

DOCKETED

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In the Matter of:)
) 17-BUSMTG-01
 Business Meeting)
)

WEDNESDAY, DECEMBER 13, 2017

10:00 A.M.

CALIFORNIA REPORTING, LLC
229 Napa Street, Rodeo, California 94572 (510) 224-4476

APPEARANCES

Commissioners

Robert Weisenmiller, Chair
Karen Douglas
David Hochschild
Andrew McAllister

Staff Present: (* Via WebEx)

Drew Bohan, Executive Director
Kourtney Vaccaro, Chief Counsel
Eunice Murimi, Public Adviser's Office
Cody Goldthrite, Secretariat

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Public Comment(* Via WebEx)

Larry McLaughlin, Advanced Transportation and Renewable Energy Inland Empire/Desert Community College Region College of the Desert

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Pursuant to Government Code section 11126(e), the Energy Commission may also discuss any judicial or administrative proceeding that was formally initiated after this agenda was published; or determine whether facts and circumstances exist that warrant the initiation of litigation, or that constitute a significant exposure to litigation against the Commission, which might include:

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P R O C E E D I N G S

DECEMBER 13, 2017 10:09 a.m.

CHAIRMAN WEISENMILLER: Good morning. We're a little late. We had a fire alarm, but let's do the Pledge Of Allegiance.

(Whereupon, the Pledge of Allegiance was recited in unison.)

CHAIRMAN WEISENMILLER: We're going to start the business meeting with a minute of silence for Mayor Ed Lee. David?

COMMISSIONER HOCHSCHILD: Yeah, before we do if I could say a few words? Thank you, Mr. Chairman.

So 2017 has been a very difficult year on many, many levels and gotten a lot more difficult on Monday evening at 10:30. Mayor Lee passed away and left two daughters and a loving wife behind.

He has been a dear friend for almost 20 years. And when I was appointed, I talked to Chair Weisenmiller about where I wanted to be sworn in. And I decided in my hometown of San Francisco. And the Chair came down and Mayor Lee gave the keynote.

And I don't think you need to be a flashy personality to be a great leader. You don't need to be internationally famous to be a great leader. You need to have integrity. You need to have a big heart. And you can

1 tell a great deal about the content of a man's character by
2 how they treat people, not above them in the ladder of
3 power, but below them. And you can tell the most about how
4 the people -- how they treat people who are at the bottom
5 of that ladder.

6 And I watched Ed Lee, over the years even as a
7 Mayor, taking calls at night from tenants making \$18,000 a
8 year on fixed income and treating them like they were the
9 most important people in the world. He listened. He was
10 incredibly generous.

11 And as a Chinese American, you look at that
12 story, the first -- other than Willie Brown and Dianne
13 Feinstein, every single Mayor of San Francisco has been a
14 white man. And the Chinese American story is a difficult
15 story. Coming first to the gold rush and working the
16 railroads and the Chinese Exclusion Act, a history of
17 discrimination and being boxed out of political power. And
18 I feel this maybe particularly strongly marrying into a
19 Chinese family -- all my nephews and nieces and cousins.
20 But for Mayor Lee to rise to become the force he was I know
21 my children, my nieces and nephews; they see someone looks
22 like them and they know that they can rise too.

23 And it's a big loss for the City of San
24 Francisco and for the state. And so with that I'd ask for
25 a moment of silence in his memory.

1 (Whereupon, a moment of silence
2 was observed.)

3 COMMISSIONER HOCHSCHILD: Thank you.

4 CHAIRMAN WEISENMILLER: Let's go to the Business
5 Meeting. Let's start with Item 1, the Consent Calendar.
6 We're going to break that up and deal first with items a,
7 c, d, e, f. And then we'll deal with the -- so let's -- do
8 I have a motion on the first part.

9 COMMISSIONER MCALLISTER: I move those items.

10 COMMISSIONER DOUGLAS: Second.

11 CHAIRMAN WEISENMILLER: Okay. All those in
12 favor?

13 (Ayes.)

14 CHAIRMAN WEISENMILLER: So those pass 4-0.

15 Commissioner Scott is necessarily absent today.
16 And Commissioner McAllister is recusing himself on item b,
17 so let's hold off for a minute.

18 COMMISSIONER MCALLISTER: So just for the record,
19 the reason I'm recusing myself is that the item concerns
20 NASEO, the National Association of State Energy Officials.
21 And I'm on the Board. I'm a Vice Chair of the Board of
22 NASEO, so I wanted to recuse myself for this vote.

23 (Commissioner McAllister exits the room.)

24 COMMISSIONER DOUGLAS: So now that Commissioner
25 McAllister has left the room, I wanted to voice my support

1 for this item. NASEO is a very important organization and
2 it helps us both coordinate with other state energy
3 agencies on efficiency in other states. And also learn and
4 exchange ideas and best practices. It's a really,
5 particularly in today's environment, a really important way
6 of advancing, especially energy efficiency and other
7 partnerships. So I will move approval of this item.

8 COMMISSIONER HOCHSCHILD: I would second the item
9 moved with one request, which is at some point when it's
10 convenient for Commissioner McAllister it would be great to
11 get a presentation to the rest of the Commission about what
12 some of the highlights are. I know we've been a part of
13 this for a number of years, but just what are the most
14 interesting and compelling things we're learning from other
15 states. But I would second the item.

16 CHAIRMAN WEISENMILLER: Okay. All those in
17 favor?

18 (Ayes.)

19 CHAIRMAN WEISENMILLER: This passes 3-0 as
20 Commissioner Scott is not here and Commissioner McAllister
21 recused himself.

22 Let's go back to Item 2. Staff?

23 MR. SOKOL: All right. Good morning, Chair and
24 Commissioners. I'm Michael Sokol, filling in on this item
25 on behalf of Public Adviser Alana Mathews this morning.

1 So I'm pleased to present for your adoption today
2 the Senate Bill 350 Disadvantaged Community Advisory Group
3 Resolution and Charter.

4 Senate Bill 350, as codified in California Public
5 Utilities Code Section 400(g) mandates the Public Utilities
6 Commission and the Energy Commission to establish an
7 advisory group consisting of representatives from
8 disadvantaged communities. The advisory group shall review
9 and provide advice on proposed clean energy and pollution
10 reduction programs, and determine whether those programs
11 will be effective and useful in disadvantaged communities.

12 In determining the effectiveness and usefulness
13 of those programs the advisory group shall consider the
14 extent to which those programs meet three criteria.

15 The first is to increase access to clean energy
16 technologies in disadvantaged communities.

17 The second is to maintain or enhance the
18 affordability of energy services in disadvantaged
19 communities by considering potential rate impacts of any
20 proposed programs.

21 And the third is to increase the benefits of
22 clean energy programs in disadvantaged communities by, for
23 example supporting growth in local employment and small
24 business development as well as other non-energy benefits
25 including reducing pollutants and health risks.

1 Resolution E-4893 Draft from December 14th, 2017,
2 Disadvantaged Community Advisory Group will be considered
3 at the Public Utilities Commission as well.

4 So on August 1st, 2017 the CPUC and the Energy
5 Commission released a joint staff proposal to generate
6 public interest and solicit feedback on the structure and
7 responsibilities of this advisory group. The staff
8 proposal provided recommendations on advisory group size,
9 meeting frequency, general range of subjects to be covered,
10 as well as expected responsibilities. The proposal
11 addressed a number of questions to stakeholders to give
12 more shape to membership and the scope of work.

13 The CPUC and Energy Commission received informal
14 comments on the proposal through August 17th, of 2017 and
15 incorporated this important feedback into the draft of the
16 charter and resolution you're considering today.

17 The draft charter and resolution were posted on
18 November 1st for public review with a 30-day comment
19 period. We received two comments, which were considered in
20 presenting this final version today.

21 Lastly, the CPUC and the Energy Commission also
22 posted a request for applications for the advisory group,
23 which should be submitted to the agencies by December 22,
24 2017 for consideration by the two Commissions.

25 The resolution has been provided in your Business

1 Meeting backup materials for your consideration of adoption
2 today. Thank you. And I would be happy to answer any
3 questions you might have.

4 CHAIRMAN WEISENMILLER: Thank you.

5 Let's see, do we have any comments from anyone in
6 the room? Okay, I believe we have the Public Adviser on
7 the phone.

8 MS. MATHEWS: Hello, can you hear me?

9 CHAIRMAN WEISENMILLER: Yes.

10 MS. MATHEWS: Okay, so I'm here to answer any
11 questions that the Commissioners may have. But I did want
12 to emphasize that we have worked for almost a year with the
13 California Public Utilities Commission. I believe Melicia
14 Charles is there today. I don't know if she wants to make
15 any comments, but I at least want to acknowledge her
16 leadership and efforts in working with our agency to draft
17 this document resolution and help us shepherd the process
18 to get the advisory committee formed.

19 CHAIRMAN WEISENMILLER: Anyone else on the line,
20 public that had comments?

21 (No audible response.)

22 MR. SOKOL: So Chair, I just wanted to mention
23 quickly too that the Public Utilities Commission would have
24 had a staff person here, Melicia Charles. The train was
25 delayed and so they are stuck in the Bay Area. So they can

1 respond later.

2 CHAIRMAN WEISENMILLER: Okay. That's good.

3 Okay, so Commissioners -- so let's transition to
4 the Commissioners. Commissioner Scott asked me to read her
5 comments on this, so I want to do so and I'll start out.

6 "So, I would like to thank both Alana Mathews and
7 Mike Sokol for all the great work they have put in to
8 developing this charter. I'd also like to thank our PUC
9 colleagues, including Commissioner Guzman-Aceves and
10 Commissioner Rechtschaffen and their teams. It's really
11 been a collaborative effort, getting this across the finish
12 line. Adopting the charter today will be a big step
13 forward in getting this advisory group up and running.

14 "The advisory group will serve a critical role in
15 helping us better understand how programs resulting from SB
16 350 can be most effective and useful to disadvantaged
17 communities throughout the state. So I support moving this
18 item forward.

19 "I would also like to echo the December 22nd due
20 date for applications and encourage those of you who may be
21 interested to consider applying. And those of you, who
22 know of others that might be interested in participating on
23 this advisory board, please pass the application
24 information on to them. Thank you."

25 CHAIRMAN WEISENMILLER: So Commissioners, any

1 other comments or questions?

2 COMMISSIONER DOUGLAS: Well, just strong support
3 for the item and really appreciate the hard work and
4 interagency collaboration that went into this. It's really
5 important that we be able to hit the ground running with
6 this advisory committee. And really set up a forum where
7 we can get the benefit of people's engagement with us on
8 these important issues and get their help, and so I'm
9 really happy to see this step.

