are early actions that
11 are being rewarded in their carbon resource mix.
12 And it does lower their overall compliance costs.

13 The gloves are still on, by the way.

14 (Laughter.)

15 MR. ROSCOW: I -- we'll take people in
16 order, so whoever's next. But I would like to
17 hear today a response to the wealth transfer
18 argument or concern. Because I haven't really
19 seen that in comments yet. And it -- okay, so
20 great. Whoever, however you want to sort things
21 out.

22 MR. REED: My name is Jeff Reed; I'm
23 here from San Diego Gas and Electric today. And
24 I'd just like to support a few comments that I've
25 made before.

1 I think our overarching objective here,
2 in terms of AB-32 compliance, is to insure that
3 the goal for verifiable emission reductions is
4 achieved at the lowest overall cost.

5 So, to us, that would be consistent with
6 either administrative allocation or an auction
7 with funds returned to the utilities for the use
8 of making these emission reductions. And the
9 difference being that this doesn't have a market
10 uplift in it that would go to other market
11 participants than the utilities or load-serving
12 entities.

13 As far as this issue of wealth transfer,
14 though, we did want to comment briefly on that
15 one. If we leave aside for the moment nuclear and
16 hydro, but look at actions and investments under
17 the Energy Action Plan, and energy efficiency
18 demand response programs and some of the things
19 mentioned by PG&E, those investments are
20 significant; the costs either of PPAs or
21 investments in EEDR, and those are embedded in our
22 current rates, and we have actually looked at rate
23 differentials between some of the lower emitting
24 utilities and some of the higher emitting
25 utilities, and see a pretty significant

1 correlation between rates and carbon intensity.

2 So, I guess obviously there's gray area
3 here, room for compromise. But our perspective on
4 the wealth transfer discussion would also be that
5 there's issues of embedded cost recovery that you
6 could look at under the same concept.

7 MR. GOLDBERG: I guess Norm Pedersen
8 rang my bell so I had to get up as --

9 (Laughter.)

10 MR. GOLDBERG: But I want to say, from
11 what I had heard of the SCPA comments, and this
12 is -- TURN's position has been that we are not
13 necessarily enamored with the cap-and-trade
14 market, per se.

15 And I think much of this whole effort is
16 focused on the notion that we will have a cap-and-
17 trade market.

18 As I heard Norman's comments, I thought
19 they spoke to a regulatory, a basic regulatory
20 approach. And I'm not sure if there's a basic
21 regulatory approach that this exercise needs to go
22 that much further.

23 What we are talking about, though, is we
24 are creating a market. And when you do that there
25 are always going to be winners and losers. And

1 really the focus of this, when you -- and I think
2 as you come up with each method of allocating
3 allowances, just to clarify, the phrase windfall
4 profits comes in not as Steve Kelly mentioned it,
5 anybody doing well in the market. It comes in
6 from giving a prior stakeholder an allowance that
7 they then are granted for free and get to trade on
8 the market.

9 And the discussion, which I think was
10 fairly sophisticated, in Europe was not kind of
11 waving our hands about windfall profits and
12 economic rents, but it had specifically to do with
13 the granting of allowances that were then traded
14 on the market. And in that context, prices rose
15 by the same amount that they would have anyway.

16 So, the question becomes if prices are
17 going to rise in a carbon reduction system, in a
18 cap-and-trade market where essentially the
19 opportunity cost of the allowance is what is going
20 to determine the market price, then if you give
21 them away ratepayers are paying the same amount of
22 money, but are getting none of the benefits back.

23 If you sell them on the notion that we
24 all have a stake in the allowances, then that
25 revenue recycles. And that's really where the key

1 comes in.

2 So I think much of the discussion, I
3 think you'll find a dead end if you try to figure
4 out which resources, which historical set of
5 circumstances needs to be rewarded, and which set
6 should not be rewarded because you'll never find
7 agreements among stakeholders.

8 What you will find is if you go to a
9 market-based system and sell the allowances the
10 discussion comes most significantly with regard to
11 revenue. And how that revenue recycles, who it
12 goes back to, what it is used for. And that is
13 presuming a cap-and-trade system.

14 I think we could also say from TURN's
15 perspective we are concerned, and I mentioned this
16 early, and it's reflected in our comments, on what
17 happens to the market clearing price on the extent
18 to which, I think there was a presentation by
19 Bruce Biewald, who we consulted with, where many
20 people criticized and took his -- criticized his
21 very simplified model.

22 But in that model there was a more than
23 equivalent, if that's a proportional rise in
24 energy prices, with in an auctioning situation.
25 That is something we would be concerned about.

1 But in any case, rates are going to
2 rise. Allocations will be given. Windfalls will
3 begin. I also just want to add that in this
4 market it is very likely that if everyone has to
5 buy their own allowances you will find innovation
6 from now to 2012. You will have a minimum
7 purchase of the number of allowances.

8 The trading market may not be that -- in
9 fact, you will buy the minimum number you can.
10 You then can save and sell on the market. But
11 it's kind of the tail will not be wagging the dog.
12 It will not be the market wagging the -- or the
13 trading underlying the whole allocation, but the
14 allocation will be minimized in the first place;
15 the number of permits will be minimized.

