

COMMISSIONERS PRESENT:

Robert D. Weisenmiller, Chair
 David Hochschild
 Andrew McAllister
 *Janea Scott

STAFF PRESENT

Robert Oglesby, Executive Director
 Michael Levy, Chief Counsel
 Alana Matthews, Public Adviser
 Patrick Brecht
 Jennifer Allen
 Phil Cazal
 Pablo Gutierrez
 Rey Gonzalez
 Pilar Magana
 Simone Brant
 David Weightman
 Ryan Smart
 Veronica Rodriguez
 Mark Weise

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Rey Gonzalez	15
Pilar Magana	16, 17
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David Weightman	19
Ryan Smart	20
Rob Oglesby	21
Veronica Rodriguez	22

Also Present (* Via WebEx/Phone)

PUBLIC COMMENT:

John McKinsey, Locke Lord
George Piantka, NRG Energy
Matt Vespa, Sierra Club
Susie Berlin, MSR Public Power Agency
Nick Jimenez, Natural Resources Defense Counsel
*Norm Pederson, SCPPA
Mohsen Nazemi, South Coast Air Quality Management
District
Bob Raymer, California Building Industry Association
*Martin Kleinbart, electrical contractor
*Anna Osborne, Interface Engineering
Tom Enslow, CALCTP.
Mark Oulette, CALCTP
Bernie Kotlier, CALCTP.
Tim Tutt, Sacramento Municipality District.
Patrick Kennedy, Sacramento City USD
Chris White, Leviton Manufacturing
Brett Barrow, National Electrical Contractors
Association.
Darlene Besst, NECA
Dennis Morin, Sacramento Electrical Training Center
Kathleen Barber, San Mateo JATL
Craig Gini, Collins Electrical Company, Inc.
Vince Bernacchi, Schetter Electric
Matthew Hargrove, CBPA, BOMA, ICSC
Jennifer Svec, California Realtors Association
Manuel Alvarez, Southern California Edison
Valerie Winn, PG&E
*Randy Walsh, San Diego Energy Desk
Michelle Low, California Charter Schools Association.
Satisha Furnish, Sierra Pacific Charter School
Joerg Ferchau, Efficient Drivetrains, Inc.
Richard Bode, Air Resources Board
Jorn Herner, Air Resources Board
Byron Washom, UC San Diego

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1 discussion at this time, so let's go on to Item 3, Carlsbad
2 Energy Center Project 07-AFC-067. Mike Monasmith?

3 MR. MONASMITH: Hello. Good morning Chair and
4 Commissioners, Mike Monasmith Project Manager Siting,
5 Transmission, Environmental Protection Division, here to seek
6 a committee for the overview of two petitions filed for the
7 Carlsbad Energy Center Project, which was approved by the
8 Commission on May 31st, 2012.

9 Two petitions filed by NRG: the first on April 29th
10 with a petition to remove facilities, obsolete facilities
11 essentially; to remove three above-ground storage tanks,
12 which were provided in the briefing material.

13 The second primary petition to amend seeks approval
14 for reconfiguration of the generation facilities, to combine
15 cycle power blocks to six simple cycles, a turbine
16 configuration and increase it from 540 megawatts that was
17 licensed to an amended 632 megawatts. It would involve seven
18 additional acres and the removal of above-ground storage tank
19 number 4. That was Phase I of the petition to amend.

20 The important phase in terms of residents of
21 Carlsbad anyway would be the Phase II, which is demolition of
22 the entire Encino Power Station which encompasses
23 approximately 60 acres west of the railroad tracks between
24 the Pacific Ocean. And it would take a 12-story building,
25 which encompasses the five units that have been operating

1 since 1950 with two initial units that were put in, in the
2 70s. And it would demolish and remove those and we would
3 seek a committee to oversee these two petitions. If there's
4 any questions?

5 CHAIR WEISENMILLER: Thank you, let's hear from the
6 public.

7 MR. MCKINSEY: Good morning, Commissioners. John
8 McKinsey with Locke Lord, counsel for the project owner
9 Carlsbad Energy Center, LLC. I think Mr. Monasmith described
10 the proposals pretty clearly, but with me is George Piantka
11 from NRG, the owner of the applicant, or the project owner of
12 the LLC. I think George wanted to say a couple of things
13 briefly.

14 MR. PIANTKA: Well, thank you I guess. So George
15 Piantka, Carlsbad Energy Center, LLC. As a project owner I'm
16 here on behalf of, and certainly look forward to
17 consideration today, both of the two petitions before you and
18 certainly all the work before us. It's a significant project
19 change from what was licensed in 2012. And we also have, you
20 know, cooperation and collaboration with the city. And
21 describe much of what is the part of the Phase II, the
22 complete demolition of the west side of the tracks after
23 commercial operation of the proposed amended project. Thank
24 you.

25 CHAIR WEISENMILLER: Okay, here do we have anyone?

1 Is anyone in the audience or on the phone who wants to speak
2 at this time? Okay, Commissioners?

3 COMMISSIONER MCALLISTER: So thanks for coming in.
4 I guess there are some issues on the table. Obviously what
5 we're doing here today is assigning a committee, so I
6 hesitate to get into the issues themselves. I think, you
7 know, obviously one is whether -- we understand that there
8 are two amendments. One question is whether we, how we
9 consider those, whether together or apart. So I think the
10 best option -- I think there are a lot of arguments on either
11 side of that discussion. And I think, you know, my as being
12 up for being the associate member on the committee, I think I
13 would prefer to delay this for consideration of the committee
14 itself. But I think this is a step forward on this
15 particular site. So, you know, no other broad comments to
16 make here.

17 CHAIR WEISENMILLER: That's good, yeah. Our
18 committee will be chaired by Commissioner Douglas and you'll
19 be the second. So at this point of no other comments let's
20 get a resolution on that.

21 COMMISSIONER SCOTT: I will move Item 3.

22 COMMISSIONER HOCHSCHILD: Second for that.

23 CHAIR WEISENMILLER: Okay, all those in favor?

24 (Ayes.) It passed 4-0, thank you.

25 MR. MONASMITH: Thank you, gentlemen.

1 CHAIR WEISENMILLER: Let's go to Item 4.

2 MS. JONES: Good morning Chair and Commissioners.
3 I'm Melissa Jones, I'm with the Electricity Supply Analysis
4 Division and I am here today seeking approval of
5 modifications to our emission performance standards for
6 publicly owned utilities.

7 In 2007 the Energy Commission adopted a greenhouse
8 gas emission performance standard for baseload generation
9 owned or under contract to publicly-owned utilities in
10 accordance with SB 1368. The primary purpose of the EPS is
11 to reduce California's financial risk exposure to high-
12 emitting GHG baseload power plants, compliance costs in the
13 future and associated reliability problems.

14 In response to a petition that was filed by the
15 NRDC and Sierra Club raising concerns about whether POU's
16 investments in these non-EPS compliant facilities were
17 consistent with the EPS regulations, the Energy Commission
18 opened an order instituting rulemaking. After an extensive
19 public process the Energy Commission determined that the
20 requirements under the EPS would enhance transparency
21 regarding POU investments in non-EPS compliant plans.

22 So the proposed modifications that we have in front
23 of you today include augmenting the existing noticing
24 requirements under the EPS by expanding them to include
25 investments of \$2.5 million or more to meet environmental

1 regulatory requirements. We're also proposing modifications
2 that add a requirement that POU's file an annual report
3 identifying any investments that they see coming in the
4 following year.

5 We are also amending and adding requirements that
6 the POU's provide notice directly to any interested parties
7 and to the Energy Commission when a public non-utility
8 governing board will be considering any investment in a non-
9 EPS compliant facility.

10 We are proposing to add an exemption to the annual
11 reporting requirement for POU's who have entered into a
12 binding five-year agreement to divest themselves of non-EPS
13 compliant facilities. We are proposing modifications that
14 clarify that a determination on whether an investment
15 constitutes a cover procurement is not necessary before a POU
16 can seek an exemption for a multiparty agreement.

17 Staff wants to acknowledge the POU's and their
18 significant efforts over the course of the rulemaking in
19 moving forward with steps to divest themselves of these three
20 coal facilities out of state.

21 On May 2nd, 2014 the Energy Commission published a
22 notice of proposed actions concerning these modifications
23 along with the express terms and conditions: a fiscal and
24 economic analysis, an initial statement of reasons describing
25 the rationale for the proposed amendments.

1 The Energy Commission has considered the
2 application of CEQA to the proposed modifications and
3 concluded that their adoption is not a project under -- I'm
4 going to let Lisa do this part of it.

5 MS. DECARLO: Well, first and foremost, the
6 adoption, the changes to the regulations aren't a project,
7 but even if they were considered a project they'd fall under
8 the general exemption that there's no possibility that anyone
9 could read these changes as having a potential impact on the
10 environment. Thank you.

11 We did receive three sets of comments prior to the
12 business meeting. We have comments from NRDC and Sierra
13 Club, which do acknowledge the POUs significant steps in
14 divesting themselves of the plants. They support the
15 proposed regulatory changes and they also support the
16 Commission's clarification regarding the exemption process
17 for multi-party agreements.

18 PG&E filed a letter in support of the proposed
19 changes to the EPS. MSR believed that the current EPS
20 regulations and MSR's practices with regard to public meeting
21 and public notification are adequate. However, they state
22 that should the Energy Commission decide to move forward with
23 the modifications that all the proposed changes regarding
24 reporting and filing requirements should be adopted as a
25 whole. And they also argue that the Energy Commission adopt

1 a provision replacing cover procurements with investments
2 with regard to the multiparty agreements.

3 I had a phone call from Norman Peterson from SCPPA
4 yesterday. They did not file comments, are not going to
5 appear today, however he said he was pleased with the outcome
6 of the rulemaking consistent with comments that they've
7 already filed over the course of the rulemaking and, of
8 course, to the changes.

9 CHAIR WEISENMILLER: Thank you. And in fact, I
10 think we will hear comments from some of the parties next.
11 So let's first start with the Sierra Club, Matt Vespa?

12 UNIDENTIFIED SPEAKER: You've got to push the
13 button here on the mic.

14 MR. VESPA: Oh, how's that? All right, Matt Vespa
15 from Sierra Club. Chair Weisenmiller and staff, we've been
16 at this rulemaking for maybe close to three years and we
17 appreciate your efforts in wrapping it up. And in that three
18 years we've seen a lot of progress from publicly owned
19 utilities in divesting from coal. And I think this has been
20 a real success story for SB 1368 and for California. The
21 regulations, we think, are reasonable and ideally they won't
22 ever have to be utilized, because the POU's will have divested
23 from coal and they won't be triggered. So thank you again
24 for this rulemaking, the final regulations, and we support
25 the outcome.

1 CHAIR WEISENMILLER: Thank you. Thank you for your
2 consideration. How about Susie Berlin from MSR?

3 MS. BERLIN: Good morning Chair and Commissioners,
4 Susie Berlin for the MSR Public Power Agency. I won't
5 reiterate what was said in our comments, Melissa did a great
6 job of summarizing them. Well, I'm going to reiterate one
7 point.

8 We appreciate that there are revisions, that there
9 are those that feel we needed a greater level of transparency
10 and we think that the proposed changes strike a balance
11 between that greater transparency and still acknowledge and
12 recognize the efforts that POU's are making to divest. And
13 therefore we strongly encourage that they be adopted as a
14 package, so that the extension provision for entities
15 divesting within the next five years from the annual
16 reporting requirement be maintained as part of the entire
17 adoption. Thank you.

18 CHAIR WEISENMILLER: Thank you. Let's go to the
19 NRDC, Nick Jimenez.

20 MR. JIMENEZ: Hi, I'm Nick Jimenez, representing
21 the NRDC. Noah Long couldn't be here today. First thank you
22 Chairman Weisenmiller and the Energy Commission, for all of
23 your hard work on this proposed rule modification, and for
24 the opportunity to comment today.

25 NRDC has had productive and valuable dialogue with

1 the Commission and the POU's and we support the proposed
2 action before you today. The proposed modifications will
3 support transparency and facilitate public participation all
4 at a very low administrative cost. We think the \$2.5 million
5 threshold will capture the most significant investments,
6 which are of the most concern from an environmental
7 perspective.

8 The modifications correctly recognize that
9 significant investments in environmental retrofits for
10 regulatory compliance can effectively, by extending the
11 legality of operations extend the life of a facility.

12 And finally, NRDC had been concerned with the last
13 change being considered revising Section 2913 on exemptions
14 to replace the term "covered procurements" with "investments"
15 on the fear that it could allow exemptions for investments
16 principally involved in multiparty agreements that weren't
17 covered procurements and which the POU's would be legally
18 required to block. However, we were happy to see the
19 Commission's interpretation of Section 2913 requires POU's to
20 vote against any investment that would violate SB 1368, which
21 assuages our concern.

22 Thank you again and we look forward to working with
23 the Commission and the Utilities as these modifications are
24 implemented. Thanks.

25 CHAIR WEISENMILLER: Thank you. Okay, Norm

1 Pederson from SCPA is on the line. Norm?

2 MR. PEDERSON: No comment, Melissa summarized our
3 views and we thank the staff, particularly Melissa and Lisa
4 for their hard work on this. And thank you very much.

5 CHAIR WEISENMILLER: Thank you. We also have, I
6 believe in the room, Mohsen from South Coast, please?

7 MR. NAZEMI: Thank you and good morning,
8 Commissioner Weisenmiller and the other commissioners. I'm
9 Mohsen Nazemi, Deputy Executive Office with South Coast Air
10 Quality Management District and appreciate the opportunity to
11 comment.

12 Actually, I'm not here to oppose any of the
13 proposed changes. The only reason I decided to comment is
14 under duplication or conflict with federal regulations,
15 Government Code 11346.2(B)(6), there's a statement that, and
16 it's correct by the way, that EPA is proposing a new
17 greenhouse gas emissions standards for both new and modified,
18 as well as existing, power plants under Sections 111(b) and
19 111(d).

20 And I'd just like to request that the Energy
21 Commission revisit this regulation after EPA has finalized
22 those proposed regulations and determined whether or not
23 there is any conflict since the proposed standards, at least
24 for me when modified, is lower than the standards of 1,100
25 pounds CO2 per megawatt hour that is in the regulations in

1 front of you today.

2 CHAIR WEISENMILLER: Meanwhile, I would note that
3 if you read the letter signed by Mary Nichols on this topic
4 we were pretty emphatic about California special needs in
5 this area in terms of integrating renewable and what that
6 means in terms of our unique situation. Obviously, we were
7 incredibly supportive, she and I, of the regulations, but at
8 least in this area asking them to accommodate us. So thank
9 you.

10 MR. NAZEMI: Okay. Thank you.

11 CHAIR WEISENMILLER: So with that I'll make a few
12 comments. First of all, just to make sure the Commissioners
13 are clear the resolution that we're dealing with is the one
14 entitled "Modification of Regulations Establishing a
15 Greenhouse Gas Emissions Standard." Mr. Levy gave us a copy
16 of it. Mr. Levy, do you want to comment? I believe it's in
17 the binder, but not quite?

18 MR. LEVY: I just think it was a mix-up in the
19 printing of the binders. The correct resolution is online
20 and the correct resolution is on the desk in the back of the
21 room.

22 CHAIR WEISENMILLER: Yeah and I just want to make
23 sure everyone -- of my fellow Commissioners I will say this
24 one has been certainly -- anyway it's been sort of a
25 certainly herding of cats. I mean, every time I think we had

1 a very good workshop and then thought that the
2 environmentalists and the POUs were just at the point of
3 reaching a resolution. And we'd turn our back and come back
4 six months later and discover they hadn't quite got there.
5 And we'd do the next, pull everyone together and try to move
6 things along.

7 And I think having said that, the major focus
8 obviously from my perspective has been to encourage them to
9 divest the coal plants and encourage transparency in this
10 process. And certainly it's been great to have gotten the
11 support from the staff, both Melissa and Lisa on this,
12 certainly Sekita Grant was remarkable in terms of patience
13 and again moving the ball along. And at some point, a couple
14 of points, Kourtney Vaccaro helped also, particularly in one
15 of the workshops we've had.

16 So again, it's been taking a while, but certainly
17 it's been a very successful process and at the same time it
18 was pointed out with certainly looking at these issues
19 relative to some of the federal regulations. Although again,
20 certainly I should point also to the Legislature for its
21 wisdom in passing this bill initially it leaves us much
22 better to deal with the EPA regs at this point or draft regs.

23 And also I should thank the prior committee in this
24 area was Jackie Vandersteel (phonetic) and John Geesman, who
25 whenever we had difficult issues come up would go back and

1 look at their record and their decision and they seemed to
2 hit the nail on the head very well. At least many areas we
3 couldn't find ways to improve what they had already produced,
4 so again that was also gratifying to be able to reach back to
5 that. So with that I'd listen to open comments.

6 COMMISSIONER SCOTT: I just wanted to say also it's
7 just really encouraging to hear how well it's worked in terms
8 of getting folks to divest from coal. And I also wanted to
9 mention I got a terrific briefing from the staff on this
10 earlier. And Melissa had mentioned the increased notice
11 provisions that are also in there and some of the annual
12 reports and I might just ask you to highlight that again. As
13 a public member it's great for me to hear how the public will
14 continue to be able to be engaged.

15 MS. JONES: So the noticing requirements are that a
16 POU, when it's going to consider an investment in a non-EPS
17 compliant facility must file a notice with us. That notice
18 can be in the form of a URL that links to the Board agenda
19 and any backup materials associated with that proposed action
20 by the POU.

21 The amendment that we're making today requires that
22 in addition to providing us with a URL that the POU directly
23 serves any interested parties on a master list that we will
24 go ahead and establish. Directly notice them of any pending
25 actions they have coming, so that people can more quickly and

1 easily know something is going on rather than having to
2 follow all the different agendas for all the different
3 meetings of the POU's.

4 The other big change was adding the annual
5 reporting requirements. And it's not a huge burden, but it
6 just requires that the POU's notify us of any proposed
7 modifications that are \$2 and a half million or more, that
8 they will be making in the pending year. And that would
9 enhance the existing noticing requirements.

10 POU's have 72 hours notice requirement for when they
11 do take up an investment and that's a pretty short period of
12 time if that's the first time you hear about it. So the
13 annual reporting requirement gives a little more advance
14 notice, so that parties who are interested may participate.
15 Those are the primary features.

16 COMMISSIONER SCOTT: Yeah, that is great. Thanks
17 for restating that for us.

18 COMMISSIONER MCALLISTER: Just briefly I want to
19 thank the Chair for his leadership on this issue. I mean, I
20 know climate is just the most important issue we have before
21 us. And is really an umbrella driver of many of things that
22 we do here at the Commission and other agencies as we heard
23 on the air quality front and on other fronts, certainly on
24 the energy front.

25 I see this as huge really. The POU's, you know, are

1 sort of a different group from the IOUs and the PEC nexus and
2 they do require flexible active engagement from us. And, you
3 know, we need statewide consistency on an issue like this.
4 We actually need beyond statewide consistency, but the State
5 is our ground of effort here.

6 So I want to thank both the various advocates that
7 have been at the table for -- you know, I've gotten periodic
8 briefings on this issue since I have sat down with the Energy
9 Commission a couple of years ago. And it's great to see that
10 steady progress finally reaching a resolution here.

11 And also I thank the POUs, because I know the SCPPA
12 and the other groups of POUs that get together to advocate
13 for their interests and decide on policy positions, also have
14 some cats to herd within their ranks and different situations
15 and, you know, different realities. And so I think getting
16 to a final conclusion on an issue like this that's actually
17 quite complex and does involve real money being invested in
18 the State and outside the State is no mean feat. So I want
19 to just congratulate everybody for getting to this finish
20 line and I'm happy to support this.

21 Okay, I move to adopt the resolution on Item 4.

22 COMMISSIONER HOCHSCHILD: Second.

23 CHAIR WEISENMILLER: All those in favor?

24 (Ayes) Item 4 passes, oops.

25 MS. JONES: Thank you, very much.

1 CHAIR WEISENMILLER: Melissa thank you, thanks.
2 And you certainly -- again thanks to the (inaudible) for the
3 original complaint that encouraged us to look into this
4 issue.

5 Let's go on to Item 5, 2013 Building Energy
6 Efficiency Standards. Dave Ashuckian, please.

7 MR. ASHUCKIAN: Good morning Chair and
8 Commissioners. I'm Dave Ashukian, the Deputy Director for
9 the Efficiency Division and I am here to inform you that the
10 2013 building standards are ready to launch with an effective
11 date of July 1st, 2014.

12 I want to point out, next slide, I want to point
13 out that these standards as they go into effect will result
14 in a 25 percent greater savings for residential improvements
15 compared to the 2008 standards. A 30 percent greater savings
16 for nonresidential improvements compared to 2008. For the
17 first time the standards will address our goal of actually
18 obtaining zero net energy and for the first time we're
19 providing a compliance option for affordable tax as well.

20 Next slide. There's a number of tools that are
21 available. One of the challenges of the delay was making
22 sure that the compliance software was up and available and
23 operational and that there was adequate training. At this
24 point there is actually five different versions of software
25 available: two for nonresidential and three for residential

1 including CBECC-Res, CBECC-Com, EnergyPro V6.2. There's also
2 Integrated Energy Solutions and on today's consent calendar
3 you approved the Right-Energy compliance software as well.

4 In the May business meeting you adopted a HERS
5 provider, CalCERTS, that provides for the compliance forms
6 and approval for newly-constructed buildings, alterations to
7 existing buildings. And through the Executive Director
8 approved forms for the new Solar Home Partnership Program.

9 In addition, next slide, on today's calendar agenda
10 you were going to hear a request to adopt the Acceptance
11 Testing Certification Program. These are new requirements
12 that were established in 2013. They are going to require a
13 certified technician to test and verify that lighting is
14 available and complying with the standards. This will, if
15 you approve these regulations, this what we call the
16 threshold certification today, that requirement will be
17 coincident with the launch of the standards of Title 24 on
18 July 1st.