10 So I see Commissioner McAllister has a comment.

11 COMMISSIONER MCALLISTER: Yeah, I just wanted to
12 really double down on Commissioner Scott's message and
13 encourage people to apply. And it'd be great if we got a
14 lot of diverse range of applications with people with
15 different skill sets from different places, different
16 disadvantaged communities, because there's an amazing
17 amount of diversity across the state. I'm personally
18 interested in people with multi-family housing skills and
19 financial skills and just really skills that'll help the
20 direction that the group provides. And we don't want
21 necessarily everybody saying it exactly from the same
22 hymnal. We really want to understand and be able to deepen
23 these issues in a very functional and substantive way. So
24 that takes both vision and skills.

25 And so hopefully we can get a good diverse group.

1 COMMISSIONER DOUGLAS: So I'll move approval of
2 this item.

3 COMMISSIONER HOCHSCHILD: Second.

4 CHAIRMAN WEISENMILLER: All those in favor?

5 (Ayes.)

6 CHAIRMAN WEISENMILLER: So this passes 4-0.
7 Thank you.

8 MS. MATHEWS: Thank you.

9 CHAIRMAN WEISENMILLER: Let's go on to Item 3,
10 California Energy Commission Tribal Consultation Policy.

11 MR. GATES: Good morning. My name is Thomas
12 Gates. I'm the Energy Commission's Tribal liaison.

13 In December 2014, in response to Governor Brown's
14 Executive Order B-10-11 and the Resources Agency Tribal
15 Consultation Policy, the Energy Commission adopted a tribal
16 consultation policy per Order No. 14-12103. The policy
17 provides guidance to the Commission and informs California
18 Native American tribes on how we are to ensure effective
19 tribal consultations.

20 In September 2014 and just prior to adopting the
21 2014 policy, the California Environmental Quality Act was
22 amended per Assembly Bill 52. AB 52 detailed a formal
23 tribal consultation process for CEQA projects.

24 Certain elements of the amendment were to be
25 worked out over the next couple of years. For example, the

1 Office of Planning and Research was directed to update the
2 CEQA guidelines by July 1st, 2016. Because there was some
3 uncertainty to how the CEQA amendment was to be
4 implemented, and because the draft 2014 policy was
5 generally consistent with the amendment, staff advised the
6 Commissioners to adopt the policy at that time.

7 Three years have passed. Implementation of the
8 AB 52 CEQA amendment has generally settled and has
9 culminated in a June 2017 Office of Planning and Research
10 Technical Advisory entitled, "AB 52 and Tribal Cultural
11 Resources in CEQA." Staff has revised the Energy
12 Commission's policy to formally acknowledge the CEQA
13 amendment.

14 In preparing the revised policy, staff has
15 notified all 164 Native American Heritage Commission listed
16 tribes of its intent to revise policy.

17 Staff held one tribal meeting in Southern
18 California, staff held one tribal meeting in Northern
19 California and staff held one tribal web-conference
20 meeting. These meetings were held jointly with the
21 California Public Utilities Commission, which is developing
22 its own tribal consultation policy. In total, 15 tribes
23 participated in those meetings.

24 Two tribes provided written comment. Staff has
25 responded to the two tribes and has made revisions to the

1 draft revised policy that reflect those tribal comments.

2 In addition, staff has routed the draft revised
3 policy through an internal review process, including
4 multiple reviews by the Siting Division, Chief Counsel's
5 Office, Executive Office, and the Public Adviser's Office.

6 Staff has also held an Energy Commission Deputy
7 Director's meeting where the draft revised policy was also
8 reviewed.

9 Staff recommends the Energy Commission adopt the
10 proposed revisions to the Tribal Consultation Policy.

11 Thank you and I'm available for any questions.

12 CHAIRMAN WEISENMILLER: Thank you. Are there any
13 comments from anyone in the room? Anyone on the line.

14 (No audible response.)

15 Okay. Let's transition to the Commissioners.
16 Commissioner Douglas?

17 COMMISSIONER DOUGLAS: So just some brief
18 comments. I've worked closely with Mr. Gates and a number
19 of staff on the revisions to the consultation policy.

20 First off, the consultation policy has been very
21 helpful and very important for the Energy Commission and
22 our relationship with tribes and in carrying out the
23 Governor's Executive Order. It sets up a great framework
24 for consultation and it helps us really know what to do and
25 when to reach out and how to reach out and make those

1 connections at the right time.

2 These revisions as Tom noted, both respond to
3 changes in state guidelines and also reflects some of our
4 experience with implementing the consultation policy that's
5 in effect today. And it also reflects us thinking through
6 how to take the next step on this policy, which is to
7 really go beyond the excellent tribal consultation and
8 outreach that's been done within the Siting Division itself
9 and with a focus on cultural resources or real energy
10 planning. And help it bring it into other parts of the
11 Energy Commission where tribes also have an interest
12 whether that be certainly aspects of ethics, certainly
13 aspects of the Alternative and Renewable Fuels and
14 Transportation Program; likely in many areas energy
15 efficiency and renewables and so on.

16 We're really seeing a much greater engagement and
17 interest among some of the tribes that we've been working
18 with and talking to. So in some ways, some of the
19 revisions to this policy look to make the policy more user-
20 friendly in a broader range of context rather than assuming
21 that it is focused on, for example, review of a proposed
22 renewable energy project or a review of proposed project.
23 So we added a little flexibility in there to make it work.

24 And you know there's also been an interest that's
25 reflected in this policy in engaging other divisions at a

1 higher level in being part of the consultation process.
2 And I was wondering if Tom, you or Drew, would like to
3 briefly describe that so the Commissioners kind of know
4 what role their deputies will be playing in consultation.

5 MR. GATES: Specifically to how we will broaden
6 out to the other divisions. We anticipate quarterly
7 meetings. We have identified assistant tribal liaisons
8 within each division. So each Deputy Director could either
9 be that assistant or can delegate someone else amongst
10 their staff that might be in a unique position to also
11 understand the policy and interact with tribes.

12 We will then do these quarterly meetings where we
13 will continue to develop and implement the policy on some
14 of the other ideas like training, a tribal summit, energy
15 summit. And also through that quarterly meeting, but also
16 in addition as the need arises my office will be available
17 to assist in any specific consultations that might happen
18 between the tribe and another division.

19 So we had our first quarterly meeting a couple of
20 weeks ago. And we anticipate continuing that into the New
21 Year and following through with that to see how we can best
22 implement this policy.

23 COMMISSIONER DOUGLAS: Thank you.

24 So the last comment I'll make is that we actually
25 carried out the review of the proposal of changes to our

1 policy and the public meetings that we had in concert with
2 the California Public Utilities Commission, which is
3 putting in place its first tribal consultation policy.

4 So we had a really good process of exchanging
5 ideas and information with them, planning that process and
6 implementing and carrying out these two public meetings.
7 Well, not public meetings, these two meeting with tribes
8 plus a WebEx with tribes together. And that was a good
9 experience and good partnership. And Tom is in very close
10 touch with the folks at the CPUC, who've been designated to
11 be on point. So we'll be able to, I think, provide better
12 information and better response to tribal interests, with
13 that connection and the close working relationship with the
14 CPUC on this issue.

15 So with that, I'll move approval of this item

16 COMMISSIONER HOCHSCHILD: Second.

17 CHAIRMAN WEISENMILLER: All those in favor?

18 (Ayes.)

19 CHAIRMAN WEISENMILLER: This passes 4-0. Thank
20 you.

21 Let's go on to Item 4, City of Davis.

22 MS. NEUMANN: Good morning Chair Weisenmiller and
23 Commissioners. My name is Ingrid Neumann from the Building
24 Standards Office. I'm here to present Item 4 City of
25 Davis.

1 Local governmental agencies wishing to enforce
2 their locally-adopted energy standards are required to
3 apply to the Energy Commission for a finding that the local
4 energy standards will require buildings to be designed to
5 consume no more energy than permitted by the adopted
6 statewide energy standards found in Title 24 Part 6. This
7 finding can be made by the Commission once a complete
8 application has been received. The complete application is
9 posted for a 60-day comment period and the Executive
10 Director issues a written recommendation on the
11 application.

12 A complete application consists of the following:

13 1) The proposed energy standards 2) The local governmental
14 agency's findings and supporting analysis on the energy
15 savings and cost effectiveness of the proposed energy
16 standards. 3) A statement or finding by the local
17 government agency that the local energy standards will
18 require buildings to be designed to save energy when
19 compared to energy consumption levels permitted in Title
20 24, Part 6. 4) And four, any findings determinations,
21 declarations, or reports required pursuant to the
22 California Environmental Quality Act.

23 Staff has reviewed the City of Davis's
24 application and has found that the application was complete
25 as of October 11th, 2017 consisting of items 1 through 4

1 mentioned previously. No public comments have been
2 received by the Energy Commission during the 60-day comment
3 period, which ended on December 11th. Subsequently, the
4 Executive Director issued a written recommendation, in
5 which he recommended approval of this item.

6 On September 12th of this year, Davis's City
7 Council approved the adoption of Ordinance 2512, requiring
8 all new single-family residences to be 30 percent more
9 energy efficient and all new multi-family dwellings to be
10 25 percent more energy efficient than required by the 2016
11 Energy Standards.

12 These compliance margins correspond to meeting
13 CALGreen Tier 2 for energy efficiency. The City of Davis
14 will require that these targets be met by a combination of
15 additional energy efficiency measures, as well as
16 installation of solar photovoltaics where solar PV size is
17 determined by the amount which would offset 80 percent of
18 the total estimated building electricity use for a combined
19 fuel residence.

20 The approach is consistent with the methodology
21 included in the Energy Commission's proposed model solar PV
22 ordinance. The City of Davis's staff worked closely with
23 PG&E, Davis Energy Group and Misti Brucerri & Associates to
24 adopt the cost-effectiveness study that was submitted with
25 the City's complete application.

1 The City of Davis determined that the addition of
2 additional efficiency measures and a PV system, as
3 described in Ordinance 2512 provided a cost benefit ratio
4 of 1.23 for single- family residences and 1.40 for multi-
5 family buildings. The cost-effectiveness study was heard
6 and approved by the Davis City Council, on September 12th,
7 2017.

8 Staff found the application to be complete and
9 confirmed a reduction of energy consumption required by the
10 local ordinance. Staff therefore recommends the findings
11 be approved and the Energy Commission resolution to be
12 signed.

13 I am available to answer any questions you may
14 have, as is Greg Mahoney, Chief Building Official with the
15 City of Davis. Thank you.