16 We've also suggested that in order to
17 implement this program and to begin it, that the
18 ARB has the authority right now to implement a
19 fee, a carbon permit fee. They can do that on a
20 very low level at \$1 a ton in order to start to
21 gather information and to pay for their own
22 program.

23 But I do think if we are going to a
24 market that it really is the use of the revenue
25 that we should be looking at.

1 MS. LUCKHARDT: Hi, again. I'm Jane
2 Luckhardt on behalf of SMUD. And I would guess I
3 would like to respond to a couple of things. And
4 it goes to kind of the wealth transfer issue and
5 the first point. As well as to Mr. Murtishaw's
6 question to Mr. Tomashefsky this morning on how
7 you distinguish between entities that just are a
8 happy circumstance and have low greenhouse gas
9 emissions, and those that don't.

10 And I can say that from SMUD's
11 perspective this is not a happy circumstance.
12 These were conscious, deliberate decisions made
13 starting in around 1990 in response to actions
14 taken in the global arena that Devra mentioned, on
15 greenhouse gas emissions, on all of those issues
16 that were coming up. The SMUD Board made
17 conscious decisions to go out and procure gas-
18 fired resources, to procure cogeneration
19 resources, to do investments in utility-scale
20 solar, to expend quite a bit of funds in energy
21 efficiency and other methods.

22 And these are things that have been
23 expended. And are included, just as the gentleman
24 from SDG&E stated earlier, are included in SMUD's
25 current rates. These are items; these are

1 expensive generation. This isn't inexpensive
2 generation. Solar, early solar was anything but
3 cost effective. Energy efficiency has been
4 expensive, although it's been a wonderful
5 solution. It has not been as inexpensive as other
6 resources.

7 And when we talk about wealth transfers
8 you really need to look at the whole broad scale.
9 We're not talking about investments just right now
10 and just this one piece. We're talking about
11 investments that have occurred over a long period
12 of time.

13 Utilities plan over a long period of
14 time. Investments in generation are long-term
15 investments. These are things that aren't done on
16 the turn of a dime.

17 And so to look at just one aspect and
18 say, well, we've got a wealth transfer right here,
19 really fails to take into account what it takes to
20 develop utility rates and what's in them, and
21 utility generation profiles.

22 And, you know, I also would like to
23 mention that, you know, those who have invested in
24 these other generation sources, whether it's gas-
25 fired or renewables, have not had the ability to

1 enjoy the low cost of relatively unrestricted
2 emissions from coal generation. It's just it's
3 very different. And to just put a point down on
4 this one point that's shifting from coal to other
5 things right now is a wealth transfer is simply
6 one issue. And we need to look more holistically
7 than that.

8 You know, SMUD walked into this and
9 presented their comments in this area really as a
10 compromise solution. The comments that we made
11 are not entirely in SMUD's self interest. SMUD is
12 a relatively low emission utility with a lot of
13 renewables. They have hydro assets and a lot of
14 energy efficiency, very little coal, and some
15 system contracts, and that's it.

16 And it was presented as a compromise
17 solution. It starts with a historic allocation
18 recognizing the costs that are faced by some of
19 the other utilities. And then shifts to an
20 allocation based on megawatt hours. And I won't
21 try and go through the different names that that
22 may be called at this point.

23 And it's important, though, to have a
24 shift. Because if you don't shift across time,
25 then you are, in effect, penalizing those entities

1 that have spent a lot of money and effort in
2 developing low emissions resources.

3 And so there does need to be a mix
4 between the two and a balance. And that is what
5 SMUD is proposing in its analysis.

6 And there's just one other thing that I
7 would like to cover while I'm up here, and that is
8 the question about markets and auctions, and what
9 do they really bring to the table.

10 And I think part of the concern that
11 SMUD has about auctions is the volatility, and
12 what that potential volatility could be. We were
13 looking at what that could mean for SMUD. And
14 that could be if SMUD is purchasing allocations,
15 it could be a potential cost of between \$30 to
16 \$150 million per year. And we're talking about an
17 energy procurement budget of \$800 million for
18 SMUD. We're talking about a rate stability fund
19 that they use for emergencies and, you know, low
20 hydro years and high temperature years, or
21 facilities breaking down. That is between -- they
22 plan between 50 and 100 million.

23 This potential volatility in the market
24 could blow through by itself their entire rate
25 stabilization fund. And that is a great concern.

1 Volatility would only take from SMUD's ability to
2 respond to GHG, to greenhouse gas reduction needs.

3 In this instance, all the utilities and
4 all the entities need to be putting their money
5 and their time and their planning into resource
6 procurement shifts. And not into concerns about
7 building up rat stability funds on potential
8 volatility of the market.

9 Now, the market may reduce volatility
10 over time, but that's why SMUD is really proposing
11 a smaller portion of the market to auction,
12 because if it creates a great amount of
13 volatility, then that just pulls money away from
14 the goal of reducing greenhouse gas emissions.

15 And the one other thing that I would
16 like to mention, I just about forgot, is there's a
17 lot of statement about, a lot of comments today
18 about, well, how will this impact the federal
19 debate. And how will we ultimately influence what
20 happens there. And if we go to a straight
21 megawatt hour basis now, if we use a historic
22 basis now, that well, then that will really hurt
23 California in the future.

24 I think we can show leadership by coming
25 up with a reasonable compromise. We have to

1 remember that California is only one state of
2 amongst 50, and there are many coal states out
3 there.