19 Next slide. In addition to the threshold
20 certification being adopted today potentially there are three
21 additional applications under review: one additional one for
22 lighting and two for mechanical testing. This will allow
23 more technicians to be trained and to provide that service of
24 the certification for these particular measures.

25 Next slide. In addition to the software and the

1 tools, training has been conducted for the last -- training
2 and outreach have been available and conducted for the last,
3 approximately, 16 months. Staff has conducted outreach on
4 the standards in partnership with our utility partners. We
5 have offered and continue to offer training on the software
6 and tools, training on what the standards are requiring, and
7 other aspects of the standards. Again, that includes the IOU
8 sponsor Energy Code Ace. There's also a number of tools on
9 line including a self-paced webinar that stakeholders can
10 operate online.

11 Next slide. We have leveraged our utility partners
12 in other efforts with industry cascading contacts, emails,
13 listservs. We've conducted seminars at tradeshow. And I
14 want to thank our utility partners for offering the training
15 and helping us with the outreach for the standards including
16 the utilities listed here.

17 In coordination with these utility partners more
18 than 2,000 architects, designers, engineers, HERS raters,
19 builders, enforcement agencies have participated in one form
20 or another of the training and outreach efforts.

21 Next slide. We encourage and continue to encourage
22 everyone who's impacted by these standards to continue to
23 avail themselves of the opportunity of the training.

24 Again, we have a hotline that's going to be fully
25 staffed and continue to be staffed for the next three months

1 during the launch. From 8:00 to 5:00 that hotline provides
2 questions and answers on the standards themselves. We offer
3 a quarterly blueprint that has relevant information and up-
4 to-date issues that need to be addressed. And again, users
5 of all of these materials include architects, designers, HERS
6 raters, enforcement agencies and consumers.

7 Next slide. The website has a plethora of
8 additional information available including the ability to
9 sign up for a listserv that provides the information to get
10 the regular delivery of the blueprint updates to the
11 standards and any other information. And we encourage
12 everybody to visit our website, which has all this
13 information on there.

14 Last slide. Again, additional resources are
15 available on our website as well as the hotline. And again,
16 I want to thank you again for this opportunity and offer any
17 answers to any questions you may have.

18 CHAIR WEISENMILLER: Is there any public comment on
19 this item, no one?

20 MR. ASHUCKIAN: I saw a few potentially interested
21 stakeholders in the audience, so I thought maybe there would
22 be some comments.

23 MR. KLEINBART: Good morning.

24 MR. ASHUCKIAN: No cards, no cards.

25 MR. KLEINBART: Hello? Hello?

1 CHAIR WEISENMILLER: Hang on one second. There's
2 someone in the room ready to speak. Go ahead, Bob?

3 MR. RAYMER: Yes, Mr. Chair and Commissioners, Bob
4 Raymer with the California Building Industry Association.

5 Every time we've gone through one of these updates
6 for the last four iterations it has been difficult. There's
7 always bumps as you make a significant change from one set of
8 standards to the next and then the changing of the compliance
9 forms and the computer programs. There's always
10 difficulties. I would like to point out though that this
11 time, in particular, the staff has been very service-
12 oriented. Dave, Mohs, (phonetic) Eurlyne and the other staff
13 have been very interested in identifying problems that pop
14 up. And they always will pop up, but they've got an interest
15 to take care of that and we're enjoying perhaps the best
16 working relationship with the Commission that we've seen in
17 decades. So with that we've got a long way to go, but we're
18 working with you and we're optimistic. So thank you.

19 CHAIR WEISENMILLER: Thank you. Next up?

20 MR. KLEINBART: Hello? Hello?

21 CHAIR WEISENMILLER: Hang on one second, anyone
22 else in the room? Okay. Then let's go to the gentleman on
23 the line. Please identify yourself.

24 MR. KLEINBART: Hi, my name is Martin Kleinbart,
25 licensed electrical contractor and also a recent graduate of

1 the Acceptance Testing Program.

2 My comments, you know, I'm glad to see that the
3 standards are going to be finally adopted. You know, the
4 delay has given time for a lot of people to get up to speed.
5 My comment really is about enforcement.

6 Now, I service three counties plus I also do
7 occasional work down in the Southern California area and many
8 of the local building agencies do not require the compliance
9 forms. And therefore you have people that don't abide by the
10 compliance of installations whether it be the products or the
11 methods of construction.

12 And I, over the past several years I have expressed
13 my concerns to staff members and I get the impression that
14 it's really going to be a little bit of the status quo. It's
15 not going to really change much, you know, where contractors
16 are free to abide by the law and take care of the energy
17 compliance as they see fit, especially on the smaller
18 projects.

19 I'm not talking about, you know, large hi-rises and
20 stuff like that, because generally there's a lot more
21 involved with them. And I'm not talking about during the
22 submittal process where the architects have to put with the
23 plans the Title 24 Energy Calculations and the compliance
24 forms at that point. I'm referring to the time of
25 inspections, inspectors neither want to deal with the energy

1 parts nor do they claim that they have the time nor do they
2 want to see the forms.

3 And then worst of all, if you're an honest
4 contractor that wants to honor the Energy Code, and has the
5 forms prepared to hand to them, to the building official,
6 they basically don't even want them. And they throw them in
7 the trash. And it's very discerning (sic) to people in the
8 industry when that happens, because they don't throw away
9 documents that are submittals for particular type of device
10 that's being installed to make sure that it complies. But
11 they'll throw away the Energy Code, because it's not life-
12 safety.

13 So I'm just concerned about what's going to be done
14 to get these building departments to not issue final
15 inspections until all this paperwork is complete. And I
16 guess that's all I have to say about this.

17 CHAIR WEISENMILLER: Okay, thank you. Anyone else
18 on the phone? Mr. Ashuckian, do you want to respond to the
19 gentleman?

20 MR. ASHUCKINAN: Certainly compliance and
21 enforcement of our regulations and having building inspectors
22 who are the primary responsible parties for enforcement of
23 all building standards is a continuing challenge. And we
24 continue to work with the local building officials. We work
25 with the CSLB, the Contractor State License Board, to do the

1 best we can to encourage and to find solutions.

2 Part of the reason why we've created the Home
3 Energy Rating Program and the compliance documentation, is to
4 ensure that there's a mechanism that provides less onerous
5 efforts on the local building officials requirements to
6 actually ensure that the standards have been complied with.

7 The Acceptance Testing Certification Program is
8 another avenue that is designed to help minimize that
9 process. And we continue to encourage the folks who are
10 responsible for preparing those documents to provide that
11 information to us, so that we can make sure we know and can
12 work with the local agencies that are not following the rules
13 and complying with the program.

14 So again, we encourage that information to come
15 back with us and we will continue to do what we can to try to
16 address these issues.

17 COMMISSIONER MCALLISTER: Yeah. So thanks, Dave
18 for that, and I wanted to expand a little bit as well and
19 sort of give my perspective.

20 Thank you so much for your comments. You know,
21 it's the sort of real-world perspective that as we sit here
22 in Hearing Room A it's not obvious sometimes, that we're
23 getting. So staff tends to be in reasonably good touch with
24 industry stakeholders, but that boots on the ground, you
25 know, rubber on the road kind of daily experience of how our

1 regulations going out into the world and how they actually
2 operate and interact and work, you know, as people interact
3 with them is really important for us to hear.

4 So but first I wanted to congratulate you on all
5 the training and the good work that it sounds like you're
6 doing. Certainly the Acceptance Testing is a new program
7 that's later on the agenda here. It is another step forward,
8 so way to get on board with that.

9 You know, it sounds like you were talking mostly
10 about new construction yet the code also applies to retrofits
11 that trigger code. And those environments are a little bit
12 different and I think going forward we do need to look at
13 that operability, that pragmatic kind of approach of how code
14 interacts with various projects and how we can really
15 facilitate compliance in the most direct way possible.

16 Certainly it's disconcerting to hear local
17 jurisdictions not taking what is law seriously. You know, it
18 is the law, but it's not necessarily easy for any given
19 project to comply. And we don't want to call people out
20 necessarily and certainly the enforcement regime is not fully
21 fleshed out in terms of how, what authority the Energy
22 Commission itself has to enforce what is law on the local
23 building officials. Obviously, none of us want to go there.
24 We want compliance, because it's the right thing to do and we
25 want everybody to kind of be on board with it and the systems

1 to be in place to not have to impose burdensome transaction
2 costs. There are going to be some transaction costs, but
3 hopefully those can be managed well.

4 So, you know, as we push the envelope, pun
5 intended, I guess on the building code to really harvest
6 those cost-effective savings for what are long-live
7 investments in the case of new construction we really need to
8 pay attention to the operability of the code, because we're
9 getting towards the margins. A lot of the energy savings
10 potential now in new construction is either preempted by DOE
11 or not directly under the Energy Commission's control or
12 authority. So we're at the point where we have to work very
13 fluidly with the marketplace.

14 That it's not about necessarily relying entirely on
15 code that we develop, huck it over the far wall into the
16 world and then kind of wash our hands. We really have to,
17 you know, I think -- and I'm not suggesting that staff is
18 doing that. I'm just suggesting that as we move towards each
19 update and we get towards the ZNE goals for residential and
20 then beyond that for commercial, it really becomes critical
21 to make sure we're taking advantage of every opportunity in
22 working with stakeholders that bring good ideas to the table.

23 And so I see this, the work that staff is doing on
24 this update, as just critical to that long-term vision. And
25 really congratulate Dave and the team for moving this to the

1 finish line. To, you know, getting all the boxes checked,
2 all the due diligence done and the tools ready for prime
3 time, so that we can go forward with this.

4 And at the same time we're moving on getting the
5 2013 standards ready we're amping up the 2016 development.
6 And those conversations are obviously very linked, so there's
7 a long-term vision that we have in California that I think is
8 very exciting and very compelling. And, you know, this
9 update sort of gives you a little bit of context of where we
10 are, but it really is a constant effort that's going to --
11 that is already paying, has paid many, many dividends on the
12 State. And I think will continue to going forward as we
13 reach our ever more ambitious goals. So thanks David and the
14 crew.

15 CHAIR WEISENMILLER: Okay. I'm sorry, actually
16 again let me -- I'm going -- we've got more request on this
17 item. And again, I need to encourage the public, step up at
18 the right time within transition to the Commissioners. It's
19 a little awkward to go back and forth, but anyway Anna
20 Osborne on the phone. Please, speak up.

21 MS. OSBORNE: Hi, my name's Anna Osborne, I'm from
22 Interface Engineering. I just wanted to speak on the
23 developed program a little bit, the CBECC-COM. I can see
24 that there's been obviously a lot of work done to develop
25 this program and it takes a lot of work to develop a new

1 energy program. And there's always going to be some issues
2 when a new version comes out and a new program is developed.

3 And I've been working a lot with the new program.
4 I've been submitting a lot of issues with Architectural
5 Energy Corporation and have had a lot of back and forth with
6 them on the issues that I've seen. And I just have a concern
7 that with some of the shortcomings of the program that don't
8 allow a modeler to take advantage of some of these design
9 features of the building. That I've been seeing that I've
10 had a lot of difficulty with getting some buildings where I'm
11 doing preliminary analysis with this program to comply, even
12 though there are certain features of the building that I
13 should be able to model.

14 And I have worked with AEC especially on some day-
15 lighting shortcomings that I've seen with the program and
16 some HVAC shortcomings as well as all the features that don't
17 allow the building to be modeled in a certain way for
18 KornShell buildings, which is a huge portion of a lot of
19 design firms' work.

20 So I know that there's not exactly an easy solution
21 to it, but I just want to make sure that concerns with people
22 in the design world are expressed, because we've had
23 discussions with a lot of other design firms who are having
24 the same issues with modeling specific HVAC systems or even
25 domestic hot water systems. So that's all I have to say, but

1 thanks for giving me the time to present my concerns.

2 CHAIR WEISENMILLER: Okay. Mr. Ashuckian, would
3 you please respond to her?

4 MR. ASHUCKINAN: Yeah. I would just want to say
5 that the software is continuously being updated and we want
6 users to inform us of all issues and bugs. That's a
7 continuing process. That process will continue for the life
8 of the software beyond this code cycle as well. We also have
9 the offer, the ability to have specific issues addressed to
10 us bringing issues directly to us and we can work with the
11 specific problem. Our staff will work with any individual
12 who has specific issues and work to get those problems
13 resolved and approved even if it isn't done without the use
14 of the software. so those tools and those resources are
15 available to any users who are having issues.

16 CHAIR WEISENMILLER: Who would you recommend that
17 she contact on staff?

18 MR. ASHUCKINAN: Eurlyne Geiszler is the Office
19 Manager for our Building Standards Office and so for
20 software-related issues I recommend you contact Eurlyne.
21 It's compliance forms issues Joan Walter is the Office
22 Manager for the Compliance Enforcement Unit. So if it's
23 compliance forms it would be Joan Walter and if it's software
24 it would be Eurlyne Geiszler.

25 CHAIR WEISENMILLER: Great, thank you.

1 Commissioners, please?

2 COMMISSIONER HOCHSCHILD: So thanks again to
3 Commissioner McAllister for his leadership on this. I'm
4 really pleased to see the progress with Dave Ashuckian and
5 your team and Bob Raymer and all the other stakeholders.

6 I actually wanted to comment briefly, Dave, on
7 water use and how it's affected by the standards as I've been
8 endeavoring to educate myself on some of the water issues of
9 the State. Now, first of all I think what we're in right
10 now, this drought, is not going to be atypical. I think
11 we're actually going to be facing the potential of some very
12 severe long-lasting droughts. And in looking at just our
13 Title 20 savings it's actually quite impressive.

14 I got a briefing this week from the team, so we
15 regulate these ten appliances. And as a result -- you know,
16 these are showers that we're doing, you know, six gallons a
17 minute and are now down to two gallons a minute. Toilets
18 used to be seven gallons to flush, now they're 1.6 and going
19 below. The cumulative savings as a result of standards since
20 1977 is 2.1 million acre feet a year, which is equivalent to
21 two Lake Olsens or covering an entire area the size of the
22 City of San Francisco in 65 feet of water, fresh water, every
23 year. Some people actually might live to see that happen,
24 but the point is I mean I think we've been very effective and
25 so I'd love to hear your comments on the building standards

1 and the water impact we expect from Title 24?

2 MR. ASHUCKIAN: Sure. In 2013 there were some
3 changes to the standards that affect water savings.
4 Primarily the insulation requirements and the piping sizes
5 for hot water on the idea being that we want to minimize the
6 amount of cold water that is wasted as a consumer is waiting
7 for the hot water to arrive at the faucet or the showerhead.
8 And so we continue to look at those standards. That the
9 building standards affect the plumbing system in that sense
10 and so there have been changes in 2013 that affect hot water,
11 try to minimize the use of the cold water that's coming out
12 of the hot water faucet.

13 We will continue to look at, for the next cycle,
14 how we might change the -- work with the plumbing code to
15 change the size of the actual drain system. So that as we
16 continue to reduce the consumption of water in our fixtures
17 the building's plumbing system can handle a lower flow-rate
18 of water without causing problems. And so that's going to be
19 a continuing ongoing effort as well.

20 COMMISSIONER HOCHSCHILD: Good, thank you.

21 MR. ASHUCKIAN: I would also just comment on that
22 point that is a big issue in Title 20 as well where you have
23 the new construction and the retrofit market and they are
24 somewhat different, but the interactions between plumbing
25 systems and the energy issues that we engage with, you know,

1 we're working through those on a number of fronts. So I
2 think we're as an agency, also getting quite educated about
3 those issues as we work more with the other authorities on
4 those issues.

5 COMMISSIONER MCALLISTER: Yeah, I was just going to
6 comment that obviously those standards relate back to the
7 first Brown Administration, which as the Governor has noted
8 that obviously our population is much, much larger than it
9 was in '77 when we had a significant drought. And so having
10 those standards really, you know, put us in a much better
11 position now to deal with the current drought and future
12 ones.

13 MR. ASHUCKIAN: So this is a non-voting item,
14 right?

15 CHAIR WEISENMILLER: It's a non-vote, thank you.
16 Thank you David, for the --

17 MR. ASHUCKIAN: Thanks a lot.

18 CHAIR WEISENMILLER: -- explanation. We're going
19 to go on to Item 6, which is Industry Certification Threshold
20 for Lighting Controls Acceptance Test Technician and Employer
21 Certification.

22 Now, the one thing I was going to mention the
23 Public Advisor to work with people on is we have a number of
24 parties that have multiple people wanting to speak on this
25 topic. And actually you only have one spot, so if basically

1 when it comes to CALCTP and NECA, if you could all sort of
2 either split up the three minutes among yourselves or pick
3 one person, but we really don't need three people speaking on
4 behalf of one organization. So with that let's go to the
5 staff presentation.

6 MR. COMMINS: Good morning, Commissioners. Since
7 2005 commercial lighting and commercial HVAC systems
8 installers have been required to perform an acceptance test
9 for every single newly-installed system. Previous to 2005
10 code required that specific energy features be installed, but
11 there was nothing in place to verify that those features once
12 they were installed, that they actually worked. So an
13 acceptance test verifies that the energy features that are
14 required by code for lighting and HVAC systems are actually
15 functioning after it's installed.

16 A study in 2011 by the California Commission
17 Collaborative found that half the technicians that they
18 shadowed had difficulty performing an acceptance test. So to
19 ensure that these technicians could receive training and
20 correctly perform an acceptance test the 2013 Building Energy
21 Efficiency Standards allowed organizations to apply to the
22 Energy Commission to become what we call an acceptance test
23 technician certification provider and for short we're calling
24 it an ATTCP.

25 So once approved by the Commission the ATTCP trains

1 and certifies technicians and employers on how to properly
2 conduct an acceptance test. At this time any licensed
3 individual is allowed to perform an acceptance test. The
4 2013 energy standards allows the Commission, once specific
5 thresholds have been met, to require only certified
6 technicians who have been trained and certified by an ATTCP
7 to be allowed to perform an acceptance test.

8 The California Lighting Control Training Program
9 for CALCTP who is an interim-approved lighting ATTCP has
10 submitted a report to the Energy Commission declaring that
11 they have met the threshold requirements. So these threshold
12 requirements that are listed in the standards state that
13 there shall be no less than 300 lighting test acceptance
14 technicians who have been certified and trained to conduct
15 acceptance tests. So at this time CALCTP has doubled this
16 amount of certified individuals at over 600 trained and
17 certified. The standards also require that there be
18 reasonable access to training and certification and that
19 access be given to electrical contractors, certified general
20 electricians, professional engineers and certified
21 commissioning professionals.

22 So based on the information provided to the Energy
23 Commission by CALCTP in its report staff recommends that the
24 Energy Commission find that the thresholds have been met.
25 And that to require that on July 1st when the standards go

1 into effect that only certified lighting control acceptance
2 technicians be allowed to perform a lighting acceptance test.

3 I would like to note that we have received
4 stakeholder comments from Karen Prescott, Director of
5 Economic Development for the San Diego chapter of the
6 National Electric Contractors Association and all of these
7 are in support of requiring this threshold. And also from
8 State Assembly Tom Daly, State Assembly member Sharon Quirk-
9 Silva, Patrick Kennedy who is the President of the Sacramento
10 City Unified School District Board of Education and Shelly
11 Keltner, Chief Executive Officer of PDE Total Energy
12 Solutions who is an electrical contractor.

13 So thank you for your time and if you have any
14 questions I would be happy to answer those.

15 CHAIR WEISENMILLER: Great. Okay, so we're going
16 to turn to public comment and again, let's start with CALCTP.
17 But again certainly all three of you are welcome to come up
18 and one person speak or you can split up your three minutes,
19 please? And certainly identify yourselves for the court
20 reporter.

21 MR. ENSLOW: Yes. Good morning, thank you for
22 having us this morning. My name's Tom Enslow, I'm Counsel
23 for CALCTP. And with me is Mark Oulette, who is the
24 Administrator for the CALCTP Program and Bernie Kotlier, who
25 is on the Board of Directors of CALCTP.

1 Basically, we wanted to bring up the team who, you
2 know, worked on this and put together the report. And
3 CALCTP, you know, worked really hard with industry
4 stakeholders to make sure that a sufficient number, you know,
5 to meet the 300 threshold which they went well be over -- is
6 over 600 technicians now certified. And it's open to
7 commissioning agents, engineers, contractors, electricians
8 both union and nonunion. And there's over 63 trainers
9 trained, so there's plenty of opportunities and training
10 occurring at utility training centers, JATCs, community
11 colleges and other independent training centers.

12 So there's plenty of training opportunities that
13 have been held and will continue to be held to make sure that
14 industries have the opportunity to be trained. And we feel
15 there's more than enough people to meet the demand that will
16 start off. I think Bernie had one question and if you have
17 any questions for us after all this, you know, we'll answer
18 it.

19 CHAIR WEISENMILLER: And I guess the one thing is
20 we have a number of cards, the one thing that would be
21 particularly important is if there is anyone who alleges
22 there was not visual access then certainly I'd like to make
23 sure we have them on the record and you have a chance to
24 respond. But go ahead.

25 MR. KOTLIER: Thank you. My name is Bernie Kotlier

1 and I'm the Co-Founder and Co-Director of CALCTP. I just
2 want to make one comment and that is, is that I heard in the
3 earlier testimony there was concern about building officials
4 around the State and inspectors and compliance and
5 enforcement of the standard. And I wanted you to know that
6 CALCTP has conducted 16 workshops all around the State, all
7 the major cities and mid-size cities, even some of the
8 smaller ones. And we have trained, put through training on
9 new Title 24 standards both for equipment and for acceptance
10 testing, over 700 building officials and inspectors in the
11 State, every part of the State. So I just wanted to bring
12 that to your attention.