16 CHAIRMAN WEISENMILLER: Thank you.

17 First, are there any comments from anyone in the
18 room? Any comments from anyone on the line? Unless the
19 Davis official wants -- do you want to say anything?
20 Please, come on up.

21 MR. MAHONEY: Good morning, Commissioners. My
22 name is Greg Mahoney. I'm the Assistant Director of
23 Community Development and Sustainability for the City of
24 Davis and I'm just submitting this Reach Code for your
25 approval.

1 I did want to thank Marshall Hunt in the Codes
2 and Standards group at PG&E and also the firms that worked
3 on the cost-effectiveness study, which were Davis Energy
4 Group, Misti Bruceri & Associates and EnerCom.

5 And we feel that it's consistent with the City
6 Council goals and also the California Energy Action Plan
7 policy directive to support Reach Code. So I'm happy to
8 answer any questions that you may have.

9 CHAIRMAN WEISENMILLER: Great. Thank you.

10 Commissioners, anybody, Commissioners?

11 COMMISSIONER MCALLISTER: Nobody else? Okay.

12 CHAIRMAN WEISENMILLER: Okay. Commissioner
13 McAllister, why don't I turn to you.

14 COMMISSIONER MCALLISTER: Yeah. So this is under
15 my purview since I oversee Title 24, Part 6. And I really
16 appreciate the City of Davis coming in.

17 And this is another of a growing line, not that
18 long yet, but a growing line of cities who've really done
19 amazing things. And I really appreciate Ingrid and your
20 team's and Christopher's team's support of all of the
21 vetting and just all the work that goes into getting these
22 approvals done, interacting with the City.

23 So I do have a disclosure that I want to make. I
24 don't have a conflict, but you all know that I'm about to
25 start a construction project. It's sort of my learning

1 laboratory here. And the demo happens next week of the
2 existing building that's on the property, but I do live in
3 Davis. I am going to be submitting a building application
4 to the City. We have not done that yet, so I don't
5 actually have anything pending in front of the City on this
6 front. But I did want everybody to know.

7 So I'm not going to recuse myself, but I just
8 wanted to make it clear. And in fact I'll be subject -- if
9 we're approved I'll be subject to this. And I'm actually
10 pretty excited about that, because we need to walk the
11 walk. And I think the City of Davis has a reputation and I
12 think it's earned that as being pretty much by the book in
13 terms of enforcing the code. And so that's a good thing
14 that we need to support.

15 At the same time, we look at how to streamline
16 the code, how to make it easier, more understandable for
17 people including contractors and lay people and everyone
18 involved, so that it does permeate the economy. And not
19 just for new construction, but also for retrofit
20 applications, because that's really kind of our bugaboo at
21 this point is making sure that people know what code
22 applies to HVAC replacements and all that kind of stuff.

23 So I'm certainly supportive of this item. I'm
24 thinking I'm going to learn some lessons that bring me back
25 to the 2022 Code and we'll be able to do even better. But

1 we've all got to be subject to the same -- you know we live
2 in a state and presumably a nation of laws, and so we want
3 to make sure what we're doing fits the bill.

4 So with that, I'll end it. And well,
5 Commissioner Douglas wants to make a comment. Okay.

6 COMMISSIONER DOUGLAS: Yeah, I just wanted to
7 briefly say I live in Davis too and definitely support the
8 City's leadership on this item. So if you want to make a
9 motion, go ahead.

10 COMMISSIONER MCALLISTER: So I'll move this item.

11 COMMISSIONER DOUGLAS: Second.

12 CHAIRMAN WEISENMILLER: All those in favor?

13 (Ayes.)

14 CHAIRMAN WEISENMILLER: 4-0. Thanks.

15 Let's go on to Item 5 City of Clovis.

16 MS. CAHSSAI: Good morning, Commissioners. My
17 name is Hally Cahssai and I'm with the Efficiency Division.

18 The City of Clovis is seeking a 1.8 million ECCA
19 loan to retrofit over 3,500 interior and exterior lighting
20 fixtures with LED technology, in 10 city-owned properties.
21 The total cost for this project is estimated to be 1.88
22 million, of which 48,000 will be funded using the
23 anticipated rebate incentives from the utility company.
24 And the remainder with the ECCA loan at 1 percent.

25 Upon completion, this project will save

1 approximately 695 megawatt hours of electricity annually
2 and reduce the City's utility expenses by an estimated
3 \$128,000 annually. If the Commission approves this loan,
4 the project will start in the spring of 2018. The simple
5 payback for this project is 14.3 years, based on the loan
6 amount.

7 Staff has determined that this loan request
8 complies with all the program requirements. I'm here today
9 to seek your approval. Thank you.

10 CHAIRMAN WEISENMILLER: Thank you.

11 First, any public comment from anyone in the
12 room? How about on the line?

13 (No audible response.)

14 CHAIRMAN WEISENMILLER: Okay. So let's
15 transition to the Commissioners. Commissioner McAllister?

16 COMMISSIONER MCALLISTER: No.

17 COMMISSIONER HOCHSCHILD: I would move the item.

18 COMMISSIONER DOUGLAS: Second

19 CHAIRMAN WEISENMILLER: All those in favor?

20 (Ayes.)

21 CHAIRMAN WEISENMILLER: This item passes 4-0.

22 Thank you.

23 MS. CAHSSAI: Thank you.

24 CHAIRMAN WEISENMILLER: Let's go on to Item 6,
25 Innovative Mobility Demonstrations with Zero Emission

1 Vehicles.

2 MR. RANSOM: Good morning, Commissioners. My
3 name is Shaun Ransom, staff with the Fuels and
4 Transportation Division's Zero Emission Vehicle and
5 Infrastructure Office. I am here today to present four
6 agreements for possible approval. The proposed agreements
7 were awarded under the Innovative Mobility Service
8 Demonstrations with Zero Emission Vehicles.

9 The goals of the solicitation were to demonstrate
10 the use of zero emission vehicles in innovative mobility
11 services such as car-sharing and ride-hailing, and provide
12 an increased awareness of clean vehicle technologies. Four
13 agreements are presented to demonstrate innovative mobility
14 options in the Bay Area, Sacramento and North San Joaquin
15 Valley, Fresno, and Riverside and Ontario. The proposed
16 agreements are as follows:

17 A Proposed resolution approving StratosFuel for a
18 \$684,000 grant to develop a fuel cell electric car-sharing
19 platform. This project was recommended for funding to
20 demonstrate innovative electric mobility services in
21 Riverside and Ontario. This project will also utilize the
22 hydrogen refueling network in the area and benefit the
23 surrounding communities. StratosFuel will deploy 15 Toyota
24 Mirais for a 1 year demonstration.

25 The second project, a proposed resolution

1 approving CALSTART for a \$750,000 grant. This project will
2 develop and demonstrate a ride-hailing transportation
3 option for community college students who are attending
4 Fresno City College. The route will travel through Kerman
5 and Fresno and will provide ride services to rural areas
6 west of Fresno using battery electric vehicles. CALSTART
7 will deploy 6 Chevy Volts for a 1 year demonstration.

8 The third project is a proposed resolution
9 approving Envoy Technologies for about a \$749,000 grant to
10 demonstrate an innovative car-sharing program in the
11 Sacramento Metro and North San Joaquin areas. The project
12 will provide electric vehicles in affordable multi-unit
13 housing developments and familiarize drivers with battery
14 electric vehicles. Envoy will deploy 30 Volkswagen E-golfs
15 and install 15 Level 2 chargers during the 1 year
16 demonstration.

17 And the fourth project is a proposed resolution
18 approving Envoy Technologies for about a \$749,000 grant to
19 demonstrate an innovative car-sharing program in the Bay
20 Area. The project will also provide electric vehicles to
21 residents in affordable multi-unit housing developments and
22 familiarize drivers with battery electric vehicles. Envoy
23 will deploy 30 Volkswagen E-golfs and install 15 Level 2
24 chargers during the 1 year demonstration.

25 If approved, the Energy Commission will provide

1 \$2.93 million in Alternative and Renewable Fuel and Vehicle
2 Technology Program funds.

3 Staff is requesting the Commissioner support and
4 approval of these proposed projects. I'm happy to answer
5 any questions you may have. Thank you

6 CHAIRMAN WEISENMILLER: Thank you.

7 First, are there any comments from anyone in the
8 room? Then let's go on the line? And so I was going to
9 say I think we have the -- I think all three of the groups
10 are on the line. I assume maybe just for questions, so but
11 certainly if anyone wants to speak up go ahead.

12 MR. PALACIOS-AVILA: Hello, this is Jonathan with
13 StratosFuel.

14 CHAIRMAN WEISENMILLER: Hi.

15 MR. PALACIOS-AVILA: Hi. How's it going?

16 Yes, I have a comment regarding the innovative
17 mobility demonstration with zero emission vehicles. Again,
18 my name is Jonathan. I'm with StratosFuel. We are very
19 excited to be recommended for funding. It's an honor for
20 the CEC to do so. And part of our whole scope of work
21 we're looking to accomplish this is to further the Energy
22 Commission's publicly funded hydrogen stations through use
23 of fuel cell electric vehicles and to do so by introducing
24 these vehicles to disadvantaged communities.

25 And we think it's a great opportunity to do that

1 and the further the state's goal of reducing greenhouse gas
2 emissions. And especially in impacted areas that have high
3 levels of greenhouse gas emissions such as Riverside and
4 San Bernardino County. Thank you.

5 CHAIRMAN WEISENMILLER: Thank you.

6 All right, yeah so if you want to say anything go
7 ahead, otherwise we'll move on to the third speaker. Okay.
8 Yeah, let's do it.

9 (Off mic colloquy.)

10 CHAIRMAN WEISENMILLER: Okay. Mr. Oldham, if you
11 want to say something okay. If you want to just hang on
12 for questions that's also good.

13 MR. OLDHAM: Hello?

14 CHAIRMAN WEISENMILLER: Hello, go ahead.

15 MR. OLDHAM: Yes, this is Joseph Oldham with the
16 CALSTART Clean transportation Center. And I would just
17 like to thank the Commission for recommending the approval
18 of our project in Fresno County. We're very excited about
19 this project to use all battery electric Chevy Volts to
20 demonstrate to high school students, or actually college
21 students, opportunities for our car sharing and ride
22 mobility from the rural communities, which have basically
23 been kind of out of the mainstream in terms of looking at
24 electric propulsion system vehicles. So we're really
25 excited about this project.