4 And so I think our ability to show that
5 we can come up with a reasonable compromise may
6 well lead us in the future.

7 MR. ROSCOW: Just a question. Aren't
8 you pretty close to LADWP in terms of your
9 proposal? At least the way I summarized it is you
10 both want to start with historical -- an
11 allocation based on historical emissions, and then
12 move to some form of benchmarking. And I think
13 your form of benchmarking is different, but it
14 seems like you're actually quite close to each
15 other.

16 MS. LUCKHARDT: Yeah, I think we are. I
17 think we have some concerns about whether it's
18 realistic to assume that some of the entities can
19 actually get down to what we're kind of generally
20 saying, maybe about 500 pounds per megawatt hour.
21 And we're just not sure that everyone would be
22 able to get to that by 2020 realistically.

23 But, yes. No, I think we are very
24 close.

25 MS. WHYNOT: Good afternoon. I'm Jill

1 Whynot with South Coast Air Quality Management
2 District. I've decided to come up and make some
3 comments because reclaim has been mentioned
4 several times today.

5 For those of you who may not know, we
6 run a large emissions trading program for many of
7 the stationary sources of nitrogen oxides and
8 sulfur oxides. And it's been in place for about
9 14 years.

10 Our agency has not been very engaged in
11 your process so far, but I think after hearing the
12 discussions today I'm going to go back and
13 recommend that we fully engage, because I think
14 there's a lot of things that we've learned that
15 you may find beneficial.

16 We don't have a position at this point
17 in terms of whether you should base the start of a
18 cap-and-trade program, if there is a program, on
19 an auction or an allocation. But I have some
20 general observations that I hope might be
21 interesting to you.

22 First of all, whichever way you go, you
23 have to have an accurate inventory for each of the
24 facilities. And that's critical. And what we
25 found in reclaim, we based it on historical

1 activity, we had a lot of companies coming to us
2 saying, oh, I made mistakes and I need to go back
3 and fix my previous allocations. So we started
4 with a better inventory.

5 It's also very important that the sum of
6 all of your allocations, whether people buy them
7 or whether you give them to them, be very close to
8 your actual emissions. Because in hindsight, we
9 let companies pick a peak year over a five-year
10 period because of recessionary impacts, to base
11 their starting point. And we started with an
12 awful lot higher total allocations than what the
13 actual emissions were. And that really took a lot
14 of the impetus out of people doing early
15 reductions so they could take advantage of the
16 trading program.

17 I think one of the key things is that
18 regardless of how these get to the companies,
19 these allocations cannot be property rights. We
20 had to go back into reclaim in 2005 and set
21 further emission reductions. Had we said these
22 were property rights, or not specifically said
23 they were not property rights, we would have had a
24 lot of challenges on that respect.

25 So if, for some reason, the 2020 or 2050

1 target gets readjusted and you have to go back and
2 say sorry, everybody, you've got 5 percent less of
3 an allocation in these years, you need to set it
4 up that way. And we did it based on what they did
5 in the acid rain programs, a very specific
6 language that said that.

7 Someone talked about investors in
8 reclaim. And we actually have a study group and a
9 working session going now to look at the role of
10 investors. For the first 10 or 12 years we just
11 had basically traders back and forth from
12 facilities. Some third parties that would make a
13 little bit of money on it. And actually some
14 environmental groups that would buy credits in the
15 program and they would retire them for benefit of
16 the environment, or give them as gifts. I
17 actually got a pound of NOx as a gift once, which
18 was kind of cool.

19 But we're now seeing investors, and
20 we're seeing overseas traders. And so that brings
21 in all kinds of enforcement issues in case there's
22 a trade that's not done properly. How do you go
23 and, I think it's the Isle of Man, which is a
24 little island in the Indies or South Pacific, how
25 do you go about doing that. So that's something

1 that definitely needs to get considered when you
2 set that up.

3 Also the other point I need to say is
4 that no matter how good your economic studies are
5 about markets and how people will react, our
6 experience is that the people in the market do not
7 always follow rational economic behavior.

8 Companies that have excess credits to
9 sell, and could make a lot of money doing that,
10 sometimes choose not to because they think it
11 sends the wrong environmental message. And
12 companies that have low-cost emission reductions,
13 so that they could do those onsite and sell, don't
14 always make those choices. So it's an interesting
15 thing to take the academic exercise into
16 practical. And you need to allow some margin for
17 people behaving like humans, and not like an
18 economic model.

19 And so with that I'm going to close. We
20 haven't followed this process. What I'd like to
21 do is submit a whitepaper that we prepared for the
22 Air Resources Board earlier this year on key
23 lessons learned for reclaim. And there's a real
24 nice executive summary there that shows some of
25 the things that, had we gone back knowing now what

1 we do, and were to redesign the program, we would
2 have done quite a few things differently. So
3 we'll be submitting that by the deadline on the
4 14th. And look forward to working with you.
5 Thank you.

6 MS. BERLIN: Susie Berlin for the
7 Northern California Power Agency. I'd just like
8 to mention a couple things. You said no one's
9 responding to this wealth transfer issue.

10 I think that the term wealth transfer
11 needs to not even be a part of this debate because
12 it depends on where you stand. If you are a low-
13 emitting resource and allocation of allowances are
14 based on high emissions, and yet you have to
15 reduce, you're going to have to purchase your
16 emissions from someone else. So then there's a
17 wealth transfer away from you.