13 MR. ENSLOW: Yeah, that's terrific.

14 CHAIR WEISENMILLER: And I think that's it for now,
15 if you have any questions afterwards then ask.

16 MR. ENSLOW: Oh sure, that'd be good.

17 CHAIR WEISENMILLER: Thank you.

18 MR. ENSLOW: Okay. Tim Tutt?

19 MR. TUTT: Good morning, Tim Tutt from the
20 Sacramento Municipality District. We're just in favor of you
21 taking this action today. Lighting controls are complicated
22 and getting more complicated and we think well-trained
23 professionals are essential to making the savings happen and
24 work. And we're in favor of that structure starting along
25 with the rest of standards on July 1st, so thank you.

1 CHAIR WEISENMILLER: Thank you. Patrick Kennedy?

2 MR. KENNEDY: Good morning Mr. Chair and
3 Commissioners, my name is Patrick Kennedy. I'm President of
4 Sacramento City Unified School District Board of Education as
5 well as the Chair of the District's Facilities Committee.
6 With over 90 facilities throughout the Sacramento region
7 we're one of the largest building managers in Northern
8 California. Like all school districts we'll be paying
9 considerable sums of money for new Title 24 compliant
10 lighting equipment and will expect it to work at optimum
11 efficiency to produce a good return on our investment and the
12 public's investment.

13 The Title 24 requirement for trained and state-
14 certified acceptance test technicians is a highly effective
15 means of achieving a good return on that investment.
16 Delaying acceptance testing puts property owners' investments
17 in lighting controls at risk. Further staggering the
18 effective date of the various lighting requirements in the
19 code will cause substantial confusion and should be avoided.
20 In construction confusion means costs.

21 Compliance with the lighting control acceptance
22 test requirements will be much more likely and enforcement
23 significantly easier if a certification of requirement goes
24 into effect as the rest of the 2013 energy code. I strongly
25 urge the Commission to take the steps necessary to ensure a

1 concurrent rollout on July 1st, 2014.

2 CHAIR WEISENMILLER: Okay, thank you. And again,
3 as people come forward just to remind them that is the
4 staff's recommendation at this stage, so Chris White?

5 MR. WHITE: Hello. I'm Chris White with Leviton
6 Manufacturing, I'm the Western U.S. Manager. And I'm here to
7 speak on the fact that we have done a lot of training
8 starting back 15 months ago on Title 24. And we feel that we
9 have trained a lot of people very successfully, we see it
10 moving forward. And we, as a manufacturer are very, very
11 excited to see this happen in California. So on the
12 manufacturing side I just wanted to say thank you for your
13 efforts and we look forward to the passage. Thank you.

14 CHAIR WEISENMILLER: Thank you. Okay, now again we
15 have two representatives of the National Electrical
16 Contractors Association. Will you please both come forward
17 and either one speak or split it up or whatever's best.

18 MR. BARROW: Thank you Chair Weisenmiller and
19 Commissioners, I'm Brett Barrow representing the National
20 Electrical Contractors Association. We represent about 800
21 contractors throughout the State who all recognize the
22 importance of the building efficiency standards that are
23 coming forward.

24 We have spent a great deal of time and resources to
25 train our workers to make sure that they're prepared when the

1 time comes to provide quality installations. Our
2 contractors, some have been in the business for decades, have
3 very close relationships with customers who are often times
4 large commercial and industrial. These customers have been
5 making significant investments in these dense lighting
6 controls and it is only fair that they are able to access
7 quality installations that make sure that these work
8 optimally and provide energy efficiency savings that they're
9 intended to do. Thank you.

10 CHAIR WEISENMILLER: Thank you, please.

11 MS. BESST: Hi. I'm Darlene Besst with the
12 Northern California Chapter of NECA and I represent
13 electrical contractors in nine Bay Area counties. And I
14 wanted to thank you for your support of adopting this new
15 certification of July 1st. Our contractors stepped up to the
16 plate, they're ready to go and they spent their time and
17 resources on ensuring that not only their businesses are
18 ready for this new AT certification, but that their
19 installers are ready as well. So thank you.

20 CHAIR WEISENMILLER: Thank you. Dennis Morin.

21 MR. MORIN: Good morning, Commissioners. I'm
22 Dennis Morin, I'm the Director of, to use a new acronym here,
23 Acceptance Testing Training Certified Provider or ATTCP that
24 you heard mentioned before. We provide the training and
25 we've been providing the training for community education for

1 some time.

2 And I just wanted to speak that the average cost
3 today is anywhere between \$500 to \$1500 for someone to go
4 through the training class and we think that's a very
5 reasonable and acceptable fee given the amount of materials
6 and hands on equipment that's required. I come to you today
7 to speak and ask you to vote in favor of the staff's
8 recommendation to implement acceptance testing as we are in
9 full support of that. Thank you.

10 CHAIR WEISENMILLER: Okay, thank you. Kathleen
11 Barber.

12 MS. BARBER: Good morning, Commissioners. Like
13 Dennis I'm also a trainer and I am here to urge you to vote
14 in favor of this. I understand staff has approved, given
15 their recommendations. This training will provide the
16 additional expertise that all electricians need as they
17 install these much more complicated systems. And through the
18 CALCTP AT this type of training is being provided. And my
19 training center is open to anyone that wants to come down and
20 take this training when it's being offered. So it's very
21 much a very open, "Come on in." So I urge you to vote in
22 favor of staff's recommendation. Thank you.

23 CHAIR WEISENMILLER: Okay, thank you. Craig Gini.

24 MR. GINI: Good morning. My name is Craig Gini and
25 I'm the Renewables General Manager and Vice President of

1 Collins Electrical Company, Inc. We're one of the larger
2 electrical contractors throughout Northern California. The
3 question has been brought up, and I just kind of want to
4 address this from my point of view, of are we ready? We have
5 been trained. We have spent a considerable amount of time
6 and energy throughout our company. We have five branches,
7 300 employees and our people have spent a considerable amount
8 of time in the training not only the electricians themselves,
9 but also upper-management, to be prepared for these changes.
10 So we are ready, we have been ready, and we urge you to move
11 forward.

12 CHAIR WEISENMILLER: Great, thank you. Vince
13 Bernacchi.

14 MR. BERNACCHI: Good morning. My name is Vince
15 Bernacchi. I'm the President of Schetter Electric who is a
16 local California-licensed electrical contract. We operate in
17 this market in Northern California in general. And I wanted
18 to take a moment to tell you that I strongly believe in the
19 acceptance testing portion of the new Title 24 to be a key
20 component of the regulation.

21 The energy savings that's to be achieved is
22 dependent upon the advanced lighting controls operating
23 properly. And to that end we have gone to great expense and
24 time spending company resources to get our employees trained
25 and certified to perform the acceptance testing, so as to

1 assure our clients that they get the benefits of the lighting
2 controls systems that the new Title 24 regulations require to
3 be installed in their buildings. And to that end I believe
4 that we are ready to go and that the regulation should go in
5 whole together along with the acceptance testing. Thank you.

6 CHAIR WEISENMILLER: Thank you. Is there anyone
7 else in the room who wants to comment on this item? I
8 believe we have one person on the call, on the phone. Please
9 identify yourself.

10 MR. KLEINBERT: Sorry, this is Martin Kleinbert
11 once again, licensed Electrical Contractor in the State of
12 California plus a recent Acceptance Test Technician
13 certificate holder. I'd like to first thank staff and the
14 Commission for extending the Title 24 to six months, because
15 we gained a lot more people to get involved in the program
16 that were struck a little bit behind the wheel. I support
17 the recommendation of staff to go forward with the acceptance
18 testing, to be part of the implementation of the 2013 July
19 1st Title 24 Part 6.

20 I do have a couple of comments as far as a couple
21 of things. One is important to me is the code section
22 regarding the Quality Assurance and Accountability of the
23 Acceptance Test Technician Certification Provider. And the
24 code specifies for independent oversight and accountability
25 measures as well as that they shall have government

1 department surveys for determining acceptance testing
2 effectiveness and expert review of the training curricula.
3 And also there shall be visits to building sites where
4 certified technicians are completing acceptance tests.

5 And from taking class and dealing with the -- what
6 I was told was that the Quality Assurance Program is
7 basically an after-the-fact as presented to the Energy
8 Commission in the application. And when I say after the fact
9 that means after a building permit has been filed and the
10 building is occupied. And I don't see this as a problem in
11 public buildings. I don't see this as a problem in schools,
12 placed high-rise buildings in certain spaces where the
13 general public's allowed to walk in and take a look.
14 However, I do see it as a problem on the smaller projects,
15 which that's kind of where I'm going to be involved with.

16 And I don't see, just past experience doing this
17 for 30 years, you don't have the ability to go in and do
18 audits on buildings after the owner takes possession. I
19 mean, it's their building and a lot of them, they take it
20 upon themselves, they'll do what they want. And quite
21 frankly, I don't want to be held responsible for something
22 that an owner does through his own staff or their own second
23 handyman or whoever they hire to do maintenance work or
24 changes. I don't want to be held responsible for these types
25 of audits. I think it needs to be done, I think the best

1 place and time is immediately when the testing is being
2 commenced or finished, but to do it several weeks, months,
3 years after a building has been commissioned I think is
4 problematic.

5 And so I just wanted to make my point. I want the
6 program to move forward and hopefully maybe some of these
7 things of my concerns will be taken into effect in the weeks
8 and months coming forward. Thank you.

9 CHAIR WEISENMILLER: Okay, thank you. Staff, do
10 you have comments on his issue?

11 COMMISSIONER MCALLISTER: I was wondering if Mark
12 could come up and talk a little bit about his QA Program that
13 he's put together.

14 CHAIR WEISENMILLER: I'll comment and I'll let Mark
15 chime in if he might want to add to it, but I know with Cost
16 TPs (phonetic) program they require any follow-up onsite
17 quality assurance test would be within how many days?

18 UNIDENTIFIED SPEAKER: Forty-eight hours.

19 MR. WIESE: It's in 48 hours of the installation,
20 so that shouldn't be an issue. And, you know, we have had
21 conversations with staff already about ensuring any Quality
22 Assurance Program will be affordable and workable for the
23 technicians and the contractors. And as this program moves
24 forward we'll continue working with staff to make sure that
25 any adjustments are made to make sure that this works as

1 planned. Right now we think we have a good plan in place,
2 but of course we're going to be listening to any complaints
3 as it moves forward.

4 One other thing I forgot to mention is we really
5 want to thank staff for all of their hard work, particularly
6 Tav and Joan Walters. You know, they were invaluable in
7 moving us through this project and we'd like to recognize
8 their work.

9 CHAIR WEISENMILLER: Great, thank you. Is there
10 anyone else on the phone? Okay. So I had indicated that if
11 anyone questioned reasonable access certainly you'd have a
12 chance to respond. I did not hear anyone question that, so I
13 think at this point we will transition over to the
14 commissioners.

15 COMMISSIONER MCALLISTER: So I'm really happy to
16 see this item come to the agenda and I want to just thank Tav
17 and Joan for the major heavy lifting in the last few weeks on
18 this issue. A lot of evaluation to do, a lot of detailed
19 work and I really appreciate your engagement and coming up to
20 speed sort of under, I won't say exactly duress, but this
21 popped up to the top of the priority list of things we want
22 to do. And you really handled it with grace and
23 determination, so thank you.

24 And also all of the stakeholders who've been
25 involved, we have certainly heard you and read the letters

1 that came in encouraging this to move forward quickly. And I
2 think, you know, staff has relied on statute strictly and
3 effectively and transparently on making this recommendation
4 in my view.

5 You know, we're happy to report that we seem to be
6 well along adapting, adopting to a new acronym in our
7 vocabulary, which is excellent. You know the ATTCP approach
8 is sort of an analogue in some way to the way we've done
9 things for a while on new construction with the residential
10 sector. It's a way to get quality assurance and in a way,
11 create what we hope will be a sustainable marketplace for
12 this kind of work that I think we all agree is needed out
13 there in increasingly complex systems to get them operating
14 well.

15 You know, no doubt as we move forward the rest of
16 contracting and technician community are going to figure this
17 out this is happening, if they don't already know, there'll
18 be some bumps in the road. We're listening to the
19 marketplace. We're listening out there to see whether there
20 are additional needs. But we established the threshold for a
21 reason and now we're applying it and I think that's exactly
22 what we set out to do and what's happening. So I'm really
23 happy that we're at this point.

24 COMMISSIONER SCOTT: You know the accessibility
25 issue is probably one of those, I have a sneaky suspicion

1 that we haven't heard the last of that issue from the various
2 stakeholders out there. I think those that have been engaged
3 really have seen this coming and are prepared for it, but
4 that by no means means that everybody's been engaged. And I
5 think we just have to be ready to deal with those sort of
6 queries as they come up, so we can orient folks and get them
7 on board and in with the system. But that's not a reason to
8 delay.

9 And with that I think, you know, I'm obviously
10 fully supportive of going forward with this and really
11 excited to see how it evolves in the future. You know, we're
12 talking about new construction essentially or new system
13 installation and getting them over the quality sort of
14 commissioning level. The acceptance testing is a critical
15 piece, but these systems then operate for years, for decades
16 and so they remain complex systems. And so they're going to
17 need some TLC and we're going to learn a lot about them.

18 And I think having that technician base out there
19 with the adequate knowledge and understanding of the actual
20 equipment that's been installed, how these systems operate,
21 is going to be critical not just at the front end, but also
22 throughout the lifetime of these systems. So it's a good, I
23 think, infrastructure that we are trying to create. So, you
24 know, we need to sort of keep paying attention, but I'm
25 really optimistic about this going forward.

1 So I want to again, thank staff and all the
2 stakeholders who've rolled up their sleeves on this issue.

3 COMMISSIONER SCOTT: Thank you so much for your
4 leadership, this is Janea, so much for your leadership on
5 this. And I had a terrific briefing from Tav and others on
6 the staff on how this is all coming along. And I just wanted
7 to note that as the public member that I'm really encouraged
8 to hear your openness and flexibility and willingness to
9 continue working with folks to continue to make it accessible
10 and be willing to continue to take that on. So I appreciate
11 that, thank you.

12 COMMISSIONER MCALLISTER: I will move Item 6.

13 COMMISSIONER SCOTT: Second.

14 CHAIR WEISENMILLER: All those in favor?

15 (Ayes.) This item passes 4-0.

16 Let's go on to Item 7, University Enterprises, Inc.

17 MS. BERENSTEIN: Good morning Chairman and
18 Commissioners. My name is Maunee Berenstein, I'm from the
19 Appliance Efficiency Program. Section 1608(b) and (e) of
20 Title 20 Appliance Efficiency Regulations require that
21 appliances, which are sold or offered for sale in California
22 be periodically inspected and tested to determine conformity
23 with applicable standards. The proposed contract with the
24 California State University of Sacramento Engineering Lab
25 also known as University Enterprises, will enable us to

1 perform this regulatory duty.

2 In addition to fulfilling our regulatory duty we
3 will be able to evaluate the validity of complaints that are
4 received from consumers and stakeholders by testing
5 appliances that program believes do not meet our current
6 standards. These testing results will be used to support our
7 enforcement actions and for general data collection purposes.
8 The Sac State Engineering Lab has professors and experienced
9 technicians to perform this work and will provide educational
10 opportunity decisions.

11 The findings of this contract is from the
12 Department of Energy through a state energy program federal
13 grant. Staff recommends approval of this agreement with
14 University Enterprises. If there's any questions I'd be
15 happy to answer them.

16 CHAIR WEISENMILLER: Thank you. Commissioners, any
17 questions or comments?

18 COMMISSIONER MCALLISTER: Just want to point out
19 again energy efficiency, as lead commissioner I would just
20 sort of help folks connect the dots on all the stuff that's
21 going on. It's great to hear that we have grant funding to
22 do this and I think it's not the first time that we've taken,
23 that we've worked with DOE and gotten the federal resources
24 to develop something that actually turns out to be useful
25 beyond our borders. And I think that's their intent in

1 providing those resources and working together on this sort
2 of generally speaking.

3 And this is a really key activity that we have. We
4 have Title 20 Appliance Authority in helping us figure out
5 how to link our regs to the marketplace. This is really key
6 and this is a real important piece of the puzzle to enable
7 that to happen, to actually get our hands on devices and have
8 them tested so that we know they comply.

9 And I want to thank Maunee for really owning this
10 issue. I mean, this is her -- you live and breathe this and
11 I really do appreciate that. It's very, you know, clear your
12 commitment. And I think it's critical to making this --
13 linking up the real world with what's on the paper in the
14 regs is really the critical step in all this, so thank you
15 for your effort.

16 MS. BERENSTEIN: Your welcome, thank you.

17 COMMISSIONER MCALLISTER: Okay. I will move Item
18 7.

19 COMMISSIONER SCOTT: Second.

20 CHAIR WEISENMILLER: All those in favor?

21 (Ayes.) This item passed 4-0. Thank you.

22 MS. BERENSTEIN: You're welcome, thank you.

23 CHAIR WEISENMILLER: Let's go on to Item 8, which
24 is Order Instituting Informational Proceeding on AB 1103.
25 Daniel Johnson, please.

1 MR. JOHNSON: Good morning Chair, Commissioners.
2 My name is Daniel Johnson and I am the Project Manager of the
3 Nonresidential Building Energy Use Disclosure Program also
4 known as Assembly Bill 1103. This bill's enforcement began
5 on January 1st, 2014. AB 1103 requires commercial building
6 owners to disclose to the Energy Commission and any
7 prospective buyer, lender or leasee the most recent 12 months
8 of their energy use upon sale, lease or refinance.

9 Building owners use the Energy Star Portfolio
10 Manager Benchmarking Tool, which is hosted by the United
11 States Environmental Protection Agency. The Data
12 Verification checklists are generated by Portfolio Manager
13 and acts as the disclosure. The implementation schedule set
14 by the CEC affects entire nonresidential buildings 10,000
15 square feet and greater and expands to 5,000 square feet
16 beginning July 1st this year. The purpose of this order
17 instituting an informational proceeding is to evaluate
18 program effectiveness and examine barriers to compliance for
19 all stakeholders.

20 As I mentioned AB 1103 was set to expand its square
21 footage requirement to include buildings 5,000 square feet
22 and greater on July 1st, 2014. Concurrently, with the OII
23 staff will be recommending that the Energy Commission delay
24 expansion of the program between 5,000 and 10,000 square
25 feet. However, the current requirement for 10,000 square

1 feet and greater will still remain in effect. Staff
2 recommends the adoption of this OII. Thank you.

3 CHAIR WEISENMILLER: Thank you. We have some
4 comments, both in the room and on the phone, so let's first
5 go to Bob Raymer or actually let's go to Matt Hargrove.

6 MR. HARGROVE: Thank you Mr. Chair and
7 Commissioners. My name is Matthew Hargrove. I'm here today
8 representing a pretty broad range of commercial real estate
9 groups who have been engaged on this issue since it was a
10 piece of legislation. Unfortunately, I'm here today to let
11 you know that the rollout has been difficult at best and some
12 of our members would say it's fairly disastrous. I think
13 some of the rollout issues date all the way back to when the
14 bill was written and some of the regulations that were
15 written prior to current staff sitting here at the table.

16 But we would like to help. We would like to be
17 part of the proceeding as we move forward. We have a few
18 suggestions that we hope that you'll consider as you look
19 forward at the implementations on 1103.

20 In Item 3 we do think that you should be talking
21 with the realtors, but you should also be talking on the
22 commercial context to groups like BOMA and ICSC and NAOP
23 (phonetic), because in the commercial context many of these
24 transactions are done in-house. They don't go through a real
25 estate agent. And I think a lot of the issues that have come

1 up in the implementation has been a lack of understanding in
2 this building in terms of how commercial real estate
3 transactions actually work, the types of information we can
4 get and what we can report, how we interact with tenants, the
5 difference between a owner-occupied building and multi-
6 tenanted building are huge in their operational impacts.
7 It's not all like a single-family home.

8 We also have been asking the CEC to work with the
9 Department of Real Estate over the years. We think that's
10 been a huge issue as to why these regulations have evolved in
11 the way they have. Is that you haven't had the state agency
12 that works with those constituencies on real estate informing
13 the process. Now, I'm sure there's been some discussions in
14 the background, but in terms of being a fully engaged partner
15 and stakeholder the Bureau of Real Estate now has not been at
16 the table.

17 Additionally, we'd like to suggest that you add a
18 number five on there and ask yourselves whether or not the
19 regs that were adopted indeed comply with the legislation
20 1103. We think that there are things within the regulation
21 that are clearly outside the scope of 1103 including the way
22 that the 1103 was described today. And that is the reporting
23 regime to CEC, that was not contemplated as the bill was
24 moving through the Legislature. That is now a big part of
25 many of the complaints that we're getting from members.

1 The number one call I get from members is issues
2 with how to implement 1103. And the reporting piece of this
3 is not just the utility piece of getting information from
4 utilities, it's the reporting regime that's in the
5 regulations. I could tell you that wasn't contemplated as
6 the bill was moving forward, because as the bill moved
7 forward there was no cost. CEC said it was an absorbable
8 cost and we all know that the reporting piece of this has
9 been a huge cost to the Energy Commission, so we think that
10 that's something that's come after the fact and really should
11 be looked at. Also the issue that there's no funding stream
12 from the Legislature on this as it moves forward.

13 We want 1103 to be effective, because it's going to
14 have a big impact on as we move forward to 758, which we want
15 758 to be effective. Commercial real estate wants to be part
16 of the solution. We want to be here to help you. We think
17 that we've been at the table all along and want to continue
18 to be there to help, so thank you very much.

19 CHAIR WEISENMILLER: Thank you. Bob Raymer?

20 MR. RAYMER: Thank you Mr. Chairman and
21 Commissioners. Bob Raymer with the California Building
22 Industry Association and we're very much in support of
23 initiating this OII. CBI was supportive of AB 1103. We were
24 also supportive of, I believe, the one or two rulemaking
25 proceedings that you had on this. I would like to say that

1 in terms of actual field application it's extremely difficult
2 to get the utility billing information in a timely manner.
3 As a matter of fact, it's often it doesn't happen. It's not
4 just that it doesn't happen in a timely manner, it doesn't
5 happen at all.

