

COMMITTEE WORKSHOP
BEFORE THE
CALIFORNIA ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION

DOCKET	
09-AAER-1C	
DATE	DEC 15 2008
RECD	NOV 16 2009

In the Matter of:)
)
2008 Rulemaking on Appliance)
Efficiency Regulations)
) Docket No.
California Code of Regulations,) 07-AAER-3
Title 20, Section 1601 through)
Section 1608)
_____)

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

MONDAY, DECEMBER 15, 2008

1:06 P.M.

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

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Jackalyne Pfannenstiel, Associate Member

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Tim Tutt

David Hungerford

Melinda Merritt

Harinder Singh

Ken Rider

Peter Strait

Bill Pennington

ALSO PRESENT

Alex Chase
Energy Solutions
on behalf of Pacific Gas and Electric Company

Gary Fernstrom
Tim Michel
Pacific Gas and Electric Company

Noah Horowitz
Natural Resources Defense Council

Douglas Johnson
Shawn G. DuBravac
Consumer Electronics Association

Bob Smith
AVAD

James M. Palumbo
Plasma Display Coalition

Gerry Demple
Andrews Electronics

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David Klein
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Leon SooHoo
Paradyne Sound and Vision

Janis Erickson
Sacramento Municipal Utility District

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Heidi Barsuglia
California Retailers Association

Andrew Delaski
Appliance Standards Awareness Project

Edwin Hornquist
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1 P R O C E E D I N G S

2 1:06 p.m.

3 PRESIDING MEMBER ROSENFELD: Good
4 afternoon. Welcome to the Energy Efficiency
5 Committee workshop on televisions. I'm Art
6 Rosenfeld, the Chairman of the Efficiency
7 Committee. And to my right is Commission Chairman
8 Jackalyne Pfannenstiel.

9 To her right is her senior advisor Tim
10 Tutt. Good afternoon, Tim. And to my left is my
11 senior advisor Dave Hungerford.

12 And, Jackie, do you have any comments
13 you'd like to make, other than you are forced to
14 leave at 4:00.

15 ASSOCIATE MEMBER PFANNENSTIEL: That's
16 right. Well, thank you all for being here. This
17 is a continuation of a discussion, and I hope that
18 we're about at the point where we can move on to
19 the next step.

20 Clearly this is an area that's of great
21 interest to me, and to the Commission. So, we
22 have in front of us a lot of good material. I am,
23 unfortunately, needing to leave at 4:00. But I
24 think that we have the whole afternoon ahead of us
25 anyway.

1 So, thank you, Commissioner Rosenfeld.

2 PRESIDING MEMBER ROSENFELD: Any
3 remarks, Tim or David?

4 Okay, Melinda, are you prepared to be
5 introduced?

6 MS. MERRITT: Yes, I think we're ready
7 to go.

8 PRESIDING MEMBER ROSENFELD: Okay.

9 MS. MERRITT: Good afternoon to
10 everyone. I'm Melinda Merritt with the appliance
11 efficiency program. As usual, I first need to go
12 over some building logistic and safety
13 information.

14 For those of you not familiar with the
15 building, the closest restrooms are located out
16 the door and to the left. There's a snack bar on
17 the second floor under the white awning.

18 And lastly, in the event of an emergency
19 and the building is evacuated, please follow our
20 employees to the appropriate exits. We will
21 reconvene on Roosevelt Park, which is located
22 diagonally across the street from this building.
23 We ask that you please proceed calmly and quickly,
24 again following the employees with whom you are
25 meeting, to safely exit the building. Thank you.

1 Today's meeting is the Efficiency
2 Committee's public workshop regarding possible
3 amendments to the appliance efficiency regulations
4 related to televisions in the active mode.

5 There are copies of the meeting agenda,
6 the Committee notice, and a limited number of
7 copies of the staff report and presentations
8 available in the foyer.

9 We ask that you fill out a blue card,
10 also available in the foyer, if you wish to make
11 oral comments today and you're not already
12 identified as a speaker on our agenda.

13 The audio for this meeting is being
14 broadcast, and regrettably we have an inoperable
15 phone-in number that we are correcting. As soon
16 as we have the correct call-in number we'll
17 announce that over the microphone. That will
18 probably be following staff's presentation.

19 All comments received to date have been
20 posted on our website, and we will be posting the
21 slide packs used in today's presentations, along
22 with any additional comments received during
23 today's workshop.

24 The Committee has asked for written
25 comments or additional proposals be submitted by

1 this Friday, the 19th. This workshop is being
2 recorded and a transcript will be available within
3 two weeks.

4 The Efficiency Committee first
5 established part C of the 2008 appliance
6 efficiency rulemaking to specifically consider
7 possible efficiency standards for televisions.

8 In its workshop notice the Committee
9 directed staff to prepare a staff report for
10 consideration at this workshop. So, at this point
11 I will turn the microphone over to Harinder Singh
12 and Ken Rider from the appliance program staff.
13 And they will present staff's findings and
14 recommendations.

15 MR. SINGH: Thank you, Melinda.

16 (Pause.)

17 MR. SINGH: Good afternoon, everyone.

18 My name is Harinder Singh. I'm the program
19 engineer with the appliance efficiency program.
20 Staff is presenting an overview of the television
21 energy consumption and draft efficiency standards
22 for televisions for discussion. And staff is
23 seeking comments for future television rulemaking.

24 The Efficiency Committee conducted a
25 scoping workshop on January 15, 2008, and received

1 proposals to amend appliance efficiency
2 regulations to include active mode standards for
3 televisions.

4 PG&E, the Natural Resources Defense
5 Council and others have recommended adoption of
6 minimum energy efficiency standards for
7 televisions in the active mode as an essential
8 next step.

9 In April the Efficiency Committee set
10 aside part C phase one of the 2008 appliance
11 efficiency rulemaking to consider possible draft
12 standards for the televisions.

13 On July 8, 2008, the Energy Commission
14 received a revised television proposal from PG&E,
15 and an alternate proposal from CEA, Consumer
16 Electronics Association, and various comments from
17 stakeholders.

18 On July 16th the Committee conducted a
19 public workshop to seek comments from interested
20 parties regarding proposed appliance efficiency
21 standards for television in the active mode to be
22 considered as possible amendments to the appliance
23 efficiency regulations.

24 To date staff has analyzed all
25 proposals, comments and transcripts to prepare the

1 staff report draft efficiency standards for
2 televisions.

3 The current Title 20 standards effective
4 as of January 2006 set the maximum standby power
5 mode for all televisions at 3 watts. PG&E
6 estimates that the total energy used by
7 televisions including programming, recording and
8 playback equipment, is approximately 10 percent of
9 residential electric use.

10 PG&E proposes that Energy Commission
11 consider energy efficiency standards for
12 televisions in active mode. PG&E originally
13 proposed standards for televisions on April 2,
14 2008, and the proposed standards are shown in the
15 table here.

16 Second row show the tier one and tier
17 two standards for non-high-definition televisions.
18 Third row show tier one and tier two standards for
19 high definition and full definition televisions.
20 These standards were proposed in April by PG&E.
21 And these are the previous original standards.

22 Here the P-max is the maximum on mode
23 power consumption. And where it is represents the
24 area expressed in square inches.

25 PG&E's study show that significant

1 energy can be saved in the future by requiring the
2 sale of energy efficient televisions. After the
3 existing analog stock is replaced, the active mode
4 tier one tv standards would produce annual savings
5 of approximately 3831 gigawatt hours.

6 And additionally, when the tier two goes
7 into effect, there will be 2684 gigawatt hours of
8 savings. And this estimate is based on the stock
9 replacement by 2018 when all that stock is
10 replaced.

11 Annual power use by each type of
12 television technology is calculated here by
13 multiplying the screen area in square inches with
14 the average screen size as it's shown in the
15 table.

16 PG&E estimates that existing television
17 stock is made up of CRT televisions, 63 percent;
18 LCD 30 percent; plasmas are 5 percent; and DLP,
19 digital light processing televisions 2 percent.
20 Currently statewide television energy consumption
21 is estimated to be 8773 gigawatt hours a year.

22 In the absence of new standards this
23 power consumption is expected to increase to
24 11,335 gigawatt hours a year.

25 As the current stock, mostly analog --

1 ASSOCIATE MEMBER PFANNENSTIEL: Excuse
2 me. By when?

3 MR. SINGH: This is five years from
4 today's date, because looking at the sales number.
5 So CRT televisions probably will be replaced in
6 another five years.

7 In the absence of new standards this
8 power consumption is expected to increase by
9 11,335 gigawatt hours a year, as the current
10 stock, mostly analog CRTs, CRT tvs will be
11 replaced approximately in five years by the newer
12 technologies.

13 The additional energy consumption,
14 because of existing CRT stock replacement, without
15 adding the future growth, will be increased by
16 2563 gigawatt hours a year. These are approximate
17 numbers.

18 The television energy consumption is
19 calculated based on the average of 1907 hours per
20 year. And it is a weighted average of residential
21 and commercial televisions that are in use.

22 The estimated annual sales for 2008 are
23 approximately 4 million. And the following table
24 shows the sales by tv types.

25 Tv sales are growing rapidly, and this

1 trend will continue in the future. The energy
2 consumption will increase rapidly. Having
3 standards for televisions will help in reducing
4 energy consumption.

5 To present and discuss the draft
6 standards, I would like to request Ken Rider to
7 please make his presentation. And we'll take
8 questions after Ken's presentation.

9 Thank you.

10 MR. RIDER: Hi, my name is Ken Rider.
11 And I'm a staff member of the appliance efficiency
12 program.

13 Before discussing the standards, I would
14 like to present some additional background
15 information. There's several other factors that
16 are affecting the statewide energy use of
17 televisions. These factors are beyond reasonable
18 regulatory control, but emphasize the importance
19 of mitigating television energy use where we can.

20 The sale of televisions is estimated by
21 the July 3rd PG&E case study to grow at a rate
22 between 3 and 4 percent over the next three years.
23 The average number of televisions per home is
24 growing, and the numbers of hours used watching
25 those televisions are expanding, as well.

1 As the prices of large, flat-panel
2 displays are dropping, the average screen sizes
3 are increasing. In addition, as people replace
4 their old cathode ray televisions, they tend to
5 buy larger flat screen to match their bulk.

6 Shown here on this slide are two
7 televisions with identical viewable screen area,
8 but not very comparable in size. Now, as you can
9 see, the televisions look comparable in size, but
10 actually the flat-panel screen has a much greater
11 viewable area.

12 This slide illustrates some of the ways
13 that LCD and plasma manufacturers are
14 accomplishing energy efficiency today. And how
15 they can meet the draft proposed standards.

16 3M's Vacuity technology alongside other
17 innovations are improving the efficiency of the
18 transformation of an LCD's backlight into a
19 colored picture. Plasma manufacturers are
20 developing new phosphor and electrode schemes that
21 will both improve picture quality and energy
22 efficiency at the same time.

23 Some televisions are manufactured with
24 photosensors that automatically adjust the
25 brightness of a television depending on ambient

1 light. This saves energy in dimly lit settings.

2 A few televisions are being manufactured
3 with an energy saver mode which gives the user an
4 option to reduce the energy usage of their set.

5 Also, out on the horizon, are new types of energy
6 efficient tvs such as OLEDs and laser television.

7 I will now summarize the content and
8 intent of the draft standards for tvs presented in
9 the television staff report.

10 This first paragraph is simply outlining
11 that televisions must meet the immediately
12 following requirements. The first date that you
13 see, which is right here, refers to the effective
14 date of our standby standards for televisions
15 previously enacted, which were introduced in this
16 first slide.

17 The first set of regulations proposed
18 here are prescriptive and are divided into A, B
19 and C. A requires that televisions be
20 manufactured with either automatic brightness
21 controls or a forced menu that asks users to
22 select an appropriate home brightness setting upon
23 using their television for the first time.

24 B requires that if the television is not
25 receiving a signal on its selected input that it

1 shut off after 15 continual minutes in that state.
2 An example of a time where that might actually
3 save energy is if one were to watch a DVD movie,
4 and the DVD stopped playing and maybe shut down.
5 Then the television would continue to operate.

6 Well, with this standard the television would
7 turn off after 15 minutes of no input.

8 C requires that the television enter a
9 passive standby mode when turned off, and will
10 only enter other modes if consciously selected to
11 do so by a user. And this is a case where people
12 really never know when they've turned off their
13 television, or a lot of appliances these days.

14 And so this is a way to insure when you
15 turn off the television, that it truly turns off
16 and doesn't enter a mode such as stated here, data
17 acquisition mode, which is a higher energy use
18 mode than off. And this standard really just
19 requires that someone consciously make the choice
20 to go into that mode, rather than accidentally.

21 The next set of standards are
22 performance based. The first row shows the
23 current television standard of 3 watts in passive
24 standby. That's right here.

25 The proposed effective date of the first

1 new standard tier one is January 1, 2011. This
2 new standard reduces the standby level to 1 watt
3 and sets a floor of 0.9 for power factor, and sets
4 a maximum active mode based upon screen area.

5 Now, this equation is different than the
6 one that Harinder presented. These are the latest
7 proposed standards, and do not differentiate
8 between high definition and low definition. The
9 but equation is in the same kind of form. And I
10 will discuss what power factor is in a later
11 slide.

12 Just below that standard is an alternate
13 tier one, which is essentially a slightly altered
14 maximum active mode power usage equation. This
15 is the alternate. And the next slide will provide
16 a better view of the differences.

17 The last row describes tier two which
18 essentially tightens the active mode requirements
19 for tier one -- from tier one.

20 So this is a graph that displays tier
21 one alternate, tier one and tier two. And you can
22 see that the real difference between the tier one
23 and the alternate proposed tier one is they made
24 up here at 50 inches. And for televisions 50
25 inches and above the standard would be more

1 stringent for all of the alternative tier one.
2 And less stringent for televisions less than 50
3 inches in size. And then tier two is more
4 stringent across the board.

5 This slide demonstrates the feasibility
6 of a 1 watt standard. The data you see plotted
7 here are the standby use of televisions certified
8 with the California Energy Commission within the
9 last year.

10 As you can see, only 14 percent of
11 televisions sold in California currently use more
12 than 1 watt in passive standby mode. In addition,
13 the average standby of televisions which do not
14 meet the 1 watt standard is 1.58 watts.

15 Adopting a 1 watt roof for television
16 standby mode will also match current EnergyStar
17 requirements and harmonize with standby standards
18 being developed internationally.

19 The data you see presented here is taken
20 from televisions certified under the new
21 EnergyStar television standards. The dotted line
22 right here is the draft standard level. So, all
23 the televisions above that line would meet the
24 proposed standard.

25 What is a power factor? A power factor

1 is the measurement of real power divided by
2 apparent power. This essentially translates to
3 the ratio of power used by a device to the power
4 it requires from the electrical grid.

5 Power factor translates to real costs to
6 consumers in their energy bill, and indirect costs
7 through the power quality issues presented to
8 utilities.

9 The draft standards propose that power
10 factor be a minimum of 0.9 for televisions
11 manufactured in 2011 and beyond.

12 Thank you. This concludes the staff
13 presentation. And at this time Harinder and I
14 would be happy to answer any questions you may
15 have about the standards or information presented
16 here.

17 MS. MERRITT: And before we entertain
18 the questions I do need to make a correction for
19 the call-in number. The new call-in number is 1-
20 800-857-4259. The passcode is appliance. The
21 call leader is Melinda Merritt. And we're just
22 going to take a minute to complete this.

23 (Pause.)

24 PRESIDING MEMBER ROSENFELD: Why don't
25 you read the number once more.

1 MR. RIDER: Okay. The number is 1-800-
2 857-4259. The participating passcode is
3 appliance.

4 (Conference call instructions.)

5 PRESIDING MEMBER ROSENFELD: So while
6 that's going on, I see a hand. Questions,
7 comments?

8 MR. SHARP: May I direct a question to
9 the --

10 PRESIDING MEMBER ROSENFELD: Why don't
11 you go up at the mike so we can all hear you.

12 MR. SHARP: My name is Mark Sharp; I'm
13 with Panasonic. Question of the staff report. I
14 wanted to clarify one of the figures.

15 In the table where you cite the average
16 power use in watts by technology type, do you want
17 to pull --

18 MR. RIDER: I think, do we have that?
19 We had a similar table here. This one, right?

20 MR. SHARP: Yes, that's the one. I'm
21 curious for the average size of a unit, what you
22 went with for plasma, as well as LCD. It's not
23 specified here.

24 MR. RIDER: It was pulled from a display
25 search study that was provided to us by PG&E.

1 MR. SHARP: But my question is are you
2 talking 40 inches, 45, what is the average size
3 that you're talking about?

4 MR. RIDER: Well, we can do the reverse
5 math. If you take 101 watts and divide it -- or,
6 for plasma, it would be 361 watts divided by, that
7 looks like 100 -- 1000 inches, 1000 square inches,
8 which translates to -- I have a graph here that --
9 so 1000 inches, just bigger than 46 inches.

10 MR. SHARP: Okay, thank you. The reason
11 for the question, at 361 watts we think this is a
12 big exaggeration of the typical plasma energy
13 consumption.

14 For example, 2008 Panasonic model 58
15 inch is 355 watts. And the average sales
16 breakdown by size of units, it's at least ten-to-
17 one smaller than 58 inches.

18 So, we think this is probably
19 exaggerated on the -- oh, probably 50 to 60 watts,
20 which, of course, when you figure out the kilowatt
21 hours per year; and the potential energy savings
22 is also inflated as a result.

23 And I think if you go to the EnergyStar
24 database you'll see the plasma tvs at 361 watts
25 they're going to be at least 60 inches. And you

1 just did a quick calculation off the cuff of 46
2 inches. So, again, I think this figure is a
3 little bit high.

4 MR. RIDER: I'm not sure if that data
5 was calculated using EnergyStar. But we'd be more
6 than willing if you would like to submit --

7 MR. SHARP: Okay, it's --

8 MR. RIDER: -- or reference that.

9 MR. SHARP: -- possible it's old data.
10 I'm citing 2008 model data. Again, our particular
11 model, 58 inches is 307 watts. And this says the
12 average is 361 watts. So, again, --

13 MR. SINGH: Yeah, the Panasonic plasma
14 is new compared to this data there. I think you
15 were talking about recent.

16 PRESIDING MEMBER ROSENFELD: I'm sorry,
17 Harinder, --

18 MR. SINGH: And other manufacturers --

19 PRESIDING MEMBER ROSENFELD: Harinder, I
20 can't hear you. Can you move closer to the mike.

21 MR. SINGH: Sure. The Panasonic plasma
22 televisions are fairly new, recently came to the
23 market. And there are other models in the market,
24 other manufacturers which probably has higher
25 power usage. So this is --

1 MR. SHARP: We began our --

2 MR. SINGH: We definitely are willing to
3 look at it, but this is what we, you know, have
4 from all the -- doing the bigger average size, you
5 know, from different manufacturers.

6 MR. SHARP: Yeah, I would ask that you
7 reconsider, recalculate those numbers.

8 MR. RIDER: Also, if you'd like to
9 provide some sort of information as to, like you
10 said, ten-to-one sales from 58 inches to 40
11 inches, I'm not -- or higher than 58 inches versus
12 below. That kind of --

13 MR. SHARP: I'm saying a proportion of
14 our sales, --

15 MR. RIDER: Right.

16 MR. SHARP: -- and I would assume that
17 other manufacturers are similar for plasma.

18 MR. RIDER: Right, if --

19 MR. SHARP: For portion of under 58
20 inches is probably at least ten-to-one versus 58
21 inches and above.

22 MR. RIDER: If you could provide any
23 such data we would love to consider it for the
24 next staff report.

25 MR. SHARP: Okay, thank you.

1 MR. SINGH: Thank you.

2 PRESIDING MEMBER ROSENFELD: Thank you,
3 Mark. Other hands, other questions or comments on
4 the staff report? Yes, please come up.

5 MR. DuBRAVAC: I am Shawn DuBravac; I'm
6 the Chief Economist for the Consumer Electronics
7 Association.

8 PRESIDING MEMBER ROSENFELD: Can you
9 spell your last name.

10 MR. DuBRAVAC: Sure, it's DuBravac,
11 D-u-B-r-a-v-a-c.

12 PRESIDING MEMBER ROSENFELD: Thank you.

13 MR. DuBRAVAC: And just following up on
14 Mark Sharp's comment from Panasonic. There has
15 been, I would say, a shift over the recent months
16 in the size of sets that are being shipped into
17 the markets, and we were having to provide that
18 data as well.

19 I would say last year at this time over
20 50 percent of sets being shipped into the market,
21 flat panel televisions, were over 40 inches. That
22 ratio has come down significantly as households
23 have responded both to the current economic
24 environment, as well as to the movement of those
25 sets that they're now purchasing into other rooms.

1 Other, what I would consider, non -- traditionally
2 nonviewing rooms.

3 So they bought maybe a large screen for
4 their family room or the living room. They're now
5 buying smaller flat panel televisions for their
6 kitchen or their bedrooms.

7 And so that will, I think, be helpful as
8 well.

9 PRESIDING MEMBER ROSENFELD: So you'll
10 provide that in writing?

11 MR. DuBRAVAC: Sure, we're happy to
12 provide that in writing.

13 PRESIDING MEMBER ROSENFELD: Thank you.

14 MR. SINGH: Commissioner, I want to add
15 that -- this is Harinder Singh. The average use
16 1907 hours is weighted average use which is based
17 on three or four televisions in a residence. And
18 the first television is five hours, and then the
19 second and third, you know, have a lower usage
20 number.

21 So this is the data that's been fairly
22 researched and it has all different sizes. So the
23 energy consumption is based on fairly extensive
24 research. So I just wanted to add that. Thank
25 you.

1 PRESIDING MEMBER ROSENFELD: Thank you.
2 Any other questions or comments on the staff
3 report?

4 Gary, I guess you're next on the agenda.
5 Would you introduce yourself.

6 MR. FERNSTROM: Sure. Good morning,
7 Commissioners, Advisors, Staff, interested
8 parties. I'm Gary Fernstrom representing the
9 Pacific Gas and Electric Company.

10 PG&E is pleased to have the opportunity
11 to be here today to continue its advocacy for
12 improved television energy efficiency standards.

13 We're joined in this case study by the
14 Southern California Edison Company, the San Diego
15 Gas and Electric Company and the Southern
16 California Gas Company. Additionally, there are
17 other advocates in the room, including the Natural
18 Resources Defense Council, the Appliance Standards
19 Awareness Project, the Sacramento Municipal
20 Utility District and the Oregon Department of
21 Energy.

22 PG&E recognizes that televisions are a
23 major energy use in the State of California, and
24 one that is growing. Therefore, are a good
25 candidate for energy efficiency regulation.

1 PG&E is also delighted to see that some
2 manufacturers in particular, and the industry in
3 general, have announced plans and are moving to
4 produce televisions that converge with the
5 proposed energy standards. So we have every
6 expectation, based on the recent research that our
7 consultants have done, that televisions will be
8 readily available that meet or exceed the proposed
9 standards that we're bringing to you.

10 I notice that industry has offered, just
11 a moment ago, to provide new information on market
12 share. I'd like to assure you all that our
13 consultants have used the best information on
14 market share and television performance that we've
15 been able to obtain.

16 We've repeatedly requested specific
17 detailed information from industry. And where
18 we've been able to get that, we've utilized that
19 information. So it would seem to me that at this
20 proceeding we have a continued promise to bring
21 more information. But at some point we have to
22 make a decision and rely on the information
23 provided up to a specific point. Otherwise the
24 proceeding would go on indefinitely.

25 I'd like to compliment some specific

1 television makers, and the industry in general,
2 for the improvements that have been made in energy
3 efficiency. And the improvements that have been
4 announced in press releases that outline
5 technology that will allow sets to meet these
6 standards in the future.

7 And with that brief introduction I'd
8 like to introduce our consultant, Alex Chase, from
9 Energy Solutions, who will be providing you the
10 details of what we've spoken about.

11 MR. CHASE: Hello, again. My name is
12 Alex Chase with Energy Solutions. I'm pleased to
13 represent Pacific Gas and Electric. As Gary
14 mentioned and I'd like to mention again, this
15 presentation and the proposed levels are endorsed
16 by the other California IOUs, the Sempra Energy
17 Utility, which consists of San Diego Gas and
18 Electric and Southern California Gas Company, in
19 addition to Southern California Edison.

20 If I'm correct, combined the three IOUs
21 represent, I believe, over 85 percent of the
22 population of California.

23 Today what I'd like to cover is first
24 show a quick slide on the emerging consumer trends
25 and demand for energy efficient televisions. I'll

1 spend a few slides providing some background on
2 the proposal from PG&E and endorsed by the other
3 IOUs.

4 Then I'd like to get into some of the
5 new EnergyStar data that has been released since
6 we last met in July, which has informed our
7 decisions going forward.

8 I will then spend a few slides
9 specifically showing examples of tvs across
10 various size categories and available from various
11 brands that meet the tier two level today.

12 Then I'll shift into a continued
13 discussion on LCD efficiency developments, and
14 plasma efficiency developments, and kind of where
15 we see the roadmap for efficiency going.

16 And then I'll step back and provide a
17 kind of a higher level motivation in terms of some
18 of the energy efficiency and greenhouse gas
19 reduction goals that California is faced with over
20 the next several years and decades.

21 And then I'll follow up with conclusions
22 and recommendations.

23 So I thought I'd start the presentation
24 by highlighting a recent press release that was
25 released December 10th, I believe, last Wednesday

1 or Thursday, from the Consumer Electronics
2 Association, titled, consumer desire for green
3 electronics on the rise.

4 And specifically they surveyed, I
5 believe, 1000 United States adults, in asking them
6 this particular question was kind of their wish
7 list for the next tv purchase. And they listed
8 energy efficiency, better picture quality, thinner
9 shape, larger screen size. Various components
10 that may go into a purchasing decision.

11 And according to the report that was
12 just released, titled, going green and examination
13 of the green trend and what it means to consumers
14 in the CE industry, the highest response, 89
15 percent, of households wanted their next
16 television to be more energy efficient. And I
17 thought that was notable, since that's ultimately,
18 I think, where PG&E is trying to encourage that
19 market going, and we're seeing that consumers are
20 demanding that, as well.

21 So, the thrust of this presentation will
22 be mostly focused on the Title 20 standard side,
23 but immediately following me will be Tim Michel,
24 the program manager from PG&E. And he will
25 describe the voluntary incentive program that PG&E

1 and other utilities are involved in, in terms of
2 providing incentives now, starting this November,
3 for the most efficient televisions on the market.

4 A quick discussion on the background for
5 folks that aren't as familiar with the progress.
6 The process, over the last basically 11 months.
7 Eleven months ago, January 15th, PG&E first
8 indicated that it was working on a case report.

9 We submitted that and it was docketed on
10 the CEC website April 1, 2008. On July 3rd we
11 submitted a revised proposal, which, again, was
12 endorsed by the California IOUs. And that's where
13 we recommended a two-tier standard with effective
14 dates July 1st -- or sorry, January 1, 2011, and
15 January 1, 2013. The CEC Staff draft report that
16 was released this month includes those two
17 standard levels.

18 For additional background on that
19 proposal I would encourage people within this
20 workshop and listening in to download PG&E's
21 presentation given at the July 16, 2008 workshop.
22 I include the link at the bottom of this slide.

23 A lot of that set the stage in terms of
24 market trends and what type of market information
25 we used to set our proposal levels. We don't have

1 time to rehash all of that, so I encourage people
2 to look at this link for additional background.

3 But on a very high level we considered
4 the market transition to high-definition flat-
5 panel tvs. We considered increasing average
6 screen size and usage. And we also really focused
7 on where we thought industry was going in terms of
8 advancements in energy efficient technologies.

9 Based off the time of those proposals we
10 relied on over 760 active mode power test results
11 to inform those tier one and tier two decisions.
12 And we also gave significant consideration to the
13 ambitious greenhouse gas reduction goals and
14 energy efficiency goals within California.

15 Now, since that workshop we have a lot
16 of new data, thanks a lot in part to the
17 EnergyStar specifications being released in
18 November, and published power data within their --
19 available on their website. There's over 400 new
20 test results that we've relied on. Again, this
21 further confirms the proposed standard levels
22 within the CEC Staff report are cost effective and
23 feasible.

24 And this is really what I want to focus
25 on today's presentation. I want to highlight the

1 positive developments within the industry and
2 showcase a lot of the innovative technologies that
3 are available now, and that are meeting this
4 rising consumer demand for energy efficient
5 televisions.

6 As I mentioned, EnergyStar became
7 effective November 1st of this year. This was a
8 notable specification where it included active
9 mode power. As of last Monday, December 8th,
10 there was 396 televisions listed on the EnergyStar
11 website; 87 percent of those, 344, meet the
12 proposed tier one levels. And 26 percent, over
13 100 models, meet the tier one levels.