18 So that just really, like Steve said,
19 depends on where you sit, depends on where you
20 stand.

21 I don't think that there's this notion
22 of windfall profits to low-emitting resources,
23 because as has been mentioned, those are resources
24 that have already been bought and paid for. And
25 those are rolled into ratebase. For example,

1 Alameda's rates are not 7 cents per hour, they're
2 12.5 cents. So there's a big difference.

3 And we need to understand also that all
4 of the resources, the renewables and the low-
5 emitting resources, are not gratuitous free hydro.
6 First of all, even if they are hydro, those are
7 extensive investments. And further, there are
8 extensive investments that were made by proactive
9 and conscious decisions to reduce emissions
10 starting further back than AB-32 in expensive
11 resources such as geothermal.

12 So it's not as black-and-white as -- it
13 would be easy if it was, but it is certainly not
14 as black-and-white as it may appear.

15 So, that's a couple points I wanted to
16 raise.

17 MR. ROSCOW: I think there's a line in
18 the back and the folks in front aren't seeing it.
19 Is that --

20 (Laughter.)

21 MR. ROSCOW: -- is that accurate?

22 MR. MORRIS: I've been kind of waiting
23 for awhile, so --

24 MR. ROSCOW: Well, okay, so who's in
25 line? Okay, so go ahead, and then we'll start in

1 the back after that.

2 MR. MORRIS: Thank you.

3 MR. ROSCOW: Sorry for the confusion.

4 MR. MORRIS: Sorry. Greg Morris of the
5 Green Power Institute. Some people have
6 described these allowances as if they're dollars.
7 I think that's a little bit wrong. What they
8 really are, are they're commodities.

9 And we've also sort of taken a binary
10 approach where we say we're either going to
11 auction them off, or we're going to give them away
12 according to some kind of administrative formula.
13 But those are not the only two choices.

14 One can certainly distribute allowances
15 by administrative formula, but sell them at a
16 price that is reasonably reflective of the
17 difference in price between a cheap, high-emission
18 resource, and that of a zero-emission resource.

19 And when you start to do that, you avoid
20 what concerns me as the greatest potential for a
21 perverse transfer of wealth, which is that if you
22 allow allocations to be given away, and we have the
23 effect that TURN just described, which I think is
24 the inevitable effect that overall wholesale
25 prices rise because they go to the market clearing

1 price. What you actually do is give the potential
2 for that transfer of wealth to go to the fossil
3 fuel generators, who are now able to raise their
4 prices against that higher wholesale level, and
5 not having to purchase allowances because the
6 allowances have been given away. So, to me,
7 that's a very important and big concern in terms
8 of transfer of wealth.

9 So, I think that it's important to look
10 at these things as commodities; and it's important
11 to understand that commodities, public sector
12 created or owned commodities, should not be given
13 away.

14 Thank you.

15 MR. MICHEL: Commissioners, Judge, my
16 name's Steve Michel with Western Resource
17 Advocates.

18 Just quickly responding to what was just
19 said, I think there's a lot of merit to the notion
20 that if you do go down an auction path instead of,
21 for example, a sales path, you need to be very
22 careful. We are in a -- you know, we're dealing
23 with a very immature market, a brand new market.
24 And, you know, while economic theory says that the
25 marginal cost of reducing carbon should drive the

1 price of these allowances, you know, if there are
2 market-design imperfections, game theory, there
3 are a lot of things that can play into how these
4 prices are going to be set in an auction. So, you
5 know, I'd urge you to just approach the auction
6 issue carefully.

7 The other thing I'd like to say is that
8 there's a distinction here that I haven't heard
9 drawn yet. And from where we're coming from we
10 want to see as much CO2 reduction as quickly and
11 as cheaply as we can get it. We think that's
12 paramount.

13 Unlike the eastern electricity markets,
14 in the west you've got vertically integrated
15 utilities. And I think that's an important
16 distinction. Because economic theory is going to
17 tell you that in a competitive market if you give
18 away allowances the recipients of those allowances
19 are going to be able to charge the value of the
20 allowance regardless of whether they pay for it or
21 not. And that's a big concern, because somebody's
22 going to have to fund that economic gain.

23 But when you're dealing with price-
24 regulated, vertically integrated utilities you
25 don't have that concern. If allowances are given

1 to those entities, there's no cost recovery for
2 those under every utility regulatory model that
3 I've seen.

4 So, what we need to distinguish is
5 utilities with dedicated resources that are rate-
6 based versus recipients of allowances that are not
7 part of a price-regulated regime.

8 And what we would suggest is that for
9 utility generation that is rate-based and price-
10 regulated, that those allowances should not be
11 sold or auctioned. That they should be given to
12 those utilities based on some, you know, historic
13 baseline; you know, depending on when you want to
14 start rewarding early action. That's when you
15 would set that baseline.

16 But we do think that a distribution to
17 utilities in that instance is better. And that an
18 auction or a sale is more appropriate when you get
19 away from that, when you get to independent power
20 producers or others that are selling to utilities
21 and are the recipients of allowances.

22 And just real quickly, you know, the
23 reason for that is that is let's just assume you
24 have a utility that's producing 1000 gigawatt
25 hours of electricity a year. And it's all coal-

1 fired, so they're emitting 1000 tons per gigawatt
2 hour. It means they're putting a million tons of
3 CO2 into the atmosphere every year.