6 Now, for the short term getting your hands on the
7 utility billing information can certainly help provide
8 tenants with informed decisions on rental properties. You
9 know, for the building owner and manager it helps you focus
10 on those retrofit items that can get you the biggest bang for
11 the buck, but for the long term having access in a timely
12 manner to this information is going to help industry show to
13 the lenders and the appraisers that there's economic value
14 above and beyond the calculated value that Energy Commission
15 does a good job of doing every time we update the standards.
16 We've got to be able to show the lenders and the appraisers
17 that there's an economic value to this. A very successful
18 implementation in the field of AB 1103 gets us there.

19 And so we look forward to working with you on this,
20 if you approve this OII, in trying to find out what is
21 currently the hurdles of getting this information out in a
22 timely manner. Thank you very much.

23 CHAIR WEISENMILLER: Thank you. Let's go to
24 Jennifer Svec from the Realtors.

25 MS. SVEC: Good morning. Thank you for allowing me

1 to come and speak today, Jennifer Svec with the California
2 Association of Realtors. We are very supportive of this
3 action. We echo the same concerns that the builders have as
4 well as the business property owners. We look forward to
5 working with the Commission and its staff as we go forward to
6 create an effective program for AB 1103 as we can apply it
7 eventually to the successful implementation of AB 758. Thank
8 you.

9 CHAIR WEISENMILLER: Thank you. Manny Alvarez?

10 MR. ALVAREZ: Good morning, Commissioners. Manuel
11 with Southern California Edison. I want to support your
12 action today to open up this rulemaking. We look forward to
13 working with the Commission on the data needs and
14 requirements. I think you're aware of the complexities that
15 go with utility billing data and its relationship to the
16 customer and how that information gets released and whose
17 authority you get release under. It belongs to the customer
18 and it's their data and it's their choice of how they release
19 it. We're willing to work with you, how we establish those
20 processes and the new standards you want to establish in this
21 activity, so we encourage your support for this action.

22 CHAIR WEISENMILLER: Thank you. Valerie Winn,
23 PG&E.

24 MS. WINN: Good morning Chair Weisenmiller and
25 Commissioners. PG&E is very supportive of the rulemaking

1 that's going to be open to discuss this issue and we have
2 been working with the CEC staff now for a number of years as
3 has other parties. And, you know, there are some significant
4 barriers that we have been encountering and for us, primarily
5 related to data privacy as my colleague from Southern
6 California Edison mentioned. That data does belong to the
7 customers and so as we look at the buildings in our service
8 territory and how can we come into compliance many of our
9 buildings may have only one or two tenants. And so we've had
10 a real stumbling block as to how do we interpret the various
11 customer confidentiality provisions that we get from the
12 Legislature, from the Energy Commission and from the CPUC.

13 So we really need some help from the Energy
14 Commission in figuring out how to integrate all of that
15 feedback we've been getting from various constituencies, so
16 that we can effectively implement these requirements. So we
17 look forward to working with you. Thank you.

18 CHAIR WEISENMILLER: Thank you. It looks like Tim
19 Tutt has left the room, so we'll now turn to the -- wait,
20 actually one person on the line, excuse me. Randy Walsh, San
21 Diego?

22 MR. WALSH: Yes, if you can give me a quick sound
23 check I'll get started.

24 COMMISSIONER MCALLISTER: We can hear you.

25 MR. WALSH: Basically, thanks for the opportunity

1 to address the Commission this morning in support of
2 formalizing an informational proceeding to discuss the
3 implementation of AB 1103 to date. I'm going to briefly
4 introduce myself and my firm. I'm Randy Walsh with San Diego
5 Energy Desk. I just want to provide some marketing context,
6 encourage broader outreach and make a few recommendations
7 from this side of the desk for consideration during the
8 informational proceedings.

9 My firm San Diego Energy Desk is a commercial real
10 estate consulting firm sitting in a unique market niche. I'm
11 a real estate professional, not an engineer, with over 20
12 years of real estate industry experience who is now focused
13 on improving energy efficiency in commercial real estate.
14 Our existing client roster covers the entire --

15 COMMISSIONER MCALLISTER: (Overlapping)

16 MR. WALSH: Sorry?

17 COMMISSIONER MCALLISTER: Sorry, to interrupt, but
18 we've got your letter in front of us and, you know, I think
19 we can read it in its entirety. But if you can sort of get
20 through it in a couple more minutes that'd be great. Okay,
21 thanks.

22 MR. WALSH: So again, my client roster covers the
23 entire State of California, but I'm based in San Diego, which
24 is home to the very first Energy Star-labeled building in the
25 nation, which is soon to celebrate its 15th anniversary.

1 In meeting the business objectives of San Diego
2 Energy Desk and fulfilling client requirements, I've
3 developed subject matter expertise in the language and intent
4 of AB 1103 and the technical aspects of Energy Star Portfolio
5 Manager. I conduct trainings and workshops for commercial
6 real estate attorneys, brokers, lenders, owners and managers
7 in both AB 1103 compliance strategies and using the Portfolio
8 Manager tool.

9 I continue to work with clients ranging from single
10 and multi-tenant office buildings to multi-tenant lifestyle
11 retail centers and from private museums to food banks to
12 benchmark energy proficiency performance. And since January
13 1st I have submitted several sets of AB 1103 compliance
14 documents to the California Energy Commission on behalf of
15 clients completing eligible real estate transactions.

16 In sharing these comments with you today, I hope to
17 expand your current circle of stakeholders to include San
18 Diego Energy Desk and other firms like mine seeking to
19 partner with the State in achieving extraordinary energy
20 efficiency improvements in the built environment. I believe
21 the bold and aggressive market the California Energy
22 Commission is seeding can support these new business ventures
23 and together we can contribute an important voice to the
24 process of designing and refining related regulations,
25 policies or programs. As the purpose and agenda is created

1 for the informational proceeding I recommend the following
2 areas receive attention and discussion.

3 First, differentiation between an energy
4 performance benchmarking path and a compliance benchmarking
5 path and developing and aligning processes specific to each
6 path. The CED, through AB 1103, is defining a compliance
7 path. Systems put in place throughout the State to comply
8 with AB 1103 should not hinder energy performance
9 benchmarking projects.

10 Two, expansion of AB 1103 to focus on long-term
11 performance benchmarking rather than short-term compliance
12 benchmarking. Commercial property owners don't yet see the
13 benefit of advanced preparation. Utility companies are
14 reconfiguring their third-party data authorization protocols
15 specifically for compliance path projects, which is making it
16 more difficult and expensive to undertake performance
17 benchmarking projects.

18 Then number three, resolution of the extreme
19 inconsistencies in third-party data authorization and
20 distribution protocols by any and all utilities throughout
21 the State, for both compliance and performance benchmarking
22 projects. Right now, protocols, when in place, run the
23 gamut from lenient to extremely restrictive.

24 In closing, the market is changing and firms like
25 mine are responding. Our collective experience and expertise

1 provides another important voice in the legislative and
2 regulatory process. If possible, I look forward to
3 participating in the informational proceeding and providing
4 some additional perspective from this side of the desk. Thank
5 you again for the opportunity to address.

6 I'm just going to look here quickly, do I have any
7 time left? I want to just commend the staff that I've been
8 working with over the past few years. I'm glad Daniel's back
9 on. Again, it's been great dealing with Robin Mayer, Joe
10 Loyer, Justin Regnier. I have found the staff to be very open
11 and accessible and I think they've been serving CEC so well.
12 Thank you.

13 COMMISSIONER MCALLISTER: Thank you, very much.

14 CHAIR WEISENMILLER: Thank you. Tim Tutt?

15 MR. TUTT: Good morning again Chair Weisenmiller
16 and the Commissioners. Tim Tutt from SMUD again and we're, I
17 think, happy that you're opening up this informational
18 proceeding here. AB 1103 addresses, of course, the end goal
19 is energy savings in existing buildings. And we know we need
20 that energy savings in existing buildings as well as in the
21 new buildings that your building standards cover. It's a
22 program that had a good intent and has had, you know, sort of
23 a rough start, has been some delays and some hiccups. But at
24 SMUD it's taken a lot of work, a lot of coding and a lot of
25 good staff work, but we're working well now with our

1 customers on 1103. And we just wanted to come up and support
2 getting the kinks out of the program and continuing forward
3 with it. So thank you.

4 CHAIR WEISENMILLER: Thank you. I believe we've
5 gotten all the comments from the room and the phone, so I'll
6 transition to the Commissioner discussion.

7 COMMISSIONER MCALLISTER: Great. I guess, you
8 know, we've got a string of energy efficiency things here. I
9 hope that means I'm not doing a bad job if we have so many,
10 you know, so many issues coming before me anyways.

11 So let's see, I guess I came to the Commission at
12 the tail-end of the development of the 1103 regs and I think
13 in the time that we've all been observing what's happening
14 actually with them in the marketplace, I think we've realized
15 there are some kinks as Tim said and there are some --
16 there's a need there to kind of unpack what's going on in the
17 marketplace. And, you know, we'd have lots of conversations
18 with many, many stakeholders across the State including
19 investor-run utilities, publicly-owned utilities including
20 SMUD and PG&E and also many stakeholders in the real estate
21 industry, Northern California and Southern California. And I
22 think the consensus is that we all want this to work.

23 You know, I do share staff's concern about
24 dramatically expanding the scope at this time when there are
25 serious concerns about the program's effectiveness. So we

1 have to open up some proceeding and we've chosen an
2 informational proceeding to investigate what's going on. And
3 but at the same time we don't want to fully suspend this
4 program. It is law. There are existing regs and we do
5 expect compliance.

6 So we've, Commissioner Douglas and I have been
7 working closely on this. She is in D.C. right now, so I
8 think I can speak on her behalf that we both would have asked
9 the Executive Director to look into options to delay
10 extending the program to the smaller buildings between 5,000
11 and 10,000 square feet for one year until July 1st, 2015.
12 We're looking at the options for how we want to do that
13 whether it's an emergency reg or something or another type of
14 process. But this is not suspending enforcement of the
15 existing regs. It's a formal, it's delaying the application
16 of this change from 10,000 to 5,000.

17 So again, we continue to expect compliance with the
18 current standards. You know, nonresidential buildings
19 greater than 10,000 square feet that are sold, leased,
20 financed or refinanced must be benchmarked. If building
21 owners can't retrieve actual energy data from their
22 respective utility company the current regulations allow for
23 energy usage to be approximated, so that's always an option.
24 Obviously not ideal, certainly from my perspective not ideal,
25 the approximation gives you an average number. And what an

1 individual building owner or potential purchaser needs isn't
2 an average number. It's not a typical number. It's the
3 number for that building, so they can make decisions about
4 that building. It's part of the transaction that's needed.

5 So, you know, this program is important for reasons
6 I think beyond the strict statute that was adopted as part of
7 this law. We know that in other parts of the country
8 disclosure is becoming a go-to policy. Understanding a
9 building better, information about a building is helpful for
10 the marketplace to develop a value proposition and elicit
11 action in that regard. So if a building owner, you know, the
12 sort of broader contracting community, the building property
13 owner, the tenant don't have good information about a
14 building they can't make good decisions. And so disclosure
15 is emerging as a way that empowers people to make better
16 decisions, you know, in a marketplace.

17 But existing buildings, the State and any
18 individual entity, doesn't have anywhere near the resources
19 to upgrade our existing buildings. And so the marketplace
20 has to come make that happen. And in order for that to
21 happen there needs to be a clear value proposition that's
22 fully understood or at least understood enough to motivate
23 action. So 1103 has repercussions, I think, beyond its sort
24 of strict profile. And so we really need it work well in
25 order to establish a track record, understand what happens

1 and then potentially expand beyond that whether that means
2 additional legislation, whether it means something within our
3 existing authority I think remains to be seen.

4 But efficiency services and energy efficiency
5 innovation generally, you know, we really need to figure out
6 ways to get our programs more effective and interactive with
7 the marketplace, so that's the overall message. I'm really
8 looking forward to unpacking and interpreting as several of
9 the commenters said, unpacking these issues and certainly
10 interpreting what statute actually says and the various
11 statutes and, you know, PEC code and etcetera trying to help
12 provide guidance.

13 I mean, to some extent I think there's a yeoman's
14 work to unpacking language, comparing and contrasting,
15 looking at what is actually built in to the language wherever
16 it may fit and what is really just practice, sort of default
17 practice, and comparing all that stuff, figuring out through
18 this rulemaking what the actual situation is and then trying
19 to move forward on decisions to revisit the reg if we need
20 to. You know, I think there is some feeling that more detail
21 is needed, more guidance, more direct guidance is needed. I
22 think we heard that in various comments here. But we will
23 vet all these issues in the course of the informational
24 proceeding and we want to move forward with that relatively
25 quickly.

1 There is a date of July 2nd for a workshop and I
2 want to project that, make sure everybody knows that it will
3 be noticed. And we're looking forward to working with all
4 the stakeholders, the utilities, building owners, industry
5 associations to find a path to making this program a success
6 and very much support this item obviously. I want to thank
7 staff for moving so quickly on this. I think the call from
8 San Diego highlighted all of our staff that's been involved.
9 It's very nice to have Daniel leading the charge here. I
10 certainly would encourage stakeholders to reach out to him if
11 you haven't already. And with that I'll see if there are
12 other comments from the others.

13 UNIDENTIFIED SPEAKER: All right.

14 COMMISSIONER MCALLISTER: All right, then I will
15 move Item 8.

16 COMMISSIONER HOCHSCHILD: Second.

17 CHAIR WEISENMILLER: All those in favor?

18 (Ayes) Item 8 passes 4-0. Thank you.

19 MR. JOHNSON: Thank you.

20 CHAIR WEISENMILLER: Let's go on to Item 9. Clean
21 Energy Jobs Act 2013 Program Implementation Guidelines.
22 Elizabeth Shirakh, please.

23 MS. SHIRAKH: Good morning, Commissioners. My name
24 is Elizabeth Shirakh and I'm from the Local Assistance and
25 Financing Office of the Energy Efficiency Division. I'm the

1 Project Manager for the Proposition 39 California Clean
2 Energy Jobs Act 2013 Program Implementation Guidelines
3 referred to as "the guidelines" from this point forward in my
4 presentation.

5 For your consideration and possible adoption today
6 I am presenting the proposed substantive changes to the
7 guidelines pertaining to charter schools. The guidelines
8 govern the Energy Commission's implementation of the
9 California Clean Energy Jobs Act Program and provide
10 direction to the potential applicants on their participation
11 in the program.

12 The Energy Commission approved the guidelines on
13 December 19th, 2013. The Commission launched the Proposition
14 39 Program on January 31st, 2014 with the public release of
15 the application forms known as the Energy Expenditure Plan,
16 the Energy Expenditure Plan Handbook and the simple Energy
17 Savings Calculator tools. Local education agencies or LEAs
18 began submitting energy expenditure plans to the Commission
19 on February 2014. Another first-year milestone is the
20 completion of energy planning funds reservation request
21 period. Out of a total of 2,010 LEAs eligible for Prop 39
22 funding awards this fiscal year 1,644 LEAs have requested
23 Prop 39 energy planning funds totaling over \$153 million.

24 Today, for your consideration, I have the proposed
25 substantive changes to the guidelines. These documents were

1 posted on the Energy Commission's Prop 39 webpage 15 days in
2 advance of today and are provided in the business meeting
3 material backup and include the Proposition 39 guidelines
4 underline and strikeout and the guideline substantive changes
5 summary.

6 The proposed changes to the guidelines clarify
7 eligibility requirements for LEAs specifically, charter
8 schools that occupy publicly-owned facilities, charter
9 schools in leased privately-owned facilities and charter
10 schools owning their own private facilities. These changes
11 would bring the eligibility rules into alignment with the
12 recently posted Energy Conservation Assistance Act Education
13 Subaccount Loan Program, also known as ECAA-Ed.

14 The first change clarifies eligibility of LEAs in
15 publicly-owned facilities. These LEAs are typically charter
16 schools leasing a publicly-owned facility from a public
17 school district. The guidelines approved in December didn't
18 make a distinction between leased, publicly-owned and leased,
19 privately-owned facilities. The proposed change will now
20 allow these charter schools and publicly-owned facilities
21 whether or not they have a signed lease to apply to the Prop
22 39 Program following the general cost-effectiveness
23 determination, the savings to investment ratio or SIR as all
24 publicly-owned facilities are required to do. Additional
25 cost-effectiveness criteria will no longer be required.

1 The second change clarifies eligibility for LEAs
2 leasing privately-owned facilities. Again, typically this
3 would be a charter school. The guidelines approved in
4 December required all charter schools to have an additional
5 cost-effective determination requiring a simple payback of
6 either within the remaining period of the lease period or the
7 remaining period of the charter term, whichever is shorter.
8 To bring the eligibility requirements into align with ECAA-
9 Ed, only the charter schools that have not renewed their
10 charter term at least once prior to submitting an energy
11 expenditure plan must only meet the simple payback criterion
12 within the remaining period of the charter contract term.
13 The lease agreement period limit will be removed from this
14 simple payback consideration. Charter schools in leased
15 privately-owned facilities in their second charter renewal or
16 beyond will not have the simple payback requirement.

17 The third and final change clarifies eligibility of
18 LEAs in their own privately-owned facility. Again, typically
19 these are charter schools. The guidelines approved in
20 December were silent on the eligibility of privately-owned
21 facilities. Therefore the proposed changes being considered
22 today add definition to this category of charter school
23 facilities.

24 Following the same eligibility cost-effectiveness
25 criteria just described for charter schools leasing

1 privately-owned facilities the same rules will apply.
2 Charter schools that have not renewed their charter term at
3 least once prior to submitting an energy expenditure plan
4 must include a special payback criterion as part of the cost-
5 effectiveness determination. And that simple payback must be
6 within the remaining period of the charter term.

7 These are the only changes to the guidelines
8 recommended for consideration today. The Energy Commission
9 is planning a comprehensive substantive changes cycle for the
10 guidelines beginning in the fall of 2014 with completing near
11 the end of the year. Staff have been compiling requested
12 changes since the guidelines were adopted in December of
13 2013. And more details on this top public input process and
14 the schedule will be posted on the Commission's Proposition
15 39 webpage later this summer.

16 And this concludes my presentation and I'd be happy
17 to answer any questions.

18 CHAIR WEISENMILLER: Thank you. We have one public
19 comment. Michelle Low.

20 MS. LOW: Good morning. Michelle Low on behalf of
21 the California Charter Schools Association. We are in
22 support of these changes as they do recognize many of the
23 concerns we've heard thus far from our members about this
24 program. I do want to thank the staff for their hard work on
25 this program, especially their efforts to recognize and

1 understand our unique charter school issues. Thank you.

2 CHAIR WEISENMILLER: Thank you. Valerie Winn.

3 MS. WINN: Good morning. PG&E did want to thank
4 the staff for the speed with which they've moved this
5 refinement to the guidelines forward. We're very supportive
6 of this, because we really feel like it gives the schools,
7 which are our customers, you know, more of the projects that
8 they propose will cross the cost-effectiveness threshold.
9 And they will actually be able to perhaps pursue projects
10 that are a bit more comprehensive and will have longer
11 lasting energy reductions than they might have been able to
12 perform before. And so thank you again for doing that so
13 quickly. And we are looking forward to the larger process
14 that will start up this fall. I know we've been meeting
15 regularly with Energy Commission staff and that's been a
16 really great process for bringing issues forward. And we
17 look forward to continue to working with you on this really
18 important program. Thank you.

19 CHAIR WEISENMILLER: Thank you. Okay,
20 Commissioners questions, comments?

21 COMMISSIONER SCOTT: Hi. Good morning, thank you
22 for the excellent presentation and also for the terrific
23 briefing earlier this week. I just wanted to check with you,
24 you mentioned that you're going to post all of this to the
25 webpage and a lot of it has been posted to the webpage. How

1 else will you make sure that the charter schools know that
2 these changes have been made and sort of know how to engage
3 under these updates?

4 MS. SHIRAKH: Well, thank you for asking. We are
5 planning to provide training to the charter schools similar
6 to the training we provided in February and March to all
7 LEAs. This training includes -- it will obviously include
8 the changes to the eligibility requirements that I just
9 proposed as well as how to fill out the forms and any other
10 questions on applying to the Prop 39 Program.

11 COMMISSIONER MCALLISTER: So thanks for that.
12 Maybe you could give a little background, you know, this is
13 partly in alignment with other funds that are available for
14 charter schools in the terms of those funds, mainly ECAA. So
15 here we're talking about Prop 39 and I guess I want to both
16 get a little more information out there on the record about
17 the potential for combining those programs and what the
18 situation with ECAA is for schools. And then also encourage
19 the charter schools associations to engage, I know they are
20 by and large, but just engage and get the word out as
21 effectively as they can as Commissioner Scott suggested. But
22 maybe you could just highlight the context and the sort of
23 complementary nature of the ECAA loan funds in Prop 39?

24 MS. SHIRAKH: Certainly, well the Energy Commission
25 received a \$28 million of Prop 39 funding for our ECAA, which

1 we call ECAA-Ed. This would be for the same LEAs, which are
2 public schools, charter schools, Office of Education and Free
3 State special schools. The Energy Commission in our past,
4 our regular ECAA program, has not been able to offer this
5 loan to charters and so there was additional language and
6 eligibility language that needed to be established for this
7 new ECAA-Ed Program. So now it's really a compliment to the
8 Prop 39 Program that offers grants to LEAs and now we have a
9 loan program that can provided additional funding for energy
10 efficiency and clean energy projects to these population of
11 LEAs.

12 COMMISSIONER MCALLISTER: Thanks very much. I
13 mean, you know, obviously we all want deeper projects where
14 we can justify them. This has been a result of a lot of
15 conversations, you know, with the Legislature and the various
16 powers that be outside these walls as well as within. So I'm
17 happy with the resolution and part of the success here has
18 just been consistency. You know, we can just have a
19 consistency, so that there's not confusion out there in the
20 marketplace among the schools themselves and the contractors
21 that help them. So I'm very supportive of this.