14 Now this is --

15 PRESIDING MEMBER ROSENFELD: Meet the
16 tier two levels.

17 MR. CHASE: I'm sorry, thank you for the
18 correction. Meet the tier two levels. EnergyStar
19 is posting its tv lists on a weekly basis,
20 sometimes twice a week. It expands significantly
21 every time I download it. So I imagine these
22 numbers will continue to grow over the next couple
23 weeks, to months.

24 Tier two tvs are available from many
25 brands. I list them here. You'll recognize some

1 of the more, perhaps more common brand names that
2 most consumers would be familiar with. But also
3 it's notable that there's some names on here that
4 your average consumer may not recognize, as well.
5 So it contains a wide variety of different brands
6 that meet the tier two levels.

7 This is a figure that shows screen area
8 on the X axis, and it plots just the EnergyStar
9 data that has been released since November. So
10 this is the 396 datapoints that I just mentioned.
11 Maximum on-mode power is plotted on the Y axis.
12 And the three levels here are the EnergyStar
13 level, which is the green line. Anything that
14 falls below that level meets that specification.
15 Since these are all EnergyStar tvs, they all fall
16 below that line.

17 You can see it increases on a linear,
18 until about 40 inches, where it does a step
19 increase. And then increases with screen area and
20 then does another step increase at just about 49
21 inches.

22 The post tier one level is shown in the
23 dotted orange, and the proposed tier two is shown
24 in the dark blue.

25 Some of the common threads. The first

1 thing that you notice here is just the large
2 majority of datapoints that fall below the tier
3 one line. And it's important to note that a lot
4 of the datapoints overlap and appear as one point.
5 Just if you see one particular point that doesn't
6 necessarily represent just one television.

7 Also notable is there's a large
8 percentage of smaller tvs that meet the tier two
9 level, shown in the bottom clump around 200 to 300
10 square inches in screen area. But as you move up
11 in the more popular sizes, in the 32-inch, the 42-
12 inch, the 46-inch, the 50-inch and beyond, there's
13 tvs on the market today that meet tier two
14 levels. And that's what I want to focus on
15 these next slides.

16 So first I'll show, highlight a couple
17 manufacturers that have really gone beyond the
18 EnergyStar levels. This is a press release that
19 came out just last week, as well, December 11th,
20 from JVC. And they've done a tremendous job of
21 providing energy efficient LCD tvs.

22 In fact, in most every size category
23 they usually have the top LCD tv in terms of
24 lowest power compared to other brands listed.
25 Overall their LCD tvs outperform the EnergyStar

1 level anywhere from 29 to 60 percent.

2 These are their models plotted, based
3 off the EnergyStar data. Again, several of the
4 points overlap. But they have 13 televisions that
5 exceed tier two levels, ranging from one 32 inch,
6 four 42 inches, one 46 inch. They have four 47
7 inch models, and they have three 52 inch models.

8 And I include the web link to their
9 product specifications where they talk about the
10 pathway of getting here. They have a 40 percent
11 smaller LCD panel. They've optimized the light
12 diffusing plate. They optimized the light
13 reflecting plates. They're using a smaller, more
14 efficient power supply, which enables them to use
15 a fanless heat dissipation system.

16 I also believe that they're using an
17 option for automatic brightness control, which
18 lowers the power for when the ambient light gets
19 darker. So, again, we're seeing a trend of tvs
20 available at various screen sizes that meet tier
21 two levels.

22 Here's another example, Vizio. They're
23 one of the fastest growing LCD tv manufacturers.
24 I believe they're one of the top three
25 manufacturers in the U.S. They've announced that

1 all of their LCDs exceed or meet EnergyStar
2 levels. And not just EnergyStar levels, but they
3 actually have six models that meet tier two levels
4 today. They have one 19 inch model; they have
5 three 22 inch models; they have a 42 inch model
6 and a 46 inch model.

7 I haven't plotted their other
8 televisions, but they have a few other that are
9 just above the tier two line. And I think with
10 some modifications within the timeframe, should be
11 able to meet the tier two levels, as well.

12 The next few slides I'm going to start
13 from a 52 inch and work my way down to a 19 inch
14 tv. And they're all specific models that you can
15 go out and purchase right now. They all meet tier
16 two. And just to be transparent, I've listed my
17 methodology; I won't go into it in super detail
18 here, but on a very high level all the on-mode
19 wattage values that I'm using were taken from last
20 week's EnergyStar list.

21 The lifetime energy savings assumes a
22 ten-year life of 14-cent-per-kilowatt-hour rate.
23 A 3 percent discount rate for CEC methodology.
24 The retail costs, again we've tried to get the
25 most accurate data out there that's available to

1 us.

2 We've used NPD Group, a leading market
3 research firm, for sales from August to October of
4 this year. If that did not list the average
5 selling price for that particular model, we've
6 used an average of the average retail price for
7 models available from Best Buy, Walmart and/or
8 Fry's. Some of the leading consumer electronics
9 retailers within California. And the sample size
10 for how we're pulling our averages included here.

11 Here's a 52 inch 1080P, full high
12 definition, LCD made by Sony. It has 120 refresh
13 rate, which doubles the conventional 60 refresh
14 rate, which is what a lot of the televisions the
15 consumers are purchasing these days.

16 I'm going to take you through this
17 particular slide so I can, due to time limitations
18 I won't go into detail in the next few slides.
19 But the bottom left there, I've plotted this
20 particular model based off the EnergyStar data.
21 You can see the 52 inch, it's the blue dot there.
22 And it falls just below the tier two line.

23 The table shows the non-tier two average
24 compared to, in this particular case, what I'm
25 calling the tier two tv example. And for this

1 slide, this is the Sony 52 inch.

2 The non-tier two average for 52 inch
3 LCDs was \$2381. The average, whether from Best
4 Buy, Walmart or Fry's, for this particular Sony
5 was less than that. So it was \$156 less than the
6 average for the non-tier two tvs, at \$2225.

7 The on-mode wattage, the non-tier two
8 average was roughly 261. This particular 52 inch
9 uses 158 watts. Over the lifetime we'll see a
10 change. The non-tier two average is a little bit
11 under 5000 kilowatt hours. For this particular
12 tier two, 52 inch tv, it's just above 3000
13 kilowatt hours.

14 A typical user, so assuming that you go
15 out and you purchase this television; you set it
16 up in your family room or living room. Over the
17 typical lifetime of a ten year, assuming, a person
18 would spend about \$361 to operate this particular
19 television. That's compared to just below \$600
20 for a non-tier two tv.

21 So when you look at the savings of
22 retail costs, the consumer is saving \$156. And,
23 again, this is just for this particular tv based
24 off the averages that I described in the previous
25 slide, saving over 100 watts. The lifetime energy

1 savings is 1952 kilowatt hours, so you have a 39
2 percent savings. And the average Californian
3 buying this is saving \$233 to operate this
4 television, without sacrificing the features that
5 a lot of people are buying. So it's a full high
6 definition tv, with again with 120 refresh.

7 Here's a Vizio 42 inch. Again, it's a
8 1080P, full high definition with 120 refresh. For
9 this particular, compared to the average 42 inch
10 television, energy savings are 36 percent. And a
11 consumer would save \$150 to operate this. Again,
12 for this particular model the retail cost was \$34
13 below the non-tier two average.

14 Here's a 32 inch from Sylvania. I tried
15 to highlight various companies. We have other
16 examples that I include, but I just, for brevity,
17 wanted to show different companies at different
18 size categories.

19 This particular 32 inch tv is \$190 below
20 the non-tier two average. A 36 percent savings in
21 terms of lifetime energy. And a little bit under
22 \$100 in terms of savings to the consumer to
23 operate the television.

24 Here's a 22 inch television. The
25 consumer is saving 31 percent lifetime energy and

1 about \$50 to operate the television. And here's a
2 19 inch.

3 So, in general, I think we are seeing
4 average screen sizes increasing. But as the chief
5 economist of the CEA mentioned, average screen
6 size is increasing, but as the screens are getting
7 flatter, people are finding more places that they
8 can put these. In their kitchens and the guest
9 bedroom, the bathroom, various places that a
10 previous CRT would not fit. So this is a -- the
11 19 and the 22 inch is also an important category
12 here. Since they're smaller, they use less
13 energy. So the savings percentage is about equal,
14 33 percent on this particular model. The energy
15 cost savings is still \$46 for this particular
16 example.

17 So those are televisions that meet tier
18 two. The averages cost less to the consumer to
19 purchase the television. And to operate it, it
20 costs less again. So, again, I wanted to
21 highlight tvs showing that it's feasible to meet
22 the level, and it's cost effective.

23 In addition to tvs that are available
24 now, I also wanted to highlight some of the LCD
25 efficiency trends. And I showed some of these

1 slides at our last July workshop. And since then
2 there's been more similar slides.

3 So, what I showed is typically a lot of
4 manufacturers have been proudly displaying the
5 improvements in their technologies, and they're
6 calling them their green tvs, their eco-panels.

7 Key aspects are, you know, they're
8 making -- they have more efficient backlights
9 which results in they can use less of them. They
10 have an improved light diffusion. They're
11 utilizing brightness enhancement films. They have
12 smaller and more efficient power supplies.
13 They're using an automatic brightness control.

14 So most of the photos I'm going to show
15 you are from industry conferences from around the
16 world where typically what they show is a
17 conventional television, so call it their 2007 or
18 2008 model, compared to their advanced eco or
19 green tv.

20 And right next to the display they show
21 the on-mode wattage. And what they're trying to
22 convey is they're showing the same screen content
23 for a typical viewer, as I look at it and took
24 some of these photos. You can't tell the
25 difference between the two displays.

1 The key difference that you can see is
2 the on-mode wattage. So for this particular
3 example, this was a picture I took at the display
4 week conference in Los Angeles, back in May, this
5 is AUO, which is one of the leading LCD panel
6 makers. They have a 46 inch eco-friendly
7 technology.

8 The conventional tv is shown on the
9 bottom at 252 watts. And the eco-friendly
10 technology is 122 watts. So same picture content,
11 50 percent power reduction.

12 I'll go through these slides fairly
13 quickly, but I think you'll start to get the
14 point. Samsung had a 52 inch green tv. At this
15 particular moment when we snapped the photo, it
16 was a 42 percent reduction shown between the two
17 tvs. And, again, that percentage is going to vary
18 depending on the screen content. But you start to
19 get a relative idea of where the industry's going.

20 With a dimmer screen content some of the
21 reductions are even more noticeable with this
22 Samsung 46 inch with three-way dimming. So it
23 dims the backlights depending on what the content
24 is available -- or what content is being showed.
25 This particular setup shows a 74 percent reduction

1 between the conventional and the advanced
2 television.

3 These are two more, as mentioned in the
4 staff presentation, 3M has a technology that they
5 were showcasing. This is a 40 inch going from 195
6 to 92 watts; 53 percent reduction. Here's a 60
7 watt television for 32 inch, showing a 23 percent
8 lower wattage than the maximum tier two level for
9 a 32 inch television.

10 Since the July -- yeah?

11 PRESIDING MEMBER ROSENFELD: How do you
12 go about, if you're 3M or whatever, how do you go
13 about marketing the more, the energy. Would you
14 reduce the first cost, or --

15 MR. CHASE: I think generally there's,
16 from what I've seen in terms of their marketing,
17 what you asked, is a cost-neutral approach, where
18 you're adding some components such as the
19 brightness enhancing.

20 But what you can do is reduce the number
21 of backlights. You can utilize --

22 PRESIDING MEMBER ROSENFELD: No, I meant
23 a much more naive question, not what the
24 technology is. But if you're a manufacturer,
25 you're Samsung or something, and you have two

1 identically appearing tvs. And one uses a lot
2 less power than the other. What do you do to sell
3 it? Do you reduce the first cost?

4 MR. CHASE: I would pose that to
5 industry. I think there's going to be varying
6 ways to --

7 PRESIDING MEMBER ROSENFELD: We'll get
8 some comments.

9 MR. CHASE: -- market that. Right now
10 there's still consumer education is a big point.
11 And after this presentation, Tim Michel will
12 describe some of the voluntary effort to provide
13 incentives and to focus on consumer education.

14 So I know manufacturers are going to be
15 promoting the green attributes of their
16 televisions. And the utilities are going to help
17 them do that, as well.

18 PRESIDING MEMBER ROSENFELD: Thanks.

19 MR. CHASE: This is a picture taken from
20 the ISA Consumer Electronics Show in Berlin in
21 2008. This is a Vestio eco-design, 32 inch. I
22 had to look up Vestio, I believe it's a
23 manufacturing firm in Turkey. They're showing a
24 32 inch LCD, 50 percent power reduction from 109
25 to 55 watts.

1 Again, this is C-Tech display conference
2 in Japan, late September, early October. The
3 Hitachi had a dynamic power control showing over
4 50 percent power reduction. Sony was showing a 32
5 inch; this particular screen, it's a dimmer
6 content when this picture was taken. But there's
7 a 63 percent reduction between the two tvs.

8 So those are some of the LCD efficiency
9 trends that I just highlighted. And I will also
10 want to -- which is important, as the LCD market
11 share is, I believe, roughly hovering anywhere
12 between 60 and 80 percent, depending on the
13 market. So in terms of real energy savings,
14 that's where most of them are going to come from,
15 from a proposed Title 20 standard and a voluntary
16 effort.

17 But plasma, historically has been
18 roughly, I believe, anywhere around 10 percent,
19 give or take a few percentage points market share.
20 And I wanted to highlight some of the efficiency
21 trends from this technology, as well.

22 So, a very high level, the current
23 plasma tvs can exceed tier two levels today. The
24 two top selling plasma tvs, based off the market
25 research that I've seen, from the August to

1 October timeframe, both exceeded tier one levels.
2 That was a 42 inch and a 50 inch television.

3 And I agree with Mark Sharp who
4 mentioned that the average on-mode power in plasma
5 is decreasing. And the values that were shown in
6 the staff report were probably an average of
7 previous models. So that's an encouraging
8 development, and I think we're seeing trends that
9 actually leads towards a more cost effective and
10 feasible solution for plasmas meeting tier two
11 levels.

12 Most plasmas today have a luminous
13 efficiency of anywhere around 2 to 2.5 lumens per
14 watt. In 2005 the Advanced PDP Development Center
15 Corporation, or APDC, developed a technology
16 making it possible to achieve luminous efficiency
17 in excess of 5 lumens per watt.

18 This APDC was established in July 2003
19 basically to co-development technology for
20 advanced plasma displays in cooperation with five
21 plasma companies.

22 The top funders included Hitachi,
23 Panasonic and Pioneer. A couple years later, so
24 at the beginning of 2008 Panasonic showcased a tv
25 that actually met these levels, roughly 5 lumens

1 per watt. Based off my understanding they should
2 be expected to be in production second quarter of
3 2009.

4 We think based off of the claims that a
5 5 lumen or watt -- sorry, 5 or greater than lumens
6 per watt plasma tv should meet tier two levels.
7 And now the next goal for the APDC is 10 lumens
8 per watt.

9 And this is in addition just to reduce
10 power, it also increases performance. And the
11 cost can lower when you start to reach these
12 levels. And that should easily exceed tier two
13 levels.

14 Here's -- just so you don't have to
15 believe me -- here's the APDC, the executive
16 president and the general manager for their
17 central research laboratory quoting, talking about
18 how they've developed this 5 lumen per watt
19 technology, and how they've been in cooperation
20 with five plasma companies.

21 You can read the quotes, but what I
22 thought was notable was the general manager of the
23 research laboratory, you know, envisioned the day
24 when plasma tvs becomes the synonym for low-power
25 tv.

1 Here's Panasonic's website talking about
2 their double efficiency technology. And which was
3 showcased January 2008 in Las Vegas at the
4 consumer electronics show. And expected to be on
5 the market in mid 2009.

6 They showed the same technology at the
7 IFA show in Berlin. Again, similar to the LCD
8 photos that I was showing you, the tv on the left
9 is developed using the high luminous efficiency
10 technology, and the tv on the right is their 2007
11 model. So, again, same brightness using half the
12 power.

13 And as I mentioned, the next goal for
14 this joint venture by the leading plasma companies
15 is 10 lumens per watt. This is taken from their
16 website. In addition to energy saving, there's
17 other benefits. It allows their plasma displays
18 to get bigger, thinner, and also smaller with
19 higher resolution. And it can also lower cost.

20 Industry expert Ross Young, who's the
21 founder and chief research officer of Display
22 Search, which is a leading market research firm
23 for televisions, in March 2008 at the San Diego
24 Display Search conference, he estimated when you
25 get to 5 lumens per watt, costs fall by 9 to 11

1 percent, depending on the size and resolution. At
2 10 lumens per watt manufacturing costs can be cut
3 by anywhere from 37 to 38 percent.

4 So, stepping back, some high level
5 motivation as I'm sure the Commissioners are
6 aware, and the advisors, last Thursday the Air
7 Resources Board approved California's plan to
8 reduce the state's greenhouse gas emissions to
9 1990 levels by 2020. It's called the climate
10 change scoping plan.

11 And in September 18th of this year the
12 California Public Utilities Commission adopted
13 California's first long-term energy efficiency
14 strategic plan.

15 I'm going to highlight some aspects of
16 both of those plans and how it relates to this
17 workshop today, and the proposed television
18 efficiency standards.

19 For the climate change scoping plan,
20 which was adopted, the first bullet point in terms
21 of how the state's going to meet those goals is
22 the expansion and strengthening of appliance
23 standards.

24 They specifically say that future
25 appliance standards should address the energy

1 consumption of electronic devices that offer
2 significant potential for efficiency improvements
3 such as flat screen tvs.

4 And our Governor has been a vigorous
5 advocate for the plan, vowed that it would unleash
6 the full force of California's innovation and
7 technology for a healthier planet. And in talking
8 about today's depressed economy, he mentioned that
9 green tech is one of the few bright spots out
10 there.

11 The energy efficiency strategic plan
12 sets, again energy efficiency as the highest
13 priority for California to meet its resource
14 needs. One of the big bold initiatives for that
15 is all new residential construction in California
16 will be net zero energy by 2020. And that
17 includes the plug loads within those.

18 So, televisions being one of the largest
19 end uses in terms of drawing electricity, it's
20 important to reach that goal. It also encourages
21 utilities to get beyond a short-term focus, but to
22 really focus on a market transformation.

23 And that's how PG&E has approached this
24 concern of rising end use electricity consumption
25 from televisions. In addition to the codes and

1 standards activities that we're discussing today,
2 PG&E is actively involved in being a leader in the
3 United States in terms of developing an incentive
4 program to provide retailers and OEMs with
5 incentives for selling high efficient televisions.
6 And education a big part of that, as well.

7 So without a Title 20 standard, even
8 considering some of the new efficiency
9 improvements that we've seen posted on the
10 EnergyStar website, which are great advancements,
11 but given the larger screen sizes, the fact that
12 there's going to be more households within
13 California; people are watching television for
14 longer, and the screen sizes are increasing.

15 Even with those efficiency advancements
16 we could see a net increase in energy consumption
17 for televisions, which we forecasted on the left
18 graph here.

19 If you do implement a tier two level,
20 energy consumption and greenhouse gas reductions,
21 we think, will roughly level. So you have
22 increased usage, you have increased screen sizes,
23 you have an increased number of households. But
24 the average watts per square inch of a television
25 decreases down to the tier two level, you can

1 actually level energy consumption from televisions
2 without sacrificing functionality of those
3 television sets.

4 So this is crucial for California to
5 meet its greenhouse gas and energy efficiency
6 goals. With the absence of this type of level, if
7 a scenario unfolds like the graph on the left, it
8 could erode some of the achievements that the
9 Energy Commission has made lately in terms of
10 adopting efficiency standards for general service
11 incandescent lights, pool pumps, and metal halide
12 fixtures, which were just adopted two weeks ago.

13 So, in conclusion, I showed the consumer
14 demand for efficient televisions is high. By one
15 survey by the CEA, 89 percent. Consumers want
16 their next television to be efficient.

17 The new EnergyStar data, over 400
18 datapoints confirms that most tvs being sold today
19 can meet or exceed the tier one level. Cost
20 effective tier two tvs are available today, and I
21 highlighted those for various screen sizes. And
22 without sacrificing functionality.

23 Industry is highlighting innovative
24 efficient technologies that further supports the
25 tier two levels. And I did mention the tier two

1 level will be necessary to meet these ambitious
2 California goals.

3 So, our recommendations are to adopt the
4 standard levels as proposed in the CEC Staff
5 report. And we really encourage the Commission to
6 finalize and publish standards so the industry can
7 prepare for those well in advance of the effective
8 dates. And we would recommend that we finalize
9 this rulemaking in early 2009.

10 Thank you.

11 PRESIDING MEMBER ROSENFELD: Thank you
12 for a very encouraging and thorough report.

13 First, comments from the dais.

14 ASSOCIATE MEMBER PFANNENSTIEL: No.

15 PRESIDING MEMBER ROSENFELD: Comments
16 from the room? No.

17 Then I guess we'll thank Alex Chase and
18 go on to Tim Michel, who is going to talk about
19 the incentive programs. Michel, sorry.

20 MR. MICHEL: Good afternoon,
21 Commissioners, Staff and interested parties in the
22 room today. I appreciate the opportunity to be
23 here. My name is Tim Michel; I'm a Senior Program
24 Manager at Pacific Gas and Electric Company
25 responsible for the implementation of our

1 voluntary incentive programs.

2 I also want to recognize the Sacramento
3 Municipal Utility District who we have this
4 program in partnership with.

5 When I was last here in July we talked
6 about the theory of a program that we would be
7 launching in the fall of 2008. And I'm here today
8 to talk to you about the execution of that
9 program.

10 Effective today, really going back to
11 November 1st, retailers were -- incentives were
12 available for televisions that exceeded an
13 EnergyStar specification by 15 percent. Or it is
14 equal to the CEE or Consortium for Energy
15 Efficiency tier two specification that was adopted
16 in August of 2008.

17 At the time of these proceedings in July
18 we were working with the Consortium for Energy
19 Efficiency to try to move them into the adoption
20 of that standard. And we were very pleased to see
21 them adopt that standard.

22 As we moved through the course of fall
23 we started working more aggressively with the
24 retailers, both small and large, to get them
25 involved with the program.

1 And one of the issues at the time was
2 the unknown assortment of EnergyStar televisions
3 that would be newly certified with the EnergyStar
4 3.0 specification that took place November 1st.

5 And I think, as you could see in Alex
6 Chase's presentation, there is a large assortment
7 of those televisions in the market today.

8 As we moved through the course of the
9 fall, even before our program started, through the
10 efforts that we were making with retailers, we
11 were able to get some of the retailers to make
12 some very important market transformation impacts
13 for this program.

14 Some retailers changed suppliers to have
15 televisions available for these incentive
16 programs. And we believe had a strong something
17 to do with the larger assortment than we
18 originally anticipated that would meet the
19 EnergyStar 3.0 specification.

20 As you've just seen, energy efficiency
21 is going to be a very important component of
22 investor-owned utility programs. We certainly
23 hope municipal utility programs, as we look
24 towards the future. We don't envision this as
25 being kind of a flash in-and-out kind of

1 situation, but we view this as a long-term
2 solution as we move through the next decade.

3 And while we envision having a number of
4 products within our consumer electronics program,
5 certainly televisions is one of those key
6 components. And we look forward to seeing how
7 energy efficiency evolves in this particular
8 segment of the market.

9 I've indicated our incentives are at \$20
10 per tv. We're working with a wide variety of
11 retailers. And we look to expand our retail
12 interaction to working directly with manufacturers
13 in the distribution channels as we consider moving
14 into a commercial television space in 2009.

15 We're still trying to understand how the
16 commercial tv market works. Once we understand
17 how it effectively works, we'll develop a strategy
18 to get involved in that particular space.

19 As I've indicated initially, our program
20 is launched with our partners at SMUD, and we hope
21 to see, as we move into the course of early 2009
22 our partners, the southern IOUs. Southern
23 California Edison and San Diego Gas and Electric.
24 also implementing programs in this particular
25 space.

1 We view education as to be an extremely
2 important element of this program for a few
3 reasons. And one of them is that when we
4 initially started looking at this program in
5 spring of 2008, we went to some manufacturers and
6 we said, you know, how come we don't see bigger
7 mixes of products available at retail for energy
8 efficiency.

9 And the answer that we got more times
10 than not was that the retailers aren't asking for
11 it. When we went to the retailers and asked them,
12 you know, how come you're not asking for more
13 greater, bigger assortments of energy efficiency,
14 the answer that we got more times than not was
15 that, well, the customers really aren't asking for
16 it.

17 So we then went to the customers and did
18 research to say, well, why is it that you're not
19 asking for it. And this is a very important
20 point. It wasn't that customers didn't care about
21 energy efficiency or that it wasn't important in
22 their decisionmaking. What we learned was that
23 most customers felt any new electronics products
24 that energy efficiency was an inherent component
25 of those new electronics products. Which we know

1 is not the case.

2 So, raising customer education awareness
3 in this particular segment becomes extremely
4 important. I think whether it's from a codes and
5 standards aspect, or from what I'm involved with,
6 on voluntary programs.

7 So, in conjunction with our voluntary
8 program effort, we're implementing point of
9 purchase material so that we can call out the most
10 efficient televisions at retail in this particular
11 space. And we've developed shelf hangers and
12 corner cling sticks using the save-more concept,
13 which is a hybrid of the EnergyStar branded logo.

14 So we're working with folks like at
15 EnergyStar and the Consortium for Energy
16 Efficiency to try to call out and point to the
17 customers that these are, in fact, energy
18 efficient products.

19 Although our incentives are not going to
20 the customer, they're going to the retailer, we
21 still think this is an effective strategy to drive
22 more sales in these particular cases.

23 ASSOCIATE MEMBER PFANNENSTIEL: Excuse
24 me, Tim, I'm sorry to interrupt you.

25 MR. MICHEL: Sure.

1 ASSOCIATE MEMBER PFANNENSTIEL: But that
2 just, I didn't understand that. Where does the
3 \$20 come from? How did you decide on \$20? And it
4 goes to the retailer, not to the customer?

5 MR. MICHEL: It goes to the retailer.

6 So, --

7 ASSOCIATE MEMBER PFANNENSTIEL: Could
8 you talk a little bit about that?

9 MR. MICHEL: Absolutely. I apologize I
10 didn't get into it more quickly. We came up,
11 based on the energy savings on a per-unit basis.
12 The most we could justify based on present data is
13 a \$20 incentive.

14 The reason that we didn't direct this
15 \$20 incentive downstream or a customer rebate is
16 that when you look at the effectiveness of rebate
17 redemptions, which is the investor-owned
18 utilities' mechanism to claim savings in a
19 downstream product, the redemption levels would be
20 extremely low.

21 We would project, based on past history,
22 that at \$20 we would lose about 90 percent of our
23 total customers through a process known as rebate
24 breakage.

25 It might be that our \$20 was effective

1 in getting the customer to do what we wanted them
2 to do, but at \$20 they wouldn't submit -- 90
3 percent of the customers would not redeem their
4 rebate.

5 ASSOCIATE MEMBER PFANNENSTIEL: And
6 that's a bad thing?

7 MR. MICHEL: It's a bad thing if you're
8 an investor-owned utility that has to claim energy
9 savings. We wouldn't know --

10 ASSOCIATE MEMBER PFANNENSTIEL: But if
11 they'd already bought the product and they're
12 getting the energy savings from the product why
13 can't you claim those energy savings in the
14 product? And then you save your \$20 --

15 MR. MICHEL: Because we have no --

16 ASSOCIATE MEMBER PFANNENSTIEL: -- for
17 somebody who wants it.

18 MR. MICHEL: Essentially what the rules,
19 as I understand, as a regulated utility, we have
20 to prove to our PUC who the customers are, or we
21 have to have some mechanism of proof that those
22 sales, in fact, occurred.

23 Our only mechanism of proof in a
24 downstream capacity is an actual rebate that comes
25 in. That's the mechanism that allows us to claim

1 savings and justify the payment to that particular
2 customer.

3 In the event that we don't get that
4 rebate application to come in, we have no way to
5 prove that that customer, in fact, made a purchase
6 or claimed any savings connected up with it.

7 ASSOCIATE MEMBER PFANNENSTIEL: You
8 don't have anything through the retailer to say
9 these customers bought X numbers of these energy
10 efficient televisions.

11 MR. MICHEL: So that's -- to
12 specifically answer that question, because we
13 can't get that customer data in a downstream
14 capacity, because the rebate value is too small to
15 justify, in a lot of customers, 90 percent of the
16 customers, to redeem that, we move the program
17 into the midstream channel so that we could go to
18 the retailer; pay that retailer that same amount
19 of money, and then get data back on all sales that
20 are coming through their particular channels.