4 Let's say you want to reduce that 10
5 percent. That means you need to reduce that by
6 100,000 tons. If you assume a price of \$30 per
7 ton, that's going to cost that utility \$3 million.

8 Now, let's take the situation where you
9 auction allowances to that utility instead of
10 provide allowances. That utility is then going to
11 have to reduce its emissions 10 percent, the
12 100,000 tons; plus it's going to have to buy
13 900,000 allowances.

14 If you use the same price of \$30 per
15 ton, instead of costing that utility \$3 million,
16 it's going to cost that utility \$30 million.
17 Instead of raising electric rates .3 cents per
18 kilowatt hour, you're going to be raising electric
19 rates 3 cents a kilowatt hour. And the key is
20 you're not getting a single ton more carbon
21 reduction when you do that. All you're getting is
22 \$27 million for somebody to spend.

23 And that's not a direction that we think
24 is prudent to go. Like we said, we want to get as
25 much carbon reduction as cheaply and as quickly as

1 we can.

2 Thanks.

3 MR. LAZAR: I'd be happy to spend the
4 \$27 million if nobody else wants to volunteer.
5 Jim Lazar for Burbank.

6 My friend from TURN brought up the issue
7 of -- I'm actually not going to -- I'll talk the
8 rates issue first.

9 We heard that the rates issue is not
10 black-and-white; and indeed, it isn't. It's blue-
11 and-red. What I've graphed here are the average
12 revenues per kilowatt hour for the California
13 larger municipal utilities from the Energy
14 Information Administration. I took their data; I
15 didn't -- all I did was graph it. So there's no
16 analysis by me.

17 I don't have the investor-owned
18 utilities on this chart because their rates are
19 calculated including some additional costs,
20 federal income tax, shareholder profit, and it's
21 not quite an apples-to-apples comparison.

22 But the reds are the southern California
23 utilities. Vernon is a special case; it's almost
24 all industrial and has like no residential load to
25 speak of at all. Anaheim, L.A., Imperial

1 Irrigation District, Pasadena, Riverside, Glendale
2 and Burbank.

3 The high-cost utilities are also the
4 high-emission utilities. They don't have cheap
5 hydro from rivers in northern California. All
6 we've got is a desert. We will have more solar
7 than anybody else in time, but we're certainly not
8 there yet.

9 The blue utilities are the southern
10 (sic) California utilities, San Francisco, also a
11 special case. They only serve city loads. Palo
12 Alto, Silicon Valley Power, Roseville, Turlock,
13 Modesto and SMUD. And you've heard that SMUD has
14 spent a lot of money on a lot of good things and,
15 indeed, they have. They retired their nuclear
16 plant prior to the end of its accounting life, and
17 that was an expensive thing to take into their
18 rates. They had to buy replacement resources for
19 it.

20 But my point is the high-emission
21 utilities that SCPPA represents are at the high
22 end of the scale. And the low-emission utilities
23 have the lower rates.

24 Now, let me turn very briefly to the
25 comment that was made by Lenny. Indeed, if you

1 were to allocate allowances to generators, as we
2 did allocate sulfur to generators, and the
3 generation market was unregulated and separated
4 from the ratepayers, then indeed the market price
5 would bid up and consumers would pay a higher
6 price for all of their electricity.

7 It excited Bruce Biewald who did a
8 presentation on this. I've worked with Bruce
9 quite a bit. He's based in Boston. The five of
10 the six New England states are fully deregulated.
11 The distribution utilities have no generation.
12 The customers have no cost-based entitlements to
13 electricity. And, indeed, in that situation when
14 the wholesale market bids up, the consumers pay
15 100 percent of the cost.

16 The municipal utilities, to a greater
17 extent than the investor-owned utilities, and this
18 is true north and south, the municipal utilities
19 north and south are pretty much fully resourced.
20 We have acquired by ownership or long-term
21 contract the resources that serve our customers.

22 Our customers are not exposed to the
23 market in a big way. If you were to allocate
24 allowances to generators it would affect the
25 investor-owned utility customers to the extent

1 they're market-dependent. Nobody, except maybe
2 the independent power producers, is proposing
3 allocating allowances to generators. I think all
4 the rest of us are either talking about allocating
5 them to retail providers, or allocating them to
6 nobody at all and auctioning them.

7 Within that context the municipal
8 utilities, who are fully resourced, and not very
9 exposed to market, a few percent here and there,
10 would not have any run-up in price as a result of
11 the market price bidding up. The market price
12 might, in fact, bid up, but we're not exposed to
13 it very much. And our customers would not have
14 that exposure.

15 So the concern that TURN expressed,
16 while it has some applicability if allowances were
17 allocated to generators, we think it has no
18 applicability at all to the consumers of municipal
19 utilities if allowances are allocated to the
20 retail provider.

21 Thank you.

22 MS. WARREN: Joy Warren with the Modesto
23 Irrigation District. I just want to make a quick
24 point. We've heard a couple times today this idea
25 of a split between north and south, northern

1 utilities and southern utilities.