22 And I think I also want to highlight the quickness
23 and the effectiveness that staff developed and fleshed out
24 these changes and proposed them, got them in front of us.
25 And undoubtedly there will be, you know, it's a five-year

1 program, there are going to be other things that come up.
2 There's a mechanism for making these sorts of changes and I
3 just kind of want to reassure people that that exists and
4 that when particular discussions happen there is a way to
5 incorporate changes of -- you know, they do come of lesser
6 and greater significance and take less or more time as a
7 result. And so, you know, the staging is important, but I
8 want to thank Martha and Liz and the rest of the team for
9 getting this done. Thanks.

10 CHAIR WEISENMILLER: Okay. We once more have some
11 who have joined late, but again to encourage public
12 participation with someone on the line. Stasha (phonetic)
13 Furnish, please.

14 MS. FURNISH: Hi. It's actually Satisha Furnish.
15 Thank you for allowing me to speak. I just wanted to thank
16 the Commission and encourage you guys to approve this, you
17 know, as a charter school, I work for a charter school and we
18 are really excited and really want to use the energy grant
19 and improve our schools. So thank you for doing this.

20 CHAIR WEISENMILLER: Thank you. Commissioners, any
21 other questions or comments?

22 COMMISSIONER MCALLISTER: I will move Item 9.

23 COMMISSIONER SCOTT: Second.

24 CHAIR WEISENMILLER: All those in favor?

25 (Ayes.) Item 9 passes 4-0. Thank you.

1 MS. SHIRAHK: Thank you, very much.

2 CHAIR WEISENMILLER: Let's go to Item 10, City of
3 South El Monte and this is ECAA funding. Amir, please.

4 MR. EHYAL: Thank you Chairman, Commissioners. My
5 name's Amir Ehyal with the Efficiency Division. The City of
6 South El Monte is requesting an ECAA-funded Energy Commission
7 loan in the amount of \$2,307,104 to install a 694 kW solar
8 photovoltaic system at various city-owned facilities. The pv
9 systems, 11 in total, range in size from 26 kW to 141 kW and
10 will be installed on rooftops and atop solar carport
11 structures at the City Hall, Aquatic Center, Pool Center, the
12 City Mini-Center, the Transportation Yard and the Maintenance
13 Yard. If approved for this loan the city anticipates project
14 completion by April 2015.

15 When complete this project is estimated to generate
16 \$1,056,127 kWh of electricity annually, reduce greenhouse gas
17 emissions by 364 tons of CO2 a year and save the city
18 approximately \$135,712 annually in utility costs. The total
19 project cost is \$2,993,867 of which \$2,307,104 will be funded
20 by the Energy Commission loan at 1 percent interest rate.
21 The remaining project costs will be financed with the
22 anticipated utility rebates of \$495,734 and city funds.
23 Staff has determined that the loan requests a second to be
24 justified and meets the requirements for an Energy Commission
25 loan. And I'm happy to answer any questions you may have.

1 CHAIR WEISENMILLER: Thank you. Commissioners,
2 any questions or comments?

3 COMMISSIONER HOCHSCHILD: Two quick questions. One
4 is, is someone taking advantage of the ITC in this or is it -
5 -

6 MR. EHYAL: Taking advantage of, I'm sorry?

7 COMMISSIONER HOCHSCHILD: The investment tax credit
8 for a city of this --

9 MR. EHYAL: Okay.

10 COMMISSIONER HOCHSCHILD: And then secondly just
11 with all of these clean energy and efficiency projects that
12 we're supporting for cities, I mean I know they're not part
13 of the ECAA mandate, but I do feel we should be promoting
14 some sort of public information. You know, kiosks or poster
15 boards or something to inform the public about the energy
16 savings we're doing, efficiency upgrades, just to raise
17 awareness. Is that something, Miranda (phonetic) we've
18 talked, Marge and I have talked about this in the past. Is
19 this something we've explored with these folks, whether they
20 can do any kind of public information, you know, share it
21 with the facilities yeah.

22 MR. EHYAL: Sure, do you mean the kiosks within the
23 buildings where these systems are being installed?

24 COMMISSIONER HOCHSCHILD: Yes, they're public
25 buildings, right to make people aware.

1 MR. EHYAL: Kind of similar to the kiosks that we
2 have just out front?

3 COMMISSIONER HOCHSCHILD: Yeah or some other
4 iteration of it, yeah.

5 MR. EHYAL: I am not certain if this project has
6 that.

7 COMMISSIONER HOCHSCHILD: Yes and the reason I
8 raise it is just with all these ECAA projects, which are
9 doing terrific work and when you're retrofitting lighting or
10 installing on a roof it's typically not, you know, visible
11 and the savings aren't apparent and the sources of funding's
12 not apparent. And the pollution reduction is not readily
13 apparent to the public. I think it's a good thing. And
14 Marsha (phonetic), do you have any comments on that?

15 UNIDENTIFIED SPEAKER: Yes, (inaudible)

16 COMMISSIONER HOCHSCHILD: Yeah, maybe we could even
17 develop a template or something to give the recipients, you
18 know?

19 MR. EHYAL: Yeah.

20 COMMISSIONER HOCHSCHILD: Okay. Thank you.

21 COMMISSIONER SCOTT: Okay, thanks. I'll move Item
22 10.

23 COMMISSIONER HOCHSCHILD: Second.

24 CHAIR WEISENMILLER: All those in favor?

25 (Ayes.) Item 10 passes 4-0. Thank you. Let's go

1 to Item 11, Alternative Fuel Readiness Planning Grants, PON-
2 13-603. And yeah, let's do a. and then b. So let's have an
3 overall presentation, but then when we come to vote we'll do
4 a and then b.

5 MR. BRECHT: Sure. Good afternoon Chair and
6 Commissioners. My name is Patrick Brecht from the Fuels and
7 Transportation Division, Emerging Fuels and Technologies
8 Office. I'm seeking the possible approval of two resolutions
9 totaling \$597,460 for agreements awarded under the
10 Alternative Fuel Readiness Planning solicitations.

11 The first agreement is with the City and County of
12 San Francisco. This proposed resolution would fund programs
13 that would prepare for the deployment of alternative
14 transportation fuels in San Francisco and the Greater Bay
15 Area. The project goal is to promote the use of alternative
16 fuel infrastructure in the region, measurable objectives
17 including increased alternative fuel vehicle sales, decreased
18 greenhouse gases and fuel efficiency.

19 The second agreement is with the South Coast Air
20 Quality Management District and will cover the areas of Santa
21 Monica, West Los Angeles, Long Beach, San Diego, Torrance and
22 nearby coastal communities, Irvine and Southern Orange
23 County, Sacramento and the Central Valley, South San
24 Francisco and Berkeley. The project goal is to increase the
25 potential pool of customers of fuel cell electric vehicles,

1 those in fleets and also individual drivers, decrease
2 greenhouse gases and fuel efficiency.

3 These agreements include developing include
4 developing a region-wide inventory and assessment of
5 alternative fuel vehicles and alternative and alternative
6 fuel infrastructure utilization. And provides readiness task
7 force comprised of key stakeholders in the projects region
8 that provide input and guidance, identifies best practices
9 and provides training and outreach.

10 The goal is to create a comprehensive plan based on
11 these activities. The City and County of San Francisco's
12 readiness plan will include the following alternative
13 transportation and fuel types: compressed natural gas, bio
14 fuels, hydrogen and electricity. South Coast Air Quality
15 Management District readiness plan will be specific to
16 hydrogen as an alternative fuel type. These alternative fuel
17 vehicle readiness plans will assist the Energy Commission in
18 providing strategies for the deployment of alternative fuel
19 infrastructure and encourage the adoption of alternative fuel
20 vehicles. Thank you.

21 CHAIR WEISENMILLER: Thank you. First, any
22 questions on Item a? No, Commissioner?

23 COMMISSIONER SCOTT: I'll move Item 11a.

24 COMMISSIONER HOCHSCHILD: Second.

25 CHAIR WEISENMILLER: All those in favor?

1 (Ayes.) Item 11a has been approved 4-0.

2 Now, let's go to 11b.

3 COMMISSIONER SCOTT: And I'd like to note for the
4 record that Bevilacqua and Knight is a major subcontractor
5 for Item b and they're part of the Fuel Cell Partnership. I
6 am on the steering committee for the Fuel Cell Partnership,
7 so I'm going to recuse myself from Item 11b.

8 CHAIR WEISENMILLER: Thank you. Any questions or
9 comments on Item 11b? Yes, wait for Commissioner Scott to be
10 out of the room.

11 COMMISSIONER HOCHSCHILD: Certainly. I would move
12 the item.

13 COMMISSIONER MCALLISTER: I'll second.

14 CHAIR WEISENMILLER: All those in favor?

15 (Ayes.) This item passes 3-0.

16 Let's go to Item 12 and Commissioner Scott is
17 coming back to the dais.

18 COMMISSIONER MCALLISTER: That was fast.

19 CHAIR WEISENMILLER: So this is the Electric
20 Vehicle Charging Infrastructure Grants, PON-13-606. And
21 Jennifer Allen and Commissioner McAllister have some
22 disclosures.

23 COMMISSIONER MCALLISTER: So I want to disclose on
24 a number of items. This is the first of them, so I'm just
25 going to go through the list here. I'm disclosing my wife's

1 relationship to King Hall, the law school at UC Davis where
2 she is a professor. And specifically just disclosing all of
3 the items in the agenda coming from here on out that have a
4 UC connection: Item 12c, Item 15, Item 17, Item 19a, Item
5 19c, Item 19d and Item 20. And those are various campuses of
6 UC including Davis, Irvine, let's see, UCLA, UC Davis again,
7 UC Regents generally. Let's see, Irvine and San Diego, so
8 there are a few different campuses involved.

9 And just by the way, Commissioner Douglas has an
10 affiliation with UC Davis King Hall as well and I'm
11 disclosing that along the way. Even though she's not here
12 and she's abstaining from all -- or absent from all these
13 votes, but legally I think that was a good idea to disclose
14 as well.

15 CHAIR WEISENMILLER: And for the record none of
16 these contracts involve King Hall.

17 COMMISSIONER MCALLISTER: Yeah, so to be clear I'm
18 not recusing myself from any vote.

19 MS. ALLEN: Good morning Chairman and
20 Commissioners. My name is Jennifer Allen with the Fuels and
21 Transportation Division, Emerging Fuels and Technologies
22 Office. So staff is seeking approval of 15 proposed awards
23 totaling \$5,800,732 for electric vehicle charging
24 infrastructure projects that are funded through the
25 Alternative and Renewable Fuel and Vehicle Technology

1 Program, which I'll refer to as the ARFVTP.

2 Before discussing the specific projects I'd like to
3 provide a slide presentation that summarizes support in the
4 interaction between the ARFVTP investments to date: the
5 Governor's Zero Emission Vehicle Action Plan goals, the Plug-
6 In Electric Vehicle Regional Readiness and our various plug-
7 in electric vehicle regional readiness and the Energy
8 Commission's Electric Vehicle Infrastructure Assessment. So
9 if we could go to the second slide?

10 So to date we have funded nearly \$38.2 million for
11 over 8,640 chargers. That is over 3,900 what we call
12 commercially accessible chargers, publicly available
13 chargers; 3,800 residential chargers, over 3,800 residential
14 chargers, approximately 760 workplace chargers and 107 direct
15 current fast chargers.

16 We've also contributed \$49 million to the Clean
17 Vehicle Rebate Program, 4 million to the Hybrid and Zero
18 Emission Truck and Bus Voucher Incentive Program, which is
19 commonly referred to as the HVIP Program and 75 million for
20 zero emission vehicles, truck deployment, demonstration and
21 manufacturing through Energy Commission solicitations.

22 And an example up there is the loaded power systems
23 to develop and deploy an extended range. That is a shuttle
24 bus that we paid for under a different project, but we
25 currently have an agreement with Loda Power Systems to

1 develop and deploy extended range electric vehicle power
2 train retrofits for medium duty trucks.

3 So the next slide. So the projects presented today
4 are the second grouping of awards made as a result of PON-13-
5 606. We have 11.4 million made available from two fiscal
6 years of funds. We recommended awards for over 840 new
7 chargers including 53 direct current fast chargers. The
8 charging infrastructure solicitation required most applicants
9 to be public entities and they had to consult with the
10 regional plug-in electric vehicle plans to ensure
11 compatibility of what they were doing with the plans. These
12 awards were made for destination charging, workplace
13 charging, public charging corridor and multiunit dwellings
14 charging. This solicitation was oversubscribed by two and a
15 half, by a factor of two and a half.

16 So to summarize the solicitations notice of
17 proposed awards awarded approximately 11.4 million to 35
18 individual projects. Next slide, please?

19 The text here is listed almost verbatim from the
20 Governor's Zero Emission Vehicle Action Plan, so one of the
21 primary goals of the Energy Commission's plug-in electric
22 vehicle infrastructure strategy is to support the Governor's
23 long-term goal of reaching 1.5 million zero emission vehicles
24 on California roadways by 2025. There are several 2013 zero
25 emission vehicle action plan goals that are related to our

1 zero emission vehicle infrastructure and planning. The
2 California major metropolitan areas will be able to
3 accommodate, and so these goals are California major
4 metropolitan areas will be able to accommodate zero emission
5 vehicles through infrastructure plans and streamlined
6 permitting by 2015. Sufficient infrastructure will be
7 available to support 1 million zero emission vehicles by 2020
8 and 1.5 million zero emission vehicles by 20125. And
9 Californians should have easy access to zero emission vehicle
10 infrastructure as current conventional vehicles have access
11 to gasoline service stations.

12 Next slide, please. The awards under PON-13-606
13 were coordinated with the California plug-in electric vehicle
14 planning regions. Both the Department of Energy and the
15 Energy Commission funded regional PEV readiness plans as
16 shown in this chart. The CEC made about ten awards, six of
17 which have complimentary Department of Energy funding. Next
18 slide.

19 The awards being presented for approval today
20 require that applicants coordinate with the regional plug-in
21 electric vehicle regional readiness plans and the planning --
22 and they have to point to how that association supported the
23 location of the proposed charging. And so both the
24 Department of Energy and the Energy Commission's plans
25 addressed several areas including updating zoning and parking

1 policies, updating building codes, streamlining permitting
2 and inspection processes and training local officials,
3 education programs, outreach to local businesses and
4 residents.

5 So the ARFVTPs electric vehicle charging grants
6 agreements build on this work. And include: charging
7 infrastructure siting plans, the strategies to increase
8 workplace, multiunit dwelling and fleet charging, the creation
9 of local incentives to encourage vehicle adoption and
10 strategies to spur linkages with renewable energy such as
11 solar charging.

12 As an example one of the PEV readiness plans that
13 we funded for East Bay San Francisco and Silicone Valley
14 Clean Cities Coalition, they were encouraged to work with
15 organizations such as electric vehicle infrastructure
16 training programs and organized training sessions to do
17 installations for the chargers. And we hope to use some of
18 the folks that are associated with those programs. Next
19 slide.

20 So the purpose of statewide PEV infrastructure
21 assessment as more as more PEVs are deployed infrastructure
22 needs to be available to support the deployment. So the
23 Energy Commission's funded the National Renewable Energy
24 Laboratory, or what I'll refer to as NREL, to look at
25 infrastructure expansion trends. And at the corridors

1 statewide and interstate levels where the regional PEV
2 readiness plans were looking more at the local and defined
3 regional levels. And this was the first statewide analytical
4 framework for charger infrastructure. It established a
5 framework for how to achieve the Zero Emission Vehicle Action
6 Plan goal of electric vehicle deployment sufficient or I'm
7 sorry, charger deployment, sufficient to support the 1
8 million zero emission vehicles by 2020. It articulated the
9 Energy Commission's conclusions and recommendations regarding
10 plug-in electric vehicle planning. And it conveyed also, the
11 stakeholder feedback collected from infrastructure plan
12 stakeholder workshops and reviewed the comments on earlier
13 drafts and integrated the results from discussions with key
14 stakeholders.

15 So the last slide, please? So in summary the
16 national NREL estimated the bookends of electric chargers,
17 more specifically in this case these are charge points
18 necessary to support California's plug-in electric vehicles
19 as they increase to meet the 2025 zero emission vehicle
20 action plans. I'm making the distinction that these are
21 charge points, because each charge point represents a vehicle
22 that can charge at that spot. And we may actually end up
23 putting in less chargers, because we're putting in quite a
24 few chargers now that are dual charge-point chargers.

25 So in the home-dominant scenario there's a little

1 over a million chargers that would be needed. And in the
2 high-public access scenario it is about 1,023,000 that would
3 be required.

4 So with that I'd like to go into the projects that
5 we have. The projects presented for your consideration
6 provide funding to 15 organizations to install Level 2 -- I
7 guess we need to go back to the agenda. Not quite sure.
8 Okay. So the projects presented for your consideration
9 provide funding to 15 organizations to install two Level 1s,
10 468 Level 2s and six direct current fast chargers through
11 various regions in California. These projects install
12 electric vehicle charging infrastructure in locations that
13 are consistent with the needs identified in the applicable
14 electric vehicle regional readiness plans.

15 And as selected highlights we have the City of San
16 Diego, the Golden Gate National Parks Conservancy and
17 CALSTART projects, which would represent a total of 83
18 chargers. And these would be at several recreation areas
19 within the State including the Mission Bay Aquatic Center,
20 Fort Mason, Stinson Beach and Disneyland.

21 And then we have the City of Burbank projects,
22 which will install eight Level 2 curbside charging. This is
23 good to the unique situation. This will be similar to
24 parking meters and curbside charging is a new application,
25 new and unique application for EV charging infrastructure

1 funding under the ARFVTPs.

2 California Department of Transportation is here to
3 install workplace charging at 22 State-owned facilities
4 throughout California. And this would be used by both
5 employees and visitors. Of note is Good Samaritan Hospital,
6 that's for charging at their hospital. And this was another
7 area that was identified in regional planning documents as
8 sites that should be considered for charging. To date we've
9 had very few hospitals installing chargers, because their
10 funding, their budget is for care of patients not for putting
11 in chargers in their parking lots. But they are an important
12 link identified in regional readiness plans as allowing
13 electric vehicles to be a primary or only vehicle in the
14 household.

15 Vehicle Grid Integration Alliance will install 24
16 Level 2 chargers that will serve both multiunit dwellings and
17 destination sites in the San Francisco Bay Area.

18 So staff is seeking your approval of all 15
19 proposed awards listed as Items 12a through o on the agenda.
20 Thank you for your consideration of these projects and I'm
21 available to answer any questions.

22 CHAIR WEISENMILLER: Thank you for your
23 presentation. Commissioners, any questions or comments?

24 COMMISSIONER SCOTT: Thank you, Jennifer. I think
25 this is a really nice overview of all of the work that the

1 Energy Commission is doing to help support zero emission
2 vehicles, the role of zero emission vehicles and their
3 infrastructure. And so I think what you saw were a couple of
4 components that I'll just highlight, because I think they're
5 pretty cool.

6 And, you know, one was the report that we worked on
7 with the National Renewable Energy Lab, which sort of laid
8 out for the entire state here's about how much infrastructure
9 we think, based on what we know today, we may need across the
10 State.

11 And then the regional readiness grants and plans
12 kind of similar to the ones we just did in Item 11, are where
13 the regions really have a chance to dig down and plan and
14 think through where is the best place to put some of that
15 infrastructure?

16 And so then the grants are sort of coordinated with
17 all of that and so we have an opportunity to say, "Okay,
18 here's how many we think we need." And then the regions say,
19 "And here's where we think they ought to go."

20 And so one of the things that I also wanted to
21 highlight here that we focused on with this solicitation were
22 the corridors, trying to fill in some of the corridors with
23 the charging. And it just says right here in the thing, but
24 also destination locations, so that's why you see something
25 like Disneyland, right? This is big, people can see the

1 signs, they know that charging is there, workplaces.

2 And also at multifamily dwellings, because if you
3 live in an apartment building, but really want to drive an
4 electric vehicle you don't have a dedicated parking space and
5 that's a pretty tough nut to crack. And that's something
6 we'll continue to work on. And, of course, as you know we
7 are doing that, because we're committed to helping the
8 Governor meet his goals with the Zero Emission Vehicle Action
9 Plan and it's important. It's important for climate change.
10 It's important to help achieve our goals on clean air and
11 that translates into public health.

12 And so I would highly recommend that we support
13 Item 12. I don't know if you have questions?

14 COMMISSIONER HOCHSCHILD: I would second the
15 motion.

16 COMMISSIONER MCALLISTER: I did have a comment
17 actually or a question, really. This is a great group of
18 projects and, you know, I understand the RFP process. You
19 know, I know how robust it is, so I'm comfortable with the
20 outcomes certainly. I guess, you know, maybe you could
21 comment a little bit more -- well the vast majority of them
22 are public entities, you know, cities. And clearly we're all
23 very aware of the constraints that they're under and sort of
24 the public benefit of having them adopt and install chargers.

25 You know, I guess while I am ecstatic to think of

1 the marketing opportunities of having Minnie and Mickey
2 parking an electric vehicle at Disneyland I would like a
3 little bit more info on sort of what the rationale for -- you
4 know, Disneyland obviously isn't as hurting for cash as a
5 U.S. city might be, so kind of part of our strategy as a
6 destination.

7 I can see it on the one hand, but kind of if you
8 could talk about a little bit as a private entity that could
9 presumably pay for a lot of it or at least match or have a
10 strategy to sort of promote their own brand as green. Or you
11 know, there is a value proposition presumably for them I
12 would imagine, but our participation on this. Maybe a little
13 more background or kind of part of it as part of a -- you
14 know, a description of it as part of our strategy for the
15 State might be a little bit helpful.