1 And I'm available to answer any questions that
2 the Commission may have.

3 COMMISSIONER HOCHSCHILD: Yeah. This is
4 Commissioner Hochschild. I have a question for you. I
5 know one of the barriers for ride sharing with electric
6 vehicles has been the charge time. And Electrify America,
7 the VW settlement money is doing 5,000 chargers in the next
8 20 months with a really, really new fast charger. I think
9 it's a 20 miles per minute of charge. And I'm just
10 curious, the chargers you intend to use for these vehicles,
11 if you could share a little bit about the charge time. Are
12 they Level 2 or Level 3 or something different?

13 MR. OLDHAM: They're Level 2. They're 75 amp
14 Level 2's, so they're 18 kilowatt chargers. So they can
15 charge the Volts fairly quickly. The Volt though has about
16 well conservatively 240 miles of range. And so the
17 distances that these vehicles will travel, we believe will
18 be well within their range capacity without having to do a
19 mid-day charging. But Fresno City College is installing
20 Level 2 chargers and as these vehicles have layover time at
21 City College they will be able to use those chargers, as
22 well as the chargers that are located at Fresno County EOC,
23 which will be the basis for the operations of the vehicles.

24 COMMISSIONER HOCHSCHILD: Thank you.

25 MR. OLDHAM: Thank you.

1 CHAIRMAN WEISENMILLER: Thanks. So we'll
2 transition to Commissioners. Commissioner Scott asked me
3 to read a statement on this item also. So let me do that.

4 "We are really changing the way people move with
5 growing trends in car-sharing and ride-hailing services.
6 It is important that as we make these transitions we do it
7 in a smart way, integrating zero and near zero emission
8 vehicles where we can.

9 "The projects being proposed today meet multiple
10 objectives of the Alternative Renewable Fuel and Vehicle
11 Technology Program. They are demonstrating zero emission
12 technologies, including both battery electric and fuel cell
13 electric in innovative applications, providing clean
14 transportation options, as well as education and exposure
15 opportunities to many California residents who may not
16 otherwise have access to these vehicles, helping to address
17 the state's climate goals and clean air standards and
18 providing good representation to geographical diversity,
19 touching on multiple regions throughout the state.

20 "I think the staff did a great job developing
21 this solicitation and the potential projects are a
22 reflection of that. I am excited about the potential of
23 these projects and would like to support moving them
24 forward."

25 COMMISSIONER DOUGLAS: Well, just as a comment

1 maybe building on that. I agree ride sharing is really
2 changing the transportation sector and we need to be in
3 that with alternative fuels and vehicles as well to help --
4 it's a great opportunity as well to build exposure to these
5 vehicles among a larger group of the population than would
6 be necessarily ready to jump up and lease or buy one of
7 them. So I see a lot of opportunity here.

8 CHAIRMAN WEISENMILLER: Yeah, there are a number
9 of cities in China which are transitioning all their taxis
10 to zero emissions. Shenzhen, as you know, and sort of
11 Beijing is moving in that direction. So I think in the
12 California context it's probably more moving ride-sharing
13 than taxi services at this point. But again, buses too
14 obviously.

15 COMMISSIONER DOUGLAS: I'll --

16 COMMISSIONER HOCHSCHILD: One final observation,
17 I think the ride-hailing approach, getting EVs into those
18 fleets is actually a really strategic move. It's one of
19 the challenges we funded. A lot of people in California
20 have never been in an EV and unless you are friends with an
21 early adaptor you wouldn't.

22 And I think you look at how transportation is
23 changing; the ride-hailing is taking off like a rocket.
24 And I think it's a great way to just expose the public to
25 EVs. And the way it works people get in, they try it, they

1 like it. And I think this is a great way to get a lot more
2 people in to the vehicles that wouldn't otherwise get in,
3 so I certainly approve the approach.

4 I would, unless there's further comments, I'd
5 move the item.

6 COMMISSIONER MCALLISTER: Second.

7 CHAIRMAN WEISENMILLER: All those in favor?

8 (Ayes.)

9 CHAIRMAN WEISENMILLER: It passes 4-0. Thank
10 you.

11 Let's go on to Item 7 Global Algae Innovations,
12 Inc.

13 MS. MAGANA: Good Morning Chair Weisenmiller and
14 Commissioners. I'm Pilar Magaña with the Research and
15 Development Division and am presenting the following two
16 items for approval. Both of these items are funded through
17 general funding for climate change research, development
18 and demonstration for California's transportation sector.

19 The following projects were selected for funding
20 through a one-time directive under either an EPIC or a
21 natural gas research funding. The one-time expenditure
22 authority for \$15 million was to support research to reduce
23 petroleum use, drive greenhouse gas reductions and improve
24 air quality from California's transportation sector.

25 The proposed projects under this program are

1 designed to inform near-term adoption and implementation of
2 low carbon fuels to address critical research needs not
3 addressed in current research programs.

4 While other programs such as the Alternative and
5 Renewable Fuels and Vehicle Technology Program have focused
6 on upgrading of biofuels there is a need to focus on the
7 conversion processes of waste feedstocks to an intermediate
8 fuel using advanced technologies that can be upgraded using
9 existing infrastructure such as refineries.

10 The first project is with Global Algae
11 Innovations and was selected through a federal cost share
12 solicitation. The purpose of this solicitation was to
13 provide funding to applicants that were successful in
14 receiving federal funding, specifically for projects that
15 focused on low carbon fuel research and development.

16 The project secured funding through a Federal DOE
17 opportunity for \$1.2 million that focused on project
18 development for pilot scale manufacturing of biofuels,
19 bioproducts and biopower. The purpose of this project is
20 to design a pilot-scale algae fuel production facility for
21 the production of bio-oil.

22 Through this agreement Global Algae Innovations
23 will work with UC San Diego to design and complete the
24 front-end loaded preliminary planning of this facility.
25 Additional efforts include the site evaluation and

1 selection, lifecycle analysis, techno-economic analysis,
2 and business plan development for the facility.

3 This work will build off of existing validation
4 work previously completed that sought to improve the
5 economics of algae production at a larger scale. And this
6 work will focus on the design of a California-specific
7 facility with plans to eventually build the pilot facility
8 in either Riverside County or Imperial Valley.

9 Furthermore, Global Algae Innovations will
10 conduct research to expand the library of local algae
11 strains available for use in a future pilot plant. And
12 research will be conducted at UC San Diego's Cal-CAB algae
13 research center and biological fuel station.

14 In addition to the \$1.2 million in federal
15 funding received, Global Algae Innovations will be
16 providing an additional 600,000 in match funding.

17 I'd be happy to answer any questions.

18 CHAIRMAN WEISENMILLER: Thank you.

19 Any comments from anyone in the room, anyone on
20 the line?

21 (No audible response.)

22 CHAIRMAN WEISENMILLER: So we'll transition to
23 Commissioners. I'm the Lead on Research and Development,
24 so I'll say a few words on this.

25 As you know our program has actually has very

1 limited scope on transportation fuels. And this, I think
2 the next one are sort of unique programs where we got some
3 funds to basically do some research to really support the
4 low carbon fuel standards. We also have gotten some other
5 money that's dealing with more with some of the adaptation
6 question for our petroleum infra structure. So again, we
7 got a little bit of money. I think we were surprised about
8 how many actual projects were there, which could have --
9 where we could be matching federal funds. And this is
10 certainly one of them. It's certainly an interesting
11 application and great people to support it.

12 COMMISSIONER DOUGLAS: Well, I think it's a
13 really exciting application. I would be -- and I hope it's
14 an extremely successful project. We certainly need this
15 kind of application, so I'm in strong support. I'll move
16 approval.

17 COMMISSIONER HOCHSCHILD: Second.

18 CHAIRMAN WEISENMILLER: All those in favor?

19 (Ayes.)

20 CHAIRMAN WEISENMILLER: So this passes 4-0.

21 Thank you.

22 Let's go on to Item 8 Research and Demonstrations
23 to Decarbonize Transportation Fuel.

24 MS. MAGANA: Okay. This next item is a project
25 with Lawrence Livermore National Lab and was selected under

1 a low carbon fuels research and demonstration solicitation.

2 The purpose of this solicitation was to support
3 the pilot-scale demonstration of thermochemical conversion
4 systems for the production of bio-oil that can be upgraded
5 to low carbon drop-in renewable diesel. The intent was to
6 fund advanced systems that can utilize California-based
7 feedstocks resulting in an intermediate fuel product that
8 when upgraded is fungible with existing infrastructure and
9 vehicle technologies.

10 The purpose of this project is to demonstrate a
11 technology called auto-thermal process intensified
12 pyrolysis for the production of bio-oil. This pyrolysis
13 technology under this agreement has many advantages over
14 conventional pyrolysis systems.

15 The proposed technology developed by Iowa State
16 University simplifies the design of the pyrolysis reactor
17 eliminating a number of the components typically included
18 in a pyrolysis system, thereby reducing both the capital
19 and operating costs. This system design will also allow
20 for the construction of smaller modular systems that can be
21 distributed and scaled to be suitable for a variety of
22 facilities using a variety of feedstocks.

23 Successful testing has already been conducted
24 using this system at the lab scale and this project will
25 scale up to a pilot plant.

1 While this technology has been tested using
2 agricultural waste, it shows great promise to address the
3 excessive amount of woody biomass available in California.

4 Lawrence Livermore National Lab will also be
5 conducting extensive testing on the quality of the bio-oil
6 being produced and developing a commercialization pathway
7 for the bio-oil to ensure the compatibility with existing
8 infrastructure for upgrading.

9 ARB has also shown interest in working with
10 Lawrence Livermore National Lab to develop an LCFS pathway
11 for this project. And the demonstration site for this
12 project is at Sierra Pacific Industries' sawmill in Camino,
13 California. And approximately \$1.4 million will be
14 provided in match funding.

15 Thank you for your consideration. If you have
16 any questions I'd be happy to answer them.

17 CHAIRMAN WEISENMILLER: Thank you.

18 Any comments from anyone in the room, anyone on
19 the line?

20 (No audible response.)

21 CHAIRMAN WEISENMILLER: So transition to
22 Commissioners again. Again as Lead Commissioner I'll say a
23 few words on it.

24 I think everyone knows we have an incredible
25 problem with our dead trees and trying to find

1 applications. We're doing some research projects. This is
2 a good example of one to try to convert the woody biomass
3 to something useful on the energy side. And these are
4 fairly difficult to pull off, but so we're certainly trying
5 different technologies and this is one of those. So we
6 certainly encourage people to support it.