2 And I just wanted to me it clear that
3 that can be somewhat of a simplistic division in
4 that there are many northern utilities that may
5 have some high carbon resources, and high carbon
6 mix, as well as some southern California utilities
7 that have low carbon, low emission rates. As well
8 as some northern utilities that don't have a lot
9 of hydro.

10 So, it's not a clear distinction or a
11 clear division. And there are many variables that
12 affect the impact that AB-32 reduction
13 requirements and allowances will have on different
14 utilities in the north and south.

15 So we don't want to get caught up in
16 thinking that it's a clear line that splits the
17 state.

18 MS. GRIFFIN: Sort of sounds like we're
19 all kind of to the end of our comment period here.
20 Any party who hasn't spoken wishes to come up and
21 talk on this issue?

22 CHAIRPERSON PFANNENSTIEL: Is there
23 anybody on the phone?

24 MS. TAM: Hi. I'm Christine Tam from
25 Division of Ratepayer Advocates. When we looked

1 at the ruling issued by the Joint Commission, it
2 really asked this question of allocation from two
3 regulatory perspectives. One is from the low
4 base, and one is from the first seller regulation,
5 point of regulation.

6 And I hear a lot of comments today
7 primarily from the utilities regarding the
8 allocation of the allowances to the utilities.
9 And DRA wants to put in a third perspective, a
10 third regulatory perspective, which is from a
11 source-based point of regulation, very similar to
12 what RGGI is currently doing.

13 The PUC currently has full regulation.
14 They can exercise their regulation over the
15 investor-owned utilities to require the investor-
16 owned utilities to maximize the energy efficiency
17 savings, and to meet their renewables target.

18 And similarly, the municipal utilities
19 are also required by legislation to meet the 20
20 percent renewables target by 2020. And AB-2021
21 also has requirements of the munis to establish
22 ten-year energy efficiency savings targets.

23 To the extent that these utilities can
24 reduce their greenhouse gas emissions through
25 their fully exercising their energy efficiency

1 programs and increasing their renewable supply, we
2 want to turn the angle to the generators and see
3 how we can meet the targets of AB-32 through
4 reducing the reductions at the generator level.
5 And really looking at the allocation question from
6 a generator perspective.

7 And I heard Mr. Lazar just mentioning
8 that the munis are fully resourced. That, I
9 think, is very useful information. And to what
10 extent and for how long as these munis fully
11 resourced. I think that's also a question that I
12 would have for Mr. Lazar.

13 But I really want the parties to, you
14 know, take a look at DRA's proposal and our
15 opening comments, and respond to it. And I think
16 that would also -- yeah, so anyway, okay. Thank
17 you.

18 MR. MURTISHAW: There is one question
19 that I've had as far as this opportunity for
20 transfer of wealth. And I wonder if there might
21 be some reaction in the audience, particularly
22 from some of the high-carbon utilities.

23 But there's generally discussion about
24 the possibility for transfer of wealth assumes
25 that that transfer would occur by having high-

1 carbon utilities having to buy allowances from
2 low-carbon utilities.

3 But there's an interaction here with the
4 reporting protocols that are still being developed
5 by ARB, and have yet to be fully adopted or
6 finally adopted. And that is what is the
7 possibility for a transfer of wealth if
8 allocations are done on the basis of historical
9 emissions. And yet those utilities have an
10 opportunity to sell off their coal and replace
11 that with purchases of nuclear power from an out-
12 of-state generator or hydro. Then wouldn't they
13 have received an over-allocation which would
14 result in a transfer of wealth to southern
15 California utilities.

16 MS. JOHNSON KOWAL: I'm sorry, Scott.
17 This is Leilani Johnson Kowal, LADWP. I think I
18 indicated this morning in my presentation that
19 LADWP is investing in renewables and renewable
20 transmission and energy efficiency. And I don't
21 think I recall any mention of hydro or nuclear as
22 being replacements for coal.

23 And in terms of contract shuffling, I
24 think there's a fundamental flaw in AB-32 that
25 we've all come across, particularly in the

1 mandatory reporting protocols we're coming across
2 it with the first seller, we're coming across it
3 now with this allowance allocation.

4 It's a fundamental flaw of AB-32 that we
5 can't get around, and we can't plug these certain
6 things without violating the commerce clause.

7 So, I think one of the things that we
8 have to think about, how do we get to the direct
9 emission reductions related to emissions
10 associated with electricity consumed in
11 California, whether it's imported or generated
12 instate.

13 MR. MURTISHAW: I'll just say I have
14 noticed that there was no discussion of purchasing
15 nuclear or -- existing nuclear or hydro by you in
16 your presentation. And yet, at the ARB workshop
17 on the 31st, LADWP's representative kept arguing
18 for that possibility to remain on the table.

19 And so, if your representative at ARB
20 was arguing for that possibility, then I'm
21 assuming that you still want that option
22 available. And if that is true, and if that
23 option were available and allowance allocations
24 were made on the basis of historical emissions,
25 then I see an opportunity for a transfer of wealth

1 from low carbon to high carbon.

2 MR. PEDERSEN: Leilani and I were both
3 otherwise occupied on the 31st. So we were not at
4 the AB-32 workshop.

5 MR. MURTISHAW: Right. Cindy Parsons
6 from LADWP --

7 MR. PEDERSEN: Cindy was there.

8 MR. MURTISHAW: -- made that --

9 MR. PEDERSEN: But we're very well aware
10 of what is in the draft proposal that went -- the
11 proposal that went from the CEC and the CPUC. We
12 did not challenge that. We understand it. We
13 support it, you know, the idea that it would be
14 contract shuffling to go out and replace your out-
15 of-state coal-fired with big hydro, large hydro or
16 nuclear. That's in the rules; that's what ARB has
17 proposed.