16 MS. ALLEN: Disneyland is coming in, they have been
17 an early participant in putting in electric vehicle charging
18 and have put in quite a bit already with their own dollars.
19 They are stating that there is still an oversubscription to
20 the number of charging that they have already in place.
21 Their problem is that the technology is still evolving, is
22 still relatively new. They put in what were state of the
23 art, but now is a little bit more obsolete in charging
24 technology.

25 And so for them at this particular junction they're

1 seeing this as a high-risk item and so they're putting in a
2 goodly match to this. And it was more than the minimum
3 required, but they probably would not go forward with this on
4 their own, because of where the technology is. And it's just
5 not their priority for their dollars right now. They do have
6 -- like I said they were early participants and they have put
7 in quite a bit of charging on their own, but it's not
8 sufficient now.

9 Some of these charging areas do have -- and it's
10 not just the parking lots that are Disneyland proper, so it's
11 not -- there are three parking lots. It was the Mickey and
12 Friends, Simba and the Toy Story parking lots.

13 COMMISSIONER MCALLISTER: I love it.

14 MS. ALLEN: And they have a flat fee that's about
15 \$10 to enter the parking lot, but at this point Disneyland
16 may not charge for the actual electricity for the parking.
17 They're also putting it in three hotels: Disneyland,
18 Disneyland's Grand California and the Paradise hotels. And
19 two of them have a flat fee, but the Paradise Pier Hotel is
20 free parking associated with it. And then there's the
21 downtown Disney district and that is an hourly rate parking,
22 but the first three hours are free.

23 So the goal of all of this is really it is a
24 destination charging, so it is the folks that are already
25 going to be going to Disneyland primarily. And this is just

1 a high visibility place for electric vehicle charging. But
2 at the same time there are some of these that if somebody was
3 nearby and had to pop in for a quick charge there would be
4 some of these that they would be able to get into without
5 having to pay any fee.

6 COMMISSIONER MCALLISTER: Great. Well, thanks for
7 that. I mean, that really the reflects the fact that there's
8 an overall strategy and that the corridor approach and then a
9 context of the NREL work on siting placement etcetera that
10 fits in well. So I appreciate the additional background, so
11 thanks. So we have a second, right? Oh, great.

12 COMMISSIONER SCOTT: I made the motion. Want me to
13 do it again?

14 COMMISSIONER MCALLISTER: No, sorry.

15 COMMISSIONER SCOTT: No, I will move Item 12.

16 COMMISSIONER HOCHSCHILD: Second.

17 CHAIR WEISENMILLER: All those in favor?

18 (Ayes.) The item passed, 12 passes 4-0. Thanks.

19 MS. ALLEN: Thank you.

20 CHAIR WEISENMILLER: Let's go to Item 13. Crimson
21 Renewable Energy, please come forward.

22 MR. CAZEL: Good afternoon. I'm Phil Cazal from
23 the Emerging Fuels and Technologies Office. We're presenting
24 for approval an agreement to provide \$5 million to Crimson
25 Renewable Energy to support the second phase of an expansion

1 project to increase biodiesel production capacity from 17
2 million gallons to 22 million gallons per year at their
3 existing facility in Bakersfield, California.

4 Crimson Renewable Energy will be contributing over
5 \$7.4 million of the approximately \$12 and a half million
6 total project costs. This facility converts ultralow carbon
7 intensity feed stocks such as used cooking oil, animal fats
8 and waste corn oils into cleaner burning biodiesel, which is
9 blended into California's transportation fuel supply.

10 The project will install the new biodiesel
11 distillation system to replace the current cold filtration
12 process. This will reduce water consumption for biodiesel
13 washing, deliver improved product quality and allow the
14 processing of new feed stock types such as brown grease,
15 algal oil and sorghum oil.

16 The completed project will add an additional 5
17 million gallons per year to Californians in-state production
18 of low carbon biodiesel displacing 4.6 million gallons of
19 petroleum-based diesel per year. The project is expected to
20 reduce greenhouse gas emissions by over 12,000 tons of CO₂
21 equivalent per dollar spent by the Energy Commission. If
22 approved, this project is expected to be completed and fully
23 operational within approximately one year.

24 In accordance with the California Environmental
25 Quality Act Guidelines staff has reviewed the San Joaquin

1 Valley Unified Air Pollution Control District's initial study
2 and mitigated negative declaration has no information
3 indicating that the environmental documentation is inadequate
4 and has considered this initial study and mitigated negative
5 declaration in deciding whether to recommend approval of the
6 proposed agreement.

7 Staff is asking the Commission for two actions
8 today. The first is to adopt a proposed resolution
9 determining that with existing mitigation as specified in the
10 mitigated negative declaration this project's potential
11 environmental impact will be less than significant. And the
12 second action is that the Commission approve the proposed
13 grant award in the amount of \$5 million. Thank you.

14 CHAIR WEISENMILLER: Thank you. Commissioners, any
15 questions or comments?

16 COMMISSIONER SCOTT: I will move approval of Item
17 13.

18 COMMISSIONER HOCHSCHILD: I will second.

19 CHAIR WEISENMILLER: All those in favor?

20 (Ayes.) Item 13 passes 4-0. Thank you.

21 Let's go to Item 14, Renewable Energy and
22 Conservation Planning Grants.

23 MR. GUTIERREZ: Good afternoon, Commissioners and
24 Commissioner Weisenmiller. My name is Pablo Gutierrez and I
25 work in the Renewable Energy Division. I'm here today to

1 request your approval of four renewable energy and
2 conservation planning grants under two separate competitive
3 program opportunity notices: numbers 13-505 and 13-504
4 totaling \$1.9 million.

5 The program opportunity notices targeted different
6 counties, however they shared the same goals. Both program
7 opportunity notices sought proposals s sought proposals from
8 qualified counties for the development or revision of rules
9 and policies that facilitate the development of eligible
10 renewable energy resources and their associated electric
11 transmission facilities, and the processing of permits as
12 directed by ABX 113. (phonetic)

13 In 2011 ABX 113 became law and authorized the
14 Energy Commission to award up to \$7 million in grants to
15 qualified counties. In the 2012 Budget Act the Legislature
16 apportioned \$7 million from the Renewable Resource Trust Fund
17 for grant funding. In 2013 the Energy Commission awarded
18 \$3.3 million to five counties under the first round of
19 funding. In January of 2014 the Energy Commission released
20 both program opportunity notices inviting qualified counties
21 to compete for the second round of funding that is being
22 considered today.

23 In March of this year a scoring committee composed
24 of staff from the Governor's Office of Planning and Research
25 and the Energy Commission evaluated and ranked the

1 applications received. And on April 1st the Energy
2 Commission posted a notice of proposed awards for both
3 program opportunity notices.

4 Program Opportunity Notice 13-504 targeted the
5 following counties: Fresno, Kern, Kings, Madera, Merced,
6 Riverside, San Diego, San Joaquin, San Cruz and Tulare. Of
7 these counties only Riverside submitted an application and
8 the maximum funding for application was established at
9 \$700,000; the agreement was Riverside County for 699,996. It
10 will amend its general plan including revisions to the
11 multipurpose open space element, land use element, and area
12 plans to facilitate renewable energy resource development.
13 This project will provide a framework of policies focusing on
14 the development and expansion of geothermal resources in the
15 Salton Sea and coordinating the planning of solar resources
16 in the far eastern portion of the county.

17 Program Opportunity Notice 13-505 targeted the five
18 counties that received funding in 2013 under the first round
19 to further develop their initial work under those grant
20 agreements. Those grant recipients were: Imperial, Inyo, Los
21 Angeles, San Bernardino and San Luis Obispo Counties. Of
22 these counties only Imperial, Inyo and San Bernardino
23 Counties submitted applications. The maximum funding for
24 application for this second round was capped at \$400,000.

25 The agreement with Imperial County for \$400,000

1 proposes to amend the 1993 conservation and open space
2 element of their general plan and prepares CEQA
3 documentation. This project will address for future impacts
4 to conservation efforts and open space resources from
5 potential renewable energy resource development.

6 The agreement with Inyo County for \$400,000
7 proposes to update its Renewable Energy General Plan. The
8 project builds upon an existing agreement and consists of a
9 detailed planning effort in the Owens Valley and Owens Lake
10 area. This includes a collection and development of retail
11 geospatial data and the engagement of public, private and
12 tribal partners to plan for renewable energy resource
13 development.

14 The agreement with San Bernardino County for
15 \$400,000 proposes to develop a new renewable energy value-
16 added evaluation augmentation leadership initiative that
17 focuses on the costs, benefits and best opportunities for
18 optimizing local renewable energy resource development. This
19 project will also build upon actions funded under an existing
20 agreement to enhance their general plans.

21 This concludes my presentation. I'll ask for your
22 approval on this agenda item and be happy to answer any
23 questions. Thank you for your consideration.

24 CHAIR WEISENMILLER: Thank you. Commissioners, any
25 questions or comments? I was going to say I think when we

1 went through the RS siting process the thing that became very
2 clear was that it was important to be sparked from the start
3 on basically siting power plants. And so coming out of that,
4 that's why Commissioner Douglas has had such a focus on DOECP
5 and also on these planning grants. So, you know, I think
6 they are sort of a great step forward and certainly encourage
7 everyone to be supportive.

8 COMMISSIONER HOCHSCHILD: I move the item.

9 COMMISSIONER MCALLISTER: I second.

10 CHAIR WEISENMILLER: Okay. All of us in favor?

11 (Ayes.) This item passes 4-0. Thank you.

12 MR. GUTIERREZ: Thank you.

13 CHAIR WEISENMILLER: Let's go on to Item 15, which
14 is University of California Davis and this is Pure Natural
15 Gas Funding. Mr. Gonzalez?

16 MR. GONZALEZ: Good afternoon, Chair Weisenmiller,
17 Commissioners. My name is Rey Gonzalez and I'm the Staff
18 Lead for Transportation Research in the Energy Research and
19 Development Division. The item for consideration is an
20 agreement with the University of California Davis to develop
21 a Research, Development and Demonstration Roadmap to better
22 enable deployment of renewable natural gas for transportation
23 use in California.

24 Renewable natural gas is a very desirable
25 transportation fuel and is identified as one of the lowest

1 carbon intensity alternative options in the California Air
2 Resources Board Low Carbon Fuel Standards. Successfully
3 deploying renewable natural gas can reduce California's
4 petroleum fuel demand. Additionally, renewable natural gas
5 can be derived from numerous waste treatments readily
6 available in California reducing the amount of waste that
7 ends up in California landfills.

8 While renewable natural gas can play an important
9 role in California's energy policies it is currently produced
10 in small volumes. This research roadmap will identify
11 research opportunities to help deploy locally or regionally
12 produced and distributed renewable natural gas for
13 transportation applications. The roadmap will assess the
14 current state of technology, identify and prioritize unmet
15 research needs and identify opportunities to best utilize
16 renewable natural gas for transportation applications.

17 One of the key focuses of this roadmap will be to
18 consider the cost elements of renewable natural gas
19 production and the ability to compete with conventional
20 natural gas as a transportation fuel. The roadmap will be
21 developed with stakeholder input through a broad, tactical
22 advisory committee that will include staff from the
23 California Air Resources Board, local air districts and the
24 Energy Commission's Alternative and Renewable Fuel and
25 Vehicle Technology Program.

1 Staff is requesting approval of this item and I can
2 answer questions at this time.

3 CHAIR WEISENMILLER: Thank you. Commissioners, any
4 questions or comments?

5 COMMISSIONER SCOTT: I'll move approval of Item 15.

6 COMMISSIONER HOCHSCHILD: I'll second.

7 CHAIR WEISENMILLER: Okay. All those in favor?

8 (Ayes.) This passes 4-0.

9 Let's go on to Item 16, which is BlackPak, Inc.
10 This is also PIER natural gas funding, please?

11 MS. MAGANA: Okay. Good afternoon Commissioners,
12 Chairman. I'm Pilar Magana with the Energy, Research and
13 Development Division of the Transportation Research Area.
14 And I'm here to present the following items for
15 consideration. The first is an agreement with BlackPak, Inc.
16 for the development of an advanced onboard storage tank for
17 natural gas vehicles suitable for light duty passenger
18 vehicles.

19 One of the main barriers to expanding the light
20 duty natural gas vehicle market is primarily due to onboard
21 storage, mainly with cost in physical attributes. This
22 current CNG fuel tank consumes most of the trunk space and
23 results in complex home refueling due to costs and
24 compression levels.

25 So to address this issue of storage BlackPak has

1 begun developing absorbed natural gas tank technology under a
2 federally-funded agreement through ARPA-E MOVE Program. The
3 Energy Commission's efforts would build on this project.
4 While the ARPA-E Project focuses on small offered vehicles
5 and provides less risky commercialization paths the CEC
6 project will expand the focus for onboard storage tanks that
7 provide the appropriate pressure density and performance
8 suitable for light-duty natural gas vehicles.

9 The project will include the development and
10 testing of lightweight conformable absorbed natural gas tank
11 designs capable of storing natural gas using pyrolyzed
12 nanoporous carbon. The goal is to develop A&G storage tanks
13 that drive down costs to a price that is considered
14 competitive and viable.

15 Commercialization of a conformable tank designing
16 can reduce light-duty natural gas vehicle costs making
17 natural gas vehicles a more attractive consumer choice. In
18 addition, the low-pressure tank design will lower compressor
19 requirements for home refueling appliance.

20 And if you have any questions I'd be happy to
21 answer them.

22 CHAIR WEISENMILLER: Thank you. Commissioners, any
23 questions or comments?

24 COMMISSIONER MCALLISTER: I think it's good to see
25 the natural gas transportation funds going to some good

1 projects, so this seems like one. So move Item 16.

2 COMMISSIONER SCOTT: Second.

3 CHAIR WEISENMILLER: All those in favor?

4 (Ayes.) This passes 4-0. Thank you.

5 MS. MAGANA: Thank you.

6 CHAIR WEISENMILLER: Go on to Item 17, Natural Gas
7 Engine Hybrid Electric Research and Development. This is
8 also natural gas funding, please.

9 MS. MAGANA: Okay. The next three projects were
10 selected under the Natural Gas Engine Hybrid Electric
11 Research and Development grant solicitation, PON-13-506.
12 This solicitation sought proposals for research and
13 development of advanced natural gas hybrid electric concepts
14 for applications in light-heavy duty to heavy-heavy duty
15 vehicles that are operated in fleets throughout California.

16 The overall goal of this solicitation was to seed
17 projects that not only developed a natural gas hybrid
18 electric system, but optimized the system given the vehicle
19 application. Optimization of these systems based on the
20 vehicle application is a key set towards improving emissions
21 and performance of the various heavy-duty vehicles that are
22 on California's roads today.

23 Each agreement is being proposed for funding for
24 \$900,000. And the first agreement is with Transportation
25 Power, Inc. to develop and demonstrate an efficient and

1 viable natural gas plug-in hybrid truck technology that
2 combines electric vehicle technologies with a natural gas
3 engine plug-in hybrid Class 8 truck. They'll be using 3.7
4 liter CNG engine combined with a battery electric drives
5 system. And they will be doing engine performance validation
6 and looking to improve emissions and fuel economy. And they
7 will be demonstrating to Class 8 drayage trucks in the Port
8 of L.A. and Long Beach. They will be providing approximately
9 \$1.2 million in match.

10 And the second project is with Efficient
11 Drivetrains, Inc. to design, optimize and demonstrate an
12 intelligent plug-in hybrid electric vehicle powertrain and
13 battery pack with 40 miles of all-electric range integrated
14 with a 6. liter Class 4 compressed natural gas engine.

15 And Efficient Drivetrains will be partnering with
16 GREENKRAFT, Southern California Gas Company, CALSTART and
17 California Environmental Engineering for their projects. And
18 they will combining a plug-in hybrid electric vehicle power
19 train and battery pack with a natural gas engine. And they
20 will be doing testing, validation, demonstration and
21 integration with GREENKRAFT's Class 4 medium-duty truck. The
22 demonstration will be taking place in Southern California and
23 they are expecting to use the Class 4 vehicles, which is
24 parcel delivery trucks.

25 They are looking to improve performance and fuel

1 economy by 40 percent, reduce emissions and possibly operate
2 the vehicle in all electric zero emission mode for certain
3 duty cycles with their proposed system. And they will be
4 providing about \$648,000 in match funding.

5 The third project is with Gas Technology Institute
6 to develop and demonstrate a fully-integrated and optimized
7 natural gas plug-in hybrid electric Class 8 vehicle. And
8 they are looking to achieve performance comparable to the
9 existing natural gas 12-liter engine using the 8.9 liter
10 engine hybrid system. And they will be partnering with U.S.
11 Hybrid and UC Riverside for hybrid design and chassis
12 integration work as well as dnyo-monitor testing catalyst
13 formulation and after treatment design of this system.

14 They will be using an existing plug-in hybrid Class
15 8 truck platform with an electric system and this work will
16 enable hybrid functionality while improving fuel efficiency
17 and minimizing NOx and cold-start emissions through various
18 techniques. And they are also looking at the ability to
19 operate in electric-only mode for zero emission driving and
20 balancing cost minimization or balancing costs versus
21 minimization of emissions and fuel use. And they will be
22 targeting core applications as well for their projects. And
23 they will be providing about \$275,000 in match. And I
24 believe we have a representative from EDI that would like a
25 moment to speak.

1 CHAIR WEISENMILLER: Go ahead. Please, come on up.

2 MS. MAGANA: This is Joerg Ferchau from --

3 MR. FERCHAU: (Inaudible)

4 MS. MAGANA: Okay, (inaudible)

5 CHAIR WEISENMILLER: Thank you.

6 MR. FERCHAU: Thank you, very much. Good

7 afternoon. Yeah, I'm Joerg Ferchau from Efficient

8 Drivetrains also known as EDI. And on behalf of EDI I'd like

9 to thank the Commission for considering our grant request.

10 We know you have a very challenging mission and we're very

11 proud to be part of that.

12 EDI is a company that has a very rich California

13 heritage. We were actually started with a very small

14 government loan a few years ago. And since that time we've

15 paid out millions of dollars in salaries in the State of

16 California. We have brought in foreign investment from

17 Germany, Japan and China and we've put about a million and a

18 half dollars back into the UC system, so we're very connected

19 to the State of California. And our company has a very

20 unique plug-in hybrid drivetrain technology that does reduce

21 emissions in commercial vehicles by 40 to 100 percent. And

22 we're very much looking forward to this program with our

23 partners GREENKRAFT and CALSTART. And once again would like

24 to thank you for your consideration. Thank you.

25 CHAIR WEISENMILLER: No, thank you for being here

1 today. Commissioners, any questions or comments?

2 COMMISSIONER SCOTT: I'd just make one comment. I
3 think to me this is a really interesting and exciting area,
4 because you can take the -- you're basically combining the
5 ability to potentially go on electric miles with the natural
6 gas hybrids. And we're looking at things like Class 8 trucks
7 and the delivery vans and so it's just kind of a niche that
8 has been one of the harder niches to crack when we're trying
9 to get close to zero emission vehicles. And so I think it's
10 really exciting to kind of see projects like this and to see
11 what may come from them. That's all I've got, great
12 presentation.

13 CHAIR WEISENMILLER: Well, yeah I agree. I mean, I
14 listened to Barry Wallenstein yesterday and he had a chart
15 that listed sort of major sources of pollution in the South
16 Coast relative to the Clean Air Act. And obviously well it's
17 very challenging to meet that, but certainly sort of heavy
18 diesel is sort of like Category Number 1 followed by off-road
19 vehicles. And when you look at essentially all the power
20 plants and refineries combined it's sort of a much smaller
21 piece of the puzzle than those two. So anything we can do to
22 really clean up, and set a good movement, in the South Coast
23 would be a huge step forward.

24 COMMISSIONER MCALLISTER: Yeah, I have a similar
25 comment. I mean, having the advantages over the electric

1 platform and all that that implies and even short trips on
2 that alone. And then also the air quality benefits of
3 switching from diesel and natural gas and, you know,
4 providing the power and torque that you need for drayage and
5 good movement. It seems like a really interesting area for
6 us to invest, and so it's good to see that theme. I guess
7 off-road vehicles, maybe we'll make those hybrid next huh?

8 MR. FERCHAU: That's right.

9 COMMISSIONER MCALLISTER: But I'm certainly
10 supportive of this, any comment or okay? So shall we move
11 and I'll move Item 17.

12 COMMISSIONER SCOTT: Second.

13 CHAIR WEISENMILLER: All those in favor?

14 (Ayes.) Item 17 passes 4-0. Great, thank you.

15 Let's go to Item 18, Lawrence Berkeley National
16 Lab, Simone Brant. This is also PIER natural gas funding.

17 MS. BRANT: Good afternoon. I'm Simone Brant from
18 the Energy Research and Development Division. There's much
19 ongoing work to improve estimates of methane emissions from
20 the natural gas system. However, once the gas reaches the
21 meters in our buildings losses after that point are generally
22 ignored.

23 As part of an ongoing Energy Commission project
24 Lawrence Berkeley National Lab has developed to measure
25 methane emissions from residences and has taken several

1 measurements in homes. Initial results from these
2 measurements suggest that emissions from buildings comprise a
3 nontrivial portion of methane emissions from the natural gas
4 system. And that a systematic study to quantify leakage
5 from this source is needed. This study will fill that gap by
6 surveying residences across geographic regions of the State
7 as well as across building characteristics such as size, age
8 and assessed value. So I request approval of this agreement
9 with LDNO.

10 Initially we worked closely with the Air Resources
11 Board on our methane research. And two representatives from
12 ARB are here today: Richard Bode and Jorn Herner and they
13 would also like to speak.