21 That's a way to elevate the redemption
22 levels and drive change we value.

23 ASSOCIATE MEMBER PFANNENSTIEL: And
24 then, again, going back to the examples that Alex
25 gave in his very comprehensive presentation

1 previously every example he showed the cost, the
2 purchase price for the efficient tier two level
3 television was cheaper than the average of non-
4 tier two televisions.

5 And so why do we need the \$20 bribe for
6 customers to do this?

7 PRESIDING MEMBER ROSENFELD: Yeah, I
8 guess that was my question, too. But it's
9 appropriate now.

10 MR. MICHEL: Well, sure. I think, you
11 know, PG&E doesn't -- you know, we're not working
12 in a funnel, we're keenly aware of what's going on
13 with our codes and standards team. We work and
14 try to harmonize our efforts to try to drive a
15 market in a particular space.

16 I think in the event that the California
17 Energy Commission deems it important to
18 incorporate a television standard, whether it's a
19 one-tiered or two-tiered system, at such time we
20 would look at on the voluntary program side would
21 we jump that standard and try to drive the market
22 even further. Or would we deploy an exit strategy
23 out of that.

24 But in the absence of that --

25 ASSOCIATE MEMBER PFANNENSTIEL: I'm just

1 a little confused. If there are two television
2 sets, and one is more energy efficient than the
3 other, --

4 PRESIDING MEMBER ROSENFELD: And
5 cheaper.

6 ASSOCIATE MEMBER PFANNENSTIEL: -- but
7 the customer may not understand that one is more
8 energy efficient than the other, but one is cheap.
9 The more energy efficient one is cheaper than the
10 other.

11 I'm trying to understand why an
12 additional \$20 is going to make -- I mean does it
13 have to be not only more energy efficient and
14 cheaper, but more than \$20 more cheaper? I don't
15 understand why you're giving the \$20.

16 MR. FERNSTROM: Commissioner, if I could
17 perhaps try to respond to that. It's complicated.
18 It has to do with what the retailers choose to
19 stock. And the products that they order well in
20 advance to have on the floor.

21 So, the PG&E program serves to get the
22 retailers to demand more efficient appliances and
23 stock and show them on the floor so that
24 consumers, when they come, have the opportunity to
25 find them.

1 Indeed, we've made the argument that
2 higher efficiency televisions are available and in
3 many cases less expensive. But that doesn't
4 necessarily mean they would show up in retailers'
5 stores or be available to consumers.

6 Now, Commissioner Rosenfeld, a little
7 earlier asked a question about what the plan might
8 be to market these more efficient televisions. At
9 present you don't see any reference whatsoever to
10 energy efficiency in showroom floors.

11 ASSOCIATE MEMBER PFANNENSTIEL: I
12 absolutely agree with that. And I think that that
13 is a fundamental problem. I think that that is
14 perhaps the fundamental problem.

15 And if the manufacturers and retailers
16 would promote the energy efficiency of their
17 products, not just televisions, but other
18 products, then that would make an entire
19 difference.

20 However, given that that isn't happening
21 necessarily, then it seems like there may be \$20
22 per item worth of promotion that PG&E and the
23 others who are spending ratepayer money to do
24 this, could be doing to bring that same
25 information in front of consumers so that they can

1 see, gee, I could pick this television, or I could
2 pick this one with the same features, the same
3 size, everything else, and it not only will save
4 me money on my electric bill for the next ten
5 years, but in fact it's cheaper first cost. Why
6 wouldn't I buy that.

7 So, I'm just a little confused about why
8 this \$20 per item is even in play, whether it goes
9 to the customer or to the retailer.

10 MR. FERNSTROM: So we would submit that
11 the \$20 accomplishes the end that you point out.
12 It isn't specifically labeled promotion, but in
13 effect that's the effect that it has. And it
14 serves to accelerate the availability of this
15 product before the standard takes effect.

16 MR. MICHEL: I think that's a key point
17 that Gary just made. I think, Commissioner, we
18 can move -- if we want to move more slowly and see
19 change, you know, on a slower pace, we could just
20 back off and go with awareness programs.

21 But what we're trying to do is
22 accelerate the introduction of those products.

23 ASSOCIATE MEMBER PFANNENSTIEL: I'm
24 sorry, I want to move more rapidly. And so to
25 just, when you say to wait for awareness programs,

1 as if that is foot-dragging. My sense is if you
2 put the money towards promotional programs and
3 advertising would move ahead of having to do the
4 paperwork of getting the retailers another \$20 and
5 hoping that they will then stock what you want to
6 stock.

7 So, I'm just looking at some way of
8 moving this much more expeditiously.

9 MR. MICHEL: And --

10 MR. FERNSTROM: So, --

11 MR. MICHEL: If I could, Gary. I think
12 it's not really to move at the speed and sense of
13 urgency that I hear you speak about, we're
14 deploying both, you know, both ways. We're not
15 looking at it as an either/or situation. We're
16 looking at the deployment of incentives so that
17 we're changing the profitability of these products
18 to make retailers more interested to change their
19 shelf set assortments, and to promote those
20 sales --

21 ASSOCIATE MEMBER PFANNENSTIEL: Okay,
22 well, that's something I hadn't heard before, that
23 these products are less profitable to the
24 retailers than the less efficient --

25 MR. MICHEL: I didn't --

1 ASSOCIATE MEMBER PFANNENSTIEL: -- than
2 the more -- than the less --

3 MR. MICHEL: We want to make them more
4 profitable. We want to change the --

5 ASSOCIATE MEMBER PFANNENSTIEL: But if
6 they're -- maybe they are, maybe they're not, I
7 don't think we know that. So, if they already are
8 more profitable, we're just adding to that.

9 MR. MICHEL: Well, which would then
10 increase their -- even if it was already
11 profitable, if we're going to make it even more
12 profitable and we're looking at shelf sets within
13 retailers, I would expect them to increase the
14 assortment of those products. And ultimately, you
15 know, drive the sales to the customer.

16 ASSOCIATE MEMBER PFANNENSTIEL: I think
17 we're sort of beating this question of efficient
18 use of ratepayer dollars farther than we need to
19 do it here.

20 MR. MICHEL: Okay.

21 PRESIDING MEMBER ROSENFELD: I'm going
22 to ask one related question, though, which I'm
23 embarrassed that I don't know the answer to. When
24 it comes to older white goods like refrigerators
25 or -- I'm used to seeing yellow energy guide

1 labels which tell me something about the energy
2 efficiency.

3 And I realize that I've slept through
4 these proceedings without really asking myself do
5 we have any powers to require labeling, any
6 labeling on tvs? I don't know whether -- Noah has
7 his hand up. Do you want to say something, Noah?
8 Noah Horowitz.

9 MR. HOROWITZ: Noah Horowitz with the
10 Natural Resources Defense Council. Commissioner
11 Rosenfeld is referring to the yellow energy guide
12 label that's commonly found on refrigerators and
13 other white goods.

14 The federal energy bill of 2007 EISA,
15 the Energy Independence and Security Act, requires
16 the agency, the Federal Trade Commission to
17 include tvs within the next 18 months. That clock
18 started the end of the year, but there is a delay
19 in terms of getting the new test method up to
20 date.

21 So in the next couple of years you will
22 see that yellow sticker on tvs at the federal
23 level.

24 PRESIDING MEMBER ROSENFELD: And is
25 there anything we could do to accelerate that in

1 California on an effective date for -- no -- go
2 ahead.

3 MR. SPEAKER: Ken's going to answer
4 this.

5 MR. RIDER: At the --

6 PRESIDING MEMBER ROSENFELD: Say who you
7 are for the record.

8 MR. RIDER: All right. This is Ken
9 Rider. Anyway, at the end of the proposed
10 standards in the staff report I've actually
11 included labeling in the proposed --

12 PRESIDING MEMBER ROSENFELD: Say it
13 louder, Included?

14 MR. RIDER: It includes labeling
15 requirements in the proposed standards.

16 PRESIDING MEMBER ROSENFELD: Very good.

17 MR. RIDER: Which basically just mirror
18 what the -- it just requires that the active mode
19 energy; right now that's what it requires is
20 reported on the box.

21 PRESIDING MEMBER ROSENFELD: So that
22 will help the situation.

23 ASSOCIATE MEMBER PFANNENSTIEL: Shall we
24 finish? I see somebody wants to speak, but I
25 think we should go finish the presentation. Thank

1 you.

2 PRESIDING MEMBER ROSENFELD: Sorry for
3 the interruptions.

4 MR. MICHEL: No worries. I can finish
5 quickly here.

6 So, just to wrap things up, we believe
7 that the program, the voluntary program that we've
8 put in place will help pave the way for the future
9 of Title 20 standards in California.

10 We think that it will help with market
11 transformation effects and help increase and
12 accelerate innovation within a particular tv
13 space.

14 While our program is in place and
15 there's a structure that will pay at a very
16 specific level, the 15 percent above EnergyStar,
17 as the CEC looks at the implementation of
18 potential Title 20 standards, we would evaluate
19 implementing a tiered structured in our program to
20 drive the market towards whatever that future
21 Title 20 is.

22 And in most cases, would be my guess, we
23 would look at spurring beyond that. Because once
24 there's a Title 20 impact, that would be a
25 baseline for a voluntary program. And we would

1 have to do something above and beyond whatever
2 that baseline is to justify our program.

3 So, one of the things is as we look at
4 the potential implementation of multiple tiers to
5 try to support the efforts that you're
6 considering, as soon as we know what those are we
7 can drive the programmatic change well in advance
8 of something actually taking place in terms of a
9 Title 20 standard for the State of California.

10 So, the sooner we know the sooner I can
11 sit down with the program folks such as SMUD and
12 the other IOUs for the implementation of a tiered
13 structure to try to press the market towards that
14 particular standard. And most likely something
15 well beyond that.

16 So, in conclusion, we believe what we've
17 set up as a voluntary program here in California
18 can help serve as a national model for other
19 utility or utility regions in the country.

20 Over the course of the fall I've spent a
21 considerable amount of time delivering
22 presentations at EnergyStar, CEC/industry partner
23 meetings, eSource. And I've personally spoken
24 with dozens upon dozens of interested utilities in
25 the country that are looking at what we're doing

1 here in California.

2 And in many cases several of them are
3 moving forward with their own regulators to
4 implement programs in the tv space.

5 And it's our goal to try to harmonize as
6 much as possible with those utilities or utility
7 regions so that we can develop a critical mass for
8 our program which will help to further spur
9 innovation and accelerate product introductions on
10 a scale that we didn't think would occur
11 otherwise.

12 Our goal is to continue to work with
13 very important stakeholders such as the folks at
14 EnergyStar, the Consortium for Energy Efficiency,
15 the Consumer Electronics Association, retailers
16 and manufacturers.

17 We think if we can work together on the
18 voluntary side with all of these types of efforts,
19 we'll help spur innovation and drive customers to
20 buy the kinds of products that we would like to
21 see.

22 We also think that the national effort
23 could lead to greater participation and
24 acceleration of product introduction, and
25 acceleration of promotion of these products, both

1 at retail and at the manufacturing level.

2 Just to wrap it up, we think California
3 is well positioned to influence a very significant
4 market transformation effect here in California
5 through a right combination of voluntary incentive
6 programs, energy performance standards such as
7 what you're considering here today, and customer,
8 retailer education.

9 I appreciate the opportunity to be here;
10 hopefully I was able to provide, shed some light
11 and not leave too many questions in the minds of
12 people here today. But I'm available to answer
13 any questions either right now or at any break
14 offline.

15 MR. FERNSTROM: Just one more very quick
16 comment. The incentive program is designed to
17 encourage the top 25, 30 percent of equipment in
18 terms of its performance. The standards program
19 is designed to eliminate the bottom 25 percent in
20 principle.

21 And this isn't one homogeneous product.
22 These televisions are differentiated in their
23 performance, so the target for the incentive
24 program is different than the target for the
25 standards program.

1 And in order to convince you that the
2 standards program is merited, PG&E and its allies
3 needs to make a pretty good strong case that
4 there's a lot of equipment that's going to be
5 available. Otherwise you would not be convinced
6 that you should approve this proposed standard.

7 PRESIDING MEMBER ROSENFELD: Thank you
8 very much. PG&E gets lots of credits, and I hope
9 that the southern California companies are on your
10 tail.

11 I guess it's time for some comments.

12 MR. KLINE: Yeah, Dave Kline from JVC.
13 When will your program go live? When will we be
14 able to see this in the Best Buys and the Fry's
15 and all of your other retail partners?

16 MR. MICHEL: The program is live today.
17 We just signed contracts with a very large
18 national buying group to bring on all their
19 independent members here in California, totaling,
20 I believe, 55 stores.

21 And we're in the final contractual
22 processes with some of the largest national
23 retailers in the country. And expect, before the
24 end of this year, that at least two, if not three,
25 of them will be onboard and the incentives

1 available, up in the stores and promoting.

2 MR. KLINE: But there is currently
3 nothing available, because I was out looking at a
4 major retailer last night --

5 MR. MICHEL: Right. So, like I said at
6 the beginning, one of the biggest issues was the
7 lack of -- was the unknown of what tvs would
8 qualify for the program.

9 So when we put forward the contracts in
10 mid-fall of this year, the question that we would
11 typically get from retailers are what tvs qualify.
12 Of the tvs that I'm going to sell, what qualifies
13 for the program.

14 A lot of those questions were unknown
15 until EnergyStar published their first list of 3.0
16 televisions. Now that, according to Alex there
17 was close to 400 models on the EnergyStar website.
18 And I think approximately 80 percent of those
19 models qualify for the incentive.

20 So, at a very busy time of the year
21 where it's usually difficult to work with the
22 buyers with the big retailers, once we started
23 showing them what tvs actually qualified, that
24 accelerated conversations with legal staffs for
25 the contractual process.

1 Last week we received the contract from
2 one major national retailer and we're in the
3 execution phase of that contract this week. We're
4 expecting to repeat that with another national
5 retailer before the end of this week.

6 MR. KLINE: So, you're saying probably
7 by the end of the year, first of the Q1 of 09, we
8 would be able to see that at retail?

9 MR. MICHEL: You would see generic
10 promotion of the EnergyStar SaveMore brand in tv
11 departments --

12 MR. KLINE: Right. Okay, thank you.

13 MR. MICHEL: -- with some of the biggest
14 retailers. And quite frankly, some of the smaller
15 retailers and the independents. So we're looking
16 at an execution strategy across the spectrum of
17 retailers.

18 MR. SHARP: But you're talking about
19 your California service territories?

20 MR. MICHEL: Right. Only within our
21 service territories.

22 PRESIDING MEMBER ROSENFELD: Yes, sir.

23 MR. SOOHOO: My name is Leon SooHoo; I'm
24 the President and owner of Paradyme Sound and
25 Vision, Sacramento. I'm a retailer, so this

1 incentive has a lot of interest to me.

2 My question is how are you handling or
3 making it fair to some of the smaller dealers
4 around your territory that are not part of the
5 buying group, not part of the Best Buy group and
6 so forth.

7 MR. MICHEL: The program is open to any
8 retailer that can meet the contractual obligations
9 as laid out. And as a Sacramento retailer, most
10 likely you would connect up with SMUD, the SMUD
11 group, in terms of this program. And I'm sure
12 that they would encourage you to reach out to them
13 and get involved in the program. Again, we have
14 no barriers.

15 MR. SOOHOO: This is the first I heard
16 about it, only when I heard in -- I mean, if you
17 do not announce it the retailers are not going to
18 be aware of that. They have issues, you know,
19 working on their own. And I think that you need
20 to reach out if you're going to offer this.

21 MR. MICHEL: I completely agree. And
22 we're reaching out to the retailers within the
23 Pacific Gas and Electric service territory. And
24 I'm sure that the Sacramento Municipal Utility
25 District intends to do the same thing.

1 MR. SOOHOO: Short of reaching out they
2 won't hear about it. I'm just telling you this.

3 MR. MICHEL: Okay. I mean, point noted.

4 MR. SOOHOO: The other thing is, as a
5 retailer I tell you, if I have to sell a \$3000 tv
6 versus a \$1500 tv, my salesman is going to sell
7 the \$3000 tv in spite of the \$20 incentive there.

8 The only area that the \$20 really
9 affects is the tvs in the \$300, \$400, \$500 range.
10 Anything above that there's no incentive. \$20 is
11 too low for that.

12 Why not have the incentives somewhat
13 based on screen size?

14 MR. MICHEL: With all due respect, I
15 hear and understand what you're saying, but what I
16 can tell you is that there are people in the
17 retail community that would completely disagree
18 with that point of view.

19 And we've shown in some of the meetings
20 that we've been in with larger retailers, that
21 that \$20 has a significant impact in terms of what
22 they want to put in their stores.

23 MR. SOOHOO: Just an example of some of
24 the incentive that comes from our manufacturers,
25 Sony, Mitsubishi and so forth, and Pioneer, you

1 find that their incentive goes up with a higher
2 price television set.

3 So I don't know where your source
4 information is. But, as a retailer, I'll
5 guarantee you \$20 will not make one bit of
6 difference for a \$5000 or \$4000 tv set. But \$100,
7 \$200, then you may have some impact.

8 MR. MICHEL: Right.

9 MR. SOOHOO: So I just wanted to make
10 that comment.

11 MR. MICHEL: Okay, thank you very much.

12 PRESIDING MEMBER ROSENFELD: I see one
13 person. Yes, go ahead.

14 MS. ERICKSON: Janis Erickson with the
15 Sacramento Municipal Utility District. I wanted
16 to just say that we're happy to be participating
17 in this program.

18 And we saw it, you know, SMUD has a
19 small service territory within -- completely
20 surrounded by PG&E. And we saw it as an
21 opportunity to expand our ability to influence
22 manufacturers and retailers to carry the products
23 that would be efficient, and make a point of
24 noting that to customers who don't really
25 understand that there is a difference between the

1 higher efficiency ones and the lower efficiency
2 ones.

3 I think it was buried in maybe Alex's
4 presentation, that when they did a study of
5 customers, that they just didn't understand that
6 there was some better and some worse.

7 So, by coordinating with the other
8 utilities both in California, and we literally
9 have been approached by utilities across the
10 nation to join this type of market promotion, that
11 we have the ability to expand that influence and
12 better serve our customers.

13 We have started, like Tim said, with
14 more national retailers and manufacturers. But it
15 certainly is not to exclude any local companies.
16 And we just have had our heads down trying to run
17 the program out the door. And apologize to the
18 fellow from Paradym, but we will get with you and
19 make sure that we have the opportunity to include
20 everybody that wants to be included.

21 Thank you.

22 PRESIDING MEMBER ROSENFELD: Thank you
23 very much. Any more questions? Is somebody on
24 the line?

25 MR. TUTT: I have a question.

1 PRESIDING MEMBER ROSENFELD: Tim Tutt.

2 MR. TUTT: Tim, I guess I'm just trying
3 to clarify in my mind exactly what the incentive
4 program is you're proposing.

5 Right now when you say it's live and
6 effectively the incentive level would be 15
7 percent above the EnergyStar level, and tvs that
8 exceed that.

9 And then as the -- if we develop and
10 propose and adopt new standards, the incentives
11 would be adjusted to reflect the standard levels
12 and go beyond the standard levels, is that
13 correct?

14 MR. MICHEL: That would be certainly the
15 way I believe that we would react to that. If we
16 see this happen we would look at how would we
17 implement a, you know, would we either adjust our
18 existing one-level program, or do we implement
19 tiers to try to stretch out to whatever gets
20 adopted, if anything gets adopted.

21 MR. TUTT: Okay. And then the second
22 question is you describe this as an incentive
23 program working in the midstream with the
24 retailers. What does the consumer see when they
25 walk into a store that reflects this, if anything?

1 MR. MICHEL: Sure. What they would see
2 is we worked with Maria Vargas and the brand team
3 at EnergyStar to develop what was initially a
4 pilot called SaveMore with EnergyStar. And
5 SaveMore, you're able to use the SaveMore
6 EnergyStar brand any time there's a national
7 advance specification, such as what CEE adopted in
8 August of this year.

9 So, because there's that advanced
10 specification the PLP that you will see up in the
11 store will be a co-brand in our territory with
12 PG&E and EnergyStar. In Sacramento's case you
13 would see Sacramento's logo with EnergyStar. And
14 then what it will say is SaveMore, and then it
15 says, Save the environment, money and something
16 else --

17 PRESIDING MEMBER ROSENFELD: But does
18 SaveMore --

19 MR. MICHEL: -- energy.

20 PRESIDING MEMBER ROSENFELD: -- suggest
21 that you are beating EnergyStar by 15 percent?

22 MR. MICHEL: What it just says is
23 EnergyStar Save More. So, what the customers
24 really are going to hone in on, and what we've
25 seen through a variety of research is that the

1 EnergyStar brand holds such high recognition from
2 the customer, and has that energy efficiency
3 equation, we're going to call it out and use that
4 as the vehicle to call these tvs out that will
5 qualify for the retailer incentives.

6 PRESIDING MEMBER ROSENFELD: So your
7 strategy is basically to market EnergyStar, but
8 you don't have any way of communicating with the
9 buyer that there are models out there that beat
10 EnergyStar by 15 or more percent?

11 MR. MICHEL: I understand, Commissioner.
12 So, I mean, as in conjunction with putting this
13 point of purchase up, both PG&E and SMUD have
14 engaged detailing outfits to go into each of these
15 retailers and conduct energy efficiency awareness
16 training in addition to the placement of the PLP.

17 So there would be sales personnel
18 education components that will clearly spell out
19 that these products are the most efficient within
20 the EnergyStar mix. So there would be those types
21 of educational efforts.

22 And as we move forward into 2009 there
23 will be additional efforts through PG&E microsites
24 promoting these particular products and other, I
25 would imagine, press-related PR type efforts.

1 PRESIDING MEMBER ROSENFELD: Thanks.

2 MR. TUTT: One more followup on that.

3 Then the consumer walks into the store, they'll
4 see some tvs that just have an EnergyStar label.
5 And they'll see other tvs which have an EnergyStar
6 label and also have a flyer or some display that
7 says EnergyStar Save More, is that right?

8 MR. MICHEL: That is correct.

9 PRESIDING MEMBER ROSENFELD: And every
10 tv which basically complies with EnergyStar
11 doesn't necessarily get the Save More?

12 MR. MICHEL: Right. So, based on the
13 information that Alex put forward, you would see
14 roughly, you know, it changes on a week-to-week
15 basis, but approximately 80 percent of the tvs
16 that qualify for our program that are in that
17 EnergyStar mix, would have that PLP.

18 There's only 20 percent of the current
19 EnergyStar mix that doesn't qualify for our
20 program incentive, based on current data.

21 PRESIDING MEMBER ROSENFELD: Thanks. Do
22 we go ahead?

23 ASSOCIATE MEMBER PFANNENSTIEL: Noah.

24 PRESIDING MEMBER ROSENFELD: Noah's
25 next.

1 MR. MICHEL: Thank you.

2 PRESIDING MEMBER ROSENFELD: Thank you.

3 MR. HOROWITZ: Good afternoon; I'm Noah
4 Horowitz with the Natural Resources Defense
5 Council, NRDC. Thanks for the opportunity to
6 talk.

7 We've been very active in this space and
8 we did the first ever comprehensive look at how
9 much power do tvs use. And we did that back in
10 2004. And nobody was listening then. And we're
11 delighted to see the progress that the industry's
12 been making, and particularly in the last year or
13 so.

14 In our prior testimony, I just want to
15 highlight the greatest hits of what we did and
16 move forward. For those people that are new to
17 this, tvs represent roughly 1 percent of national
18 electricity use. And it's one of the biggest
19 remaining end uses in the home that's unregulated.

20 The PG&E study done by Energy Solutions,
21 we could quibble over the numbers, but order of
22 magnitude, once the tier two standard is fully in
23 effect and the stock changes over, we're looking
24 at savings of roughly 500 megawatts, which is a
25 good sized power plant. So I wanted to put that

1 in perspective; this is a big thing we're talking
2 about here.

3 And to put it into further perspective,
4 California's building energy codes, which I think
5 we can all pride ourselves, are amongst the
6 leaders in the world. We saved about 120
7 megawatts in our last round. So this tv standard
8 alone would provide four times the savings of one
9 year of Title 24 2008.

10 The other thing that was a big point in
11 our comments was we support the proposed two-level
12 standards put forth by PG&E, and particularly
13 focused on getting tier two right. And that we
14 need to do a lot more than just test and list,
15 which is what has been the industry's sole
16 proposal to date.

17 We agree with test and list, but we need
18 to go further. And we're very interested to hear
19 from the industry later today, and I'll keep my
20 comments short.

21 It's been five months since our last
22 hearing and we haven't seen one more piece of data
23 from the industry. And that test takes a couple
24 of hours to do. So I'm looking forward to seeing
25 the data. And if it's not here, get a better

1 understanding of why that's not forthcoming.

2 So my comments today are going to give
3 an overview on the technology. There have been
4 huge advances since we've last met. And some
5 confusion, and I want to clear that up.

6 I want to give a little bit further
7 snapshot of the market. Alex stole a lot of my
8 thunder, which is great. And I want to focus on
9 the settings, which we haven't spoken about. We
10 need to get that right. And talk a little bit
11 about the timing.

12 So, first off, where were we going into
13 the beginning of the year. Traditionally tvs were
14 shipped overly bright so they would stand out on
15 the retail floor. The retail floor space is very
16 bright, brighter than in your home. And on top of
17 that, tv manufacturers compete on brightness in
18 many cases.

19 For the right or wrong reason many
20 consumers will buy the brightest tv, all things
21 being equal. So they were shipped out of the box
22 to look very bright, and they didn't want to have
23 to rely on the retail associate to dial theirs up
24 properly.

25 The industry, both the panel makers, the

1 people that make the guts of the panel, if you
2 will, as well as the tv manufacturers who build
3 the tv around that core component, have
4 dramatically improved the performance of both the
5 LCDs and plasmas. And we've heard a lot about
6 that, and I'll give you a quick update on that.

7 Last year there was no consensus test
8 method. The IEC, which is an international
9 standard-setting body, did officially approve a
10 test method for measuring the amount of power a tv
11 uses when it's on. That's 62087 for those of you
12 keeping score. That was adopted this summer. So
13 we do have an official test method that everybody
14 around the world is embracing.

15 Also, the old EnergyStar, EnergyStar
16 2.0, only considered the amount of power a tv used
17 when it was off. That was a glaring omission.
18 They've fixed that. They took the baby step and
19 set the line where they did. That went live
20 November 2008. And they intend to revise that in
21 early 2010, the new one would go live. Now on-
22 mode is covered.

23 Interestingly enough, it's still
24 incredibly difficult for a consumer to find the
25 energy use or power use of a tv at the point of

1 sale. And online the only place it's easy is to
2 find, if you are an EnergyStar-qualified model and
3 you told EnergyStar that, you can find that on the
4 website. But the other 60-plus-percent of the
5 market there's still no way for you to find that
6 data. You can find the EnergyStar hog, but you
7 don't know what the energy hog is.

8 So, I'm going to take you on a journey,
9 the road to efficiency, if you will. And the
10 first step is the industry, which we agree with
11 the direction they're taking, is moving from the
12 you take the tv out of the box, you don't do
13 anything, this is what your settings are.

14 Instead they've moved, in large part due
15 to the credit you got in the EnergyStar spec to a
16 forced menu. So you have to choose home or retail
17 or vivid or some other setting with the hope that
18 you pick home. The tv is less bright, but still
19 plenty bright for you home in most cases.

20 Also there might be a little sensor on
21 the tv, so if you turn down the lights in your
22 living room or wherever you're watching tv, the tv
23 dims down to the appropriate level. If it's
24 really sunny in your room, then the brightness
25 goes up.

1 These cuts, together, have decreased the
2 power use by 10 to 25 percent, especially if they
3 went to the forced menu. This cost was virtually
4 nothing to the manufacturers. And overnight we're
5 seeing these dramatic savings. And that's why, as
6 of today, there are roughly 400 models on the
7 EnergyStar list, only a month into its existence.
8 And we expect to see that to continue to grow.

9 So, EnergyStar deserves credit for
10 moving the industry towards the forced menu. But
11 that's just the first bite of the apple, if you
12 will.

13 What would be the next step, then? I'm
14 going to talk in parallel of LCD tvs and then
15 plasma, recognizing that the flat, thin panel tvs
16 are going to dominate; and the thicker ones are
17 increasingly going to have decreasing market
18 share.

19 Alex alluded to things called ecopanel, or
20 more technically in the industry they call them
21 ecomodules. So there's the little LCD sandwich in
22 front and the backlights behind that. Together
23 that makes a module. And Alex has demonstrated by
24 this shift we're seeing power savings in the on-
25 mode of 30 to 50 percent.