18 We did, of course, urge that there be a
19 change in your proposal about being able to go out
20 and buy existing renewables, you know, wind, not
21 large hydro, not nuclear, and be able to use those
22 to replace coal-fired resources. And actually the
23 Commission went along with that suggestion.

24 But certainly that is not something that
25 we're looking forward to as a possibility. And

1 it's, in large part, due to the fact that that
2 isn't what's in the proposed reporting protocol.

3 MR. MURTISHAW: Okay, all right, well,
4 thanks for that clarification.

5 MR. MICHEL: My name's Steve Michel.
6 With regard to the contract shuffling it's not
7 just trading out coal for nuclear or hydro. Even
8 if you're trading it out for renewables that are
9 already in existence you're not getting carbon
10 reduction, you're just moving resources around.

11 And we think that's a real problem, or
12 at least one that we really need to look at. And,
13 you know, without going into details, you know, we
14 have -- this paper in dealing with carbon dioxide
15 reduction credits, and using credits instead of
16 allowances.

17 Well, those credits would trade
18 independently the electricity. So you have,
19 basically they would trade like RECs would trade.
20 So that there is no opportunity under that method
21 for any kind of contract shuffling because there's
22 no benefit to do that because your emissions are
23 being traded separate from your electricity.

24 You're going to buy your electricity
25 wherever it's cheapest, and you're going to buy

1 your credits wherever it's cheapest. And the
2 contract shuffling issue does, we think, go away.

3 MR. MURTISHAW: Excuse me, so would that
4 be -- I can see that that's certainly true for
5 instate resources where you can track every
6 megawatt hour and the emissions associated with
7 it.

8 And I'm sorry that I haven't had the
9 time to fully read the comments that you and your
10 organization submitted. I got started on them,
11 but didn't quite finish, so I'm not sure if I got
12 through the section that talks about how to
13 include the out-of-state resources in the CORC
14 method.

15 So what would prevent contract shuffling
16 among out of state?

17 MR. MICHEL: Well, because CORCs are
18 allocated, awarded, what-have-you, based on the
19 entire generation footprint in the WECC. So the
20 entire market of generation is encompassed.

21 You know, certainly if you only gave
22 CORCs to generators in the WCI or within
23 California, then you do have that potential.

24 But this, in our mind what you have to
25 do to avoid contract shuffling, to avoid leakage

1 is you have to recognize that you're dealing with
2 a whole market here. And you have to encompass
3 the whole market, even though you're only a part
4 of it. And when you do that, the contract
5 shuffling issue goes away.

6 The next issue you need to deal with is
7 how much are you going to pay extra to bring in
8 this whole market and make sure that you've got
9 the whole market involved. And that's an issue we
10 deal with in some detail in the paper.

11 But the idea is you give CORCs to every
12 generator, or associated with every generator, in
13 the west. And then when you're complying you need
14 to make sure that all those CORCs get reabsorbed
15 so that you get genuine reductions instead of just
16 clean energy transfers between LSEs in and out of
17 whatever region you're regulating.

18 I don't know if that helped you, but I
19 guess the short answer is all the generators in
20 the WECC -- in the entire market are involved. So
21 there's -- and the reason you can do that is
22 because it's not -- because by giving credits
23 instead of by giving allowances, you're going from
24 an enforcement requirement, which you really can't
25 do, out of your jurisdiction, to an incentive

1 requirement which is self-policing.

2 And that's why it works with credits
3 instead of allowances.

4 MR. MURTISHAW: This is assuming that
5 other states in WCI would, at some point, have
6 enforceable caps so that the amount of generation
7 doesn't far exceed the amount of load in the
8 regulated system? I'm not sure that I understand
9 how, if you're giving these CORCs to every
10 generator throughout WECC, but California is the
11 only state with an enforceable cap, then who would
12 claim the out-of-state high carbon resources?
13 Wouldn't this flood the market and reduce the
14 value?

15 MR. MICHEL: Well, as you get more and
16 more participation, you know, as you go to a WCI
17 footprint instead of a California footprint, the
18 issue gets much easier.

19 But, let's say whatever your footprint
20 is, let's say it's the WCI. You've got two-thirds
21 of the energy represented there. That two-thirds
22 of the energy needs to absorb all the CORCs that
23 are issued for all the generation in the WECC.

24 Now, the issue that I think you're
25 grappling with is well, aren't you paying a lot

1 more than we should be paying to do that. And
2 there are some methods to deal with that.

3 One is to sell CORCs instead of give
4 them away, and use the proceeds to offset the
5 financial impact of issuing them to everybody.
6 But, you know, another method is to give CORCs to
7 the LSEs when they're associated with non -- well,
8 let me just back -- let me try and shorten.

9 We think we can deal with the issue of
10 the financial burden on the WCI states having to
11 issue CORCs associated with the entire WCI without
12 much of an economic burden. And all I can
13 probably do at this point is refer you to the
14 paper. Because for me to try and explain it right
15 now is a little bit -- it's something you need to
16 sit with for a minute.