14 CHAIR WEISENMILLER: That's great. I guess, please
15 step forward.

16 MR. BODE: Thank you. Good afternoon, Richard Bode
17 with the Air Resources Board. I'm Chief of the Greenhouse
18 Gas Emissions Inventory Group. And as Simone said that Air
19 Resources Board and Commission staff have worked closely over
20 the years on greenhouse gas issues and research. We
21 continuously work to improve our emission estimation methods
22 and definitely this proposal identifies one area that we
23 don't have good emissions methods on, itself. We're looking
24 forward to seeing the results of this study. As well we
25 think that it can actually fill a gap in our understanding of

1 fugitive methane emissions. We've actually reviewed the
2 project and Jorn Herner from our Research Division and his
3 staff have reviewed it. We think that research has the
4 proposed appropriate methods to get conclusive results from
5 it and so we support funding this present proposal.

6 CHAIR WEISENMILLER: Great. Thank you very much
7 for being here.

8 I guess the one thing to get on the record is
9 what's the sample size we're looking at?

10 MS. BRANT: It will about 100 homes.

11 CHAIR WEISENMILLER: Okay. So any questions or
12 comments?

13 COMMISSIONER MCALLISTER: Clearly the methane is,
14 you know, a huge contribution to climate change, you know,
15 having -- to be dealt with that matter a few percentage
16 either way really, really does matter. So I think this is an
17 obvious ripe area for research and certainly LBL has a good
18 track record on this. So I'm supporting it and any comments?
19 Vote, I'll move Item 18.

20 COMMISSIONER SCOTT: Second.

21 CHAIR WEISENMILLER: All those in favor?

22 (Ayes.) This item also passes 4-0.

23 Let's go to Item 19, 2013 Emerging Technology
24 Demonstration Grants.

25 MR. WEIGHTMAN: Good morning, Commissioners. My

1 name is David Weightman. I'm a staff member with the
2 Research Team and the Energy Efficiency Research Offices
3 Industrial Ag and Water Program. I'm here today to seek your
4 approval to fund four research projects that we recommend for
5 implementation under the 2013 Emerging Technologies
6 Demonstration Grant Program. All of these projects seek to
7 reduce the use of natural gas and to lower greenhouse gas
8 emissions by increasing process efficiencies.

9 The first project with the U.S. Department of
10 Agriculture will demonstrate a commercial scale sequential
11 infrared dry blanching and hot air drying system. This
12 system will simultaneously dry blanch and partially dehydrate
13 fresh fruits and vegetables and replace the energy-intensive
14 blanching and freeze-drying methods currently used to produce
15 fruit and vegetable snacks. The applicant estimates that
16 this system will be up to 40 percent more energy efficient
17 than existing technology.

18 Additionally, this infrared technology has emitters
19 which operate using a catalytic chemical reaction and there
20 are no nitrous oxide emissions from the process. And dry
21 blanching does not generate any waste water. The applicant
22 seeks \$884,800 to fund this research. And the applicant and
23 one of its subcontractors, Treasure Brand, are going to
24 provide \$286,000 in matched funding.

25 The second project with Trevi Systems will

1 demonstrate a waste heat-driven forward osmosis filtration
2 system that will cost-effectively recover additional water
3 for reuse from waste brine solution, which is a byproduct
4 from reverse osmosis systems. Reverse osmosis systems are
5 widely used to treat contaminated waste water to a purity
6 standard, so that the water can be used to recharge the
7 aquifer or the water can be used in industrial processes,
8 which require a high quality purity of water.

9 The technology will be demonstrated by the Orange
10 County Water District in Fountain Valley, California. And
11 will recover an estimated 26,000 of water per day from the
12 brine discharge from the District's current reverse osmosis
13 system. Based on previous results from a small-scale
14 demonstration the forward osmosis system is estimated to be
15 over four times more energy efficient than reverse osmosis
16 systems that use either electricity or natural gas as an
17 energy source.

18 Trevi Systems anticipates that the forward osmosis
19 system will produce between 500,000 and 900,000 in annual
20 cost savings for the Orange County Water District's Water
21 Treatment Program. The applicant seeks \$1,700,000 for
22 funding this research and is providing \$600,000 in match
23 funds.

24 The third project is with UC Davis. And it's going
25 to demonstrate a processing system that reduces the energy

1 used to dry walnuts using a unique infrared drying
2 technology. On average, current technologies used to dry
3 walnuts consume 12 therms of natural gas and up to 24
4 kilowatt hours of electricity per ton of product. The
5 demonstration will quantify the energy and cost-savings from
6 this technology and take place at Emerald Farms in Maxwell,
7 California.

8 The project's pilot phase will allow for fine-
9 tuning of the operational characteristics to optimize the
10 system for energy efficiency. The commercial phase of the
11 project will test two drying lines, each having a capacity of
12 drying 10 to 12 tons of walnuts per hour. The applicant
13 seeks \$1,118,000 to fund this research. And the equipment
14 manufacturer, Wizard Manufacturing, will provide \$280,000 in
15 matching funds.

16 This last project, the fourth project with Lawrence
17 Berkeley National Laboratory will demonstrate a pre-
18 commercial scale combustion system that can switch between
19 natural gas, propane and biogas in real time without
20 sacrificing performance, efficiency or emissions. This
21 system, which combines sensors, softwares and controls with a
22 low-swirl burning technology -- the technology, this low-
23 swirl burning technology was developed with PIER funding.
24 And it uses the low swirl burners, are more energy efficient
25 than the burners that are predominantly used in the market

1 today. Small-scale generating sources of biogas can't
2 economically capture and use the gas for fuel, to fire
3 boilers or to generate electricity due to a lack of quantity
4 of gas or a quality of gas that's out there among the dis-
5 source (phonetic) generators.

6 These are the primary barriers to expanding the
7 renewable biogas market as a replacement fuel for natural
8 gas. This technology will be able to burn biogas with a wide
9 variation in energy and moisture contents. The
10 commercialization of combustion systems with real time fuel-
11 switching capability will allow smaller-scale operations to
12 use biogas and supplement with natural gas or propane when
13 biogas is not available. This demonstration will take place
14 at the Chiquita Water Reclamation Plant in San Juan
15 Capistrano. And the applicant seeks \$1,600,000 for funding
16 this research and is providing \$400,000 in match funds.

17 I'm here to answer any questions that you might
18 have.

19 CHAIR WEISENMILLER: Thank you. Commissioners, any
20 questions or comments?

21 COMMISSIONER MCALLISTER: I guess we're all looking
22 forward to some Kale chips, uh-huh. Yeah, interesting stuff
23 I would go ahead and move Item 19.

24 COMMISSIONER SCOTT: Second.

25 CHAIR WEISENMILLER: All those in favor?

1 (Ayes.) Item 19 passes 4-0.

2 Let's go on to Item 20, University of California
3 San Diego and this is also PIER natural gas funding. Ryan
4 Smart?

5 MR. SMART: Good afternoon, Commissioners. My name
6 is Ryan Smart from the Energy Generation Research Office.
7 Sorry about that. This project with UC San Diego was
8 competitively selected under the 2013 Joint Renewable Energy
9 and Advanced Generation and Energy-Related Environmental
10 Research, Development and Demonstration Grants. The proposed
11 project falls under the research area, which focuses on
12 accelerated demonstration and deployment of localized,
13 combined heat and power for select Southern California
14 regions, to provide reliability and support for areas
15 affected by the closure of the San Onofre Nuclear Generating
16 Station, while also addressing efficient use of natural gas
17 and other resources.

18 This project will address the technical challenges
19 in integrating a simple cycle carb-certified and 47 percent
20 efficient stationary fuel cell with a heat recovery system
21 for cooling use to achieve combined heat and power efficiency
22 as exceeding 69 percent. The project will take place on the
23 UC San Diego campus and will also provide the instrumentation
24 needed to collect detailed operational data to analyze the
25 performance of the CHP system. This analysis would enhance

1 the technology's currently undervalued economic,
2 environmental and ratepayer benefits, which constrains this
3 preferred and distributed-CHP approach from being deployed on
4 a larger scale.

5 The absorption chiller will be integrated into the
6 adjacent district cooling system that services over 500,000
7 square feet of mainly medical facilities and will displace
8 about 225 kilowatts of chiller load. Combined heat and power
9 can provide commercial and industrial consumers clean,
10 efficient, cost-effective and fuel-flexible electricity and
11 heat.

12 This project will take steps toward achieving
13 California's cogeneration policy goals as well as provide
14 benefits to natural gas rate payers. I'm requesting your
15 approval of this agreement and I welcome any of your
16 questions. And I would also like to say that I believe Byron
17 Washom from UC San Diego is in the room with a few comments.

18 CHAIR WEISENMILLER: Sure. Byron, please come to
19 the microphone.

20 MR. WASHOM: Chairman Weisenmiller, Commissioners,
21 it's good to be back. By the way I'm back full-time, aloha.
22 It's been a great year taking a half-time reduction in my
23 appointments. But this is a very important project to, not
24 only us, but the region, because it's symbolic of the type of
25 solutions that we need, as Ryan pointed out, with the outages

1 or the decommissioning of SONGS, once-through cooling and the
2 carb restrictions.

3 But there's two things I would like for you to
4 track during the course of this project. One is, if you
5 benchmark our combined heat and power central utility plant
6 it is -- in 2010 it got an EPA Energy Star Award for
7 achieving 66 percent. That plant is 27 megawatts. In this
8 case we are dealing with an order of magnitude smaller unit
9 at 2.8 megawatts and our efficiency will be 68 percent. So
10 we've been able to reduce the distributed energy resource by
11 an order of magnitude in capacity. But we've achieved an
12 increase in efficiency. That is very, very significant
13 statewide.

14 The other thing that is significant, is as you
15 know, this system fits on the footprint of a tennis court.
16 And it serves the equivalent of a community of 98,000 people.
17 So we're very proud to be a part of this project. And it's
18 very significant not only to our university, but also the
19 L.A., Orange County, San Diego Basin affected by the current
20 events. Thank you.

21 CHAIR WEISENMILLER: Thank you. I probably would
22 just state though that San Onofre is not decommissioned.
23 It's probably going to take probably a decade or more, but it
24 is shut down.

25 MR. WASHOM: Okay, thank you.

1 COMMISSIONER MCALLISTER: So thanks for coming,
2 Byron. It's great to have you back. I'm sure everybody at
3 UC and beyond is happy to have you back at full steam. And
4 just I have to highlight that the leadership of UCSD, and
5 within the context of the Governor's goals for CHP, and
6 obviously an innovative project with respect to combining
7 absorbent chillers which have a lot of potential that
8 currently I think is unrealized, you know? But that actually
9 are a technology that can do a lot in a sunny place or in a
10 place like San Diego. And combining and integrating to
11 improve efficiency is just good sense and we really need
12 innovation at places like UC.

13 And I wanted to just highlight, you know, the fact
14 that this is a research project and that the data will be
15 coming in and we'll learn a lot from it, I think is really
16 key. And not just for this item on the agenda, but for the
17 previous research items, you know, we're investing a lot.
18 And the learning is really what we're investing in. Yeah,
19 we're buying equipment and yeah, we're getting things done in
20 buildings that people operate and work in. But we're also
21 getting information and learning and that's just really
22 important for helping us develop policy going forward. So
23 these research projects just as a group I think are, you
24 know, they're major investments we're making. And the
25 expectation is that we'll get a lot of learning out of it, so

1 I know the PIER EPIC research staff knows that and
2 communicates that. And I just want to reiterate, but this
3 looks like a great project as well.

4 COMMISSIONER SCOTT: I'd also just like to echo the
5 welcome back to Byron. I had a great time down at UCSD
6 actually seeing some of the other projects that they're
7 innovating on, so I would just kind of underscore some of the
8 remarks that Commissioner McAllister just made about
9 innovation and the importance of the research and the
10 learning that we have going on. It's just pretty exciting
11 stuff.

12 COMMISSIONER MCALLISTER: So I'll move Item 20.

13 COMMISSIONER SCOTT: Second.

14 CHAIR WEISENMILLER: All those in favor?

15 (Ayes.) It passes 4-0. Thanks again.

16 MR. SMART: Thank you.

17 CHAIR WEISENMILLER: But let's go on to Item 21,
18 Energy Commission Strategic Plan, Rob?

19 MR. OGLESBY: Thank you, Chairman and
20 Commissioners. The Energy Commission's Strategic Plan is a
21 plan that was correctly observed by the auditors when they
22 did our FISMA Report as a plan that was sadly out of date.
23 The last time it had been updated was 1997, so this item on
24 your agenda is an update of an existing plan to kind of bring
25 us up-to-date in several areas.

1 For the people who are listening and may not be
2 familiar with the strategic plan I'd want to quickly observe
3 that this is not a policy document for energy policy or a
4 strategic plan for energy purposes. This is a plan that is
5 set forth in the government that agencies do to help govern
6 their operations. And as such it'll help direct our programs
7 and bring it up-to-date. It has a few elements I'll preview
8 and the presentation will be very brief.

9 First, it speaks to the Energy Commission's mission
10 and from that we borrow directly from the Warren-Alquist Act,
11 which very effectively and concisely set forth the reasons
12 for the creation of the Energy Commission and the mission and
13 goals for the Commission in broad strokes.

14 The second element of the strategic plan includes
15 our values as an organization. First and foremost is public
16 service. It also stresses that we value our very good
17 workforce and the expertise of our workforce as one of our
18 strongest assets. And third, our value of excellence in our
19 products and services.

20 And finally the third and final segment of the
21 strategic plan refers to the goals of our organization. And
22 as you would expect Goal Number 1 is Energy Policy where the
23 energy -- where we make energy public policy recommendations
24 based on relevant and objective information.

25 Number 2 is Information Resources, which is

1 becoming increasingly important in this age of data. Collect
2 targeted energy data and make sure that the energy data is
3 managed responsibly and is secure.

4 Third, Research, Development and Demonstration
5 where we promote strategic energy investments to foster
6 innovation to create new energy solutions, cultivate regional
7 innovation and bring clean energy ideas to the marketplace.

8 Fourth, Power Plant Siting, in compliance with all
9 the applicable laws, ordinances, regulations, and standards
10 in a manner that protects the public health and safety,
11 preserves environmental quality, enhances the general
12 welfare, and contributes to efficient and reliable energy
13 system and well-functioning energy market.

14 Number 5, Building and Appliance Efficiency
15 Standards, progressive building and appliance energy
16 efficiency standards that maximize durable and reliable
17 energy efficiency.

18 And then the last two are actually new additions to
19 the plan that reflect our evolving mission here at the Energy
20 Commission. One is Transportation, a recognition that our
21 duties involve the promotion and development of, and
22 deployment of advanced transportation technologies.

23 Number 7 recognizes Renewable Energy, to support
24 California's ambitious, yet achievable, Renewables Portfolio
25 Standard.

1 And finally Number 8, Excellence in Management, an
2 understanding that one of our top goals as an organization is
3 to promote and develop excellence in our management team and
4 to ensure accountability.

5 And with that I'd ask for your adoption as a
6 resolution that would adopt this update to our Energy
7 Commission Strategic Plan.

8 CHAIR WEISENMILLER: Thank you. Commissioners, any
9 questions or comments?

10 COMMISSIONER MCALLISTER: I would just say, you
11 know, I really like this document. It reflects the
12 discussions that we had at our offsite and I want to thank
13 the Chair certainly, and Commissioner Hochschild for
14 spearheading that offsite and sort of making that happen. I
15 think that was a really productive discussion amongst all of
16 us and a few stakeholders in the room and nice place to --
17 you know, low cost but high-impact, and certainly Rob for
18 doing all the logistics to make that happen. I think that
19 was a super, very productive use of all of our time and
20 resulted, among other things, in this document that we've all
21 since contemplated, thought about and proposed changes to.

22 So I certainly think that it's great. There are a
23 couple of items that I really am interested in following
24 through on and making sure that with this high-level
25 statement we really roll up our sleeves and push forward to

1 respect it. So I want to just again, thank Rob for his
2 leadership on this. I will move Item 21.

3 COMMISSIONER HOCHSCHILD: Second.

4 CHAIR WEISENMILLER: All those in favor?

5 (Ayes.) This also passes 4-0.

6 Let's go to Item 22, Veronica?

7 MS. RODRIGUEZ: Good morning. My name is Veronica
8 Rodriguez and I'm the Personnel Officer for the California
9 Energy Commission. This request is for approval to seek
10 authorization from the California Department of Human
11 Resources to increase our Executive Director's salary by
12 seven percent. This increase will bring out Executive
13 Director salary to a level that is commensurate to that of
14 executive directors overseeing similar state agencies. Thank
15 you for your consideration.

16 CHAIR WEISENMILLER: Thank you, very much.
17 Commissioners, any questions or comments?

18 COMMISSIONER HOCHSCHILD: Yeah, I would just note
19 that I think the responsible -- I'm in full support of this,
20 the responsibility is actually higher than it's ever been at
21 the Energy Commission today. We're giving away, if you add
22 up everything, you know on the order of \$800 million this
23 year. It's a big responsibility on an executive director.
24 And I'm personally very grateful Rob, for all your work and
25 the way that you have collaborated with five commissioners

1 all making many demands on you and many division directors
2 reporting into you. I've thoroughly enjoyed working with you
3 and I absolutely am in support of giving you a salary that's
4 commensurate with other agency directors.

5 COMMISSIONER SCOTT: Yeah, I would just add to
6 that. You, I think bring a wonderful professionalism,
7 pragmatism, expertise where we're very lucky to have you.
8 It's a lot going on and I think you do a great job, so thank
9 you for your good work.

10 COMMISSIONER MCALLISTER: I'll chime in. I'm
11 getting the sense we don't need an executive or a private
12 executive session to talk about this. But I have really
13 enjoyed working with Rob since I've been on the Commission.
14 Your level of competence and sort of seeing foresight, seeing
15 things coming down the road, and giving all of us the heads-
16 up on it, problem solving with the inevitable problems that
17 pop up, just that consistency and equanimity that you bring
18 to it and that experience and the seasoning that you've had
19 through the years in various roles. I think it just comes
20 through very, very strongly.

21 And one thing I just want to highlight and it's
22 good, Veronica thanks for presenting, you know one area that
23 I just really see Rob's value in particular is in the
24 personnel management and kind of balancing between
25 recruitment retention and kind of the professional

1 development aspects of getting and keeping good staff. But
2 also, balancing that with accountability, regular reviews,
3 clear work scopes, all that kind of stuff that really is just
4 good management. And that I think a big agency like this, we
5 have to have that. And it allows us to do what we do better
6 and better.

7 So just in the really brief time that I've been
8 here, I mean it's a couple of years that's flown by, I've
9 just seen improvement really in leaps and bounds. And it
10 just makes all the sense in the world for me to apply those
11 same principles to our Executive Director who obviously, as
12 Commissioner Hochschild said, has lots of responsibility: a
13 lot of late nights, early mornings and we see it every day.

14 And yeah, I think expressing our appreciation in a
15 way that puts you in line with your colleagues at other
16 agencies just makes perfect sense. So thank you for your
17 service.

18 CHAIR WEISENMILLER: Yeah, certainly that -- and
19 obviously looking at the performance review, it as strong.
20 But I think one of the real indications of that is I can in
21 prior years, at least when I first came, there was this sort
22 of general phenomena of the Energy Commission, as we were
23 dealing with the end of the year, that there was suddenly
24 this incredible push to get contracts out the door. And
25 while this has been a fairly long agenda, it's not like we're

1 having two or more in a month and having just this whole
2 sense of how do we push things out at the last minute. So
3 certainly I appreciate Rob and Drew both, who really focused
4 on that and let's get a real flow on that.

5 And also, I mean frankly I think we all know that
6 we've discussed earlier today, the building standards. The
7 Building Standard Implementation, which has been shall we say
8 somewhat painful, but I think if it hadn't been the Executive
9 Office's focus on that we certainly would not be where we
10 were today with parties telling us everything is ready, now
11 it's time roll.

12 So again I certainly appreciate the activity. I'm
13 looking forward to what we can achieve in the future years in
14 terms of again making the organization run more effectively
15 and efficiently. So do I have a motion?

16 COMMISSIONER SCOTT: I'll move this item.

17 COMMISSIONER MCALLISTER: I'll second.

18 CHAIR WEISENMILLER: Let's have a vote.

19 COMMISSIONER MCALLISTER: The vote?

20 CHAIR WEISENMILLER: No, I'm looking for the vote
21 now. Okay, all those in favor?

22 (Ayes) So this also passes 4-0. Thank you. Thank
23 you, Veronica.

24 COMMISSIONER MCALLISTER: Thanks, Veronica.

25 CHAIR WEISENMILLER: Let's go to Lead Commissioner

1 or Presiding Member Reports. Let's start with Commissioner
2 Hochschild.

3 COMMISSIONER HOCHSCHILD: Yeah, just real briefly.
4 Let's see, Commissioner Scott and I did a very interesting
5 visit to a -- actually I'll let her give the update on that.

6 I guess the main thing that's coming up for me next
7 week I'm going to the Builder's Show, the Pacifica Builder's
8 Conference in San Francisco to present to all the home
9 builders about the new Solar Homes Program. Where actually
10 the number of homes projected to be built in the State has
11 increased even since my last conversation with CDIA. It was
12 originally they were expecting 85,000 homes, then 100,000.
13 Now the projection's 115,000 homes, so the new home market is
14 really picking up and we want to really get as many of those
15 builders to participate as we can.

16 We have clearly, you know, Lenar and KB and some of
17 the other heavyweights, some real leadership but I think our
18 program in total has given grants to 70 builders. That's 70
19 separate builders, but there's only a few that are doing it
20 in high volume, so I'm going there with Quinn and others.

21 I've got somebody else I want to introduce, our
22 summer fellows Gustavo Vasquez and Cassandra Ayala, it's
23 great to have you guys. They've been a total joy to work
24 with and have been already getting a lot done, so wonderful
25 to have you. I got a good --

1 CHAIR WEISENMILLER: Actually, let me hold you for
2 one more second.

3 COMMISSIONER HOCHSCHILD: Okay.

4 CHAIR WEISENMILLER: As pointed out in my eagerness
5 to help you get out, that I didn't address the minutes. So
6 let's have a vote on the possible approval of the May 14th
7 business meeting minutes.