7 COMMISSIONER DOUGLAS: I strongly agree on that
8 point.

9 Commissioner McAllister, you have a comment?

10 COMMISSIONER MCALLISTER: A little on the field,
11 but it's kind of interesting. And so Sierra Pacific is
12 obviously a big integrated, global company really, but
13 based in California and uses lots of wood in California.
14 But they actually have a lot of businesses that are
15 relevant for this Commission including being one of the
16 most prominent window manufacturers in the country. And
17 so their supply chain is they harvest the wood from their
18 forests and they make really beautiful wood-framed windows
19 and control the whole supply chain and really make
20 beautiful products that are relatively affordable for
21 people to do efficient buildings.

22 So anyway, just it's nice to see them sort of
23 really taking advantage of that supply chain and exploring
24 these kinds of opportunities.

25 CHAIRMAN WEISENMILLER: Well, they certainly on

1 the biomass side have had probably the only cost effective
2 projects the PUC has seen, so far.

3 COMMISSIONER MCALLISTER: Yeah, so really a
4 leader in a lot of different fields. So I'll move this
5 item.

6 COMMISSIONER DOUGLAS: Second.

7 CHAIRMAN WEISENMILLER: All those favor?

8 (Ayes.)

9 CHAIRMAN WEISENMILLER: This passes 4-0 again.
10 Thanks.

11 Let's go on to Item 9, the Discussion of Energy
12 Commission Progress Re: Implementation of Clean Energy and
13 Pollution Reduction Act of 2015. Michael?

14 MR. SOKOL: All right. Good morning,
15 Commissioners. So I just have a very brief update on the
16 SB 350 front today. In addition to the adoption of the
17 advisory group charter that you heard just earlier this
18 meeting, there were two other updates I wanted to provide
19 to you.

20 The first is regarding the integrated resource
21 planning greenhouse gas emission reduction targets for
22 utilities. SB 350 requires the California Air Resources
23 Board to adopt individual targets for planning purposes in
24 integrated resource plans. But as part of that is it's in
25 coordination with the Energy Commission and the Public

1 Utilities Commission. And so we had a couple of workshops
2 earlier this year with those other agencies. Staff has
3 been working to develop the methodology that we would
4 recommend to the Air Resources Board for getting to
5 publicly owned utility-specific targets.

6 And we are working currently to finalize a memo
7 with the intent of putting that on our docket as interim
8 guidance for what our recommendation would look like to the
9 Air Resource Board. And so the intent is to get that memo
10 on our docket at the end of this year. And then support
11 Air Resources Board in the formal process, as it moves
12 forward next year.

13 The second item is related to the SB 350 Low-
14 Income Barrier Study implementation. And this is on the
15 development of an Energy Equity Indicators Tracking
16 Progress Report. And staff has been working for the better
17 part of this year on developing a range of indicators that
18 can be used to track the performance of clean energy
19 programs in low-income disadvantaged communities with the
20 intent of putting out a tracking progress report. Likely
21 early next month, is the target at this point and so you'll
22 hear more about the specifics of some of those indicators
23 at a future meeting.

24 And of course, we'll be happy to offer briefings
25 as needed, but wanted to let you know that we're in the

1 final stages of coming up with a draft tracking progress
2 there that we'll be unveiling shortly here.

3 So happy to take any questions or any comments
4 from Commissioners.

5 COMMISSIONER MCALLISTER: No, just on the
6 tracking progress or on the metrics for the low-income I
7 think that's just usually important. I think we all agree
8 and Commissioner Scott's not here today, so I'm sure she
9 would have comments on that. But those metrics I think are
10 to see change at the Commission and broadly in government,
11 but certainly here is that we're trying be more informed
12 and more accountable and use metrics that we can actually
13 go measure out there and be accountable too. So I think
14 that's really a positive. I think staff's doing a great
15 job on that. It's a tough job actually and I think we're
16 making good progress. So thanks.

17 COMMISSIONER HOCHSCHILD: Mike, I just wanted to
18 thank you. You've been -- this has been a long process
19 with a lot of moving parts and you've been really attentive
20 to all the details. And we really, really appreciate it.
21 With that I would move the item, unless there's other --
22 did we not use -- is this informational. Do we need to
23 approve anything on the subject?

24 CHAIRMAN WEISENMILLER: No. It's just a report,
25 so okay.

1 COMMISSIONER HOCHSCHILD: Okay.

2 CHAIRMAN WEISENMILLER: Yeah, I was just going to
3 note on the metrics this will be the first time, so there
4 are certainly data gaps, which we can fill over time. But
5 the notion is not to get hung up on shooting for perfection
6 at which point we'd never get this one done, as opposed to
7 taking a step-by-step approach.

8 So again thanks, Mike.

9 Let's go on to minutes.

10 COMMISSIONER DOUGLAS: Move approval.

11 COMMISSIONER HOCHSCHILD: Second it.

12 CHAIRMAN WEISENMILLER: All those in favor?

13 (Ayes.)

14 CHAIRMAN WEISENMILLER: The minutes are approved
15 4-0.

16 WEISENMILLER: Lead Commissioner or Presiding
17 Member Reports, so I'm going to lead with Commissioner
18 Scott's comments. And then I'll speak at the end too on my
19 own, but just so we're clear this is Commissioner Scott.
20 And she wants to recognize exceptional staff at our end-of-
21 year Business Meeting.

22 "And so although I am unable to be here in person
23 today I'd like to share my sincere appreciation for staff
24 and the great work, dedication, and commitment they have
25 demonstrated throughout the year.

1 "The successes we experience here at the Energy
2 Commission are built on the efforts of our staff and 2017
3 has been a year for making progress, particularly for those
4 of us working in the transportation space.

5 "If you would be so kind to indulge me, I may
6 highlight some of the Energy Commission's 2017
7 transportation accomplishments briefly at the January
8 Business Meeting. And I will include a few brief FTD thank
9 yous at that time."

10 I think obviously we'll accommodate her on that.

11 "Until then, my heartfelt thanks to the FTD team
12 and the work they carry out each day. They are
13 transforming transportation in California due in no small
14 part to their laudable work.

15 "As Lead Commissioner on the implementation of
16 the recommendations in the SB 350 Barrier Study I can't
17 thank Michael Sokol enough for his continued leadership as
18 well as a special coordination on all things SB 350-
19 related. I also want to thank Alana Mathews, Jana Romero,
20 and Galen Lemei.

21 "This is my first year of serving as the Chair of
22 the Western Interstate Regional Advisory Board and I would
23 like to thank Grace Anderson, Al Alvarado, Justin Cochran,
24 Chris McLean, and the team for their continued support.

25 "I want to thank Drew Bohan, Siva Gunda, Matt

1 Coldwell and Siva's team for developing a robust draft
2 Transportation Energy Demand Forecast." I was going to say
3 amen to that.

4 "Melissa Jones-Ferguson and Vince Vicari from our
5 Media team have worked in close coordination with me and my
6 team ensuring that we are up to speed and fully engaged on
7 media opportunities.

8 "Barry Steinhart, Sarah Smith, Jose Torres from
9 OGA have always provided great legislative support. Thanks
10 to all of you for your great work this year.

11 "I would like to acknowledge former Executive
12 Director Rob Oglesby who retired in September and our new
13 Executive Director, Drew Bohan, for being able to seemly
14 step into his new role as well as Kourtney Vaccaro for the
15 thoughtful leadership they display and the high standard
16 they set for the Commission each and every day.

17 "It goes without saying that without my wonderful
18 team, Rhetta, Matta and Monica this job would be much
19 harder. They help keep me organized and increase the
20 bandwidth of my office and overall do an amazing job. And
21 they're a lot of fun too. I couldn't ask for a better set
22 of people to work with.

23 "And finally, to my fellow Commissioners I
24 continue to appreciate the experience and expertise you
25 bring to the Commission. It's been a true joy working with

1 you. Thank you to everyone at the Commission who helped
2 make 2017 such a productive and inspiring year."

3 So with that, Commissioner McAllister?

4 COMMISSIONER MCALLISTER: So well, I'm not going
5 to read my whole huge list of people to thank today, but
6 maybe we can all do that in January. I don't know, after
7 our New Year's celebration. In some ways I'm really glad
8 to get 2017 behind me, but I'm going to go down a few
9 things that I did between the last meeting and now, just
10 the notable couple of things.

11 But first I just want to leave at a high level
12 thanking everyone in the Efficiency Division for their
13 amazing work. I mean, every business meeting you all know
14 we just have just a marching forward of many different
15 fronts on the efficiency side of things where we have big
16 goals. And I think in the 350 scheme of things it might be
17 the kind of most complex and arguably the most difficult
18 piece of 350 to double efficiency. And it has a lot of
19 different fronts and a lot of stakeholders and a lot of
20 complexity.

21 And our staff is just amazing keeping dozens and
22 dozens of plates spinning and keeping my office
23 information. Certainly Brian Early, Martha Brook, my
24 advisers this year have been just phenomenal. And I
25 certainly want to reiterate certainly Drew and Kourtney.

1 You guys, Drew, welcome again, I'll say you really hit the
2 ground running, sprinting really. And Kourtney as well,
3 just the sage kind of counsel from both of you actually to
4 help really kind of keep the right barriers up and keep us
5 moving in the right direction.

6 And then just in challenges that I've faced this
7 year I really appreciate my colleagues up and down the
8 Commission. I mean, from really everyone here in the
9 building, but most directly my fellow Commissioners for all
10 their support this year. It hasn't been an easy year for
11 me in some pretty central ways.

12 I guess I'll just make a couple of highlights of
13 things you might find interesting since the last business
14 meeting. I was able to spend a week in Australia and it
15 was covered by -- the invite came from and was covered by
16 the Australian Energy Efficiency Council, another big
17 conference there, Australia-wide conference on energy
18 efficiency. And there's a particular opening this year for
19 the efficiency discussion there.

20 And there are a lot of parallels. You know,
21 Australia and the U.S. have a lot in common. There are a
22 lot of big differences, a number of big differences. They
23 still have a -- well and certainly differences with
24 California. Australia has a heavily coal-based energy
25 system, and I think the most carbon intensive generation

1 fleet in the world or pretty close to it. And are having a
2 conversation about how to get beyond their large coal
3 plants that are at the end of their life and so efficiency
4 has got to be a key strategy for them. And so people were
5 very open to that message, so it was very -- they certainly
6 got the most out of me in terms of the media and utilizing
7 the time I was there for best effect. And so now it looks
8 like we're going to get a nice delegation of Australians in
9 for the Climate Summit next September. So that will I
10 think be helpful.

11 Let's see, yesterday I participated in a rates
12 workshop over at the PUC and really with the goal of kind
13 of coordinating and just kind of helping highlight the fact
14 that we are very interested in the rates discussion as well
15 and making sure that that's sort of present at our sister
16 agency. So I was happy to see that happen, not exactly
17 clear what the next steps are to getting to more dynamic
18 rates. But it's at least a pretty robust conversation
19 that's happening over there, which is good.