1 The industry, there are roughly five
2 panel makers that make the guts of almost all LCDs
3 sold around the world. Aewoo is one of them.
4 It's an alphabet soup CMO, LDG. And some of them
5 are vertically owned by the tv manufacturers,
6 themselves. For example, Sharp owns their own
7 panel factory.

8 Everybody knows how to do this. This
9 isn't a question of there's only one panel maker
10 and they're going to charge everybody an
11 exorbitant rate. Or there's some proprietary IP
12 that people can't get.

13 So, we're seeing in late 2008 we just
14 saw the introduction of some of these models; and
15 2009 we expect to see a lot more.

16 So here's the recipe. Maybe I'll start
17 with a figure and then come back to this. Can I
18 go off-mike for a little bit. Or is there a laser
19 pointer?

20 MR. SPEAKER: Use the mouse pointer.

21 MR. HOROWITZ: This is scaring me. I'll
22 be able to do it --

23 ASSOCIATE MEMBER PFANNENSTIEL: Noah, if
24 you go off-mike the people on the phones can't
25 hear you, and you can't get transcribed.

1 MR. HOROWITZ: Okay, I'll stay here.
2 Bear with me then. Where it says AMVA, that
3 little green part there, the next generation how
4 do you make that LCD sandwich. The crystals in
5 there are more efficient. So they have improved
6 transmittance.

7 We've heard already about the 3M film
8 called Vacuity. They're competitors and I think
9 there's a letter in the transcript from another
10 company. Basically it enables more light to come
11 through to the front of the tv.

12 And there's a diffuser plate here. In
13 the past there was a concern you could see the
14 light bulbs in the back. And that's not a good
15 thing. So we've got a better diffuser plate.

16 The bottomline here is more light is
17 coming out of the tv. And so, as a result, you
18 can eliminate some of those CCFLs, those cold
19 cathode fluorescent lamps. You can remove some of
20 those lamps. That saves money in reduced lamps.
21 They've also moved to more efficient lamps. So
22 that combination, this whole new ecomodule is
23 close to cost neutral.

24 We're trying to get better information.
25 We weren't able to get the panel makers to

1 testify. But I think that if you were to dig
2 deeper the facts would back up. But there's
3 little to no incremental cost here.

4 So here's it written up a little
5 further. So when you eliminate the need for a few
6 of the lamps there's a little connector there.
7 That saves money. There are inverters related to
8 each lamp and so forth.

9 This whole package uses less power so as
10 a result the ac-to-dc power supply can become
11 smaller. That saves money and weight in shipping
12 costs and so forth. So, overall, there are lots
13 of net benefits here.

14 And all of this is at the same
15 brightness level. There's no decrease in
16 performance of the product. That's the LCD side.

17 Now I'm going to talk about plasmas.
18 This is a little more complicated. There's no
19 single picture to explain this. But, in general,
20 the industry is moving to double the performance,
21 the efficiency, if you will, from 2.5 to 5 lumens
22 per watt so they can cut the power in half by
23 maintaining the same brightness levels as today.

24 And as you've seen earlier, a full year
25 ago Panasonic demonstrated this technology and

1 publicly announced their intentions to release
2 this by mid-2009, well in advance of the tier two
3 standard.

4 This is just more of their press release
5 material. And then Alex mentioned the gentleman,
6 Russ Young, who is one of the leading experts in
7 the plasma industry. Here he shows how do you
8 get, what's the road to 5 lumens per watt look
9 like.

10 I won't bore people with the details,
11 but it's in our packet here that will become part
12 of the public record. It's not us making this up.
13 These are the technical experts saying here's how
14 you do it.

15 And here's how you reduce costs at the
16 same time. So, assuming a net incremental cost of
17 zero is probably a safe assumption, being
18 conservative here. This expert shows roughly 10
19 percent price reduction potential due to lower
20 power supply sizes and other factors.

21 The other thing is these tvs are
22 becoming thinner due to various technological
23 improvements. So I think these potential
24 standards in the drive for efficiency is driving
25 innovation.

1 So, what are the benefits besides have a
2 thinner tv? Well, people can market mine's
3 thinner than yours, but that's not the sole
4 benefit to society. You can get more of these
5 panels into a cardboard box so you reduce the
6 amount of packaging materials that that company
7 needs to provide. You can get more of those boxes
8 in a container coming from China or wherever these
9 are being transported. So you're lowering the
10 supply chain cost above and beyond the simple cost
11 of this panel.

12 We haven't heard that from CEA and I'm
13 glad we've got one of their economists here.
14 Maybe they could give us a sense of how big these
15 savings really are.

16 So that's how you get to tier two. The
17 good news is we're going to see products
18 exceeding, in this case meaning lower power
19 consumption, than the tier two line, which is
20 going to provide roughly 30 to 50 percent savings.

21 So we saw those fluorescent-based
22 backlights. The industry is looking at and we're
23 starting to see an occasional model here or there
24 that use LED backlights, or solid state lighting.

25 They're able to respond very quickly as

1 opposed to the CFLs, so that you only have as many
2 of the LEDs on as you need, depending on the
3 picture you're displaying.

4 The recent laptop introduced by Apple
5 has LED backlights in it. There the motivation
6 was to use less power to preserve the battery
7 light. But we expect to see the price of LEDs
8 continue to drop dramatically.

9 We also saw -- Alex mentioned this, so I
10 won't go over it -- the move to 10 lumens per watt
11 is the next target that the plasma industry is
12 shooting for. And that would provide even more
13 compelling energy savings and cost savings.

14 For those of you that love this stuff,
15 I'll leave this with you, and the quiz will be
16 tomorrow.

17 Here's additional information on how
18 you're also lowering price, not just gaining
19 efficiency.

20 I want to shift, if I can, to settings.
21 So, again I mentioned the tvs were shipped in this
22 very bright mode. And they're often overly bright
23 for the home user, but many people didn't often --
24 whatever -- however you take you tv out of the
25 box, most people don't change anything. So we

1 need to get it right the first time.

2 And that's why we're supportive, and I
3 think it was Panasonic, themselves, who proposed
4 the forced menu. And here they have to choose
5 between home or retail or vivid. And EnergyStar
6 was driving this. And that's why we're seeing
7 such a large rate of companies that are meeting
8 EnergyStar.

9 What we've heard, though, and this is
10 just in a voluntary environment, and you can
11 imagine further motivation. Someone could dial up
12 the home setting, turn it -- make the tv picture
13 dimmer. And there's a direct correlation between
14 power use and brightness.

15 So there's the concern that might happen
16 is some manufacturers, hopefully none in this
17 room, would have the home setting as a means to
18 comply, and the picture would be too dim. So many
19 consumers would do one of two things: Return the
20 tv, call the call center, or then they would be
21 motivated to go into the menu and pick a different
22 setting. And the power use would jump
23 dramatically; and we'd only be getting savings on
24 paper. We need real savings here.

25 So we've got a couple of potential

1 solutions. We think there needs to be added
2 specificity added to the staff report. So the 45-
3 day language, we're hoping, can have additional
4 suggestions on how to deal with the brightness.

5 One way to do this, or one quick techy
6 thing, nits means candellas per square centimeter;
7 that's how bright is the image for the area. So
8 you could say, if you are going to use a forced
9 menu, the brightness must be at least set at X
10 nits. So an initial setup condition.

11 We would continue to use IEC 62087, but
12 you just need to dial the brightness to a certain
13 minimum level. Your tv can use more than that,
14 but if you're going to claim the home setting, you
15 need to be at least this bright. We'd love to
16 hear from industry what's the right number. Is it
17 300, 350 nits, we're still trying to gather
18 information. We ran out of time before the
19 workshop.

20 The other thing would be to say before
21 you put in the DVD that you run the test. You
22 need to set the tv at X percent of maximum
23 brightness. So make sure the tv is sufficient
24 bright.

25 These are just two ways we thought of.

1 You're the experts. So our recommendation is for
2 CEC Staff to convene a conference call as soon as
3 possible, recognizing we're approaching the
4 holiday season. Maybe people could float
5 recommendations to the CEC and they could have a
6 call and come up with this.

7 I also want to point out that the EPA,
8 for their monitor spec, is considering doing
9 something on brightness. In China they're looking
10 at setting standards for tvs. They're going to
11 have something on brightness, so this is an issue
12 that's of concern to other people. And I think we
13 need to get it right, as well, otherwise the
14 standard could potentially be gamed.

15 So where are we today? This is my only
16 color slide. I can't do what Alex can do with
17 PowerPoint. But this is real important. The
18 EnergyStar 3.0, that was live November 1st. We've
19 already seen close to 400 models comply. We're
20 well past their threshold of the top 25 percent of
21 the market. The EnergyStar spec wasn't set very
22 ambitiously. But they're going to revise that.

23 Most of the models that meet EnergyStar
24 already meet the tier one that the CEC is
25 proposing. Ballpark numbers, there are about 1000

1 discrete models that are out there. But it could
2 be the top 50 models represent a large percent of
3 the overall sales.

4 So, in terms of market share, we're
5 probably seeing well in excess of these 40
6 percent-ish numbers.

7 The part that I delight in is today, a
8 long time before the new standard, we're seeing
9 over 100 models meet the tier two. To be fair,
10 all of these are LCDs or rear projections. We
11 haven't seen plasmas meet this. But based on the
12 evidence we've seen, we're very confident that the
13 plasmas will be coming along shortly.

14 Here is a list. It's hard for you to
15 read, but it's an alphabet soup of all different
16 manufacturers, all different sizes, meeting tier
17 one, and increasingly tier two.

18 And here's a table just to leave in the
19 docket of a cross-section of who's meeting tier
20 two today. And I do want to acknowledge Dave
21 Kline from JVC. They've got 13 models that
22 already meet tier two. And have some of the most
23 efficient LCDs out there. These also tend to be
24 the thinner models, and in terms of incremental
25 cost, Dave would be a great person to talk to.

1 How did you achieve this? And is it costing you
2 any money, if at all.

3 Some of the other companies here have a
4 lot of models. They tend to be on the smaller
5 side. But what we typically hear in these sort of
6 proceedings, and I've been at more than I prefer
7 to admit, is oh, that can only be done at the high
8 end. You're going to be preventing consumers, for
9 whatever reason, forced to only be able to
10 consider the \$500 or lower tv.

11 If you go back to the chart, I don't
12 know if you can read it, but there are companies
13 like Sylvania, Emerson, RCA. Those are the entry
14 price products, and they're showing very high
15 compliance rates. Not only with tier one, but
16 also with tier two.

17 So this isn't just a question of you're
18 forcing people to only buy the \$2000 tv when
19 people can't afford that.

20 Also, we're seeing these at all
21 different sizes. Yes, Alex's data showed more
22 models at the small ones. That's where many
23 companies are starting. But we saw a 52 inch
24 Sony. If you look across JVC's portfolio, they've
25 got the 37, the 42, the 46 and the 50.

1 These are also -- you also hear, well,
2 you're going to stifle features. These are the
3 full-featured models that are meeting this today.
4 It's the 1080P, it's the high refresh rate, and
5 all those other specs.

6 Also, Vizio has a lot of different
7 models out there, and I'll talk to them in a
8 minute. You'll probably hear from the industry,
9 we've heard it before, is the market's taking care
10 of this, why do we need it.

11 Yes, we have 100 models that are meeting
12 tier two, but we still have 900 or so that aren't.
13 We need to set the standard to make sure every tv
14 sold in California is an efficient one. It's not
15 just a niche product.

16 A quick update on the plasma side. Yes,
17 we have models that are meeting tier one today.
18 We're fully expecting to see tier two models
19 trickling in next year.

20 I want to -- I just found out and put
21 into my presentation a letter from Vizio. Vizio
22 is one of the top five manufacturers of tvs sold
23 in North America, and I want to point your
24 attention to two parts here. I'll read this to
25 you, especially for those on the phone. And this

1 is directly the letter written by the cofounder
2 and Vice President, Ken Lowe, of Vizio:

3 "We've reviewed Title 20 efficiency
4 levels proposed by the CEC for tvs and support the
5 standard. And we are in a position to comply with
6 the proposed effective dates. But we'd also
7 support earlier implementations.

8 "Another thing of note, we have several
9 LCD models in the market today that meet the tier
10 two standard. So four years before the proposed
11 effective date. These models are using the latest
12 technology and features and scan a range of screen
13 sizes.

14 "For our plasma tvs, although it is
15 difficult for them to meet the standard today,
16 there are significant efficiency achievements on
17 the near horizon that could enable them to meet
18 the tier two requirements in the next couple of
19 years."

20 Bottom line, they see costs coming down.
21 They are already meeting it on several of their
22 LCDs, and those that don't, they're confident they
23 can do that in the near term. And they're also a
24 plasma manufacturer. And even though they don't
25 have models today, they're confident they can meet

1 the tier two standard, as well. So we acknowledge
2 their leadership and hope other companies will
3 step up, as well.

4 Shifting gears a minute, we haven't
5 mentioned Philips, but it's interesting, Starwood
6 Hotels chain recently signed an announcement with
7 Philips saying all of the tvs that are going to be
8 sold in Starwoods are going to be very efficient.
9 And roughly 40 percent savings compared to the
10 ones they currently have.

11 So, we're seeing interest by retailers.
12 We're starting to see interest by folks that buy a
13 lot of these tvs and pay the electric bill. We
14 owe it to consumers and businesses to help take
15 some of the pain out of their electric bills,
16 especially in these difficult economic times.

17 So, I'll conclude with NRDC supports the
18 original tier one that was proposed and the tier
19 two standard that were contained in the CEC Staff
20 report. We think the settings language needs to
21 be improved, and look forward to working with the
22 CEC to help make that happen.

23 We would like to see a timeline
24 published by the CEC, a tentative timeline, that
25 winds up with adoption of the full standard no

1 later than the end of the second quarter in 2009.

2 We had a five-month lag between the last
3 hearing and this one for many good reasons, but
4 it's time to finalize this. I think there is an
5 overwhelming amount of information to support a
6 standard and the ability to move forward.

7 Given where the industry is, and our
8 needs to meet -- comply with the AB-32 goals, and
9 other issues in place, we think it's appropriate
10 to move up the dates. We think tier one would
11 have an effective date of July 1, 2010. And even
12 more important, tier two should be no later than
13 July 1, 2011.

14 And that concludes our comments.

15 ASSOCIATE MEMBER PFANNENSTIEL: Noah,
16 great presentation. The question I have actually
17 was for a comment you made earlier. When you were
18 talking about the labeling requirements in the
19 Energy Act, this year's energy act, and you
20 mentioned that the law requires the labeling, but
21 it also requires the test procedures to be redone.
22 Is that the issue that we've been struggling with,
23 the test procedures for televisions?

24 MR. HOROWITZ: Yes, the Department of
25 Energy has a test method on the books; it's over

1 30 years old.

2 ASSOCIATE MEMBER PFANNENSTIEL: Right.

3 MR. HOROWITZ: The CEC submitted a
4 petition, and NRDC and many other stakeholders put
5 in a similar letter saying take out the old test
6 method, put in the new one. That's simply an
7 administrative step that we fully expect to happen
8 under the new Administration.

9 ASSOCIATE MEMBER PFANNENSTIEL: I see,
10 but it hasn't yet happened. I thought maybe what
11 you were saying was that the legislation was
12 requiring the DOE to make that change. Still has
13 not happened?

14 MR. HOROWITZ: If I suggested that,
15 that's not the case.

16 ASSOCIATE MEMBER PFANNENSTIEL: All
17 right, thank you.

18 MR. HOROWITZ: EnergyStar has built
19 their program off that 62087 test method, as other
20 governments around the world.

21 ASSOCIATE MEMBER PFANNENSTIEL: Right.
22 Yeah, we knew that, okay. Thanks.

23 PRESIDING MEMBER ROSENFELD: As
24 Commissioner Pfannenstiel said, great
25 presentation. Thank you very much.

1 First, before I -- Tim. Comments? Yes,
2 sir.

3 MR. FAIRHURST: Hello, I'm Jon Fairhurst
4 from Sharp Labs of America. And I was actually
5 the project leader on the IEC project 62087.

6 The one concern that I have --
7 PRESIDING MEMBER ROSENFELD: Good for
8 you.

9 MR. FAIRHURST: Thank you very much.
10 The one concern that I have is regarding unknowns
11 about brightness. As Noah mentioned, it's
12 possible that the system could be gamed. I don't
13 think that's happening, but last week EPA made a
14 request for brightness data from the
15 manufacturers.

16 So we're just now going to gather the
17 information. What we don't know is we set
18 brightness at let's say one level, we might find
19 that no televisions meet the standard. If you set
20 at another, you might find all of the current tier
21 two meets it.

22 So the concern that I have is by saying
23 that we need to set this standard, but we don't
24 know what is the brightness standard, we have a
25 huge unknown. So in my mind it's a bit premature

1 to say let's set a tier two standard, until we at
2 least get the data back to find out is there a
3 brightness problem or not.

4 That's my comment.

5 PRESIDING MEMBER ROSENFELD: Noah, you
6 sort of raised that issue, didn't you?

7 MR. HOROWITZ: I did. My point is the
8 standard wouldn't say all tvs need to be this
9 brightness. It's just saying if you are going to
10 have the home setting it can't be too dim. So
11 what is that level? And that's what this dialogue
12 would hopefully pull out.

13 MR. KLINE: This is David Kline from
14 JVC. Thanks for the shout-out, Noah. Our tvs are
15 the number one sets in the market. We are taking
16 a huge gamble as JVC. We are shipping out of the
17 box in standard mode. We have no setup menu. The
18 set that you pull out of the box is green and
19 qualifying as the number one set in every screen
20 size where we participate, 32, 42, 47 and 52.

21 We are taking a huge gamble because we
22 are pushing the envelope in terms of brightness on
23 screen. That's the magic that my company is
24 doing. It's standard technology for any other
25 people. But we are taking a huge risk.

1 I have been asked to write disclaimers
2 why this set looks different than it did November
3 1 when we started shipping EnergyStar televisions
4 that comply with this 3.0. And the sets that we
5 produced on October 31st, which were the 2.0
6 standby only and in vivid, what we call vivid
7 mode. It's comparable to the retail of the
8 EnergyStar.

9 We do not know what the impact on sales
10 will be. We do not know what the consumer
11 reaction to that industry-leading picture quality.
12 That picture quality is based on several industry
13 standards. The Joe Kane industries, the Imaging
14 Sciences Foundation with Joel Silver are two
15 industry organizations which have set home theater
16 lighting and brightness levels.

17 There's several test discs in the
18 ecosystem of screen adjustment. There's a cottage
19 industry built up about backing down your tvs to
20 what's called a D-6500 standard. It's a reduced
21 brightness, but a more wide ranging, better video
22 dynamics because of that reduced brightness.

23 Our sets have been designed to look as
24 if they were doing that D-6500, which our
25 engineers in Japan decided is the ideal load for

1 actual home video usage, rather than retail.

2 So we're shipping out of the box. We
3 don't know, we may see a huge hit in our sales.
4 People hate this. They complain, this is darker
5 than what I saw in the store. We're hoping that
6 the consumers will see the energy benefits, and we
7 are hoping -- sorry in this public auction -- but
8 we have -- are hoping that the consumers are more
9 concerned with the energy efficiency of those
10 sets, and impressed with the energy efficiency of
11 those sets, and will accept the standard mode
12 where we have shipped.

13 To those who do not care for that
14 particular style of picture, or for a room, Sunday
15 afternoon NFL football where there's Andersen
16 window walls around all three sides of the great
17 room and the family room here in California, open
18 plans housing. You may see a vivid mode where the
19 customer has the option to change to that more
20 highly consumptive, but brighter and more viewable
21 in that brighter ambient light situation.

22 But for most prime time of television is
23 8:00 p.m. to 11:00 p.m., okay. It's dark. Sorry.
24 There may be room lights on, but it's not bright
25 Sunday afternoon football. That's the only

1 situation where we're honestly seeing a problem or
2 an issue with most consumer actual fundamental
3 operation of the sets.

4 So, while we are the leader, we are
5 pushing the envelope. We feel that our actions
6 caused the EnergyStar memo to come out and report
7 the brightness. How can you guys be 60 percent
8 below EnergyStar levels? Our 52 inch LCD tvs are
9 up to 60 percent below EnergyStar levels. Simply
10 by pushing that screen picture envelope.

11 We're hoping that the consumers will
12 accept that. We have complaint, we have prepared
13 disclaimer messages that this set is more energy
14 efficient, you should consider the energy
15 efficiency of this set before you change it.

16 But we are deeply concerned, and we do
17 not know what the acceptance of this will be.
18 We're the only people who are doing this in the
19 industry. So we're the canary in the coal mine to
20 see how folks will accept this.

21 We may, next year, be going back to a
22 forced menu option, depending on what the actual
23 market sales are. We're in a business. We want
24 to sell these tvs. We don't want to build a bunch
25 of beautifully green but unsaleable televisions.

1 Our bottomline is selling those tvs.

2 So, that's our presentation. It's
3 simple technology. You got to just twist back the
4 knobs and break yourselves of that old habit of a
5 blow-torch mode.

6 We're concerned deeply about next year's
7 sample sets going out with a reduced mode in
8 comparison with all the other vivid modes that
9 will be there on the retail shelf. But that's a
10 gamble that we're willing to make to hope that
11 some of those consumers will see the energy
12 efficiencies, notice us on the EnergyStar
13 database, and ask for hopefully those JVC
14 televisions.

15 Thank you.

16 MR. HOROWITZ: David, a quick point that
17 you mentioned is the staff report requires the tv
18 to either have a forced mode or a motion sensor.
19 I think one should have the ability to have their
20 tv without a forced menu --

21 MR. KLINE: Yeah, that was one of our --

22 MR. HOROWITZ: -- and use out of the
23 box.

24 MR. KLINE: -- our comments was that we
25 would like to have language in this that either

1 the set, out of the box, would be the first
2 solution to measure the set. If it does not pass
3 at that point, then you go to a forced menu system
4 that would be a second alternative option.

5 But we would like more not to require
6 the performance or extra features, such as the
7 brightness control, the sensors, all of those
8 things. If you can perform straight up, out of
9 the box, that's the ultimate solution.

10 And if you need these other
11 technological additions, you may use them to
12 enable the efficiency of the tv.

13 MR. HOROWITZ: Couldn't agree with you
14 more. If I could -- one last point is price.
15 Alex showed some presentation material. I think
16 people are coming up with the -- it's not a
17 hundred percent true that the more efficient tv
18 will cost less than its comparable one.

19 One thing we do know for sure is
20 tomorrow's tv will cost less than today's. The
21 industry has continued to drive prices down. And
22 part of what's very difficult, some of the more
23 efficient ones may cost more. It's not because of
24 the cost of the efficiency, it's just a mix of the
25 features and how that company markets their

1 products.

2 So I think we need to focus on what's
3 the incremental production cost and supply chain
4 cost. And we continue to look forward to seeing
5 that data from the industry. Thank you.

6 PRESIDING MEMBER ROSENFELD: PG&E has a
7 comment, and then we're going to take a break.

8 MR. FERNSTROM: Two quick comments from
9 PG&E. PG&E supports the NRDC's accelerated date
10 recommendation for tier two. And we also support
11 the approach that Noah mentioned for minimum
12 brightness with the test procedure.

13 PRESIDING MEMBER ROSENFELD: Thank you,
14 Gary. Other comments on this part? No.

15 I'm going to make two suggestions.
16 Commissioner Pfannenstiel has to leave at 4:00,
17 and I think she'd like to hear the CEA talk.

18 So I think we'll tweak the schedule, but
19 I'm going to suggest we take a, let's see, it's --
20 that clock says 3:27. If we could take a seven-
21 minute break and really start at 25 minutes to
22 4:00, I think everybody would be happier.

23 But I really mean just seven minutes,
24 okay? Not 15.

25 (Brief recess.)

1 PRESIDING MEMBER ROSENFELD: And I note
2 that we really did get through with a ten-minute
3 break. All right. Okay, are you ready? Would
4 you introduce yourselves.

5 MR. JOHNSON: Good afternoon,
6 Commissioners. My name is Doug Johnson; I'm
7 Senior Director of Technology Policy for the
8 Consumer Electronics Association.

9 In this portion of the agenda it's noted
10 as CEA's presentation. We have a number of
11 parties involved in the industry in CEA's
12 presentation this afternoon that we want to move
13 through quickly, given the time constraint. But
14 importantly we want to hear the various voices
15 that are here today in the room.

16 First let me begin by describing the
17 approach here. The first portion of our
18 presentation has to do with the economic impact of
19 the CEC Staff's proposal. Following that we'll
20 hear about some of the specific impacts on
21 different parts of the value chain of our
22 industry.

23 Finally, we'll talk about some
24 alternative approaches and ideas. And some of the
25 common denominators in what you've heard presented

1 this afternoon.

2 The CEC's approach, I think, can be, the
3 staff's proposal, the staff's report can be
4 characterized as suggesting that there be an on-
5 mode energy use limit. We've heard many times
6 from July and since then, from the Commission
7 Staff and others, that the objective here is to
8 remove inefficient tvs from the marketplace.

9 We've also heard several times this
10 afternoon that there are no costs, no adverse
11 impacts to stakeholders that are significant.

12 We've also seen justification of this
13 proposal with savings estimates that are based on
14 business-as-usual scenarios. And if there's one
15 fundamental point I want to make is that there is
16 no business-as-usual scenario in the technology
17 industry. In fact, many of the presentations do
18 show you that things are happening and happening
19 very fast that support energy efficiency. And
20 we'll be talking about that in more specifics
21 shortly.

22 So, at this point I would like to turn
23 over to Shawn DuBravac, our Chief Economist at
24 CEA. Shawn.

25 MR. DuBRAVAC: Thanks, Doug. And thanks

1 for having me. I will keep my comments short so
2 that we can move on to other comments, as well.

3 As Doug mentioned, I'm the economist for
4 the Consumer Electronics Association. I also
5 teach in the business schools of George Washington
6 University and George Mason University.

7 What we wanted to do here was just model
8 the effects on the State of California, really
9 focusing on tax revenue and jobs for the State of
10 California, given the impact of the proposed
11 standard.

12 We estimate that roughly 3.2 million
13 flat panel television sets are sold in 2008, in
14 given year, with a wholesale revenue value of
15 roughly \$2.7 billion to California retailers.

16 This is expected to grow about 6.5
17 percent annually for the next five years. So
18 there's still a lot of growth left in the flat
19 panel category, certainly, as consumers continue
20 to update older CRT televisions throughout their
21 home.

22 The way we went about modeling this is
23 running it through a simulation and trying to
24 capture the effects of the standard. So our model
25 walks through roughly 1300 iterations. And we

1 have an error estimate of less than 2 percent.

2 Some of the model assumptions. Just
3 taking a look, and a lot of this information, as
4 some of the prior presentations have used, comes
5 from the data available in the EnergyStar 3.0 data
6 that was recently made available.

7 So looking at those models, we found
8 similar to what Noah presented, that about 22
9 percent of the models in that EnergyStar database
10 would not qualify under the CEC Staff proposal.

11 We know that that EnergyStar database,
12 of course, doesn't capture all sets. So the
13 number is likely larger, and the number of
14 nonqualifying sets would be higher because of
15 those sets not contained within that database.

16 So we run through three separate
17 scenarios. One where you remove roughly 30
18 percent of those nonqualifying television become
19 qualifying televisions. And 20 percent and 10
20 percent, respectively.

21 So some of the things we assume in our
22 model, just to give you a little bit of a feel for
23 what we're doing in the model, we assume that
24 people who would have otherwise, before the
25 standard, bought a nonqualifying set, of course,

1 under the standard then have to buy a qualifying
2 set.

3 So we don't assume that these purchases
4 disappear or that they go away, or that it impacts
5 consumers' desire to buy televisions. We still
6 see, you know, in years moving forward over 3.5
7 million sets purchased in California.

8 So, again, there the big assumption is
9 that nonqualifying models are removed from the
10 market and consumers are likely to choose among
11 qualifying models.

12 We know that nonqualifying tvs tend to
13 be larger. They tend to be more expensive, as has
14 been already presented today multiple times.
15 Across the board the average price delta is about
16 \$1000 between qualifying models and nonqualifying
17 models.

18 Part of that is driven, of course, by
19 the fact that qualifying models tend to be smaller
20 than nonqualifying models. So you can use -- and
21 the model's built in such a way that if you would
22 have other assumptions you'd like us to run, we're
23 happy to put those assumptions in.

24 We used something significantly less
25 than \$1000. We looked at a price difference

1 between \$400 and \$600. I think some of the
2 examples that were given earlier were in, you
3 know, the \$200 or \$300 range. Certainly you could
4 use those estimates, as well.