8 COMMISSIONER SCOTT: May I make one amendment to
9 the minutes?

10 CHAIR WEISENMILLER: Sure.

11 COMMISSIONER SCOTT: It's on page 5 under Item 17b
12 and there's a typo there. So it says, "The vote was passed
13 4-0. Commissioner Scott recused herself from Item 1ba." But
14 what it should really say is, "Commissioner Scott recused
15 herself from Item 17b." So with that I'll move the minutes.

16 COMMISSIONER MCALLISTER: Second.

17 CHAIR WEISENMILLER: All those in favor?

18 (Ayes.) It passes 4-0. So yeah, thank you. No,
19 he's done, Janea?

20 COMMISSIONER SCOTT: All right. Well, I will echo
21 what Commissioner Hochschild said about the dairy digester
22 (inaudible) landfill that we had a chance to go and visit.
23 It was pretty terrific. It was neat to see a couple of
24 different ways that fuel, renewable fuels, are being made in
25 the State. So at the landfill what was pretty neat is they

1 are able to capture the methane from that landfill and
2 they're using it to make both compressed natural gas,
3 liquefied natural gas, and sometimes they use it to run a
4 turbine that makes electricity. So they kind of using it for
5 in all three ways and it depends on the prices in different
6 things how they do that, but it was really a neat thing to go
7 and see.

8 I had a chance to visit China Lake Military Base
9 and that was terrific. It was great. The commander of the
10 base actually spent almost two whole days with me and with
11 the team talking through different things that we might be
12 able to all work on together, a lot about their mission, we
13 told them a lot about our mission. Two things that we
14 overlap with a lot with China Lake are the renewable energy
15 and their push for renewable energy and also on electric
16 vehicles. And so it was great chance to just get to go down
17 there and work with them, build some relationships and
18 hopefully find some projects and interesting things that we
19 can all work on together.

20 I also had an opportunity last week to go to the
21 Hyundai in Tustin, California which was fantastic. So this
22 was the first Hyundai Tucson. It's a fuel-cell electric
23 vehicle, so they were giving the keys to the very first
24 driver, the very first person who was leasing those. And it
25 was just great to see the poor guy and his family were

1 probably just like, "Please, let us have our car," but it was
2 great. We had the Fuel Cell Partnership, Energy Commission,
3 the Air Resources Board, the President of North American
4 Hyundai there. This was a pretty big deal and then they had
5 a whole bunch of them on the lot that I hope were also leased
6 and ready to go. So it's just great to kind of see that
7 getting going. And so that was a lot of fun.

8 And then the only other thing I would highlight for
9 you all is some of the IEPR workshops that we have been
10 doing. We've had one on climate change and the potential
11 impacts of climate change to our transportation
12 infrastructure. That was really, really interesting. The
13 folks who came and presented to us talked a little bit about
14 how it may impact highways. How it may impact pipelines.

15 Just the one thing that I found really interesting
16 about the pipeline piece is some of it was the weight of the
17 water that might be sitting on the pipeline versus the
18 corrosion effects. And I hadn't actually thought of about
19 that piece before, so I thought that was a terrific workshop,
20 very interesting.

21 We did one on the statewide charging infrastructure
22 and so that was great. And Raul came and gave us, actually a
23 pretty in the weeds presentation, on the infrastructure
24 report. But we had a great -- and we followed it up with a
25 conversation that included folks like Christine Kehoe,

1 Richard Lowenthal, Terry Odei from NRG, I can't get all eight
2 folks that were here, but it was just a really good
3 discussion about what is it that -- and Wade Crowfoot from
4 the Governor's Office helped facilitate that with me and
5 Randall Winston as well. And we just really talked through
6 what are some things that the State can do next. What are
7 the things that the State ought to be working on that will
8 have the most impact in moving the charging infrastructure
9 ahead. So I thought it was a really interesting workshop.

10 And then we had one last week where we talked about
11 how we measure the success of the Alternative and Renewable
12 Fuel and Vehicle Technology Program and that one was also
13 really, really interesting. We have 11 criteria that the
14 Legislature has laid out for us and it's everything from
15 petroleum reductions criteria, air pollution reductions,
16 greenhouse gas reductions, number of jobs created.

17 And so how do we take all of those and sort of,
18 which we have been doing, but how do we sort of articulate
19 that better, make it more transparent. Are there different
20 metrics that we ought to be using? Pull in some for various
21 categories or take some out for other categories. And we
22 just had a great opportunity to talk through how to measure
23 the success of the really robust way. Anthony Eggert came
24 over from UC Davis and again, we hosted kind of a round table
25 discussion with a whole set of folks who've been thinking

1 about this for awhile like Tom Coquette, (phonetic) like Eric
2 White. We had folks from the Environmental Protection Agency
3 come with the public health benefits and just really talk
4 through what some good metrics and measures may be, so that
5 we can carry those forward into the program.

6 And then two upcoming ones that I'll highlight for
7 you. One is next Monday, it's about transportation,
8 electricity and natural gas. So we'll be talking about
9 vehicle grid integration. We will be talking about some
10 things that kind of go right along with the projects that we
11 approve today. Chair Weisenmiller will be there with
12 Commissioner Douglas and me and we're delighted that we'll be
13 joined by Commissioner Peterman from the Public Utilities
14 Commission and also by Steve Berberich from the CALISO.

15 And then next Wednesday we're doing Changing Trends
16 and Sources of California Crude. That'll be held in East
17 Berkeley. It'll have members from the Governor's Office,
18 Mike Peevey from the Public Utilities Commission, the Chair,
19 myself and Commissioner Douglas. And we will get a broad set
20 of information. Just all of the facts, all of the
21 information that everyone has about across the State, what
22 our roles are, what our responsibilities are, what data do we
23 have, what data might we need to be able to fulfill our jobs
24 and roles well.

25 We'll also hear from the federal agencies who have

1 a role in this. And we'll get some perspective also from the
2 railroads, from the environmental organizations and from
3 WSPA, so it should be a really interesting day. That's next
4 Wednesday, June 25th, so those are coming up. That's it for
5 me.

6 CHAIR WEISENMILLER: Great.

7 COMMISSIONER MCALLISTER: That's good stuff. I'm
8 happy to see the IEPR update in your capable hands. And we
9 do have a workshop in some of my areas coming up in August,
10 but yeah. So thanks for shepherding that process.

11 I guess just a few brief comments. Yesterday and
12 actually today, NASEO, the National Association of State
13 Energy Officers or Officials rather, has been having their
14 central and regional and then western regional meeting out
15 here in Sacramento. So it's been a nice opportunity for us
16 to host in a way that, and interact with our colleagues at
17 state energy offices across the western half of the state.
18 So they have a really good turnout, you know, all the states
19 in those two regions have been represented at a reasonably
20 high level.

21 And I think it is highlighted to me again the
22 benefits of our reengagement with NASEO. We were a little
23 bit under the radar with them for a few years and we've
24 reengaged. And I think having that kind of circle of
25 communication with our colleagues in other states, and with

1 NASEO at the federal level or in D.C., is really helpful just
2 to kind of keep our finger on the pulse of what's going on
3 beyond our borders. And also provides a terrific opportunity
4 to provide leadership. I think that's been missed.

5 California is doing so much interesting stuff I
6 think it just blows the other state energy offices away when
7 we get up there and we say, "Oh, we have 650 FTEs and we're
8 doing all of this. We have this kind of grant program and
9 then these loan facilities." And all the things that we are
10 able to lead on, because we are a large market and have a
11 committed elected official support and also, you know, a lot
12 of statute that pushes us in this direction and fundamentally
13 our voters.

14 So I think it really is we have a large agency and
15 many of these -- a couple of the states have one employee.
16 One state has half an employee in their state energy office.
17 And we don't even do the weatherization programs, that's in a
18 different agency. And many of them, that's their main thing.
19 So it really is a great opportunity for us to have an
20 influence more broadly and federally.

21 Just a few issues that were on the agenda: you
22 know, I think by far the highest priority agenda item from
23 any states was the new Clean Air Act 111(d) proposal from EPA
24 to limit over time, reduce carbon emissions from existing
25 power plants. Lots of different opinions as you might

1 imagine in the western states, central and western states on
2 that widely varying uses of different fuels, particularly
3 coal. A lot of questions and good issues brought up about
4 what kind of feedback EPA is asking for and what we should
5 tell them.

6 And NASEO I think does a good job of herding the
7 cats a bit and presenting at least the consensus items and
8 characterizing the areas of disagreement, so that EPA can do
9 things that we want and ask, for example, engage with DOE to
10 get the kinds of resources they need to help states develop
11 these plans to reduce their carbon emissions. And so I was
12 able to get a few agencies represented at the meeting.

13 CSD came over this morning and talked about the
14 weatherization on that agenda item. Yesterday we had a great
15 presentation with ARP about two things: about one, their
16 participation in perspective of California in the 111(d)
17 arena. And then also describing for the other states our cap
18 and trade program, which could be a tool for other states to
19 comply and provide the model for them. So I think that just
20 that's an example of our leadership and how we have a lot of
21 opportunities going forward to provide it and influence
22 things beyond these borders.

23 Drought, and our response to the drought, obviously
24 another big issue.

25 Energy and balance market, we have a lot of people

1 looking at that across the left to see how it's going to work
2 and looking to us and the PEC and the ISO for leadership on
3 that. So anyways lots of good discussion and I think people
4 were happy to be in California talking about these issues.

5 Rob Oglesby and I went down to Burbank in the last
6 month, a few weeks ago now, and we had a really interesting
7 trip. That's a mid-sized publicly-owned utility, municipal
8 utility, that has just shown so much leadership on the clean
9 energy and just best practices in their general utility
10 operations investments. And they do water and power and they
11 really are leaders on both fronts. Their campus where
12 they've got a couple of -- they've got a generation station
13 and all their corporate offices as really an example of a
14 terrific, very environmentally friendly in their particular
15 context, facility.

16 So they're doing a lot of good stuff and
17 particularly on the energy efficiency front, which we drove
18 into quite a bit and a smart grid front. They have a
19 incredible system of data collection and they really use
20 their smart meter data to provide targeted services to their
21 customers. They really are learning about their customers
22 and providing services that their customers want. And being
23 very proactive with that and intelligent about how they
24 engage with their customers. And I think they really provide
25 an example for all the utilities, the publicly-owned ones and

1 the invest-run ones in that regard. So that was a terrific
2 trip.

3 Then finally I will just highlight, I did a
4 speaking event actually remotely. I haven't been able to
5 travel as much as some of my colleagues here, so I'm
6 traveling vicariously through them. But there is an
7 organization called CADER, the California Association for
8 Distributing Energy Resources, which has been around for
9 awhile and is reengaging on distributed resources. They're
10 based in San Diego and have a lot of members that are
11 involved in the small-scale power generation, smart grid
12 etcetera.

13 And SANDAG organized an event for them, with them,
14 that I think just highlighted the fact that Southern
15 California and San Diego, they are really looking for
16 opportunities to help solve the reliability issue and really
17 get engaged with it and provide solutions. And looking to
18 policy makers to sort of provide the lining on the field, so
19 that they know what's possible and what's not. And, you
20 know, not everything they want obviously is possible, but
21 there are some interesting technologies out there and some
22 folks that are looking to invest in this sector. And so that
23 was another forum for talking about those issues, which I
24 thought SANDAG showed some leadership in organizing.

25 So I think that's about all I want to say at this

1 point. But again, just lot's of interesting stuff going on,
2 trying to move forward on the big list.

3 CHAIR WEISENMILLER: Yeah, no that's good. That's
4 good. I mean, in terms of my focus on the one hand it's
5 been, as you know, as part of the Governor's priorities are
6 climate change one of the things we're really doing is really
7 reaching out internationally and nationally.

8 So in terms of international we both had an event
9 with the Governor of Shandong, a very interesting discussion
10 with him on this sort of China-California connection. And
11 then Matt Rodriguez and I did a presentation to the Alliance,
12 the NRDC's group in China, had about 100 people there. And
13 Steve Black introduced us and sent obviously his -- actually
14 he said he missed (inaudible) not too surprising.

15 But that was fun and at this point we're really
16 changing focusing on the trip to Mexico at the end of next
17 month. You know, we're going there. It's going to be a very
18 similar to the one we did to China and a combination of the
19 Governor will talk, I'm sure, to every Mexican official about
20 climate change. We'll also look at trade and look for
21 business opportunities, but working very closely Matt
22 Rodriguez on the climate side, working very closely with Mike
23 Rossi on the business development side. So anyway a lot of
24 things here, Christian's helping me a lot on the Mexico side,
25 a delegation pretty packed at this stage. But, you know,

1 again we're sort of trying to put all the pieces together.

2 Along with that I'll certainly let Michael talk
3 about the EPIC decision. I was told yesterday by Edison that
4 they are not appealing, but anyway I'll go on to the others
5 and then we can circle around.

6 111(d), obviously working very closely with Mary
7 Nichols on that, and on the outreach to the other states.
8 You know, she and I did a pretty good call to congressional
9 delegation this week on stuff, so again she's been very
10 active on that.

11 The Diablo Canyon Independent Safety Committee was
12 set up as part of the settlement of the Diablo Canyon issues.
13 There are representatives there of the Governor, the Attorney
14 General and the Energy Commission. And last week I was the
15 first appointing authority ever to go to one of their
16 meetings, went down to San Luis Obispo, thank Kevin for the
17 drive back and forth.

18 But anyway it is certainly a very important group
19 and certainly Diablo is on the one hand very attractive as a
20 low-carbon asset. On the other hand we all know that, you
21 know, slipups can convert nuclear power plants from whatever,
22 half a billion dollar asset to a multibillion dollar
23 liability in a matter of 20 minutes. So safety there is very
24 important and it's actually unusual for the State to have a
25 law on safety, but that came out of the settlement. So

1 anyway I think it's a very good group, certainly I thought it
2 was important to emphasize their role by going. And so I
3 focused on that.

4 And I was also going to just make sure everyone
5 knew that there's now, I'm now part of the Energy Imbalance
6 Market Transitional Committee. So that it's a group of 11
7 members, throughout the West basically then notion is to have
8 a parallel structure to the ISO Board, but to basically work
9 through the implementation of the Energy Imbalance Market.
10 You know, which is obviously really critical.

11 I would point to the Governor's letter actually,
12 and the Governor of Nevada wrote a joint letter, to FERC
13 basically emphasizing their support for Nevada joining the
14 Energy Imbalance Market. And Harry Reid obviously wrote a
15 similar letter.

16 I mean, FERC, recently has been in fact
17 implementing or accepting the implementation of the tariffs
18 of the ISO Pacific Corp. I know that they adopted stuff in
19 their business meeting this week and there's an ISO press
20 release on it that went out yesterday. I'm not quite sure if
21 it was Pacific Corp or Nevada or both, but anyway again
22 certainly the FERC is also very supportive. And so that was
23 a good move.

24 Certainly as we go forward we'll be looking for the
25 energy imbalance market to be a key part of dealing with

1 renewable integration. You know, that's obviously the
2 broader geographical footprint you get the better you're
3 going to deal with the operational and cost issues there. So
4 anyways, it's a huge step. It's not going to take a lot of
5 my time frankly, but it's important. And certainly it's the
6 high priority for the administration starting with the
7 Governor.

8 UNIDENTIFIED SPEAKER: (Inaudible)

9 CHAIR WEISENMILLER: Yeah. Well, yeah who knows?
10 Actually yeah, before I came here I actually did work for
11 them on acquisitions, but I didn't meet him but certainly
12 worked directly (inaudible) on some of their acquisitions.
13 So I think with that I think I've covered the pieces. Let's
14 go over to Chief Counsel's Report.

15 MR. LEVY: Good afternoon, Commissioners. Just no
16 real report, but following up on the Chairman's request. I
17 just learned from the Court of Appeal, the Court of Appeal
18 decided to publish the EPIC decision and so that's an
19 interesting development. And so it's nice to hear what you
20 said about Southern California Edison. From our standpoint
21 I've told you, at least privately, that the work on that case
22 was pretty heroic from a large team of lawyers here in the
23 office and also program staff. And I won't go over all of
24 their names, but they should all be commended collectively,
25 nothing else really to report.

1 CHAIR WEISENMILLER: You know, they did a very nice
2 job. Obviously that was, and I'm looking at Lori in the
3 background, it was both very important to us and obviously a
4 huge win.

5 COMMISSIONER MCALLISTER: You said they've not
6 published it, yet?

7 CHAIR WEISENMILLER: They've decided to publish it.

8 COMMISSIONER MCALLISTER: Oh, they've decided to
9 publish it.

10 MR. LEVY: As of today the court issued that order.

11 COMMISSIONER MCALLISTER: Oh, great.

12 CHAIR WEISENMILLER: But Edison has, you know, at
13 least we were assured yesterday by Kramer (phonetic) they
14 were not going to appeal.

15 COMMISSIONER MCALLISTER: Yeah, okay. Excellent,
16 but that's now on the record.

17 CHAIR WEISENMILLER: So Rob?

18 MR. OGLESBY: A couple of things I should advise
19 the Commission about. One is that yesterday I appeared
20 before the State Water Resources Control Board to give an
21 annual report representing a committee that assesses the
22 progress of once-through cooling facilities to phase out of
23 once-through cooling. And very briefly the -- and this is in
24 consultation with our sister agencies including CALISO and
25 CPEC as well as some others. But the report essentially was

1 that most plants in the State are on track to comply with the
2 phase-out schedule adopted by the Water Resources Control
3 Board. But we did enter the recommendation of the SACCWIS
4 Committee -- was to not make a change in that schedule at
5 this point and time.

6 But we did flag a few facilities that bear close
7 watching. And they bear close watching primarily related to
8 uncertainty as a result of SONGS being off, permanently
9 closed, the appearance of other resources and some concerns
10 about needs for continuing operation that may be needed to
11 help provide reliability in various regions of the State. So
12 we did flag a few of the generating facilities that bear
13 closer watching as we go forward. And those included
14 Huntington Beach, Alamedas and Carlsbad in particular. We
15 also flagged Moss Landing, which is in a different
16 circumstance, but also has a bit of uncertainty associated
17 with that. And the report was well received.

18 Tomorrow I'll be participating in a stakeholder
19 meeting hosted by the Department of Energy as part of their
20 quadrennial energy review process, which results in our ports
21 similar to or I'd say analogous to an IEPR. It'll be
22 convened by Dr. John Holdren, the Assistant to the President
23 for Science and Technology and Director of the Whitehouse
24 Office of Science and Technology Policy.

25 My role on that will be to provide a description of

1 Energy Commission activities related to water energy. And
2 this is one of many stakeholder sessions held throughout the
3 country with this particular meeting focused on water energy.
4 That's it.

5 CHAIR WEISENMILLER: Public Advisor Report.

6 MS. MATHEWS: Good afternoon. Let's see, we
7 received a number of calls this past couple of weeks
8 regarding AB 1103 as well as a couple of other building
9 standards questions that were more appropriate for the
10 hotline.

11 We've also had a number of inquiries regarding
12 Palen and the Hidden Hills Solar Projects. And we've had
13 inquiries regarding the sustainability form regarding how
14 alternative E85 vehicles are on the road in the Sacramento
15 region. I'm just trying to highlight some other calls that
16 we've received.

17 And some activities that we've initiated: we have
18 created a signup sheet for the Spark Newsletter, so now that
19 everyone who attends the business meeting to kind of help
20 encourage them learn about other things that are going on at
21 the Energy Commission we have that available for signup.

22 And I will be assisting this Friday in conjunction
23 with Commissioner Scott's office. We will be doing some
24 outreach at one of the chambers throughout the State. And I
25 believe that there are a couple more activities with the

1 different specialty chambers: one in September and one in
2 August. And then next week I will be assisting with the IEPR
3 workshop on the 25th to make sure we have enough support for
4 the public.

5 And I also had an intern, so Jose I'll have you
6 stand up. This is an intern from CK McClatchy. He is with
7 the Public Advisor's Office and he is a rising senior. He is
8 in their law academy program and he's been busy for the last
9 two days working very hard.

10 I'll just share another thing that the Public
11 Advisor's Office has taken on. We have a number of hard
12 physical mailing lists that seem to be outdated. I think all
13 of the contact people no longer work here. So we are trying
14 to make sure that we serve the public, but we make sure that
15 the resources of the Commission are available and we're not
16 spinning our wheels on things that it's not necessary
17 anymore. And that actually is in conjunction with the Legal
18 Office, so Jeff Ogata has been instrumental in maintaining
19 that list. And we just decided to help him figure out what
20 can be purged and what should stay.

21 And that's it. Thank you.

22 CHAIR WEISENMILLER: Thank you. One question, I
23 know you've been working with Lauren on what (inaudible) with
24 the Bradford commitment?

25 MS. MATHEWS: Yes.

1 CHAIR WEISENMILLER: It's probably good for the
2 Commissioners to hear about that.

3 MS. MATHEWS: Yes. So I have identified, actually
4 working in conjunction with Lauren Greenwood and Commissioner
5 Scott's office of all of the specialty chambers. So the
6 Black Chamber of Commerce, the Hispanic Chamber of Commerce,
7 the Asian Chamber of Commerce and different other
8 organizations that we have identified that traditionally have
9 not been able to participate in any of the Energy Commission
10 processes. So we want to make sure that they get all of the
11 notices, so that they can then participate.

12 In addition to that effort, I have also been
13 reaching out to different contractors and union
14 representatives, because they have traditionally been
15 underrepresented in the solicitation process. So to that
16 end, and in fact on the outreach that we're going to do on
17 Friday of this week, we'll have a booth that kind of gives a
18 overview of what we do at the Commission. But it will
19 definitely include some of the programs and opportunities
20 available through EPIC. And that's it.

21 CHAIR WEISENMILLER: Thank you. Any public
22 comment? Okay, this meeting is adjourned.

23 --o0o--

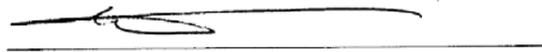
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