20 On the first LBL had an event, sort of really a
21 science event symposium in memory of Art Rosenfeld, which
22 was really a beautiful thing. It has Steve Chu gave a
23 talk. John Holdren came out to give the final wrap-up
24 keynote. John Holdren, really the de facto leader of the
25 science resistance at this point and just an amazing human

1 being in person, but visionary leader and just very
2 inspiring as he always was when he was out here at Berkeley
3 and continues to be now that he's on the other coast. It
4 must be, at some point, kind of heart-wrenching for him to
5 see a lot of the work that he did with the Obama
6 Administration come undone or disrespected really. But he
7 has a big heart and he's working to make the best of the
8 situation in doing his part. Amory Lovins was there, Arun
9 Majumdar, so really it was a kind of a who's who of the
10 science and energy field and it was just a very inspiring
11 day.

12 We gave a talk down at the ZNE Schools Awards
13 down in Pasadena a couple of weeks ago and that was really
14 inspiring too. A lot of schools are doing Zero Net Energy
15 and there's just much innovation going on and learning.
16 And beautiful leadership by school administrations and
17 taking advantage of the Prop 39 money and kicking in some
18 of the utility ratepayer portfolio funds and just figure
19 out ways to get it done, so very inspiring.

20 And let's see, I guess I did want to highlight a
21 couple of other things. You may or may not know that the
22 FHA -- speaking of reversing previous administration's
23 policies' the FHA has gone back on the PACE Policy, which
24 they've now decided not to buy mortgages that have PACE
25 liens on them. So that's a setback federally, but again

1 there's kind of a California resistance on some of that.
2 We'll see how it pans out, but we dealt with that issue.
3 The state was hopeful that that message would get to
4 Washington, but it didn't seem to, so a very negative
5 message from HUD on that front.

6 And finally, we've been having a lot of
7 conversations about the fire recovery. You know, many,
8 many people reaching out saying how do we turn this tragedy
9 into an opportunity. And I guess having been through this
10 in San Diego a decade or so ago, and having come up with
11 programs and run programs to help people rebuild green down
12 after the '05, '06 fires in San Diego I'm certainly
13 encouraging those efforts.

14 But I'm also kind of giving people a little bit
15 of a reality check in terms of just the challenges that
16 people who've been burned out face are just multiple. And
17 most of them don't have to do with rebuilding energy
18 efficiently. They have to do with getting their kids back
19 in school and figuring out where they're going to live and
20 all of those near-term things. Dealing with insurance and
21 whether they're even going to move back to the same place.

22 But so those decisions will get made and those
23 rebuilding projects will happen. And so there's, I guess
24 our call should be to help facilitate to help encourage
25 those discussions, to work with the local governments and

1 the building authorities there in each place. To put in
2 place strategies, so that when they do get increasing
3 applications for rebuilding they can effectively marshal
4 the resources to help people rebuild in the best way they
5 can not only to comply with code, but to go beyond code.
6 And so a lot of really good will in that conversation, a
7 lot of people working on it and contributing pro bono
8 effort to help it happen. The local government's really
9 interested in it, so now that we've got big, big
10 communities that have been affected by fires in Northern
11 California and Southern California I think we ought to be
12 thinking about a statewide conversation. So hopefully we
13 can keep engaged on that and help marshal something that
14 comes out strategically appropriate.

15 So that's it for now.

16 COMMISSIONER DOUGLAS: All right. Thank you.
17 I've got a brief report on the last couple of weeks and
18 then a number of thank yous as well.

19 On the offshore wind issue we've had a number of
20 conversations and one high-level meeting with Department of
21 Defense, Department of Interior, and the services that
22 provided assessments on offshore wind and the conflicts
23 along the Central Coast with military operations. We had a
24 really good discussion about just to better understand what
25 some of the issues are. That will be part of a series of

1 discussions going forward.

2 I had the opportunity to speak at Western
3 Regional Partnerships in Arizona. It was a really nice
4 event, well-attended, a lot of both federal officials and
5 also state energy officials. And my panel was Energy
6 Policy Changes and the Implications of Those Changes for
7 Western States. And so, of course, from the Department of
8 Energy there was very much a perspective along the lines of
9 the rulemaking proposed by Department of Energy that would
10 support baseloads such as coal facilities, nuclear
11 facilities.

12 And I was there to provide much more of a
13 California perspective, which is not just prospective
14 policy, but also here's what we've done. Here's what we've
15 changed in our electricity system. These are our needs.
16 This is the direction we're going and we're really going in
17 a direction where for a whole host of reasons some policy-
18 driven and some market-driven, those same resources are
19 really both priced out of our market. And also not what's
20 needed, we need flexibility. We need more -- lower zero
21 GHG resources and we have various means by which to fill
22 those needs. And there are many opportunities for us to
23 work collaboratively with other western states in the
24 Western Regional Partnership region to help meet those
25 needs. So it was really, I think beneficial that I was

1 able to be at that event.

2 I also, for the very first time and maybe the
3 Chair will tell me if it was the first time ever for an
4 Energy Commission, had the opportunity to speak at the
5 Society of Naval Architects and Marine Engineers, SNAME, in
6 the Bay Area. It was a new one for me to be --

7 UNIDENTIFIED SPEAKER: (Indiscernible)

8 COMMISSIONER DOUGLAS: Yes, the SNAME.

9 UNIDENTIFIED SPEAKER: SNAME?

10 COMMISSIONER DOUGLAS: Yes, the SNAME, the
11 Society of Naval Architects and Marine Engineers. It was a
12 very technical heavy room made up of people who are marine
13 architects and naval -- naval architects and marine
14 engineers. They design and build ships and structures that
15 go in the ocean. And obviously, it was the offshore wind
16 interest that led them to invite me to be there. And it
17 was fun and fascinating conversation and a nice group of
18 folks many of whom actually came out of various programs at
19 Berkeley and knew each other from the Berkeley Engineering
20 Department at UC Berkeley.

21 So going to some of my thank yous I really like
22 to take a moment in December and recognize the hard work
23 and collective effort that it take us as an organization to
24 get our work done. You know, Commissioners try to guide
25 and we try to -- you know, we set policy and we work with

1 staff, but really the hard work gets done by folks in this
2 building at all levels from developing policy and carrying
3 out workshops and making sure things get posted on time.
4 And making sure that we're looking at legal and policy and
5 stakeholder and just checking all the boxes we need to
6 check and doing a really good job on that.

7 And so in my world as the Lead Commissioner for
8 Siting I've been on every active siting case or amendment
9 committee in 2017, largely with Commissioner Scott who has
10 been a wonderful partner on these cases. Also with
11 Commissioner McAllister who has also been a wonderful
12 partner on these cases. And I continue to be involved
13 compliance and some enforcement and legal matters as
14 needed.

15 As the attorney Commissioner I try to spend some
16 little extra attention on the Legal Office and work with
17 the Chief Counsel to help make sure that the Legal Office
18 has the support it needs. Thanks to Drew Bohan for
19 stepping in and his energy and dedication, I think are
20 going to be -- and new ideas and carrying forward some
21 existing policies that have been really good. And I think
22 I'm really excited to have you here.

23 So I want to give a big thank you to staff in the
24 Siting Division. This year we've worked on about eight. A
25 lot of these have been really major critical

1 infrastructure. They've been complex and hard cases. They
2 include some of the projects needed, for example at
3 Huntington Beach and Alamitos to meet our one-through
4 cooling deadlines and help maintain reliability in Southern
5 California. It was really, really important that we get
6 the job done of reviewing and moving through the process on
7 those projects. They're both, Huntington Beach and
8 Alamitos, under construction as we speak. And I had a
9 chance to go to kind of a dedication that AES put together
10 for Huntington Beach just yesterday. And I got a nice --
11 well maybe two days ago this week.

12 In any case, it takes about 30 staff to move
13 through an end review of an application. It includes
14 project managers, engineers, biologists, archeologists,
15 attorneys, project assistants and more. They work really
16 hard to get these projects through the process, but the
17 Siting Division does a lot more. They have really improved
18 the way they handle in processing time on amendments.
19 They're thinking really hard about how to make compliance
20 documents more accessible, more transparent. And they're
21 working hard to do more site visits of projects and just
22 help project owners and help make sure projects are being
23 operated in compliance with their permits.

24 They also have a really important role on
25 planning and have done a particularly good job. I'm the

1 state representative on the BOEM, Bureau of Ocean Energy
2 Management in California Renewable Energy Taskforce, which
3 is a group of federal, state agencies, military and
4 federally-recognized tribes coordinating on offshore wind.
5 I'm not the only state representative. There are a number
6 of other -- many other state agencies on this, but I helped
7 coordinate this effort.

8 And so the staff in the Siting Division have
9 provided really critical support to that effort on outreach
10 and data collection. And they've really brought some of
11 the skills that they honed in working in the desert and
12 working in the Central Valley and working in other parts of
13 the state to this effort as well.

14 I want to thank Kristy Chew. Her role as
15 Technical Advisor to the Commissioners on Siting, she has
16 been invaluable. As well as the attorneys, hearing
17 officers and support staff who help us keep that going and
18 Kourtney for her leadership here.

19 I thank the Public Adviser, everyone in the
20 Public Adviser's Office, the Cultural Resources Unit, Tom
21 Gates, Gabriel Roark, Matthew Braun and Jessica Bonitz,
22 they've been wonderful in many respects, but particularly
23 in the work with tribes and tribal consultation.

24 On the Consent Calendar today we had an MOU with
25 the Government of Scotland. That MOU was to exchange

1 information and give us access to experience in Scotland on
2 dealing with reviews of offshore wind and also learning
3 about the projects that have been built off of Scotland.
4 Scotland has about 25 percent of the total offshore wind
5 resource in Europe. They've developed 197 megawatts of
6 operational projects. They've got over 4 gigawatts of
7 permitted projects and the world's first floating offshore
8 wind farm is in Scotland and recently began delivering
9 power to the Scottish Electrical Grid in October of this
10 year.

11 So we have a lot to learn from our colleagues in
12 Scotland and it's a really great opportunity, not only for
13 Energy Commission staff, but also and maybe more
14 importantly Coastal Commission and Ocean Protection
15 Council, California Department of Fish and Wildlife. And
16 part of the purpose of that MOU is not just to inform us,
17 but to provide a way for our colleagues in other state
18 agencies to get access to this kind of data and
19 experiencing information.