5 One of the assumptions we work with is
6 the number of workers at retail locations in
7 California is a function of the value of total
8 sales. So retailers tend to keep on staff
9 employees based upon the revenue of that store.

10 You know, if the store grows and they're
11 able to produce more sales, then they add staff
12 accordingly. And the reverse is also true. If
13 the value of their sales declines then they're
14 forced to remove employees, to lay off employees
15 and reduce their sales count.

16 As is common with economic modeling
17 there is a multiplier effect. So if you lose a
18 job or you gain a job in a certain industry that
19 produces jobs in adjacent industries and other
20 industries that are downstream.

21 So you can imagine that as a retailer
22 adds employees, those employees then go on to buy
23 other things outside of their industry. They buy
24 clothes, so that helps retailers that sell
25 clothes. They go out to eat, that helps

1 restaurants. And so there is this multiplier
2 effect.

3 In the model we assume that the
4 multiplier effect for consumer electronics
5 retailing in California is consistent with the
6 results coming out of a PWC report that was
7 published earlier in the year.

8 They were looking at the effects the
9 industry had on employment generally for the
10 country. We assume that California looks very
11 similar to the rest of the country. And I think
12 that's, with it being 12 percent of the
13 population, a fair assumption. And, again, of
14 course, all of these assumptions we can change
15 accordingly.

16 In the model we've ignored several
17 things. We do believe the results we'll present
18 here shortly provide a downward bias or a more
19 conservative estimate.

20 For example, we've ignored any reduction
21 in installer services. Bigger screens, more
22 expensive screens tend to be installed. And
23 you'll hear later from specialty retailers,
24 specialty retailers that I've talked to get about
25 half of their, you know, up to half of their

1 revenue from installer services. It is a big
2 important part of their business model.

3 That is when you go in and you buy a
4 television you also hire that firm to come in;
5 they install it; they wire it; they set it up.
6 And so it's an important part of the business.

7 We've ignored any impact from reduced
8 installer services. The idea there is that as you
9 remove these nonqualifying sets consumers are left
10 to choose from qualifying sets. If they then buy
11 a smaller set chances are they're not going to
12 have it installed, or at least not at the same
13 rate.

14 We've also ignored any impact from
15 attachment purchases. When consumers go in and
16 they buy a new flat panel television, they tend to
17 add products to that purchase. They bundle
18 additional products with it. Maybe it's a new DVD
19 player, or it's a BlueRay player in many instances
20 these days.

21 Often televisions today have different
22 connections to connect those video components. So
23 they might be buying an HDMI cable, something like
24 that. So you're buying a less expensive set. I
25 think it's fair to assume that you're also going

1 to spend less on these attachment services.
2 You're buying a smaller set, you're probably not
3 going to buy the HDMI cable or the video component
4 that you would have in the past.

5 Needless to say, we've ignored those
6 type of impacts. We've also ignored any other
7 externalities that I'll just briefly mention
8 later.

9 With that we then rolled through the
10 model. We've heard from PG&E that they'd like to
11 see 25 percent of televisions removed from the
12 market. We're going to go through again just a
13 few scenarios.

14 One is we start with removing 30 percent
15 of the models. So if you saw 30 percent of the
16 nonqualifying models, and those were removed and
17 replaced with qualifying models, we estimate that
18 it would cost, on an annual basis, the State of
19 California about \$130 million in lost tax revenue.
20 And costs the state nearly 16 jobs in California.

21 PRESIDING MEMBER ROSENFELD: Can I ask
22 you one question?

23 MR. DuBRAVAC: Sure.

24 PRESIDING MEMBER ROSENFELD: I wish that
25 I had the data right in front of me, but you're

1 assuming that there's a huge correlation between
2 nonconforming models and size and price.

3 And I don't remember very well, but I
4 thought that on the scatter plots that we saw
5 earlier that nonconforming models were sort of
6 spread equally around on the screen from 40 inches
7 to 60 inches.

8 MR. DuBRAVAC: Well, what I'm using is
9 the database that I think the presenters before me
10 have used. And that's really the only data that
11 we have to go on is the data from the EnergyStar
12 3.0 database.

13 So if you use that data, and even if
14 you're comparing equal sizes, and I think we saw
15 that from one of the earliest presentations, if
16 you compare an equal size 42 inch qualifying
17 versus a equal size nonqualifying, that you'll
18 notice a price delta there, a price difference.

19 ASSOCIATE MEMBER PFANNENSTIEL: So, let
20 me make sure then, following up with Commissioner
21 Rosenfeld, that I have this straight.

22 For a television equal size, equal
23 features, but one is more efficient than the
24 other, one qualifies, the qualifying one is
25 cheaper than the nonqualifying one.

1 And so what you're leading us to is
2 because consumers are buying more efficient and
3 cheaper televisions then there's going to be this
4 significant negative impact on the California
5 economy.

6 But what about the fact that -- have you
7 modeled for the fact that then these consumers, by
8 paying less for a television set, and less for the
9 energy for the next ten years for that television
10 set, will then be pumping some additional money
11 back into the economy.

12 There would be a positive multiplier, in
13 fact, would there not be, that way?

14 MR. DuBRAVAC: Well, assume we're
15 looking at the -- in representing the industry
16 we're looking at the impacts from the industry. I
17 mean I think you can think of -- it depends on
18 where that money is spent.

19 ASSOCIATE MEMBER PFANNENSTIEL: But I do
20 think this issue, and it's a really big issue,
21 about 10,000 additional jobs lost in California in
22 the time of an economic recession throughout the
23 country and in California, is a headline issue.

24 And yet I think that we have to be very
25 careful that that is only the downside, that's

1 merely a negative impact from something that may,
2 in fact, have some maybe equal, maybe totally
3 offsetting, and maybe even more positive effects.

4 So I'm just really concerned that we
5 look at -- I don't know why we would think it
6 being a negative thing when a consumer would get
7 the same product, and then, in fact, a better
8 product, for less cost. It seems like that's a
9 positive for the State of California.

10 MR. DuBRAVAC: Right. So, I mean one of
11 the things you have, and I think when you hear
12 from some of the specialty retail channels you'll
13 get a better vision of that.

14 But one of the issues is that they, a
15 person who's buying a more expensive, more
16 feature-rich set will go to a specialty retail
17 location. And I think hearing it straight from
18 them is probably more appropriate.

19 But then now they're opting in the new
20 world to buy a less expensive set, perhaps a
21 smaller set than they --

22 ASSOCIATE MEMBER PFANNENSTIEL: But,
23 see, I'm not going there. I'm not agreeing that
24 the set would have to be smaller to be compliant.

25 MR. DuBRAVAC: Right.

1 ASSOCIATE MEMBER PFANNENSTIEL: And if
2 it's the same set --

3 MR. DuBRAVAC: On average it is, though.
4 I mean on average the sets that would qualify are
5 smaller. The average set is smaller.

6 PRESIDING MEMBER ROSENFELD: Well, but
7 that depends explicitly on this plot that I wish
8 we had in front of us, with the noncomplying
9 models as a function of size. I don't remember
10 that correlation.

11 MR. DuBRAVAC: Yeah, and maybe it
12 doesn't show up in the graph, but looking purely
13 at the data from the EnergyStar 3.0 database, it
14 does show up. If you just look at kind of the --

15 PRESIDING MEMBER ROSENFELD: Maybe at
16 the end of --

17 MR. DuBRAVAC: Yeah.

18 PRESIDING MEMBER ROSENFELD: -- his talk
19 the staff can remind us of that data.

20 MR. DuBRAVAC: Yeah.

21 MR. TUTT: Even so, it does seem that as
22 the consumers are buying compliant sets they are
23 spending less money on energy use, they are taking
24 that money and potentially spending it in other
25 areas of the economy, and you're not modeling

1 that.

2 MR. DuBRAVAC: Right, because we
3 represent the consumer electronics industry.
4 So, --

5 PRESIDING MEMBER ROSENFELD: But that's
6 a pretty -- I must say I'm very uncomfortable
7 about this. It sounds a little bit like arguments
8 I heard from -- we all heard from General Motors
9 and Chrysler and Ford, that SUVs were very
10 profitable, and we got lots of jobs because they
11 sold for more money.

12 But there was a catch to that argument
13 which we all know.

14 MR. DuBRAVAC: Well, so one of the
15 problems is, and we can certainly model this, but
16 if the multiplier effect is lower where that money
17 is being spent, then there still would be a net
18 loss.

19 So, what you --

20 ASSOCIATE MEMBER PFANNENSTIEL: But if
21 it's higher, then, in fact, there would be a net
22 gain.

23 MR. DuBRAVAC: Definitely, yeah. So,
24 you'd --

25 ASSOCIATE MEMBER PFANNENSTIEL: You just

1 don't know that.

2 MR. DuBRAVAC: Right, you'd have to
3 figure out where they were spending that money.
4 If you felt like they were going to spend it in an
5 industry that had a higher multiplier effect,
6 then, you know, then there would be a net positive
7 gain.

8 From the PWC study it does appear that
9 the consumer electronics industry generally, and
10 the retail and distribution sections specifically,
11 have a very high multiplier effect. There's a
12 very high multiplier effect for that --

13 ASSOCIATE MEMBER PFANNENSTIEL: Well,
14 they could well be spending it elsewhere in the
15 consumer electronics industry. I mean that --

16 MR. DuBRAVAC: Certainly.

17 ASSOCIATE MEMBER PFANNENSTIEL: --
18 doesn't, you know, or some other industry that
19 has --

20 MR. DuBRAVAC: Yeah, I --

21 MR. HUNGERFORD: So your model leaves
22 that out.

23 MR. DuBRAVAC: That's --

24 MR. HUNGERFORD: Your model says they
25 aren't spending the money.

1 ASSOCIATE MEMBER PFANNENSTIEL: Right.

2 MR. DuBRAVAC: Right, or that they're --

3 MR. HUNGERFORD: Okay, well, we know
4 that's not true. So, --

5 MR. DuBRAVAC: Well, how do we know
6 that's not true?

7 MR. HUNGERFORD: When people -- basic
8 economics. I know you have a PhD in economics,
9 but so you do understand that. But you've set
10 your accounting stance in such a way that you've
11 constrained it to your industry, and --

12 MR. DuBRAVAC: Right.

13 MR. HUNGERFORD: -- and haven't looked
14 at the effects outside of your own industry. So,
15 people have a budget that they're spending on a
16 particular -- they have a consumer budget that
17 they're spending.

18 Then the fact that one item costs less
19 doesn't mean their budget goes down. It means
20 that they spend their budget in other ways.

21 And, in fact, Jackie's point is
22 precisely correct. If someone were to spend a
23 little less on the television -- by the way, I
24 don't necessarily agree that they wouldn't spend
25 less on the television, but if they did spend less

1 on the television, they're likely going to put it
2 into their audio system to go with their home
3 theater, or a few more DVDs.

4 MR. DuBRAVAC: Right, we would hope
5 certainly, from an industry perspective, that they
6 would spend it within the industry, and then the
7 multiplier effects would be the same.

8 I think when you hear from the specialty
9 retailers you'll see that if they're buying a less
10 feature-rich set, or if they do buy a smaller set,
11 then there might be less inclination to spend it
12 on the type of components and products they had
13 otherwise or previously would have purchased.

14 So, I mean I think you definitely need
15 to take into account where that money goes. And
16 then, you know, assuming 10 percent of tv models
17 are eliminated, you see the loss on an annual
18 basis, 44 million. And about 5000 jobs.

19 Most of these jobs are within that
20 consumer electronics retailing industry, though,
21 you know, some of that is captured in the
22 multiplier effect. So they are throughout the
23 economy.

24 Even if you were just looking at 1 to 2
25 percent of the models, you're still looking at 7

1 million a year. So even if you, you know, even if
2 the effect is small, you're still looking at
3 nearly 1000 jobs in California.

4 Some of the other externalities we
5 didn't take into account. We know that 75 percent
6 of consumers shop online, and that they do
7 research before they purchase a product.

8 So, you know, I think there's potential
9 externalities that we haven't looked at either way
10 for this scenario. I mean, one scenario is that
11 they just buy online, and so if that online
12 retailer isn't capturing the tax from that sale,
13 then there's just an entire loss to the State of
14 California, not just the marginal loss.

15 You know, the flip side is maybe there's
16 an environmental gain there. They're not driving
17 to the retailer, so they're not, you know, there's
18 no carbon, additional carbon footprint.

19 Conversely, if they find a set that they
20 really like and they go to the retailer and they
21 try to buy it, and, you know, they're talking to a
22 19-year-old sales clerk who says, we don't have
23 it, you'll have to try somewhere else. And they
24 drive an additional few miles, this program to
25 help the environment could have other

1 externalities to take into account.

2 So I think those are just some of the,
3 you know, some of the things to think about. You
4 know, no need to stress more the current
5 environment, certainly.

6 Just a little bit to frame the
7 conversation moving forward, as you hear from the
8 specialty retailers. As you would expect, the
9 large electronics retailers had a important
10 marketshare in this category. And this is looking
11 specifically at LCD sales both in dollars and
12 units. You'd see Best Buy, Circuit City have an
13 important position in this market.

14 But you also note that the tv stores and
15 appliance stores, these tend to be the specialty
16 stores that have more -- you know, they typically
17 are regionally based, as opposed to like Circuit
18 City and Best Buy nationally based. They'll have
19 10 to 15 stores in and around a metropolitan area.

20 Count nationally, these stores in
21 aggregate are a important share. You'll also note
22 that they tend to spend, they tend to sell more
23 expensive sets, and not make that up on volume.
24 As you can tell from Walmart, low revenue share,
25 much higher unit share. So a store like Walmart,

1 as you would expect, is selling less expensive
2 sets and making it up in volume.

3 That's not what you see from the,
4 typically from the television stores who are
5 selling more expensive sets with less volume. And
6 losing those sales does have a larger impact on
7 their business model because they're not making
8 that up in terms of volume.

9 So, with that I'll turn it back to Doug.

10 PRESIDING MEMBER ROSENFELD: I wanted to
11 make one comment. I do have it correctly that you
12 do not take into account at all the money saved to
13 the economy by reduced electricity sales?

14 MR. DuBRAVAC: No, no, we didn't take
15 that into account.

16 PRESIDING MEMBER ROSENFELD: Because --

17 MR. DuBRAVAC: Certainly we can, you
18 know, I think these are both good points and we
19 can make those adjustments easily in the model.

20 PRESIDING MEMBER ROSENFELD: Because
21 there's a paper that's a few months old floating
22 around, by Professor Roland Hurst of Berkeley, in
23 which he looks at the present electricity sales in
24 California, which are lower because of various --
25 Title 24, Title 20 and so on.

1 And he comes to the conclusion that
2 we're saving about \$5 billion a year on reduced
3 electricity sales. This is from everything,
4 cumulative --

5 MR. DuBRAVAC: Sure.

6 PRESIDING MEMBER ROSENFELD: -- used.
7 And he claims, including the multiplier effect,
8 over a million jobs, positive jobs, not negative
9 jobs.

10 So it's a pretty big deal, and I hope
11 you'll take a look, and put those savings into
12 your model.

13 MR. DuBRAVAC: No, definitely, I think
14 that's a good suggestion. I'll take a look at
15 that paper, as well.

16 Any other questions? Thanks.

17 PRESIDING MEMBER ROSENFELD: Let's go
18 ahead.

19 MR. JOHNSON: This is Doug Johnson again
20 with CEA. I just want to back it up, unless we
21 forget the point here. What's been suggested by
22 PG&E and others, and the Commission Staff in its
23 report, is to take a portion of tvs off the
24 market. And what we want to illustrate and what
25 we were trying to illustrate in this first part of

1 the presentation was the dire and negative
2 economic impact of that other, I think brutal,
3 approach to trying to save energy.

4 There are better ways, and we will talk
5 about that in the last segment of our
6 presentation.

7 Before we get to that I'd like to
8 introduce the next speaker, Bob Smith with AVAD.

9 MR. SMITH: Members of the Commission,
10 thank you for giving me the opportunity to speak
11 today. I sort of feel like a kid who was raised
12 by wolves and suddenly is --

13 PRESIDING MEMBER ROSENFELD: I'm sorry,
14 Bob, he introduced you as Bob Smith from something
15 which I didn't catch.

16 MR. SMITH: AVAD, and I'll --

17 PRESIDING MEMBER ROSENFELD: You're
18 going to tell us what --

19 MR. SMITH: I'll tell you about AVAD
20 after I get done with my wolf story.

21 (Laughter.)

22 MR. SMITH: But I kind of feel like a
23 kid who was raised by wolves, and suddenly I come
24 into town and I find out all these things that are
25 going on that will have some impact on me that I

1 would like to talk about.

2 AVAD is the largest distributor of
3 consumer electronics in the United States. We
4 have 39 locations in Canada and the United States.

5 We primarily focus on residential; we
6 call them CE products, but they're really home
7 theater products. And our world is a world of 40
8 inch video displays and bigger.

9 In California last year we sold about
10 \$30 million worth of video displays. We have six
11 locations in California, and our headquarters are
12 here in Van Nuys.

13 The home theater phenomenon is driven by
14 one thing, and that is large screen, high def
15 displays. That has created an overwhelming demand
16 in this state, in every state, in Canada and
17 around the world for this home theater
18 environment.

19 Our customers, and let me get this
20 straight, we are not a retailer, we sell only to
21 dealers and installers. We have a dealer or
22 installer base in the state of approximately 1800
23 people who buy consistently from us.

24 They don't have a retail space; they
25 don't have a showroom. All of their business is

1 by referral. All of their business focuses around
2 40 inch and larger video displays. That is the
3 anchor of their business.

4 If you -- and I, you know, I'm not going
5 to speculate on what is going to happen in the
6 future. I'm only going to talk about right now,
7 but our tech guys sat down and we went through the
8 StarEnergy site and looked at the wattage ratings
9 for all video displays in there. I can tell you
10 that as of this date, if nothing changes, 50
11 percent of the displays that we sell will not meet
12 the 2013 standard.

13 The only ones that will do, currently,
14 are 40 inch screens. Anything bigger than that
15 will not.

16 I think it's great that JVC and Sony are
17 working on energy efficient sets. So are the
18 other manufacturers, as well. Unfortunately they
19 don't sell to distribution. So we are not looking
20 at the opportunity to move to sets that already
21 are.

22 If you look at the 2011 standards, 30
23 percent of the displays we sell won't make it.
24 And that's essentially from the larger screen size
25 and up.

1 So, --

2 PRESIDING MEMBER ROSENFELD: What year
3 standards, Bob?

4 MR. SMITH: Pardon?

5 PRESIDING MEMBER ROSENFELD: If you look
6 at them, which standards -- which year did you
7 just quote?

8 MR. SMITH: The 2011 is 30 percent; 2013
9 is 50 percent.

10 MR. TUTT: And do you sell LCDs, as well
11 as plasma?

12 MR. SMITH: We do.

13 MR. TUTT: And DLT rear projection?

14 MR. SMITH: We do, but, you know, rear
15 projection is really not an issue anymore because
16 it's a dead product. The real focus these days
17 are flat screens, either plasma or LCD, or the
18 progeny of those technologies.

19 MR. TUTT: An earlier presentation by
20 Alex had a 52 inch Sony that met the tier two
21 standard. I'm wondering if that's one of the ones
22 that you would sell, or --

23 MR. SMITH: Sony doesn't sell to
24 distribution; they sell directly to retail. So, I
25 mean I'd like them to, but, you know, that's their

1 business model.

2 If you look at the 50 percent scenario,
3 to us, that being AVAD, we'd lose about \$15
4 million in display sales in a year. Sales tax,
5 the loss to the State of California, on that, when
6 you add what the dealers will add onto what they
7 buy from us at, is about \$1.3 million.

8 The real issue for us is that the video
9 display, while the anchor of the products that our
10 customer buys, really is only about 30 percent of
11 what they buy from us. Because they're putting
12 together a whole system. These are systems that
13 get installed in the wall; they're running ac in
14 the line; they're going to have audio or another
15 tv in another room. So it's really a system, and
16 they need an installer.

17 Video displays typically are about 30
18 percent of their total system value. So, when
19 they come to us, yes, we'll lose \$15 million in
20 direct display sales, but we'll also lose \$45
21 million in associated product sales.

22 PRESIDING MEMBER ROSENFELD: Of course,
23 one possibility is that you find some compliant
24 display sales and keep your wonderful business.

25 MR. SMITH: That's right. We carry top

1 name brand stamps on Panasonic, Sharp, the major
2 manufacturers. And those are the ones that are
3 available to us to sell.

4 Many manufacturers have restrictions on
5 who they sell to. Sony sells directly to their
6 dealers and retail. They wouldn't sell to us even
7 if we asked them to. JVC is the same thing.

8 So, we have major players who are all
9 working on energy efficiency, but I'm only looking
10 at the facts that are right here in front of me as
11 I look at what we're selling and what compliance
12 is.

13 MR. HUNGERFORD: Just let me be clear of
14 the numbers you have on the screen here.

15 MR. SMITH: Sure.

16 MR. HUNGERFORD: And they assume that if
17 50 percent of the displays you're selling, 50
18 percent of the models that you carry are
19 noncompliant, that you'll lose 50 percent of your
20 sales?

21 MR. SMITH: Yes. And that's actually
22 conservative --

23 MR. HUNGERFORD: Okay, is that
24 realistic? They wouldn't substitute other
25 products like Commissioner Rosenfeld suggested?

1 MR. SMITH: Like what --

2 MR. HUNGERFORD: Your retailers wouldn't
3 -- your dealers wouldn't --

4 MR. SMITH: I'm not a retailer.

5 MR. HUNGERFORD: -- say -- your dealers
6 or your installers wouldn't say here's one that we
7 can sell you; here are nine models. Instead of
8 here are 18 models.

9 MR. SMITH: Not if they're buying from
10 us. The models that we have that we offer for
11 sale, at 50 percent is conservative. The only
12 reason that is 50 percent is because the 40 and 42
13 inch models make it today, four of them do.

14 The 50 inch and above that we sell don't
15 make it. They're not compliant. So to say we're
16 going to lose 50 percent of our sales, when our
17 real revenue drivers are 50 inch and larger video
18 displays, I think it's a conservative statement.

19 The dealer who comes to us buys his
20 products from us for many reasons. One of which
21 is we give them leverage because we buy in
22 quantity from a lot of manufacturers so he get
23 cost breaks. We maintain inventory so he doesn't
24 have to. So there's a nice symbiotic relationship
25 between what we do and our customer base.

1 But the consumer, for high def, is not
2 going to, first of all, buy from us anyway. He'll
3 buy from a dealer. But they're not going to
4 settle, and this is a little bit -- I'll jump
5 ahead a little bit, but they're not going to
6 settle for something smaller.

7 If they see a 55 or 60 inch video screen
8 my guess is they'll get it. I mean half of our
9 sales are shipped sales. They call in or get us
10 on the internet and we ship.

11 There are three giant national
12 distributors, Capital Sales, DBL and Petra, that
13 sell directly to dealers in California, anyplace.
14 And if you buy three 50 inch flat screens they'll
15 ship for free.

16 So, I want to get to that about the
17 economic impact on what happens to the installers
18 of these.

19 But chiefly looking at the dollar
20 figures, if you look at -- these numbers are based
21 on surveys we take of our dealers. We know from
22 talking to our dealers that we actually account
23 for about 40 percent of distribution sales in
24 California.

25 So, if you look at extrapolating out

1 what total distribution sales alone are, you're
2 talking about sales loss, tax loss on displays
3 only of about \$3.3 million, based on overall sales
4 of 45 million. That's all distribution.

5 Associative sales, the tax loss is \$8.4
6 million through all distribution based on \$112
7 million in total associative sales.

8 If you look at all sources, because we
9 know our dealers buy from distribution, only 40
10 percent of the products they use in the home. So,
11 for example, they may buy their wire direct or
12 something else. But we know they buy about 40
13 percent from us.

14 If you extrapolate that out you're
15 looking at a tax loss of about \$21 million based
16 on total dealer purchases of \$281 million. And
17 that's if half of them don't work.

18 So, it's significant what the impact on
19 my customers is, and what my company is. So I
20 haven't heard any of that discussed here today. I
21 just want to make sure that I get that in there.

22 This is a distribution model, and
23 nobody's really talked about it. It's great to
24 have rebates and any other promotional materials
25 that you can get to have people buy energy

1 efficient things, but I haven't heard from anybody
2 about rebates or programs that are available to
3 help us educate. I haven't heard from PG&E.
4 Nobody's ever asked us what the impacts on our
5 business would be, or our customers. Or maybe if
6 there's a way to ameliorate the impact by coming
7 together with consensus. So, I just want to share
8 that, again.

9 Give these numbers to you here so you'll
10 know that there is a significant impact to us.

11 PRESIDING MEMBER ROSENFELD: One small
12 question.

13 MR. SMITH: Sure.

14 PRESIDING MEMBER ROSENFELD: Aren't you
15 eligible for a PG&E rebates? Or are they just so
16 tiny in your price range that they don't make any
17 difference?

18 MR. SMITH: No, I -- as near as I can
19 tell they're only available to retailers.

20 PRESIDING MEMBER ROSENFELD: Retailers,
21 okay.

22 MR. SMITH: And as I can guess is
23 they're pushing the big box retailers. Where
24 they're not talking to distribution --

25 PRESIDING MEMBER ROSENFELD: Yeah, no,

1 retailers only, okay.

2 MR. SMITH: I'm really concerned that
3 the biggest detrimental effect isn't necessarily
4 the loss of sales to AVAD. It would be
5 catastrophic. But the majority of our customers
6 it would be devastating.

7 My typical customer is a small business
8 with three to ten employees, doing between \$1.5
9 and \$3 million a year. They don't have a
10 showroom; they don't have a retail space. So, if
11 you take four or five items off of their shelf,
12 they don't have any fallback position.

13 They're in the market of selling big
14 screens. And if they can't give the customer what
15 the customer wants, the customer will find
16 somebody else who will.

17 And what we're looking at is our 1800
18 dealers in California would be out of business or
19 forced to go into a grey market situation.
20 Without large screen displays they have nothing to
21 sell. With nothing to sell, they're going to go
22 out of business, or they're going to say, you know
23 what, I got a mortgage, I got kids in school, I
24 will find a way to get that customer what they
25 want.

1 And they'll go and call Petra or DBL, or
2 they'll go to Amazon online. And if they don't --
3 even if Amazon restricts sales in California,
4 Amazon has a purchase box that circulates four or
5 five internet vendors that will sell you in
6 California.

7 So, we're forcing these guys to either
8 go out of business, or to engage in quasi-legal or
9 absolutely illegal activities.

10 So, the loss to AVAD for us is, I can
11 tell you flat out, we'd have to close all six
12 locations. If we can't sell big screen videos and
13 we can't sell them at the levels we do today,
14 we're going to have to cut.

15 That means to us, if you look at the
16 1800 conservative dealers that just deal with us
17 that would be out of business, you're talking
18 about 3900 people. That's installers, dealers and
19 distribution employees who are out of work.

20 A grey market is created in California
21 for large screens purchased by California dealers
22 through the internet will create enforcement
23 problems and challenges for the state, as well as
24 additional loss of sales revenue.

25 I mean, I've looked into some of the

1 earlier workshops and read the comments, because
2 to tell you the truth we only found out about this
3 about 30, 40 days ago.

4 But I'd like to comment a little bit on
5 the issues of this blackmarket or internet
6 purchasing. If you effectively outlaw otherwise -
7 - sales of large screen displays, consumers and
8 installers will buy online. Consumers, because
9 that's what they want. And installers, because
10 that's what they'll have to do to survive.

11 Fifty percent of our business, like I
12 said, is shipped. And we went through the three
13 largest distributors. They'll sell online.
14 Consumer sites, there are literally hundreds of
15 consumer sites where a consumer can buy a large
16 screen television over the internet.

17 So, it isn't an issue of whether people
18 will buy online, they already do. Large screen
19 tvs will continue to be added to the California
20 power grid. They will get into this state. They
21 will be installed and they will be sucking power
22 night and day.

23 The only thing is that we will not have
24 the tax benefit of that; we will effectively have
25 put several thousand people out of work; and still

1 have the burden of supplying power.

2 So, I'm hoping that the Commission is
3 open to perhaps some of the ideas that CEA is
4 presenting. Because I can tell you from the
5 distribution viewpoint, and speaking on behalf of
6 my customers, I think they have some alternatives
7 that merit consideration.

8 And, believe me, I am a hundred percent
9 behind finding a way to make everything we use
10 more efficient. I live in the state, you know, I
11 like to hike, I like clean air, I like all the
12 stuff. I totally support this program.

13 The only thing that I don't support is
14 such a Draconian approach that has not given
15 consideration to the impact on my company, my
16 industry or my customers.