17 But, we think we can do that. And we
18 also think that to really avoid the leakage issue
19 and the contract shuffling issue you need to
20 recognize that you're dealing with a complete
21 market, and somehow encompass that whole market in
22 whatever you do, even if you're only doing it in
23 California or in the six WCI states.

24 CHAIRPERSON PFANNENSTIEL: Thank you.
25 We do have one person on the phone who'd like to

1 speak. Michael Sandler from Climate Protection
2 Campaign.

3 MR. SANDLER: Yes, hello. Can you hear
4 me?

5 CHAIRPERSON PFANNENSTIEL: We hear you,
6 yes. Just go ahead.

7 MR. SANDLER: Okay, thank you. Thanks
8 for allowing me to speak. And I've been following
9 the webcast during the day. My name is Mike
10 Sandler; I'm with the Climate Protection Campaign.

11 I have been involved in commenting to
12 the Market Advisory Committee, and have been an
13 advocate in that venue for auctioning 100 percent.
14 And I believe there are a lot of -- I mean there
15 was a good discussion this morning about that.
16 And I agreed with some of the comments from TURN
17 and Union of Concerned Scientists and others.

18 And one of the important issues in how
19 you treat the revenue and will the revenues raised
20 by an auction help balance some of the
21 disproportionate impacts of having to reduce
22 greenhouse gas emissions statewide.

23 And hearing from some of the electricity
24 providers, it does seem that LADWP is behind PG&E
25 in their profile right now. But LADWP has more

1 low-hanging fruit. So the issue in that case then
2 comes to protecting consumers around the state.
3 And I mean human beings, individual human beings,
4 people.

5 And one way to do that would be to
6 provide the permits directly to individual humans,
7 people. And that could work like the Alaska
8 permanent fund. And such a system, I call it
9 carbon share, but it could work alongside a 100
10 percent auction.

11 Your tax forms, you could (inaudible)
12 you like your emissions entitlement. You could
13 receive a cash rebate the same way the Alaska
14 permanent fund does. Those revenues come from a
15 statewide 100 percent auction.

16 You could also receive a tax cut. Or
17 you could receive the share and do it (inaudible)
18 bank. And the bank would, for some financial
19 intermediary, some of whom are probably in the
20 audience there, would be able to sell that on the
21 open market.

22 And that would help the individual
23 consumer, because the costs that we're all
24 discussing will eventually be passed on to the
25 individual consumers. And a per capita approach

1 is really the only fair way to deal with that.

2 So that's pretty much what I wanted to
3 say, and thanks for allowing me to comment.

4 CHAIRPERSON PFANNENSTIEL: Thank you for
5 participating.

6 Karen, are there further discussions or
7 comments?

8 MS. GRIFFIN: No, ma'am.

9 CHAIRPERSON PFANNENSTIEL: Yes. Judge
10 TerKeurst, would you like to talk about the
11 procedure?

12 ADMINISTRATIVE LAW JUDGE TERKEURST:
13 Well, what I was wondering, I mean if we want to
14 wrap the workshop up and go off the record, the
15 parties may want to stick around, since we have
16 some extra time, to talk about procedure. I don't
17 know that it needs to be on the record.

18 But I'd certainly be willing to do that
19 either on the record or off. We could just go off
20 the record and stay in the room, or give five
21 minutes for people who don't want to stick around
22 for it, to clear out so that we can hear each
23 other talk, whatever --

24 CHAIRPERSON PFANNENSTIEL: I think
25 that's a good idea. I think we can conclude and

1 take a break. And then those who want to talk
2 process can stay and do that.

3 With that, I want to thank Karen Griffin
4 and the staffs of both Commissions for putting
5 together a really remarkably insightful day. As I
6 said before, I did read most of the comments that
7 came in, and found them to be very well reasoned
8 and based on good, both information and analysis
9 and policy considerations.

10 You haven't arrived, I wouldn't say, at
11 the end of today at that nice consensus position
12 that I was looking for this morning.

13 (Laughter.)

14 CHAIRPERSON PFANNENSTIEL: But I do
15 think you've given us a lot of direction and kind
16 of showed us where the areas are that require the
17 most tweaking to move towards some kind of
18 position that I think would make the most sense
19 for those of us in the state.

20 I know that Commissioner Byron, who is
21 the other Commissioner on this proceeding with me,
22 regrets having missed it. And I know he will
23 review the transcript of it. And I will encourage
24 him to do so; it is a really useful set of
25 information.

1 With that, we will adjourn the on-the-
2 record proceeding and then stay around and talk
3 procedure.

4 Thank you, all.

5 (Whereupon, at 3:25 p.m., the Joint
6 Agency Workshop was adjourned.)

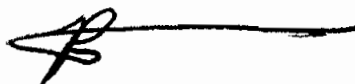
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CERTIFICATE OF REPORTER

I, PETER PETTY, an Electronic Reporter, do hereby certify that I am a disinterested person herein; that I recorded the foregoing California Energy Commission/California Public Utilities Commission Joint Agency Workshop; that it was thereafter transcribed into typewriting.

I further certify that I am not of counsel or attorney for any of the parties to said workshop, nor in any way interested in outcome of said workshop.

IN WITNESS WHEREOF, I have hereunto set my hand this 8th day of November, 2007.



PETER PETTY