20 So let's see, so I want to give a quick thank you
21 finally to Paul Jacobs, the Energy Commission's Deputy for
22 Compliance Assistance and Enforcement; Barry Steinhart, our
23 Legislative Director; Albert Lundeen and his media team. I
24 already said thank you to Kourtney and Drew and my
25 Executive Assistant Ollie Awolowo without whom I would be

1 completely underwater most of the time and my advisers, Le-
2 Quyen Nguyen and Jennifer Nelson, about whom I could say
3 the same thing. And so with that, thank you.

4 COMMISSIONER HOCHSCHILD: Well, ditto to all that
5 and my thanks as well to my team, the Renewables team, and
6 Kourtney, Drew and everyone who keeps the trains running
7 here thank you to you all.

8 A quick update on my trip to Europe and the
9 Climate Summit, so I spoke at the UN Sustainable Innovation
10 Forum at the Climate Summit. One thing I just wanted to
11 point out, the Governor partnered with former New York City
12 Mayor Mike Bloomberg on a big structure right outside the
13 Summit that said, "America's Pledge, we're still in," and
14 listed the 300 cities and states and all their commitments.
15 And they had people handing out leaflets and they had a big
16 poster and it was really just, I think an important
17 statement to make about all the work that we're doing with
18 all of our colleagues and allies around the country. And I
19 think there's a lot of gratitude for that from the other
20 parties.

21 I spoke also at the launch of the International
22 Energy Agency's new report. And actually they have done
23 some very innovative things including some short videos
24 about -- so last year I think the world's largest source of
25 new electric generation. And it's a grid with solar and

1 they did a whole little video about this. And in a few
2 minutes I'm going to ask Albert to show a short one we're
3 going to be releasing around the tracking progress report.

4 I spoke at the World Energy Council in Berlin, at
5 50Hertz and a few other places. But I just to repeat the
6 obvious the eyes of the world are on California. We are
7 seen as a county, and just incredible interest at every
8 level. I did my best to channel each of you. Mr. Chair is
9 on R&D and Commissioner McAllister on efficiency and
10 Commissioner Scott on transportation and Commissioner
11 Douglas on study and planning. I did my best, but you
12 can't match what you all do.

13 I am also making progress on -- I committed to
14 visit all 44 publicly owned utilities around the state. I
15 think when I finish that, I'm at probably about 38 now I
16 will be the only person to have done that. And I say that,
17 because I don't think anyone else would be foolish enough
18 to make such a commitment.

19 But each one had been fascinating and we were at
20 Victorville. Courtney Smith and I went to Victorville last
21 week and they were at zero percent renewables. And you
22 engage them, you find out what's going on and they're going
23 to surpass their goals. And I -- particularly the small
24 utilities, their staff is very limited and I really
25 appreciated the engagement.

1 I also had an interesting visit right next to
2 Victorville is the BYD Factory, so this is a new -- the two
3 electric bus companies in the United States who are both
4 manufacturing in California. BYD has 800 employees. They
5 have sales in 15 states. I asked why they selected
6 California and it's because of the policy. It's created
7 the market, the proximity to their customers, and just a
8 quick snippet on kind of what the economics are.

9 So the buses retail for 700 K, a conventional bus
10 is 450, so you've got a 250 K delta. But what they're
11 doing, they can sell at 450 and finance the rest, because
12 it's \$50,000 a year of savings. Because the fuel costs are
13 so much less and the maintenance costs are so much less, so
14 I am really excited about the role of buses. And also the
15 ability to help with renewable integration, particularly
16 now as they're moving now in to school buses, which are
17 plugged in during the day. So great to see, I would
18 highly, highly commend any of you that are interested to go
19 visit that facility. It's a great tour. It's in Lancaster
20 and I think they're expanding quite rapidly as is Proterra.

21 As we've been meeting this morning, I just
22 checked the news and it looks like the House and Senate
23 have come to agreement on the tax bill. The question on my
24 mind is what is the fate of the \$7,500 EV tax credit?
25 That's hugely, hugely consequential. It got a very low

1 score from the CBO, I think only 200 million so it doesn't
2 provide -- taking it away doesn't really provide much
3 money. But it has a very negative impact on our state's
4 goals in reducing pollution in the transportation sector,
5 so we will see where that lands. I know the utilities and
6 the OEMs have been working hard to save it, but not clear
7 to me at this point.

8 I did want to say also yes, on the Climate
9 Summit my understanding is there will be 3,000 credentialed
10 dignitaries coming from around the world in September to
11 attend that in San Francisco. And obviously, we'll do
12 everything we can in any way possible, all of us here to
13 support that. But I think it's a very timely thing. I'm
14 really thrilled to see the Governor leading on that. And I
15 wanted to urge everyone who has not yet seen the Governor's
16 appearance on 60 Minutes last Sunday he was phenomenal. It
17 made me even prouder to be in California really. I want to
18 encourage everyone to see that.

19 So with that, Albert, if we could just show the
20 short videos. We're going to be tweeting this out publicly
21 with the tracking progress report.

22 [Audio issues with video.]

23 COMMISSIONER HOCHSCHILD: What? It wouldn't be a
24 proper presentation without a technical challenge.

25 CHAIRMAN WEISENMILLER: The version we stream out

1 will be smooth when --

2 COMMISSIONER HOCHSCHILD: It's not much longer.

3 It just goes on to show one of the statistics we developed
4 we pulled out California from the U.S. economic gross stat
5 and we compare California's economic growth since 2000 with
6 the rest of the United States. And so California's at --
7 we've gone up 40 percent, our GP since 2000 and the rest of
8 the country 28 percent, and so that's kin of the point
9 we're making. We can do all this clean energy progress and
10 still have it be healthy for the economy.

11 So thanks to -- if we can -- no need to play the
12 rest, but we get the point. My thanks to the video team
13 and to Albert for helping. And that's it for me.

14 CHAIRMAN WEISENMILLER: Great. No, thank you. I
15 was going to say actually the first time the Governor went
16 to China there was a group who stayed behind and visited
17 BYD at their factory. Actually it's Build Your Dreams and
18 I've been there a second time in my various trips to China,
19 so it's certainly pretty impressive. But I think the
20 Governor's outreach really was a key factor in getting them
21 to come to Lancaster and to California.

22 I'll talk a little bit about things I've done and
23 then end of the year thank yous. And I'll be brief on
24 major things.

25 I think I just wanted to fly the Aliso Canyon

1 situation again. We've got three pipes out there to the
2 major supply source, so looking at the winter. We put out
3 a technical assessment. We got some comments. We've
4 basically finalized the technical assessment including
5 mitigation measures. And we have posted -- (music
6 interrupts briefly.) Yeah, if we can just -- anyway, we
7 have posted or are posting the comments to that moving
8 forward.

9 Probably the comment that has gotten the most
10 reaction was that Picker and I sent a letter to the
11 supervisors in L.A. County pointing out that they've been
12 pretty vociferous about shutting down Aliso Canyon down
13 now. At the same time they are permitting additional gas
14 development at Porter Ranch and so we've asked them to put
15 a moratorium on those developments. And so far that's not
16 been well received by them and certainly the building
17 industry does not like the suggestion. And at the same
18 time the PUC is working on its ability to do that through
19 regulatory move going forward.

20 But again, it's pretty serious. I certainly
21 encourage any and every one in Southern California to
22 conserve energy this winter. And we're certainly trying to
23 have some innovative programs out of the utilities to do
24 that. You know, we have enough problems with our electric
25 demand response, but anyway trying to get gas demand

1 response going forward. And so anyway it's going to be
2 important.

3 We'll shift gears now to the thank yous. I think
4 I'm going to just start at the basics and then sort of talk
5 broadly. I mean, as Chair I interact with a lot of the
6 agency and I'll try not to repeat what's been hit so far,
7 but anyway or at least the ones I've dealt with mostly.

8 And you know, the key thing for me obviously is
9 my core staff. As Karen said just in terms of every day
10 basically marching along and helping us get things done I
11 certainly want to start with my next, Kevin, is my Chief of
12 Staff who is really helping pull things together
13 continually on stuff. And at the same time certainly
14 Catherine Cross and now with Jann Mitchell, in terms of
15 trying to get some sense of what I'm supposed to be doing
16 at any given time they're critical to do that and to just
17 deal with the realities of scheduling.

18 And with Catherine out we had a lot of people who
19 stepped in to help in that, so I certainly want to thank
20 all of them. I mean, Cathy Graber came back from
21 retirement and was sort of critical for a while. Doris
22 Yamamoto, Laura obviously, but just it was great the way
23 people stepped in to try to help as we were dealing with
24 that crisis.

25 And I think everyone has acknowledged, so moving

1 out a little bit broader from the office -- and I'll talk
2 about the other members of our office as I go along --
3 obviously Rob and Drew have been critical for the running
4 of this agency and sort of the reset we've done here. And
5 Rob particularly for his six years of service as our
6 Executive Director was a critical reset in legislative
7 relationships and just the management of this place.

8 At the same time I spent a lot of time last year
9 on sort of international stuff and certainly my
10 international team: Alana Sanchez, Michael Murza, Fan Dai
11 at the Governor's Office have been critical, particularly
12 on the China work, the Mexico work. Emilio has certainly
13 helped on the Mexico. It's really we've talked a lot about
14 how to have an impact on climate it has to be not just
15 California, but we really have to be sort of helping the
16 rest of the world learn off of our successful policies
17 moving forward to address greenhouse gas emissions.

18 This year I've been the Lead on the IEPR, so a
19 lot of thanks to a lot of people. Heather Raitt and her
20 team are just phenomenal I think in terms of the support
21 they give in that activity. And again, certainly we want
22 to thank them going forward.

23 You know, in terms of one aspect of what I did on
24 the IEPR this year was obviously climate change adaptation
25 is really important in this Administration, so we had a

1 real focus there. My adviser Pam Doughman sort of did a
2 great job on climate adaptation and mitigation efforts,
3 also the metrics. But with that obviously on the
4 mitigation a lot of these people: Guido Franco and Susan
5 Wilhelm were sort of critical for pushing that along.

6 Jana Romero really helped me on the Scoping Plan
7 that's been sort of a two-year effort. I think she thought
8 she escaped it going to the Chief Counsel's Office, she
9 didn't. And who knows whether it's done this year or
10 continues on its next balance. So obviously it's on a
11 five-year cycle and they start a little bit early and are
12 slowly catching up.

13 And I think as everyone has noted, I mean
14 certainly Kourtney is a key part of the basically
15 functioning of this organization. And we feel good about
16 the advice we're getting in that area and how the office is
17 moving. Certainly I think we all have had the opportunity
18 to work with the Gabe Herrera on a lot of these EPIC or
19 renewable stuff. He's a real workhorse there. And Allan
20 Ward, I mean we do a lot of contracts and a lot of
21 contracting and it's really critical that be done well.