17 PRESIDING MEMBER ROSENFELD: I guess my
18 problem is obviously you have to stay in business,
19 you have a good business. I just don't understand
20 technically why you can't get your hands on
21 complying large screen tvs.

22 MR. SMITH: It's --

23 PRESIDING MEMBER ROSENFELD: Now, it
24 seems to be a technical or marketing issue between
25 you and the wholesalers, which I just don't

1 understand.

2 So, you know, it seems to me the crucial
3 point you still haven't explained to me.

4 MR. SMITH: The main reason -- well,
5 it's not the main reason, but the difficulty in
6 doing it is that the two manufacturers, for
7 example, that have been touted here today, JVC and
8 Sony, will not sell to distribution. They do not
9 sell to wholesalers. That's their business model.
10 They choose not to do that. They sell directly to
11 end users or -- not end users, but retail or
12 independent dealers.

13 MR. TUTT: That may be, but I believe
14 that there have been other manufacturers that have
15 been noted in some of the earlier presentations,
16 Samsung and --

17 MR. SMITH: We sell Samsung. We sell
18 Panasonic. Samsung and Panasonic are in those
19 figures I gave you on compliance, based on the EPA
20 website.

21 MR. TUTT: And I think that if you look
22 at the data in the charts from the earlier
23 presentations, certainly there are more EnergyStar
24 compliant models and more tier one and tier two
25 compliant models with lower screen sizes.

1 MR. SMITH: There's certainly may be,
2 but certainly with lower screen sizes.

3 MR. TUTT: Yes.

4 MR. SMITH: My world is not a lower
5 screen size world.

6 MR. TUTT: I understand. I think that
7 data reflects the models available today. I think
8 what we're all looking for, nobody, I think,
9 intends to say you can't buy a large screen tv in
10 California. We're intending to say that if you
11 do, you have to include these technology
12 improvements that are coming along, have to be put
13 in place so that your large screen tvs are
14 efficient.

15 MR. SMITH: That's true. I totally
16 agree with you, and I would suggest that
17 regulation is appropriate. However, the alacrity
18 with which it means to be imposed, I mean I heard
19 from the Natural Resources Defense Council that we
20 need to do it now, because we've dallied long
21 enough on this.

22 Well, to me, this is the first time I've
23 had an opportunity to speak. And if you're
24 talking about impacting unemployment for these
25 people, and loss of sales tax, I don't think that,

1 you know, that I would suggest that we need to
2 hurry to a decision today without getting more
3 impact from the industry on what, in fact, other
4 available avenues are for us.

5 PRESIDING MEMBER ROSENFELD: Well, it
6 does seem to be a case -- it does seem to be that
7 the analysis has to be on how fast 50, 60, god
8 knows, 70 inch tvs can be made compliant. As soon
9 as they're made compliant, all your dire problems
10 go away.

11 MR. SMITH: Absolutely. But what I hear
12 is a lot of conjecture about what will happen, and
13 putting faith in technology because of shows that
14 they've seen these displays on.

15 I've been in this business 20 years.
16 I've been to plenty of shows. I can see something
17 a manufacturer tells me, this is the greatest
18 latest thing; we'll be shipping in 30 days.
19 Eighteen months later it rolls into our warehouse.

20 So, you know, I love the manufacturers;
21 I love PG&E; I love them all, but I live in the
22 now, not in the conjecture of what may happen in
23 the future.

24 PRESIDING MEMBER ROSENFELD: Okay.

25 MR. SMITH: Thank you very much.

1 PRESIDING MEMBER ROSENFELD: Alex Chase,
2 you're waiting to make some comments, I think.

3 MR. CHASE: Alex Chase with Energy
4 Solutions representing PG&E. I did want to
5 mention, I think it was well aware, that we
6 highlighted many different manufacturers, JVC,
7 Vizio being just two of the examples the gentleman
8 from AVAD mentioned.

9 He specifically mentioned Samsung. I'd
10 like to call out slide 24, the display week
11 conference. Samsung had a 52 inch television and
12 a 46 inch television, both showing upwards of 50
13 percent reduction in cost. And, again, these are
14 the large screen sizes that he's mentioned.

15 We have several other examples, and I'd
16 be happy to work with you in terms of specific
17 manufacturers that are available through your
18 distribution channel, and provide examples of new
19 efficient technologies that, quite frankly,
20 manufacturers are touting and competing to offer
21 the greenest television at the recent display --

22 PRESIDING MEMBER ROSENFELD: Could you
23 say -- you just mentioned three models, Alex, that
24 comply. Could you repeat again the sizes of
25 those?

1 MR. CHASE: The Samsung 52 inch
2 television, and a Samsung 46 inch television.
3 Both shown on slide 24 of my presentation.

4 PRESIDING MEMBER ROSENFELD: Thank you.
5 Noah Horowitz.

6 MR. HOROWITZ: Noah Horowitz with NRDC.
7 The economist from CEA, I just want to make sure I
8 understand the assumptions. This question is
9 directed to him.

10 Are you -- in your assumptions you
11 assume the standards will result in lower cost
12 tvs?

13 MR. KLINE: No. We didn't discuss this.

14 MR. HOROWITZ: So, let's say a 47 inch
15 tv, are you saying after the standard that tv will
16 cost more or less? I need to understand this.

17 MR. DuBRAVAC: So looking at the data
18 that we all have available, just the data from
19 EnergyStar 3.0 data, those that qualify and those
20 that don't qualify, comparing those two pools of
21 sets, the ones that do qualify are less expensive.

22 MR. HOROWITZ: My question is if you
23 have 47 inch tv by manufacturer X, and then you
24 make it comply with the standard, are you assuming
25 an incremental cost? Because that's the real

1 question.

2 MR. DuBRAVAC: Right. So, none of that
3 data's available from the EnergyStar database, so
4 we're not guessing what it is. We do know in the
5 Vizio letter that you highlighted that they do say
6 it is more expensive to make these sets comply.

7 So there is an incremental cost to make
8 them comply. And we're getting that from the
9 Vizio letter. That's the first that I've saw a
10 manufacturer say it'll be more expensive. But --

11 MR. HOROWITZ: So if there's a higher
12 incremental cost, then more money would be coming
13 in to these retailers. I'm confused. I want to
14 hear directly you saying you're assuming no
15 incremental cost for a more efficient tv? It's
16 going to cost more or cost less? Because that's
17 step one in running a model, right?

18 MR. KLINE: They're different sets.
19 They're not the same set. The --

20 MR. DuBRAVAC: Yeah, I think you're
21 comparing apples and oranges.

22 PRESIDING MEMBER ROSENFELD: I'm with
23 Noah, I don't -- if we don't understand the
24 assumptions, then it's hard --

25 MR. KLINE: Excuse me, this is Dave

1 Kline. The deluxe sets, which are the higher end
2 sets that we're talking about --

3 PRESIDING MEMBER ROSENFELD: The what
4 sets?

5 MR. KLINE: -- are more expensive
6 because of the significantly increased technology.
7 For example, in my product line our initial sets,
8 there are three of them who share the same common
9 chassis and video processor.

10 With our own high performance video
11 processor there's between a 15 and 25 watt
12 difference between those two products for a
13 deluxe, higher performance, better picture
14 quality video processor. Okay.

15 That's the difference why the
16 noncompliant sets are typically the more deluxe,
17 higher end sets, rather than the additional video.

18 For example, that video processor, that
19 puts up 35; that might bring it over the line, if
20 it were not as efficient as our JVC models are,
21 where it still complies. But there is the 15 to
22 25, depending on the screen size, watt penalty.

23 And that's why I think deluxe sets,
24 higher audio packages, 5.1 surround-sound built
25 into that more expensive tv, which is the

1 noncompliant set that we're talking about, I
2 think. Does that clarify why those noncompliant
3 sets are actually more expensive.

4 MR. HOROWITZ: Yeah. All I'm asking for
5 is transparency here. Please provide, or we would
6 appreciate seeing the assumptions you made
7 starting with a regular tv that is or isn't
8 meeting the standard. What's the incremental cost
9 together? Is it higher or lower? And the model
10 seems to say that tv prices are going to go down
11 and people are going to smaller tvs. And I just
12 don't see it. So, that's my request.

13 Secondly, any model in terms of economic
14 impact I think needs to include the operating
15 costs. So we'd like to go on record challenging
16 these numbers, and saying we need to see the
17 electricity bill savings.

18 And also, as you well pointed out,
19 there's a multiplier. So for each dollar people
20 save there's additional money that can be invested
21 in California.

22 So I just wanted to point those two
23 things out.

24 MR. DuBRAVAC: Right, so I just want to
25 note on the multiplier effect, in electronics

1 retailing, generally, and that's where the impact
2 is showing up for the most part. And you've heard
3 from some of the specialty channels, specifically.

4 They tend to have, in a typical retail
5 environment, more employees because it's much more
6 of a --

7 MR. KLINE: Custom.

8 MR. DuBRAVAC: -- yeah, custom value
9 oriented approach. So if those sales were to go
10 to a different channel where there's less
11 employees, you know, per dollar of revenue, that's
12 where some of those job losses show up.

13 So even if you take into account, you
14 know, the money staying in the industry but going
15 to a different channel, then you still end up with
16 job losses.

17 PRESIDING MEMBER ROSENFELD: Yeah, I
18 know I sound like a broken record, but I don't
19 think the problem is that people are going to not
20 be able to buy home theaters. I think the problem
21 is why can't you get 52 inch screens that comply.
22 It's a technological issue as far as I can see.

23 MR. JOHNSON: Commissioner, if I can
24 jump in here. It's Doug Johnson at CAE. The
25 issue is very much the adverse economic impacts of

1 the desire to take a significant portion of tvs
2 off the market in the name of saving energy. That
3 has unfortunate consequences for the distribution
4 channel.

5 We've just heard from a distributor. I
6 would like to give a chance for the other folks in
7 our presentation team --

8 PRESIDING MEMBER ROSENFELD: Sure.

9 MR. JOHNSON: -- to give their
10 perspectives, as well.

11 Next up I'd like to introduce Jim
12 Palumbo who is going to give some comments on
13 behalf of Wilshire Entertainment from southern
14 California who could not be here today.

15 MR. PALUMBO: Thank you, Doug. Good
16 afternoon, everyone. My name is Jim Palumbo; I am
17 President of the Plasma Display Coalition. Its
18 members are Hitachi, LG, Panasonic and Pioneer.
19 And I'm not here as a plasma advocate particularly
20 on this day; I'm here to represent our members and
21 really the industry, not only of plasma devices,
22 but of LCD.

23 A few clarifications, if I might, maybe
24 going back a moment. There is, as Dave pointed
25 out, a difference between a higher performing

1 television set and a lower performing television
2 set. And I think Alex had shown on one of his
3 charts, the difference is one does use less energy
4 and one does cost less money.

5 And it is those higher performing
6 television sets that Bob Smith was talking about
7 in his presentation. Can he get lower priced tv
8 sets that use less energy? The answer to that is
9 probably yes, he could, through some of his
10 manufacturers.

11 But the difference is his customers and
12 his installers and the end users in the State of
13 California are not demanding those kinds of tv
14 sets. They're demanding the higher performing tv
15 sets, ones that provide more profit, more dollar
16 sales and all of the other areas that he put up
17 that would make it detrimental to his business.

18 Mike McCaster, who is President and CEO
19 of Wilshire Home Entertainment, can't be here
20 tonight, unfortunately. I wish he was. But he
21 has a similar circumstance. He is a independent
22 retailer, and independent specialist. He derives
23 most of his business from the higher end from all
24 of the manufacturers of Sony, Panasonic, JVC and
25 others.

1 He's been in business since 1954. He
2 employs 50 people. He has two warehouses. And as
3 he indicates here, it's already difficult for him
4 as a California entity, to be an employer in the
5 industry. The industry has already been hit hard
6 in California with price compression, not only
7 from the CE industry, but from the competition and
8 recession from the housing impact.

9 And his buying group represents \$500
10 million in revenue that's specifically in the
11 State of California.

12 If I can flip this. The chief point
13 about Wilshire TV, 70 percent of his revenue is
14 derived from video sales. Not the low end sales
15 that are represented by CostCo or K-Mart or Sears,
16 or some of the others, but the higher end sales
17 that I don't think anybody in this room has
18 addressed.

19 There is really two different areas of
20 this industry. And I think we have to understand
21 why there are two areas of this industry, and how
22 that second area that nobody's addressed is
23 impacting the custom installer and the independent
24 specialist.

25 Seventy percent of the revenues are

1 derived from video sales, that's the high end
2 business. Twenty-five percent of those sales go
3 back to the community in payroll. Another 20
4 percent of the sales get paid to local businesses;
5 45 percent of the revenue supports the local
6 community in southern California. And that
7 doesn't include fixed assets we purchase, like 14
8 vehicles and two stores that cost \$500,000 each to
9 build.

10 Flat panels are the technology that
11 drives the business. Mike had commented over the
12 phone about two weeks ago that if this goes into
13 effect, with the composition of his company, of
14 the high end products and residual sales he gets
15 from selling these high end products, he might as
16 well take his name, after almost 55 years, off the
17 door, close up, fire everybody and go home.

18 That's the impact he has. And he is
19 willing to show you the impact on a P&L, his
20 balance sheets and others, on how this will come
21 down if you end up taking 25 percent of the most
22 higher end products off the market, as suggested
23 by PG&E, and as put out by -- as defined by, I
24 guess, Noah Horowitz and others.

25 There is a difference in the businesses.

1 So, with that, I've asked -- I think we're on to
2 one of the other dealers --

3 MR. JOHNSON: Yes.

4 MR. PALUMBO: There is something that we
5 will get on to. I think Commissioner Pfannenstiel
6 asked for an acceleration, a DTV acceleration
7 program, and I think toward the end of this
8 discussion our industry can make a recommendation
9 to the State of California that eliminates the
10 downside risk of putting a lot of these
11 independent installers and dealers out of business
12 meets your goals and accelerates the business in
13 the State of California, and maybe that could lead
14 the United States.

15 And I'm hoping that all of the
16 Commissioners up there, and the others who are
17 asking to eliminate 25 percent of the tv sets from
18 the market to give our proposal some very serious
19 consideration. And hopefully we can sit around
20 the table, like we may probably should have done
21 in the beginning of this whole process, to make
22 this process move for the benefit of all of the
23 stakeholders, not just a few.

24 Because there is a serious business
25 issue, which I think you have to understand.

1 Thank you.

2 PRESIDING MEMBER ROSENFELD: So who's
3 going to outline your proposal?

4 MR. PALUMBO: I will when we go
5 through -- I will make a recommendation on behalf
6 of all of our members of the industry, CEA, that
7 we've agreed might work if everybody gets
8 together. But I think before that, too, there are
9 a few other retailers in here representing not
10 only the installers and the independent
11 specialists, but also some of the major retailers.
12 I think you need to hear their comments, as well.

13 Thank you.

14 MR. JOHNSON: This is Doug Johnson,
15 again. Next I'd like to introduce Leon SooHoo
16 with Paradyne here in Sacramento.

17 MR. SOOHOO: Thank you for the
18 opportunity to address this Commission. What's
19 appearing to be missing is the understanding of
20 the consumer electronics market. I've been in
21 business for 32 years. I've got 32 employees.
22 And I've seen evolution in consumer electronics.
23 I see businesses go under and come on, and the big
24 companies leave us.

25 But what has happened in the consumer

1 electronic business is that the independent
2 dealers, small businesses like my size, and
3 smaller, cannot compete against Best Buy, Circuit
4 City and internet sales. Just cannot.

5 So how do we compete? We compete by
6 selling performance, the best tv there is on the
7 market. That's how we make our living. Our
8 customers come to us for that. They demand that
9 from us. If we tried to sell the same tv as
10 Costco we couldn't be in business. We could not
11 provide it.

12 The other thing that we do is that we
13 are leading edge and integrating electronics into
14 the home. This is a very important channel for
15 the State of California, for the healthy nature of
16 our channel. That is we are integrating lighting
17 controls, home automation, energy conservation,
18 environmental control, and television is one major
19 aspect of that.

20 So I just want to make clear that we're
21 not just talking about television. Just as the
22 whole ecosystem is the total environment in the
23 home. But the television is extremely important.
24 That's a key element that consumers look at.
25 That's the key element that allows us to make the

1 deal, and make the contract.

2 What I'm fearful of, to tell you the
3 truth, is I don't believe manufactures is going to
4 manufacture the highest performance tv exists in
5 the State of California. They manufacture the
6 global market. And we know that, because we've
7 been dealing with this.

8 The other thing is I'm concerned with,
9 the high performance tv, you know, the consumers
10 read magazines, they read reviews. They go on the
11 internet; they look at what other people are
12 saying. People who want great performance home
13 theaters or they want that television set that we
14 sell, they're going to get it.

15 What's unfortunate is if it's available
16 online or in Reno or in Las Vegas, they're not
17 going to buy it from me. Deprive me of the
18 opportunity to make a profit, and deprive you, the
19 State of California, from actually collecting
20 sales tax.

21 No one talks about performance. Number
22 one reason the people buy a television is
23 performance, what they see on their eyes. When
24 they walk in the store, and I have a store, I have
25 two stores -- we have high performance tv, I have

1 regular television, and I see what consumers look
2 at when they come into the store.

3 There's a reason why manufacturers set
4 the high, vivid line in my store. Because a
5 standard looking dim tv, customers won't buy it.
6 No matter how much you try.

7 Sharp, you know, we're a Sharp dealer.
8 We have a hard problem selling Sharp. Sharp
9 doesn't look very good on the floor. We had a
10 meeting with their upper management and they say
11 they realize the reason why the Sharp doesn't sell
12 well is because the picture doesn't look good in
13 the store. And they're trying to address that.

14 So, be aware there's a real problem with
15 this. And I commend JVC, but they are taking a
16 definite risk. Because you put a JVC, and you put
17 another like Mitsubishi or someone else that has a
18 vivid picture, you know, they won't have a change.
19 Even with the EnergyStar.

20 EnergyStar is think is on our third
21 reason why people will buy. And number one reason
22 is the picture performance. That's really the key
23 element here, I want to mention that to you.

24 What I'm fearful of that is the
25 California will not be able to regulate the

1 importation of television sets out of state. Now,
2 if you buy it over -- we're competing hard against
3 the internet sales right now. A brick-and-mortar
4 store, like myself, have a high overhead; we have
5 infrastructure; we have healthcare. We have all
6 the other issues to keep our people employed, and
7 we have to contend with the discount prices on the
8 internet and the fact that they don't collect
9 sales tax put us at a major disadvantage.

10 So the inability to obtain the higher
11 performance television is going to have a huge
12 ramification. So I just want you to be aware of
13 that.

14 I'll do whatever I necessarily need to
15 do to survive, because we're out on the front
16 line, we have to do what's necessary to do to make
17 a living. And I'll tell you some of the things
18 that was going through my mind as I was thinking
19 about this issue.

20 All right, if my customer comes to me
21 and say I want this television because I have read
22 about it, and says, it's the best tv and I want
23 it, price is not an issue.

24 What I'm going to have to do is refer
25 them to a buddy of mine in Reno and say, buy it

1 from him. I'll install for you. That's what's
2 going to happen. So I just you to be aware of the
3 other circumstances that I see as their
4 competitor.

5 We are a very important channel. We're
6 all those small operation, you know. Bob Smith
7 with AVAD. I buy from AVAD. I happen to have a
8 store. But there's a huge number of workforce out
9 there installing all these gadgets and making sure
10 the home theater works and, you know, television
11 is not a simple just plug it in market anymore.

12 You know, for a long time there people
13 were buying high definition and think they were
14 watching high definition in their set top box, and
15 they were not. They didn't know it. So we go in
16 there and fix it, make sure they have a great
17 performance out of it.

18 So, our channel is important. Best Buys
19 don't do that very well. You know, Circuit City
20 don't do it very well. The independent is a
21 service for high cost operation. And when you
22 say, well, these jobs, you know, I tell you, our
23 guys are not high paid. But they love doing what
24 they're doing. And I hate to lose them to other
25 people for that.

1 So I just want to make that statement to
2 you. Thank you.

3 PRESIDING MEMBER ROSENFELD: Again, I
4 think independent, high quality work is wonderful.
5 Your problem is you need to be able to get
6 efficient, large, high performance tvs.

7 MR. SOOHOO: Yes, I do. If they are
8 available in California, then it's fine. I'm
9 concerned with if they're not available in
10 California they'll cross the state line. I'm at a
11 major disadvantage. That's all I'm stating here.

12 MR. JOHNSON: Commissioner, I'd like to
13 introduce our next speaker to keep this moving
14 along so we can open it up to questions to the
15 whole group, if I may.

16 PRESIDING MEMBER ROSENFELD: Yes,
17 please.

18 MR. JOHNSON: Next I'd like to
19 introduce, and since so far we've heard about the
20 adverse impact of the Commission Staff's proposal
21 on retailers and distributors, particularly the
22 specialty and independent retailers, next I'd like
23 to talk about the installers and the impact on
24 that community that Leon referred to a moment ago.

25 So, I'd like to introduce Gerry Demple

1 with CEDIA, who will give the next presentation.

2 MR. DEMPLE: I'd like to thank the
3 Committee. My name is Gerry Demple. I'm here in
4 two capacities, one is as Chairman of the CEDIA
5 Government Affairs and Action Team; and the other
6 is as a representative of a California business,
7 Andrews Electronics.

8 CEDIA is a trade association that
9 specializes in planning and installing electronic
10 systems in the home. We have, in California we
11 have over 540 members. Those 540 members break
12 down into the categories you see on the screen,
13 which is residential electronic systems
14 contractors, including the independent retailers
15 and installers.

16 That's the biggest chunk. The next
17 biggest is manufacturers, and then distributors,
18 sales representatives, professional services and
19 affiliates. But the important part is the top
20 part of that is the biggest chunk of our
21 membership.

22 Of those 540 members, they have tens of
23 thousands of employees between the organizations.
24 And they are a vital part of small business in
25 California.

1 The impact of the mandate to those
2 businesses are similar to what we've been talking
3 about here earlier, what Leon was talking about,
4 what most of the other representatives of our
5 group. And that is that high performance product
6 that is not going to be available because it does
7 not meet that mandate, will adversely affect and
8 disadvantage those CEDIA members.

9 And we believe that's real. And, you
10 know, you can go back and forth on where that
11 measurement is, but it is no doubt -- there is no
12 doubt about it that it's a performance product,
13 like was explained here earlier, that will not be
14 available and will be a great market product these
15 installers -- the customers are going to want
16 specific things. And that will result in a loss
17 of sales and tax revenue.

18 We believe that's a significant impact
19 to the employment in this group. And CEDIA
20 members are typically small, anywhere from six to
21 ten employees per company. So they're not large;
22 and a small decrease in sales impacts them a lot.
23 A 10 percent decrease in sales could require them
24 to have to have a significant -- or, I'm sorry, a
25 10 percent decrease in sales on their high margin

1 can result in a model where they're reducing
2 employees. As well as, in some cases, probably,
3 you know, closing their doors.

4 So, it is a big impact. And we believe
5 that our membership will be very adversely
6 affected by just a straightforward jump into this.

7 And, you know, that would put the
8 California members of our group at severe
9 disadvantage.

10 The company I represent, Andrews
11 Electronics, we've been in business since 1950.
12 We're based in Santa Clarita, California; we're
13 North America's largest distributor of repair
14 parts. Repair parts logistics, we do repair,
15 refurbish and asset recovery, as well. We employ
16 over 125 people in California.

17 So the impact on Andrews Electronics
18 goes back to that independent retailers and
19 installers. Many of those will contract or do
20 their service and acquire parts for those repairs
21 for us.

22 What we've found is that the higher end
23 product is more likely to be repaired, so the more
24 performance product people are going to more
25 likely spend the money to repair down the road.

1 If it's a less performance product or a
2 lower end product or a less costly product, people
3 are more likely to replace it. And so that we
4 believe in that channel would adversely affect our
5 business.

6 It would affect what we sell through
7 other distributors, because we act as the
8 secondary distributor for many of the other parts,
9 smaller parts distributors.

10 And it would ultimately affect the small
11 servicers. And the servicers are even smaller
12 typically than the typical CEDIA type member.
13 They're going to be in, you know, maybe a company
14 that's three, four, five people that come to your
15 home and repair your tv. There are some large
16 service organizations, too, but there's lots and
17 lots of small ones throughout California.

18 And that's my presentation.

19 MR. TUTT: One question, I guess -- go
20 ahead, Art.

21 PRESIDING MEMBER ROSENFELD: No, go
22 ahead.

23 MR. TUTT: You're basing, I think, some
24 of your statements here, which sound dire, on the
25 tier two standard, correct, that we're proposing.

1 And that has an effective date of, as proposed,
2 January 1, 2013. That's like four years from now.

3 If you look back four years from today
4 were you selling pretty much the same tvs then as
5 you are today? You've been in business a long
6 time and I know there's lots of innovation in the
7 tv industry. So, things change pretty quickly,
8 don't they?

9 MR. DEMPLE: They do change pretty
10 quickly. And there's two things about that. One
11 is there's a call for acceleration of that
12 already.

13 MR. TUTT: Yeah.

14 MR. DEMPLE: So that's a big concern.
15 And moving those dates much sooner.

16 And the other is yes, the technology
17 changes. You've seen it, you've heard it from the
18 manufacturers, but we're guessing. We're guessing
19 without the kind of data that tells us that, yes,
20 we'll be able to get those high performance
21 products to that without hitting that date and
22 still being, you know, you can take electric cars,
23 you know, they've made huge strides. But there
24 are still some insurmountable things.

25 MR. TUTT: Yeah.

1 MR. DEMPLE: Maybe tomorrow somebody's
2 going to find something that just gets it over the
3 top. But today we can say for sure.

4 And so that's, you know, I think getting
5 more information and having further open
6 discussion with everybody to try to come to
7 something that's equitable we're very in favor of.

8 MR. TUTT: We still are in a pre-
9 rulemaking phase here, although we do want to move
10 forward in getting more information. And having
11 more discussions, I think, is useful and
12 envisioned here.

13 MR. DEMPLE: Yeah.

14 MR. TUTT: We've seen a lot of
15 information over the course of this rulemaking
16 about the innovation in the tv industry and coming
17 changes. And we all think that's wonderful to
18 see.

19 It puts us in a little bit of a dilemma
20 because we're looking at adopting standards that
21 have an effective date far enough out that it's
22 reasonable for the industry.

23 But things change so quickly that we
24 kind of have to guess a little bit. I mean it's
25 hard to base it entirely on what's clearly here

1 today because we know that will change four years
2 from now.

3 So we need help guessing as to what the
4 right level is, certainly.

5 MR. JOHNSON: If I may jump in here,
6 Gerry. Doug Johnson with CEA again. You know,
7 the problem with guessing with regulations such as
8 what's being suggested here is if you get it wrong
9 consumers pay in the end. And they either lose
10 the products they want to have, there's an
11 economic cost to businesses here in California.

12 One of the merits of the EnergyStar
13 approach is that if they somehow get it wrong it
14 is a voluntary program. But as you've heard
15 already, EnergyStar perhaps in some view has got
16 it wrong in the sense that it wasn't stringent
17 enough.

18 But there's an out in the EnergyStar
19 program. Products can still be sold. The latest
20 innovations can still come to market.

21 What we want to talk about in a moment
22 is what we suggest for the EnergyStar program,
23 since it's worked so well, is a public policy
24 approach for this sector, for tvs in particular.
25 We want to suggest what might be done with that

1 specification, or the next specification going
2 forward.

3 We have one more component to our
4 presentation here that I'd like to get to. But
5 before we get to this final couple of slides I'd
6 like to invite Heidi Barsuglia with the California
7 Retailers Association, to the table for a moment.

8 MS. BARSUGLIA: Good afternoon. Heidi
9 Barsuglia on behalf of the California Retailers
10 Association. And also today on behalf of the
11 Consumer Electronics Retailers Coalition.

12 Together we represent major retailers
13 such as Best Buy, Circuit City, Radio Shack,
14 Walmart, Sears, K-Mart and Target, as well as the
15 National Retail Federation and the Retail Industry
16 Leaders Association.

17 In the interest of time our members
18 would like to echo the comments of the Consumer
19 Electronics Association, and point out that
20 retailers have been working at the forefront with
21 manufacturers. Some of that evidence was
22 presented here earlier today.

23 And that we are working with them to
24 make more energy efficiency consumer products
25 available. And you will see more and more of

1 those on the shelves as things progress. And we
2 are enthusiastically selling green, particularly
3 in California.

4 Having said that we are in the midst of
5 a deep recession, and consumers and retailers, as
6 you know, are suffering in this current economic
7 climate. The suggestion that consumers would
8 spend savings elsewhere in the store would
9 certainly be a great hope to us, consumer
10 confidence numbers indicate otherwise at this
11 point.