22 Obviously our Business Meetings, I mean we have a
23 Secretary that takes a huge roll there. I mean, Cody has
24 been phenomenal in terms of thank you for keeping things
25 running smoothly here as is Chester. I think again, I want

1 to thank you for dealing with and making sure that as we
2 are dealing with the public that it goes smoothly.

3 In terms of my areas tend to be -- I wanted to
4 talk about sort of on the one hand the Executive Office
5 pieces and talk a little bit about the divisions I've
6 worked with. But certainly Lisa has done a phenomenal job
7 on auditing. I mean, this is something I'm not quite sure
8 how the agency has been around for as long as it has
9 without having a strong audit function. But it's really
10 important that people know that we take our contracts
11 seriously. And that we also ensure the public is getting
12 the value for their money.

13 I think Albert Lundeen and his staff have been
14 critical on the communication side. You know, I think
15 we're -- we basically want to really talk about how to get
16 the message out on what we're doing I think he's certainly
17 really stepped up the unit there. We have a lot more now
18 on the social media side. Give us the example this is the
19 sort of work that Vince and Katie have been doing in terms
20 of really getting that going.

21 And I want to thank Michael Ward for his efforts
22 to support us on R&D too in getting the message out. We've
23 got a lot of good blogs, but it's like does if the tree
24 falls in the forest does anyone know if no one hears?
25 Where similarly we do a lot of good work here, but if we

1 don't really make it easy for people to know what we're
2 doing then the place is never going to get the recognition
3 it needs.

4 In terms of the small office obviously Barry and
5 his shop have done a great job on the legislative side.
6 You know, again I think all of you know my first year as
7 Chair one of my priorities was really resetting the
8 legislative relationship, which was horrendous at that
9 point.

10 I think all of us appreciate Michael Sokol's work
11 on the 350. And certainly appreciate Alana Mathews as a
12 Public Adviser. Certainly the compliance work has been
13 huge to get that done as Karen mentioned.

14 Many of you probably haven't dealt with Justin
15 Cochran much, but I mean he's been critical not only in
16 emergency response, but also the nuclear stuff. But
17 certainly I can tell you all weekend when I was getting the
18 updates from the various utilities on how many people were
19 out of fire or how many acres he was sort of working
20 through that. Also trying to figure out if we were going
21 to have issues on those people trying to evacuate, did that
22 mean somebody would have gasoline shortages or what was
23 happening to not just to our power infrastructure, but to
24 our gas infrastructure, petroleum infrastructure. So
25 certainly Justin, Gordon Schremp, and Ryan Eggers are huge

1 resources for us in those areas.

2 I think certainly in terms of going back to
3 Laurie ten Hope and sort of the Research and Development,
4 Laurie and Linda have both done a great job. Again, as I
5 said we had to reset from the Legislature sort of end it to
6 getting a lot of -- getting a program together that was
7 very solid and moving forward. We got a great decision out
8 of the PUC on the next step on the EPIC Program, which was
9 good. So again, I think there's a lot of hard work, but
10 it's sort of paying off.

11 Certainly, I want to thank Mike Gravely for his
12 work with us in the military. That's been a key
13 relationship. It's been important. Obviously on the IEPR
14 and other areas I interact a lot with Sylvia on her shop.
15 And again, the analytical part is really important. I
16 think all of us -- I want to particularly note Andrea Gough
17 who is now retiring who has had many years of public
18 service here.

19 I think as we've gone through the IRP process
20 certainly Melissa Jones, Garry O'Neil, Paul Deaver, Dave
21 Vidaver have all taken a key role in getting that together.

22 Certainly hats off to Al for helping us work
23 through our relationship with the PUC on putting in place
24 an MOU or an interagency agreement actually, on the
25 transmission siting.

1 And finally, for Aliso Canyon has really been a
2 challenge for all of us and Lana Wong and Caty Elder have
3 been really instrumental in helping the state just really
4 stay on top of the Aliso stuff with very solid analysis.

5 So again, there are a lot of people. We could
6 probably go all day if we really tried to cover everyone.
7 And I think hopefully the high points and those of you that
8 I somehow forgot, again apologies. But again I appreciate
9 everyone's hard work and dedicated public service. I think
10 certainly it's really important in these days to set the
11 right milestones or do those investments for California.
12 And I think we have a lot of dedicated staff who are
13 basically helping us trying to change, help transform
14 California and help us deal with the challenge of this
15 climate.

16 So again, thanks to everyone for a very solid
17 year and looking forward to next year, right?

18 COMMISSIONER DOUGLAS: Well, thank you.

19 CHAIRMAN WEISENMILLER: Yeah. Okay, Chief
20 Counsel's Report.

21 MS. VACCARO: Nothing today.

22 CHAIRMAN WEISENMILLER: Executive Director's
23 Report?

24 MR. BOHAN: Well, you're going to hear a lot of
25 repeats, but I think it's important to mention names. So

1 I'm going to go very quickly, but I have as I say mostly
2 repeats, but not exclusively. First, the five of you with
3 Janea not being here, I want to thank personally for your
4 confidence, support and guidance. And on behalf of staff
5 your dedication, because you make it interesting and
6 exciting to come to work every day. You really do.

7 We're finalizing our 2017 Accomplishments Report
8 and our successes are the result of a tremendous team. And
9 we're not going to mention every one of them, but we're
10 nearly 700 strong. And it really is a reflection of the
11 work of every one of us here. You provide the policy
12 leadership and the vision and staff work to carry that out.

13 Second, I want to thank the EO support team
14 headed by Gaylene Cooper and Laura Castaneda. They work
15 tremendously well independently and they're also just a
16 nice team and get along well and are able to get an awful
17 lot done as a consequence.

18 Third, and you've mentioned them all, but the
19 seven deputies. Laurie ten Hope is here, Courtney Smith,
20 Rob Cook, Dave Ashuckian, Sylvia Bender, Shawn Pittard and
21 John Kato.

22 Fourth, Barry Steinhart and Albert Lundeen, Paul
23 Jacobs and Lisa Negri and Heather Raitt, who is finishing
24 one IEPR as she starts another. Not unlike painting the
25 Golden Gate Bridge, it's just an ongoing cycle.

1 (Laughter.) Mike Sokol, you mentioned, but he's been asked
2 to do way too much, but somehow manages to do even more.
3 Justin, Chair, you mentioned Justin Cochran. He wears two
4 hats, both as your Nuclear Adviser and as our Emergency
5 Coordinator and he's really helped to elevate our game in
6 both of those areas.

7 You also mentioned Alana Mathews, she's a very
8 effective representative for us. And she's also just
9 collaborative and really easy to get along with. And I
10 also want to thank Kourtney Vaccaro who consistently
11 provides the organization's, but me personally, tremendous
12 counsel and excellent judgement.

13 And last but not least, we've had lots of folks
14 join us this year and we've had 18 departures. And I just
15 want to call attention to two. You've mentioned Rob
16 Oglesby, we've talked about him at some length at past
17 meetings for his tremendous service to the organization.
18 And another one that you may have heard of, but may not
19 have is Steve Bonta who has been with us for two decades.
20 He's been tireless. He's probably the guy if there's
21 anybody in the building at 10:00 o'clock at night it's
22 Steve Bonta and he'll really be missed. He's focused on
23 two things: both the security of our system so that we
24 maintain a stable, strong, secure IT system and he's been
25 really good at focusing on the business needs of the

1 organization and not just sort of technical centric.

2 So with that I thank you all very much.

3 CHAIRMAN WEISENMILLER: Thank you.

4 Public Adviser Report?

5 MS. MURIMI: Nothing to report.

6 CHAIRMAN WEISENMILLER: Thank you.

7 We have one public comment, please

8 Mr. McLaughlin?

9 MR. MCLAUGHLIN: Good morning, Commissioners. My
10 name's Larry McLaughlin. I'm the Regional Director for the
11 Community College System in the Inland Empire Desert
12 Region. I work with clean energy and transportation
13 programs among the community colleges in my region.

14 I also work with a lot of colleagues in the
15 community college system on energy-related programs that
16 agree with me on the point that providing professional
17 level education as well as education and information to our
18 future workforce will help facilitate the adoption of clean
19 energy technologies.

20 So along those lines, I'm here to tell you a
21 little bit about a workshop that my colleagues and I have
22 partnered with the Stone Edge Farm Microgrid to develop.
23 It's called "Microgrids introduction to microgrid
24 applications, technologies, value and economics." And we
25 had the privilege of piloting that workshop at Stone Edge

1 Farm on October 4th and 5th with a group of commercial
2 developers. We had representatives from a couple of the
3 cities: City of Berkeley, City of Oakland. We had the
4 representative from the community college system, both on
5 the facility side and the program side to learn about the
6 concepts, the value propositions of microgrid
7 implementation.

8 So we plan to do these periodically. We plan to
9 do them at Stone Edge Farm and we may be doing the
10 microgrid workshops in the southern part of the state as
11 well. I'm here in town to go to a meeting tomorrow and
12 pitch the Microgrid workshops to a taskforce of community
13 college facilities' directors. And the idea is that
14 community colleges are excellent possibilities for
15 microgrid implementation, community college campuses. And
16 so we're going to talk about that workshop and the kind of
17 information that we'll be able to provide them, to maybe
18 get them started down this path.

19 So while I was here I wanted to bring this by and
20 to let you know what we're up to. And that we look forward
21 to providing these in the future and I'd certainly be happy
22 to keep you posted on our progress. Okay.

23 CHAIRMAN WEISENMILLER: Thank you. Please
24 definitely keep us posted on that. I mean, we've got a
25 major activity now coming up with a roadmap for microgrids

1 from the R&D side. And I'm going to say I think we have
2 out now sort of a major solicitation for microgrids as our
3 next step. I obviously can't talk about any proposal that
4 has been submitted there are the status, but again it's a
5 major emphasis of our RD&D Program. And we've certainly
6 done a lot of work with educational institutions in the
7 military.

8 MR. MCCLAUGHLIN: Thank you very much. Yeah,
9 we'll look for that and we have tried to participate in
10 some of the roadmap workshops regionally. And we're
11 learning along with everyone, trying to get the information
12 out too. Thank you.

13 CHAIRMAN WEISENMILLER: Thanks. And thank you,
14 thanks for being here.

15 This meeting's adjourned.

16 (Adjourned the Business Meeting at 11:51 a.m.)

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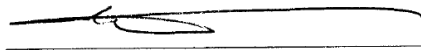
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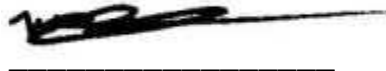
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