12 Our members do believe that removing 10
13 to 30 percent of existing tvs from the market will
14 cause consumers to purchase tvs online or from
15 neighboring states, leading to store closures in
16 California and retail job loss in California.

17 Using the numbers that we do have we
18 must stress that the retailers believe that this
19 will cause the State of California to lose a
20 significant amount of tax revenue to the state.
21 And we do believe it will lead to a yet more
22 significant number of unemployment in the State of
23 California.

24 So, in this economy, with the State of
25 California suffering the staggering deficit that

1 we are, and with increasing unemployment numbers,
2 we're urging the Commission to please consider
3 other alternatives to pursue energy efficiency
4 standards, all of which are laudable. And we do
5 encourage you to look at the alternatives that
6 will be outlined here shortly. And our members do
7 support those alternatives.

8 PRESIDING MEMBER ROSENFELD: Thank you.
9 I'm getting pretty interested in this proposal.
10 Yes.

11 MR. JOHNSON: Yes, and we've saved the
12 best for last. But, it is very important, though,
13 to hear, of course, about the economic impact on
14 all facets of our industry as a result of the
15 Commission Staff's proposal.

16 Here we'd like to talk about alternative
17 approaches. And I think we've heard some common
18 denominators from all the presentations today.

19 We believe the goal should be energy
20 efficiency. It should not be a regulation or
21 artificial limit or a line drawn across a dataset
22 where we can only guess what might happen, or what
23 might not happen in the future. Let's focus on
24 what we can do today to encourage energy
25 efficiency, and recognize what's been done

1 already.

2 Certainly, among the alternative
3 approaches is the very successful EnergyStar
4 program. I won't spend too long on that, but I do
5 have a couple things to emphasize, as I mentioned.
6 We also want to talk about earlier proposal for
7 data reporting for a moment.

8 The next three ideas, though, do shed
9 some light, I think, on some new opportunities.
10 Automatic power-down requiring all tvs sold to
11 have energy-saving mode. And, finally,
12 incentivizing the purchase of EnergyStar tvs, and
13 incentivizing the replacement of older, less
14 efficient CRT and rear-projection tvs with flat
15 panel tvs.

16 EnergyStar, as we have all heard and
17 recognize, has been widely supported and very
18 successful as a policy approach to addressing
19 energy efficiency in the consumer electronics
20 sector, in its approach to addressing energy
21 efficiency in televisions in particular.

22 It's had a significant and meaningful
23 impact on the marketplace. It has resulted in
24 significant energy savings and carbon emissions
25 reductions that support the California greenhouse

1 gas emission goals that were talked about by the
2 Energy Solutions presenter earlier.

3 The current efforts to promote
4 EnergyStar are these. As we mentioned back in
5 July before the Commission, we want to promote
6 EnergyStar for tvs and make the most of this new
7 specification before and during three very
8 important selling periods, which include the
9 holidays, the holiday sale season that we're in
10 right now, as well as the Super Bowl early next
11 year, followed by the transition to digital
12 television, itself, on February 17th.

13 These are very important opportunities
14 to get the word out to consumers about energy
15 efficiency in televisions and EnergyStar. And so
16 we've taken the initiative, in the private sector,
17 along with the Alliance to Save Energy, to do a
18 media campaign to educate consumers and get the
19 word out about the latest EnergyStar spec and what
20 it means for consumers in terms of energy savings
21 and saving money, as well.

22 Again, we invite the Commission and
23 other interested parties to join in that effort.
24 There cannot be too many voices encouraging
25 consumers to buy efficient products.

1 Finally, we want to note that we have
2 called on -- Consumer Electronics Association has
3 called on the EPA to accelerate EnergyStar tier
4 two in light of the successful impact that the
5 tier one specifications had on the marketplace,
6 and in light of the rapid uptake that we've heard
7 about mentioned earlier.

8 Back in July we suggested an approach
9 that the Commission could take in the near term
10 would be a mandatory reporting of energy use data
11 to the California Energy Commission. As we noted
12 in that proposal, the reporting of data would
13 include, of course, active mode power consumption
14 pursuant to the latest industry standard, along
15 with model numbers and display technology.

16 I do want to make clear, however, that
17 the Commission Staff's report was incorrect in the
18 way it characterized this suggestion. This was
19 not a request for labeling on boxes or products.
20 The energy use disclosures idea will be addressed
21 at the national level by the Federal Trade
22 Commission in 2009 for tvs and other electronics
23 products.

24 Automatic power-down, as an approach, I
25 think has a lot of merit; and Noah Horowitz with

1 NRDC has been a strong proponent of this in energy
2 efficiency discussions within EnergyStar and
3 elsewhere.

4 Automatic power-down is referenced in
5 the Commission Staff's report. And we suggest
6 that the Commission consider an automatic power-
7 down requirement for tvs. Particularly for
8 scenarios where, say, the tv is left on and the
9 video signal is lost, whether that be from a DVD
10 player or a game console and so forth.

11 We envision this as something worth
12 considering because of the significant energy
13 savings opportunity attached to it, of course.

14 A requirement for an energy saving mode
15 was also suggested in the Commission Staff's
16 report. And we also encourage the Commission to
17 focus on this opportunity. That is to consider a
18 requirement that all tvs be shipped and sold with
19 an energy saving mode as a default setting.

20 Certainly the current EnergyStar
21 specification is encouraging this in the
22 marketplace. But there may be an opportunity here
23 for both the Commission and the industry to focus
24 on a requirement.

25 Next I'd like to talk a little bit about

1 the incentivized replacement of older tvs. This
2 is a topic that our industry colleague, Jim
3 Palumbo, will get into in a bit more detail in
4 just a moment.

5 We recognize that there is a PG&E
6 program, a pilot program, underway with utilities
7 here in California, to incentivize the sale of tvs
8 that perform at or better than EnergyStar levels.

9 But we also suggest perhaps a program to
10 incentivize the replacement of older, less
11 efficient CRT televisions and rear projection
12 televisions with flat panel televisions.

13 Both of these programs, the pilot
14 program that's underway, as well as the
15 opportunity to incentivize replacement of older
16 products are opportunities for collaboration
17 between utilities, the California Energy
18 Commission, consumer electronics industry and many
19 other parties.

20 All of this points to a better economic
21 approach. Again, we've heard about the dire
22 economic impacts and the unfortunate consequences
23 of taking a portion of tvs off the market, as PG&E
24 suggested they'd like to take 25 percent of tvs
25 away to save energy. There are better ways of

1 achieving energy savings. There are better ways
2 of achieving energy efficiency.

3 Instead we urge the Commission to
4 incentivize and promote energy efficiency for
5 televisions, stimulate business rather than
6 driving independent dealers and retailers out of
7 business. Increase rather than decrease tax
8 revenues. Contribute to the acceleration of the
9 digital transition, and achieve energy savings and
10 emission reduction goals that were described at
11 the beginning of the presentations this afternoon.

12 That certainly would be a more favorable
13 and economically and consumer friendly way of
14 addressing energy efficiency that avoids the
15 negative impacts of setting artificial energy
16 limits or taking large portions of tvs off the
17 market.

18 At this point, to illustrate this
19 incentive approach that I mentioned, I'd like to
20 call Jim Palumbo to the lectern to explain in
21 detail what's being considered here.

22 MR. PALUMBO: Thank you, Doug. Okay.
23 I'm hoping that the retailers have made an impact
24 that taking away the life blood of their
25 businesses can be a severe impact on their

1 business entities.

2 We happen to think, and agree
3 coincidentally with Commissioner Pfannenstiel,
4 that a California DTV acceleration program is a
5 better idea than implementing a plan that would
6 essentially put in harm the business, taxes and
7 your independent retailers.

8 This is what we would like to discuss as
9 an option rather than executing the plan that's
10 been put forth by a few entities today. One that
11 meets California carbon emissions reduction goals,
12 and targets without negatively impacting retail
13 and independent businesses, without negatively
14 impacting state tax revenue, consumers,
15 innovation, and interstate commerce, and prevents
16 the possibility of starting a grey market in
17 neighboring states with California.

18 This is mom-and-apple-pie, rockbridge in
19 June of 2008, an independent consulting company
20 talked with over 1200 customers. And nothing new.
21 They're replacing their 36 inch television sets
22 with 40 and 42 inch LCD and plasma devices.
23 They're replacing their big screen television
24 sets, 50 and 53 inch, and 60 inch, old, rear
25 projection tv sets with 50 inch and 52 inch LCD

1 and plasma sets.

2 Interestingly enough the website for
3 EnergyStar 3.0 indicates a substantial improvement
4 in energy consumption from 2008 versus 2007. I
5 think everybody in this room has somewhere along
6 the line today touched upon the improvements that
7 our industry has made voluntarily in these areas.

8 So just in the 40 and 42 inch category
9 on the EPA website, let's address that for a
10 moment as an example in support for a plan that
11 accelerates DTV in the State of California.

12 There were 53 models as of November 16,
13 2008, flat panels, LCD and plasma under 200 watts.
14 Most of them were under 175 watts. If you took
15 all 53 of those models and just averaged them --
16 by the way, most of them being lower priced
17 product within the reach of most consumers -- the
18 average is 153 watts.

19 Now, I'm using old 36 inch picture tubes
20 as an example, which one is sitting right up here.
21 If you took those 36 inch picture tubes, I'm going
22 to use Sony and RCA proscan as an example. Why?
23 Because in the mid '90s to the late '90s between
24 these two companies they enjoyed over 50 percent
25 market share in the homes, of their 36 inch

1 product.

2 Sony 36 XPR 400, 245 watts. Proscan,
3 295 watts. RCA 360 watts. Sony 36 XPR 2, 330
4 watts, 36 XPR 450, 245 watts. And you see this
5 going along. The least is 245 watts.

6 Now, you're going to say, is this the
7 peak power that's in the instruction manual. No.
8 What Sony had done in the middle to late '90s is
9 did something similar to the IEC 62087. They put
10 a tape on there and measured the power consumption
11 of their product under normal viewing conditions
12 with a customer. How do I know that? Because I
13 initiated that.

14 So these are the, in the 240 watt XPR
15 Sony at the bottom, that might be a peak power of
16 275 or 290, I'm not sure what it was. But this is
17 what came back from Sony Corporation late last
18 week.

19 If we were replacing the installed base
20 of 36 inch tubes, for example, with 40 and 42 inch
21 LCD and plasma, in today's 2008 model, you can
22 achieve almost a 38 percent reduction in energy
23 use. That is the average of 153 watts that we're
24 talking on top of all the 40 and 42 inch versus
25 the lowest power consumption which is the 36 XPR

1 400, which is 245 watts.

2 And it gets better if you're buying a
3 JVC, for example, to replace some of these
4 products. Because they're at the lower end.

5 So our strategy should be as quickly as
6 we can -- and by the way, if you walk through the
7 other various screen sizes, you'll find that this
8 is true for most of the screen sizes, that newer
9 models that they're replacing the old tube sets,
10 are more efficient. And certainly they'll be even
11 more efficient in 2009 and 2010 as potentially
12 manufacturers improve the efficiency of their
13 sets.

14 So replacing old tube tv and old rear
15 projection tv tube technology as soon as possible
16 with the new energy efficient flat panel, and get
17 those old tube sets out of the home for a number
18 of reasons. Because they use more energy, and
19 because you don't want three tv sets per
20 household. You want to get as many tv sets out of
21 the home as you possibly can.

22 How do we do this? This is a
23 collaboration among government and industry and
24 all stakeholders, but maybe we offer consumers
25 from the State of California an energy efficient

1 state tax credit or deduction for the replacement
2 of their old technology.

3 Buy a new Panasonic or JVC, 40 or 42
4 inch, and replace your old Sony XPR 400; achieve,
5 at a minimum, 38 percent energy cost reduction,
6 and everybody's happy. Encourage them to do that.

7 Maybe rather than offering a consumer
8 \$20 from PG&E, maybe we turn that around with a
9 credit on their next electric bill by verifying
10 that they did a few things. They bought a more
11 energy efficient television set in that category
12 to replace their old technology. And got that old
13 technology out and into the trash bin, recycled.

14 Offer retailers and installers and other
15 distribution avenues an incentive to promote the
16 plan, and accelerated execution of the program.
17 You know, talking with some of our retailers, and
18 being in this industry a long time, when a
19 retailer has a reason to promote, he'll use his
20 own money to promote.

21 And in this case is, in the State of
22 California, promoting the benefit of the state tax
23 credit, promoting the benefit of an energy credit
24 on your electric bill, I can bet that 95 percent
25 of the dealers that we have will get behind that

1 program and it won't cost you a dime, won't cost
2 anybody a dime except the manufacturers to help
3 them promote this. And you can ask the retailers
4 that are sitting here in the audience.

5 So, what are our benefits? Acceleration
6 of emissions reduction goals. It stimulates sales
7 and business for all channels of distribution and
8 related accessories. I think you heard one of our
9 retailers say the beginning part of the sale for
10 him, at the higher end side, is the tv. In most
11 cases 40 percent of the cost of the tv is added on
12 in accessories and warranties and installations
13 and other good things that he can do if he can get
14 that first sale of the tv set.

15 So what does this do? Improves
16 profitability, enhances the overall value of his
17 business, it grows the economy. Creates a healthy
18 business plan in the state because you're taking
19 an initiative to accelerate the DTV transition as
20 quickly as you possibly can.

21 Obviously improves state revenue
22 particularly in the short term by accelerating DTV
23 sales in a time when I think the state, and all
24 states frankly, need it. Keeps the business and
25 the sales in the State of California. And that's

1 what we're trying to avoid, a grey market that
2 becomes complicated for retailers, consumers, the
3 State of California if you try to police something
4 you're trying to enforce, and the manufacturers.

5 And accelerates, of course, the digital
6 transition in the state. Removes old, big,
7 hungry, big energy consuming technology from the
8 homes.

9 And as a result what we like to say in
10 our industry, this is a win/win/win/win/win/win
11 for everybody. You meet your goals. The dealers
12 win. Manufacturers win. The state tax revenue
13 wins. And the utilities win.

14 And I think if we're to execute a plan
15 that's a win/win for everybody, rather than taking
16 products off the market and damaging the business
17 of some of your independent dealers, we need to
18 get around a table and maybe get this done.

19 So, thank you.

20 PRESIDING MEMBER ROSENFELD: Doug, are
21 you going to say something?

22 MR. JOHNSON: No.

23 PRESIDING MEMBER ROSENFELD: No. Gary
24 has his hand up, and --

25 MR. STRAIT: Actually, before we move

1 on, a couple of comments since there was some
2 issues with the phones earlier, for those that
3 might have been listening in and want to comment
4 on any of the presentations that we've had. I
5 think it would be appropriate to read off the
6 call-in number one more time.

7 The call-in number for those that wish
8 to dial it is 1-800-857-4259. And when you dial
9 you need to give a passcode. The passcode is
10 appliance. So, if you'd like to comment by phone,
11 please use this number and not the one that was
12 supplied earlier with our presentation materials.

13 Thank you.

14 MR. TUTT: And that's good and moved on
15 to public comments on this part of the
16 presentation. We still have two speakers that we
17 passed over. I just wanted to make that --

18 PRESIDING MEMBER ROSENFELD: Right.

19 MR. TUTT: -- bring them up.

20 PRESIDING MEMBER ROSENFELD: Gary.

21 MR. FERNSTROM: Okay, so, Gary
22 Fernstrom, PG&E. I'll make my comments really
23 quickly. I have three of them.

24 With regard to the industry's
25 recommendation about a replacement program for

1 older tvs, if I'm not mistaken I believe the PG&E
2 consultant team showed the saturation of CRTs in
3 the market to be reducing to near-zero in a
4 relatively few number of years anyway.

5 So if the California utilities were to
6 contemplate such a program, we would have to show
7 that it does something that wasn't going to happen
8 anyway.

9 And I would agree with industry that a
10 program might accelerate the replacement of those
11 older sets with newer sets, however the years of
12 acceleration would be relatively few, so the
13 energy savings would be relatively little. And it
14 may prove not to be economic.

15 The second comment has to do with what
16 AVAD had to say, and others, about the market
17 niche for large screen tvs and home theaters. The
18 assertion of this industry segment seems to be
19 that there's not product available that they can
20 sell that would meet the energy efficiency
21 regulations.

22 That may indeed be the case today,
23 however, the PG&E team presented evidence that new
24 technology is in the making by several of these
25 manufacturers that would allow the large screen

1 tvs to meet the energy efficiency regulations.
2 And the speakers from that market segment
3 presented no evidence to the contrary.

4 So it would seem to me, if we're looking
5 at the record of evidence in this proceeding,
6 there is evidence that product will be available;
7 and there's no evidence that product won't be.

8 The third point, and I'm no economist,
9 mind you, but it has to do with my recollection of
10 economics 101 in college. And it seems to be
11 there was this phenomena that economists call the
12 demand sensitivity to price or something like
13 that.

14 So, it would seem to me that if the
15 price of televisions were to drop, the market
16 response would be to buy more, maybe a second
17 television for another room in the house and so
18 on, for the children. And that wouldn't have the
19 dire economic consequence that was suggested.

20 So, my question about the economic
21 argument is how is that economic factor taken into
22 consideration in the analysis. Thank you.

23 PRESIDING MEMBER ROSENFELD: Alex.

24 MR. CHASE: Alex Chase, Energy
25 Solutions. I have three comments. One, the first

1 has to do with retail settings. There is a
2 gentleman --

3 PRESIDING MEMBER ROSENFELD: With retail
4 what?

5 MR. CHASE: Retail settings.

6 PRESIDING MEMBER ROSENFELD: Okay.

7 MR. CHASE: There was a concern that
8 televisions would not be able to be displayed in
9 the retail setting. One option is to have simply
10 a forced menu. As the retailer sets that
11 television up, a menu comes up; it asks if you're
12 in a home or retail environment. That retailer
13 could select the retail setting and it would be
14 the more vivid setting.

15 And that's one attribute that's within
16 the staff report and I think addresses that
17 concern.

18 MR. TUTT: Alex, even if it doesn't have
19 a forced menu, presumably it still has a retail
20 setting or a vivid setting.

21 MR. CHASE: That's correct, and I think
22 the largest --

23 MR. TUTT: So the manufacturer could,
24 for a display television, set it to that even if
25 there was no forced menu, is that correct?

1 Nothing in your proposal or PG&E's
2 proposed standards would prevent the manufacturer
3 from setting it to the vivid setting in the store?

4 MR. CHASE: That's correct.

5 PRESIDING MEMBER ROSENFELD: The
6 manufacturer or the retailer?

7 MR. TUTT: I'm sorry, the retailer.

8 MR. CHASE: That concern was largely
9 addressed by the independent retailers which
10 presumably have a higher experienced sales staff
11 which could go in there and optimize the settings
12 of those televisions.

13 The second was, there's been a lot of
14 discussion on how the tier one and tier two
15 standards would limit functionality and features.
16 We tried to highlight in our presentation
17 televisions at all size ranges from various
18 manufacturers that had some of the latest and
19 greatest features.

20 I would mention from the press release
21 that CEA released last week, their survey of
22 consumers, the wish list for the next television
23 purchase in ranking order what consumers want from
24 the next television purchase, going down the list:
25 more energy efficient televisions, better picture

1 quality, thinner shape, larger screen size.

2 We've highlighted televisions that meet
3 tier one and tier two levels that accomplish all
4 those goals. Full high definition; the fastest
5 refresh rates on the market; thinner screens and
6 larger screen sizes. And highlighted those from
7 models available from various manufacturers.

8 The third point is on the model that the
9 CEA's chief economist introduced, and that Jim
10 Palumbo mentioned, as well in terms of their
11 proposal would meet the California emissions
12 reduction goals. If folks look on the record, all
13 of PG&E's reports have been heavily footnoted. We
14 have an extensive appendices that details every
15 assumption that we've made in terms of the savings
16 that we presented to the CEC.

17 I'd like to get on the record that the
18 CEA and the Plasma Display Coalition could provide
19 the same sort of detailed information for their
20 assertions.

21 Thank you.

22 PRESIDING MEMBER ROSENFELD: Yeah, go
23 ahead. Noah, you'll come right next. Sorry.

24 MR. JOHNSON: Commissioners, Doug
25 Johnson with CEA. I did check one of the

1 footnotes that Energy Solutions just referred to.
2 And it cited a report in 2004 as the basis for
3 claiming that the state would save an enormous
4 amount of energy if they went forward with this
5 regulatory proposal.

6 That is not a sufficient basis upon
7 which to make that judgment. 2004 is almost five
8 years ago. In our industry that's a long time.
9 Certainly whatever assumptions were being made, or
10 whatever measurements were being made at that time
11 are not valid today.

12 Thank you.

13 PRESIDING MEMBER ROSENFELD: Just -- are
14 you going to answer Johnson, because --

15 MR. CHASE: Yes.

16 PRESIDING MEMBER ROSENFELD: Okay.

17 MR. CHASE: The assumptions are based on
18 the current EnergyStar dataset. We've been
19 updating them as we get new information. We rely
20 also on the CEA's commissioned TX study which was
21 released in early 2006 in addition to other
22 various industry resources.

23 So the 2004 footnote may be a reference
24 which wasn't mentioned specifically. But to make
25 a statement to say that we're justifying all our

1 assertions on a 2004 data is simply incorrect.

2 PRESIDING MEMBER ROSENFELD: But you can
3 update one, hopefully. Noah Horowitz.

4 MR. HOROWITZ: Noah Horowitz, NRDC.
5 I'll be quick. I just want to point out again
6 that in this industry tv prices change
7 dramatically. A 50 inch tv two years ago would
8 have cost roughly twice as much as it does today.
9 Yet all these retailers are still in business and
10 thriving. I want to point that out.

11 And what we're talking about here, we
12 still need more data, but we're looking at plus or
13 minus \$50 probably for the incremental cost of
14 these tvs, which is dwarfed by how the prices have
15 changed and continue to change absent this
16 standard.

17 So, I don't see how California hasn't
18 lost all these jobs or the millions of dollars in
19 revenue that are projected with a small
20 incremental price change. Look at the price
21 change we've seen over time.

22 Secondly, we've heard, hey, we're not
23 going to be able to buy these tvs. Right now you
24 have an inefficient 42 inch tv that's going to be
25 pulled from the shelf. Yes, that's what the

1 standard's supposed to do. And replacement would
2 be a 42 inch tv that's more efficient, provides
3 the same features.

4 Alex has done a great job showing us all
5 the models that are already available. And I want
6 to point out something that's surprising to me. I
7 didn't hear a single manufacturer today say I
8 can't make the more efficient standard to meet
9 tier one or tier two. It's all conjecture from
10 retailers that they won't be available.

11 So I'd like to, either through written
12 comments, let's see some proof by the
13 manufacturers, themselves. That's who the real
14 hardship of the standard would be. And we're not
15 hearing anything.

16 Thank you.

17 PRESIDING MEMBER ROSENFELD: Doug.

18 MR. JOHNSON: Doug Johnson, CEA. The
19 hardship is across the industry, as you've heard.
20 It's manufacturers, retailers, distributors,
21 installers, everybody is hit by the economic
22 impact of an artificial energy use limit that
23 takes a chunk of tvs off the market in the name of
24 saving energy.

25 It's been very clear from the

1 presentations today that that's the impact of
2 what's being suggested.

3 What we want to stress, though, is how
4 we --

5 PRESIDING MEMBER ROSENFELD: Well, Doug,
6 I don't think it's -- it's not clear to me. I
7 keep thinking of a given large Cadillac of a
8 screen, which is just a little bit more efficient.
9 The picture I have is that the product is going to
10 be -- the discussion is at what year is the
11 product going to be available, not that the
12 product's not going to be available.

13 MR. JOHNSON: Sure, and the Commission
14 is suggesting a standard for the future for which
15 it has no, you know, no basis for making a
16 judgment about what that future market is. You're
17 picking out a threshold and attaching a future
18 year to it.

19 The market is constantly changing. And
20 even since July, since we were last here before
21 the Commission, it's been all but good news for
22 energy efficiency, energy savings and emissions
23 reductions as a result of EnergyStar coupled with
24 technological innovation. These are the two
25 principal drivers of efficiency.

1 I think what we want to do here is focus
2 on energy efficiency opportunities. And as we
3 mentioned at the conclusion of our presentation,
4 there are several opportunities here to focus on
5 some of the common denominators in all the
6 presentations you heard today.

7 Let's look at the opportunities for
8 shipping in an energy saving mode. Let's look at
9 the opportunities for incentivizing the
10 replacement of older, less efficient technology in
11 ways that benefit the consumer --

12 PRESIDING MEMBER ROSENFELD: Doug, I --

13 MR. JOHNSON: -- that meet your goals --

14 PRESIDING MEMBER ROSENFELD: -- I guess
15 my comment is I don't see a conflict between
16 standards and many good things. As even Gary
17 admitted, we need to look at an economic analysis
18 of whether getting rid of -- early retirement of
19 CRTs is a good idea. Maybe it's a good idea,
20 maybe it's not.

21 It's not -- we don't have the power to -
22 - we have the power of suggestion that you work
23 with PG&E to see if that's a good idea, or you
24 work with Congress to see if they'll give you tax
25 credits for that or whatever.

1 But, what bothers me is the either/or.
2 I think all those win/win/wins are a good idea,
3 but I don't see that they conflict with reasonable
4 standards.

5 MR. JOHNSON: But if they're going to --

6 PRESIDING MEMBER ROSENFELD: We have to
7 discuss what reasonable is, and that's the issue
8 there.

9 MR. JOHNSON: I don't think the
10 objective here is standards and regulation, it's
11 saving energy; it's energy efficiency and how do
12 you achieve it for each sector, for each product
13 category.

14 And what we're suggesting is that
15 there's a program in place that's driving energy
16 efficiency already. And there are several
17 different ideas out there that could further
18 enhance energy efficiency, without the negative
19 economic consequences of what the Commission Staff
20 suggests in its proposal.

21 I do want, before I forget the point, to
22 respond to something that Mr. Horowitz just said
23 about the price of efficiency. One of our
24 industry partners, before this hearing, gave us
25 some data on the premium that's paid by consumers

1 for energy efficient products in the tv category.

2 Now, the data had to do with televisions
3 that complied with EnergyStar version 2.0, which,
4 as we understand, was the standard focused just on
5 standby. So, taking that into consideration.

6 The difference in average selling price
7 for televisions that complied with EnergyStar
8 version 2.0 versus those that did not was \$98.

9 Okay.

10 So I think what we want to also do is
11 take a look at the data that shows what premium
12 consumers are paying for efficiency under
13 EnergyStar versus 3.0 as another input to our
14 calculus here. Thank you.

15 PRESIDING MEMBER ROSENFELD: Melinda
16 Merritt has a comment. Say who you are, Melinda.

17 MS. MERRITT: This is Melinda Merritt
18 with the appliance program staff. I think we're
19 concluding this particular segment of the meeting.

20 As the project or process manager for
21 this rulemaking, I've always been concerned about
22 the record of evidence, as Gary was mentioning.
23 And I've heard a couple of questions or concerns
24 about the availability of the data and the
25 assumptions that CEA and the industry have been

1 asserting today.

2 I would very much like to know that CEA
3 and the industry will be following up with more
4 substantive written comments. And that they will
5 make their model available to staff for
6 examination, along with the input assumptions and
7 the data.

8 I think it would be very interesting to
9 run the numbers to clearly establish the potential
10 adverse negative impacts that you've been
11 asserting today.

12 I guess this is -- it's not directly
13 solely at CEA and the industry. I would make this
14 comment at the end of the day here, that we will
15 be making the call for additional written
16 comments, proposals. We would want those in
17 detailed written format for the record, and for
18 consideration by the Committee.

19 That's all I have.

20 PRESIDING MEMBER ROSENFELD: Doug, go
21 ahead.

22 MR. JOHNSON: One procedural comment.
23 There's an awful lot we heard today to which we'd
24 like to respond. I'd like to request the
25 Commission extend the deadline for written

1 comments. As you know the current deadline is
2 this Friday. It's just before the holidays.
3 There's an awful lot to respond to here.

4 We would like to provide written backup
5 to a lot of what we said today. And we'd also
6 like to respond to a lot of what we heard today.

7 So perhaps we can consider a deadline
8 for written comments following this particular
9 hearing that is, well, I suppose that avoids the
10 holidays, as well. But gives us enough time to
11 put together this material. Thank you.

12 PRESIDING MEMBER ROSENFELD: I think you
13 certainly made the point that you're very
14 concerned, and, Melinda, how shall we solve this
15 deadline problem? I'm on Johnson's side, I think
16 Friday is out of --

17 MS. MERRITT: Is too soon? Well, a lot
18 of people are heading in and out on vacations.
19 Two weeks, three weeks, --

20 PRESIDING MEMBER ROSENFELD: If we go
21 beyond Friday we're going to have to do several
22 weeks.

23 MS. MERRITT: Yes. I think it would be
24 January 1st. As a --

25 PRESIDING MEMBER ROSENFELD: Don't say

1 January 1st. That means work on the holidays.

2 MS. MERRITT: Well, we can settle a date
3 when this is finished. I do have a question.
4 Will CEA's economic model be available for staff
5 to look at?

6 MR. DuBRAVAC: Sure, yeah. I mean it's
7 a very simple simulation model --

8 MS. MERRITT: Okay, great.

9 MR. DuBRAVAC: -- that anybody could
10 run.

11 MS. MERRITT: That's good. I'd have to
12 look at a calendar for, you know, a cutoff on
13 the --

14 PRESIDING MEMBER ROSENFELD: And you
15 said any --

16 MS. MERRITT: Yes.

17 PRESIDING MEMBER ROSENFELD: Doug, you
18 won that point.

19 MR. JOHNSON: That's the only point?

20 (Laughter.)

21 PRESIDING MEMBER ROSENFELD: No, listen,
22 let me say, I'm serious when I say that there are
23 a lot of very good ideas there. The question is
24 are they compatible with standards. And are the
25 standards reasonable.

1 But I see them as additive advantage,
2 rather than something within our powers. I can't
3 order PG&E around. I can praise them, but -- let
4 me also make one sort of general remark.

5 We've been in the standards business for
6 30 years. And I think it's generally accepted
7 that appliance standards have reduced California's
8 electric bills by 5 to 10 percent. And that's 5
9 to 10 percent of a \$50 billion utility bill, which
10 we all pay.

11 And that has resulted in -- I think it's
12 generally agreed that's resulted in a lot of jobs.
13 And so I think the general role of the standards
14 is pretty good. And we have to figure out
15 reasonable standards and we don't want to figure
16 unrealistic standards.

17 But the idea that we rely entirely on
18 EnergyStar it's just not really consistent with
19 how successful the history of the standards in the
20 past.

21 But, anyway, here we are -- yes.

22 MR. DELASKI: Earlier I was --

23 PRESIDING MEMBER ROSENFELD: I'm sorry,
24 up at the mike. Go to the mike.

25 MR. TUTT: We skipped two speakers on

1 the agenda.

2 PRESIDING MEMBER ROSENFELD: I know.

3 MR. TUTT: And so in case -- I think we
4 were just looking to move to those next speakers.

5 PRESIDING MEMBER ROSENFELD: All right.

6 MR. DELASKI: And Charlie had to leave,
7 so you only have one more speaker.

8 PRESIDING MEMBER ROSENFELD: Okay.

9 MR. DELASKI: Charlie had to catch his
10 flight back to Oregon, so. And I have just about
11 five minutes, so I'll keep it short. I know the
12 day has been long and most topics have been
13 covered.

14 My name is Andrew Delaski and I'm the
15 Executive Director of the Appliance Standards
16 Awareness Project. ASAP is a coalition project
17 that works to advance cost effective energy
18 savings through efficient appliance standards. We
19 work at both the federal and the state level.

20 ASAP is led by a steering committee that
21 includes energy efficiency organizations like
22 ACEEE, the Alliance to Save Energy; environmental
23 organizations like NRDC and Earth Justice; a major
24 utility company, Pacific Gas and Electric Company;
25 and also representatives from state government,

1 member of our staff with the California Energy
2 Commission have served on the (inaudible)
3 committee for the past ten years. And it's been a
4 pleasure to work with the Commission over the
5 years on both federal and state standards. Many
6 staff and the Commissioners, as well.

7 At the federal level we work on
8 rulemakings, we work on negotiations with
9 manufacturers, we work on congressional reforms.
10 At the state level a key function of ASAP has been
11 to develop model legislation. Model legislation
12 which provides a basis for states to move forward
13 with their own state standards.

14 Since 2002 we have developed state
15 standards to model legislation each year, updated
16 it on an annual basis. And a dozen states now
17 have enacted state laws based on model legislation
18 that we've developed.

19 As you know, the core, in fact many, I
20 would say 80 percent of the state standards that
21 we have advocated around the country have been
22 based on what we've done here in California, the
23 Title 20 standards. They have become the basis
24 for -- your good work has multiplied its benefits,
25 as it has spread to additional states that have

1 looked to adopt cost effective standards.

2 And, in fact, as you also know, many of
3 those standards form the basis for new federal
4 standards, with 25 new federal standards enacted
5 in 2005 and 2007 combined. Many had their basis
6 in work done here initially in California. So
7 thank you for your leadership. It's made a big
8 difference, not just for California, but for other
9 states and for the nation.

10 I'd point out that three of the states
11 that have enacted standards are the bordering
12 states to California.

13 Just a couple of points about tvs.
14 First of all, a bit of context from around the
15 country. Like California, many other states also
16 have made commitments to save energy and/or make
17 greenhouse gas emission cuts.

18 For example, New York has a 15 percent
19 goal by 2015; New Jersey 20 percent by 2020;
20 Maryland also has a 15 percent commitment. The
21 list goes on and on.

22 At the national level President-elect
23 Obama has campaigned on a pledge to cut
24 electricity use by 15 percent by 2020, from the
25 projected levels.

1 As PG&E and NRDC have shown, trends in
2 tv energy use are working against these goals,
3 they head the wrong way. In the past few years
4 millions of CRT tvs have been replaced by LCD and
5 plasma sets that use significantly more energy.

6 Looking at table 3 in the staff report
7 it will take a 30 percent reduction in average new
8 LCD set use just to bring usage back to the level
9 of the CRT it's replacing. In other words, you
10 have to go to tier two just to stand still. So
11 like earlier with the graph shown by PG&E. So
12 therefore ASAP strongly supports CEC adoption of
13 the two tier staff proposal.

14 With respect to timing in many ways this
15 standard is already late. Reminded of a statement
16 I heard from manufacturers of external power
17 supplies at a DOE hearing in 2006 at the federal
18 level, he said, we hadn't focused on the energy
19 use problem because we didn't know we had an
20 energy use problem.

21 So I think while we've been figuring out
22 that we had an energy use problem in tv sets,
23 millions and millions of sets have been replaced
24 by sets that use considerably more energy.
25 Therefore, I think it's critical to avoid any

1 further delay.

2 We urge the CEC to seriously investigate
3 accelerating the implementation dates in the staff
4 proposal.

5 I also want to address a couple other
6 counter-arguments that I've heard by those
7 opposing standards for electronics. One argument
8 that we've heard, it's been brought up some today,
9 is the notion that we can rely on a combination of
10 voluntary programs and data reporting as a
11 substitute for standards.

12 I think that that simply is a delaying
13 of standards in order to see how well these
14 voluntary programs work would be a mistake for a
15 number of reasons. I want to highlight two.

16 One is that the impact simply won't be
17 as large. You won't get the same energy savings,
18 the same consumer savings for the purchasers of
19 televisions.

20 Secondly, and this is a point that
21 hasn't been brought up today, is that the
22 voluntary programs should be rapidly redeployed to
23 help spur further innovation and energy savings.
24 To the extent that we delay standards waiting to
25 see how well the voluntary programs work, that's

1 that much longer before those programs are
2 redeployed by PG&E, as we've heard today, either
3 for the next generation of savings from tvs, or
4 some other good opportunity for energy savings.

5 The well is deep, but to the extent that
6 we're working on focusing those efforts on work on
7 the tier two standards, that means we're not doing
8 something else that could be pursued.

9 Another argument we've heard is that
10 electronics are a special case where standards
11 don't make sense because technology and markets
12 evolve too quickly for (inaudible) to keep up.
13 That it's just too complicated for us to set
14 standards for electronics.

15 This argument was deployed in opposition
16 to consumer electronic standards which are now,
17 have now been in effect in California for several
18 years for several home electronics products. It
19 was deployed for external power supplies. It's
20 been deployed, as you well know, for many many
21 products over the years. And so far the sky
22 hasn't fallen for those in those marketplaces.

23 For the largest category, external power
24 supplies, manufacture approached advocates to work
25 together to enact California tier two standards

1 federally. In fact, the federal standards,
2 enacted with the support of the manufacturers of
3 power supplies, take advantage of a critical
4 aspect of this market, the speed with which
5 innovation happens. It takes advantage of it by
6 requiring a rapid review of federal standards
7 2011, to go to 2015.

8 It also provides for a very short lag
9 time between the final completion of those federal
10 standards and the next implementation date, the
11 shortest lag time of any federal standards because
12 of recognition that innovation in this marketplace
13 creates an opportunity for rapid improvement and
14 rapid energy savings.

15 Every product, of course, has its own
16 circumstances today, which I urge, of course, the
17 Commission to consider. But exactly the sort of
18 analysis that's been conducted to date by the
19 Commission and the staff, I think is needed.

20 In the case of tvs, short product cycles
21 around innovation mean that clear targets firmly
22 adhered to with an ear for implementation dates
23 will yield big savings for the consumer, big
24 energy savings for the state.

25 In closing, I want to draw a parallel.

1 There's a UTube video bouncing around the internet
2 of Secretary Designate Stephen Chew, who I assume
3 in the room at this meeting here today probably
4 hasn't been announced as the new energy secretary
5 appointee at the federal level.

6 In the UTube video he deploys a graph
7 that's I think familiar to the folks on the panel
8 today. It's a graph that tells the story of the
9 refrigerator.

10 PRESIDING MEMBER ROSENFELD: My favorite
11 graph.

12 MR. DELASKI: Yeah. I thought it might
13 be familiar to you. This institution and this
14 state, of course, played a huge role in that
15 story. And indeed, you know, much of the credit
16 for the efficient units we have today, due to the
17 work done in this building by this Commission, you
18 played the star role.

19 Suffice to say that California took an
20 energy trend line which was headed up for 30
21 years, much as the trend line for tv energy use is
22 headed up. You stopped that trend line and then
23 you bent it down. And it is much to the credit of
24 this institution that that accomplishment was
25 achieved.

1 Over the same period, that's not the end
2 of the story, Stephen Chew does a nice job of this
3 in his video, which I'll provide for the record if
4 you'd like.

5 Over the same period even as energy use
6 was brought down dramatically, the average
7 effective product got bigger and better and the
8 real price dropped. And last I checked, real
9 prices dropping for consumers is a good thing.
10 That means consumers benefit.

11 Refrigerator energy use is one of the
12 most important legacies of this Commission. So
13 although the comparison is undoubtedly imperfect,
14 there are many similarities in the avocado green
15 refrigerator of 1973 and the sleek visual tv of
16 2008.

17 So we urge you to expeditiously set
18 strong standards for tvs to assure they become
19 part of the state's and this Commission's legacy
20 of energy savings.

21 Thank you.

22 PRESIDING MEMBER ROSENFELD: Thank you,
23 Andrew. Yes.

24 MR. PALUMBO: Jim Palumbo, again. I
25 just have one caveat and one clarification. It

1 will be brief.

2 PRESIDING MEMBER ROSENFELD: Repeat who
3 you are.

4 MR. PALUMBO: Pardon me?

5 PRESIDING MEMBER ROSENFELD: Jim
6 Palumbo. Say who you are for the --

7 MR. PALUMBO: Jim Palumbo from the
8 Plasma Display Coalition. One comment and one
9 recommendation.

10 I don't think the industry is opposed to
11 standards. We've been living with standards our
12 whole life. I think what we are opposed to in
13 this proceeding is taking 25 percent of the
14 products off the market and impacting the life
15 blood of our independent dealer organization. I
16 want to be clear with that.

17 To that point I would ask, you know, the
18 CES is coming up, probably the best forum in the
19 world get together and understand our industry a
20 little bit better.

21 I would make a recommendation and ask
22 CEA to help us do this, for that panel that's up
23 there now, Dave, Art and Jim, and everybody on the
24 Commission to get into a room and we will get as
25 many independent California retailers as we can in

1 that room. And ask them the question, when we
2 pull the top 25 percent of tv sets off the market
3 in California --

4 PRESIDING MEMBER ROSENFELD: But that's
5 not what we're trying to do.

6 MR. PALUMBO: That's what will happen
7 with the proposal --

8 PRESIDING MEMBER ROSENFELD: That's your
9 assertion, --

10 MR. PALUMBO: That 's what will happen.

11 PRESIDING MEMBER ROSENFELD: -- that's
12 not what we're trying to do.

13 MR. PALUMBO: But that's what we heard
14 and that's what's expected from this proposal.

15 PRESIDING MEMBER ROSENFELD: We didn't
16 hear it from the manufacturers, we heard it from
17 the --

18 MR. PALUMBO: I'm sorry?

19 PRESIDING MEMBER ROSENFELD: We didn't
20 hear it from the manufacturers.

21 MR. PALUMBO: We heard that from PG&E,
22 the objective is to take the top 25 percent of the
23 television sets off the market.

24 PRESIDING MEMBER ROSENFELD: Oh, but the
25 assumption -- yes, I'm sorry, I --

1 MR. PALUMBO: Yeah, that's what we
2 heard. And I would like --

3 PRESIDING MEMBER ROSENFELD: But the
4 assumption is that they will be replaced with more
5 efficient ones.

6 MR. TUTT: Excuse me, sir. I believe
7 what PG&E said is that the objective was to take
8 the bottom 25 percent in terms of energy use off
9 the market, not in terms of the performance --

10 MR. PALUMBO: And that they most likely
11 will be the products that will impact all of those
12 independent dealer organization, as they've just
13 explained. And I'd like maybe the rest of the
14 California dealer organization to explain the same
15 thing to all of you.

16 So, if you would consider coming to the
17 CES, sit around the room and you can hear
18 firsthand what this impact might be, if you do
19 that. And I think it will be an eye opening for
20 everybody.

21 Thank you.

22 PRESIDING MEMBER ROSENFELD: Gary, I
23 hear you -- I see you. Jim, I think we have to
24 admit that there's a striking difference here.
25 The assumption of the people who are trying to

1 draft standards, the staff, is that the 25 percent
2 of noncomplying product will be replaced with
3 complying product by 2011.

4 And it's just -- I'm sorry to be
5 repetitious, but we're not trying to take you guys
6 out of business. The question is one of
7 extrapolation. How fast will the new compliant
8 products appear.

9 Most of our experience, I get back to
10 Andrew Delaski and refrigerators. We are down by,
11 it's admittedly been 30 years, but we're down to
12 one quarter of energy in refrigerators, which per
13 cubic foot is down to one-fifth. And it worked
14 pretty well. And the retail price went down one-
15 third.

16 MR. PALUMBO: I think you are right to
17 say that there is a gap between what you're trying
18 to accomplish and the unintended consequence that
19 will happen. And that's why I suggested you meet
20 with a whole group of other dealers to see what
21 that consequence might be.

22 There are two sides to our business. I
23 think we mentioned that earlier. There is the
24 basic business. Typically you walk into a Best
25 Buy store and you see their basic business.

1 If you walk off into a corner you see
2 that business that we're talking about in the form
3 of magnolia. If you walk into magnolia today,
4 January 1, if you were to implement that program,
5 that magnolia today might have 35 products in it.
6 There will be five.

7 PRESIDING MEMBER ROSENFELD: Okay, I
8 think we've --

9 MR. PALUMBO: So there's a gap between I
10 think what you're trying to accomplish and the
11 unintended consequence with our customers. And I
12 really truly believe this Commission needs to
13 understand that a lot more thoroughly.

14 PRESIDING MEMBER ROSENFELD: We
15 certainly need to put a lot of thought to it.
16 Thank you.

17 There are two blue cards. One of them
18 is from David Kline, whom I think has already had
19 the mike a couple of times. But there is a blue
20 card from you, David.

21 MR. KLINE: Okay. I had, just in terms
22 of summary comments. This industry is undergoing
23 a radical transformation from last year to this
24 year, and then from the EnergyStar 3.0 program on
25 November 1st, energy consumption has radically

1 dropped.

2 My company at the head, and I'll take
3 all the slings and arrows of that, please buy a
4 JVC tv if you want an environmentally safe tv.
5 The object is that we cannot, if we rush to
6 judgment we are caught in the middle of this
7 transition.

8 And that within six months you'll see
9 the data gathering that we are proposing and be
10 able to get an accurate picture of next year's
11 models, the 2009 models, which will be introduced
12 in the spring, from consumer electronics show in
13 January all through March, May and June.

14 And by July 1, which is our proposal,
15 you will see that full picture of the industry.
16 And that we're not just throwing darts at a dart
17 board. That we'll actually have real data of all
18 those sets, which ones could be sold in the State
19 of California.

20 That's the huge benefit that you all
21 have, as a Commission, that you can order that
22 data gathering. We can only get EnergyStar
23 compliant sets, voluntary products.

24 And there's a large universe of products
25 outside of that who are sold here in the United

1 States. We're hoping that you will understand our
2 request for the data gathering and the analysis of
3 that.

4 And then we will see when we get that
5 honest picture, first of all, staff crunching the
6 numbers for a month after the 1st of July close
7 date. And then we can really see where we're
8 going.

9 We don't have a problem with emphasizing
10 the positive sales of high performance sets. What
11 we have is a market proposal rather than a
12 regulatory proposal. And that by incentivizing
13 those high performing sets, ours might be one of
14 them. We're taking a big gamble, we're betting
15 the farm here at JVC on the environment, by
16 reducing the brightness of our sets at retail.
17 First out of the box.

18 And we're trusting our retail partners
19 that they may readjust the sets back to match the
20 vivid mode. And we have a vivid mode in our sets.
21 There's four presets in our screens.

22 One of those is standard where we ship
23 it, and that's the EnergyStar compliant. We're
24 hoping that folks like that.

25 But my key comment is don't rush to

1 judgment. We don't know where we're going. And
2 you'll see this database, which is growing by
3 leaps and bounds, probably 30 to 40 new sets this
4 week from one manufacturer who dropped in their
5 sets.

6 So I think that these factors mitigate
7 towards take a stance of not rushing to judgment.
8 And we're hoping that there won't be regulations.
9 If you set a regulation it will go to that level
10 and we will never develop beyond that. That's the
11 flaw that we see versus a market situation where
12 constant competition keeps lowering that bar.

13 If a regulation's in place, okay, we met
14 it, fine. Let's pull the R&D guys off of that.
15 We won that battle. Let's go for something else.

16 And the third point that I'd like to
17 make is that there are premium products out there.
18 In terms of just the video processor within our
19 JVC product line, there are between 12 and 25
20 watts different just for the video processor in a
21 high end, JVC, top of the line Genesa line.

22 The standard off-the-shelf processor is
23 more efficient because it's a mass market product.
24 But our custom-made proprietary processor improves
25 the picture quality. And those are the sets that

1 these independent dealers are talking about.
2 Every other manufacturer does that. That the high
3 performance, the multichannel surround sound built
4 into the tv adds a certain cost in terms of both
5 the components and the power consumption. During
6 decoding that 5. adobe channel out of the digital
7 stream from your digital television. Significant
8 cost in terms of power consumption.

9 So those high end deluxe sets are
10 different. They are a different animal than the
11 mainstream sets where we sell 60 to 70 percent of
12 our volume. But those are the pace setters.
13 That's where the technology develops, is in the
14 high end for those custom made processors that
15 each of the manufacturers are developing on their
16 own.

17 And so that's why I'm saying that you
18 need to respect those top end models, or include
19 them somehow in a program which would be able to
20 incentivize. See the benefits that each of those
21 sets is getting from the previous year.

22 So, thank you very much, sir.

23 PRESIDING MEMBER ROSENFELD: Very good.

24 And you agree to stay around till we get --

25 MR. KLINE: Certainly, sir. I'll be at

1 your disposal.

2 PRESIDING MEMBER ROSENFELD: Gary
3 Fernstrom.

4 MR. FERNSTROM: I'd like to be
5 absolutely clear for the record about PG&E's
6 intent. And, Commissioner Rosenfeld, you perhaps
7 stated it more eloquently than I can. It's not to
8 eliminate 25 percent of the product from the
9 market. It's to allow for the replacement of the
10 worst performing 25 percent with compliant
11 products.

12 So, the product and the market
13 essentially stays the same.

14 PRESIDING MEMBER ROSENFELD: And insofar
15 as the new products are more efficient, the other
16 win/win/win ideas, which CEA is advocating, or
17 Palumbo's advocating, become more saleable.

18 MR. FERNSTROM: Correct.

19 PRESIDING MEMBER ROSENFELD: I have one
20 more blue card from Edwin Hornquist from Southern
21 California Edison. Thank you for your patience.

22 MR. HORNQUIST: Not a problem, no, it's
23 great, I get the last word, I guess.

24 Well, my name is Edwin Hornquist. I'm
25 with Southern California Edison's codes and

1 standards program.

2 All I want to say tonight is that we'd
3 like to first acknowledge and commend the efforts
4 by PG&E and staff, CEC Staff, stakeholders that
5 have contributed to this proposed television
6 standards that we discussed here today.

7 Edison supports the adoption of the two
8 tier standard proposed. We feel that the
9 standards represent an important component to help
10 move California closer to achieving reduction,
11 energy efficiency and greenhouse gas reduction
12 goals as outlined in the State's Assembly bill 32,
13 and the California long-term strategic plan.

14 We look forward to working with
15 television industry on education, voluntary
16 incentive programs beyond minimum code
17 requirements.

18 That's all I have to say. Thank you
19 very much.

20 PRESIDING MEMBER ROSENFELD: Thank you
21 very much. Tim, anything? Any parting wisdom?
22 We need all the wisdom we can have.

23 MR. TUTT: Well, in light of the hour I
24 guess I'll keep things quite short. I'm due to be
25 leaving, myself, actually.

1 I wanted to thank everyone for coming,
2 and to say that what I've seen here today is
3 further evidence of the tremendous innovation in
4 the tv industry from a variety of the
5 presentations.

6 I think that it's clear that innovation,
7 there's a nexus between that innovation and energy
8 use. As tv manufacturers innovate they seem to be
9 making tvs more efficient. And that leads to
10 better televisions for consumers.

11 I think I've got to express some concern
12 about high end televisions, or high end products
13 and the high end larger screen size. We may have
14 to take a look at stuff in that arena. But all of
15 the data that we have from EnergyStar doesn't
16 suggest that there is a nexus clearly to me
17 between the high end and energy savings or energy
18 efficient televisions.

19 It seems like there's a wide right in
20 energy efficient televisions that are available to
21 meet EnergyStar, that are available to meet our
22 tier one standard. And with innovation in the
23 industry it would seem to be available by the time
24 of the compliance date to meet our tier two
25 standard.

1 I think we all support voluntary
2 incentive programs. EnergyStar is a wonderful
3 program. There's no lack of support for those
4 kind of programs here at the Commission.

5 We are here, though, to look at
6 appliance standards, to look at regulations that
7 affect the salability of appliances in California.
8 And to work with those voluntary programs, and
9 work with EnergyStar in a cohesive whole, not a
10 either/or kind of structure in my mind.

11 And I would remind people in closing
12 that our standards do have to be, by law, cost
13 effective and feasible. We feel that we'll get
14 there to cost effective and feasible standards.

15 I also remind people that our standards
16 permit the sale of products manufactured before
17 the compliance date. So there's some inventory
18 clearance built into our standards process that
19 allows retailers to sell product that has been
20 manufactured prior to the compliance date even
21 after that date is in place.

22 I do think we need more data. And I
23 think it would be useful to get that more data
24 very quickly. So, I encourage people -- as I
25 understand it, the test does not take a lot of

1 time. Let's get in some more data very quickly.

2 PRESIDING MEMBER ROSENFELD: Any last
3 comments? Nobody on the phone?

4 MR. STRAIT: Nobody on the phone.

5 PRESIDING MEMBER ROSENFELD: Melinda, do
6 you want to state once more what -- are you going
7 to make a guess as to when --

8 MS. MERRITT: Reconstructing the
9 calendar I think Monday, December 29th, would be a
10 suitable day for -- if people can have their
11 written comments and supporting documentation at
12 least to close off the topics that we've talked
13 about today. Does that sound reasonable?

14 PRESIDING MEMBER ROSENFELD: How does
15 that suit CEA? Doug?

16 MR. JOHNSON: Doug Johnson with CEA.
17 I'm sorry, Melinda, I didn't hear the date that
18 you were suggesting.

19 MS. MERRITT: I'm suggesting Monday, the
20 29th of December.

21 MR. JOHNSON: Toward the end of
22 December, that's good. That also avoids the
23 conflict with the show in the first half of
24 January. So I think that's reasonable. January
25 29th, thank you.

1 PRESIDING MEMBER ROSENFELD: So,
2 Melinda, you'll send that around.

3 MR. SPEAKER: No, she said December.
4 (Parties speaking simultaneously.)

5 PRESIDING MEMBER ROSENFELD: What did
6 you say, Doug?

7 MR. JOHNSON: January 29th would be more
8 reasonable --

9 (Laughter.)

10 MR. JOHNSON: December 29th is difficult
11 because of the holidays, vacation schedules and
12 preparations for the consumer electronics show,
13 which is January 8th through the 11th. So
14 actually latter January would be better. I'm
15 sorry I didn't hear that correctly the first time.

16 PRESIDING MEMBER ROSENFELD: Bill
17 Pennington, you're the senior person here. Can
18 you get us out of this dilemma?

19 MR. PENNINGTON: Well, it seems to me
20 that waiting until the end of January is a little
21 much. But perhaps right after the holidays might
22 be appropriate. Like January 5th or something
23 like that.

24 PRESIDING MEMBER ROSENFELD: So you're
25 thinking of something like January 10th or --

1 MR. PENNINGTON: January 5th is what I
2 suggest.

3 MR. TUTT: Monday, January 5th.

4 PRESIDING MEMBER ROSENFELD: Doug?

5 MR. JOHNSON: I think it would be much
6 more reasonable and helpful to CEA in putting the
7 other comments, to have the full attention of the
8 industry on this issue. And it's hard to get
9 attention when they're about to go to the trade
10 show.

11 PRESIDING MEMBER ROSENFELD: Darn hard.

12 MR. JOHNSON: You know, so it does
13 occupy the days following the end of the year,
14 early January; as I said, January 8th to the 11th.
15 So I'm suggesting that perhaps after mid-January
16 might be more reasonable in terms of getting
17 people's focus and attention and contributions,
18 most of all, to our written response.

19 Thank you.

20 PRESIDING MEMBER ROSENFELD: Bill, do
21 you want to --

22 MR. PENNINGTON: Well, this is your
23 call, Commissioner.

24 MR. FERNSTROM: Chasing those kilowatt
25 hours is hard because they keep slipping away.

1 PRESIDING MEMBER ROSENFELD: I think I'm
2 going to go for Doug Johnson. There'll be a
3 Monday like the 15th or some date like that. I
4 have a calendar here.

5 Yes, go ahead.

6 MR. HALME: I'm Steven Halme for Sony
7 Electronics, Senior Manager.

8 Just like mentioned, myself, and also
9 Mark Sharp from Panasonic, our associates are in
10 Japan. It's very difficult to get anything from
11 Japan in a couple weeks. And I agree with Doug
12 that it should be extended further.

13 Takes them time to review. They have to
14 get it to committees and look over things and
15 answer. So it's not always an easy situation
16 getting answers from Japan.

17 Thank you.

18 MR. FERNSTROM: I think the parking
19 garage closes at 6:00. 7:00?

20 PRESIDING MEMBER ROSENFELD: I didn't
21 hear you, Gary.

22 MR. HUNGERFORD: The parking garage.

23 MR. FERNSTROM: Never mind.

24 (Parties speaking simultaneously.)

25 PRESIDING MEMBER ROSENFELD: Oh, the

1 parking garage is about to close.

2 MR. HUNGERFORD: It would be the 5th or
3 12th.

4 PRESIDING MEMBER ROSENFELD: There's a
5 Monday the 12th. Doug, are you -- will you settle
6 for Monday the 12th. Or do you want Monday the
7 19th?

8 MR. JOHNSON: Is Monday the 19th of
9 January, is that a Monday?

10 MR. SPEAKER: That's a week after CES.

11 MR. JOHNSON: Monday, the 19th of
12 January seems reasonable, given the manufacturers'
13 and retailers' schedules following at CES. So I
14 think that would be a more reasonable date.

15 Look, we want to provide sufficient and
16 thorough comment on what we've heard today and be
17 able to respond to the questions from the
18 Commission Staff.

19 I think this is an adequate extension.

20 PRESIDING MEMBER ROSENFELD: All right.
21 So be it. The 19th. I'll catch hell from the
22 staff, but --

23 (Laughter.)

24 PRESIDING MEMBER ROSENFELD: Okay, thank
25 you all very much. And get to your garage before

1 it closes.

2 (Whereupon, at 5:58 p.m., the Committee
3 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 Committee 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 31st day of December, 2008.

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