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CALIFORNIA ENERGY COMMISSION
TRANSCRIPTION OF RECORDED BUSINESS MEETING
MARCH 12, 2019
SACRAMENTO, CALIFORNIA

Present: DAVID HOCHSCHILD, CHAIR
JANEA A. SCOTT, VICE CHAIR
KAREN DOUGLAS, COMMISSIONER
J. ANDREW MCALLISTER, PH. D., COMMISSIONER
DREW BOHAN, EXECUTIVE DIRECTOR
COURTNEY SMITH, CHIEF DEPUTY DIRECTOR
KOURTNEY VACCARO, CHIEF COUNSEL FOR CEC
ALANA MATTHEWS, PUBLIC ADVISOR
KEITH WINSTEAD, PROJECT MANAGER
ANISS BAHREINIAN, PROJECT MANAGER
INGRID NEUMANN, ENERGY SPECIALIST
THERESA DANIELS, RENEWABLE ENERGY DIVISION
JOSHUA HUSSEY, SENIOR ENGINEER, LA COUNTY
(TELEPHONICALLY)
NELSON PEÑA, ENERGY EFFICIENCY DIVISION
RACHEL SALAZAR, ENERGY COMMISSION SPECIALIST
MELANIE ZAUSCHER, CALIFORNIA AIR RESOURCES BOARD
OLGICA BAKAJIN, PORIFERA
GEORGE PIANTKA, NRG (TELEPHONICALLY)
STEVE UHLER, MEMBER OF THE PUBLIC

Transcribed by: Abbey L. Roberts,
eScribers, LLC
Phoenix, Arizona
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1 part of the reason why I wanted to stay and continue
2 doing this work. We gave away, last year, over half a
3 billion dollars to all these things that are helping
4 contribute to a clean energy future, from the Prop 39
5 program, which Commissioner McAllister has run so ably;
6 helping energy efficiency on schools and solar, to the
7 clean transportation program, which our Commissioner
8 Scott has run incredibly well, and so many other things.
9 And I think it's a source of great pride.

10 And the Energy Commission going forward, you know we
11 are going to be a bold and relentless force to build this
12 clean energy future. That's what the governor wants of
13 us, and expects of us, and we're going to be the
14 destination agency for top talent. And I look forward to
15 writing this next chapter together with my extraordinary
16 colleagues who it is an honor to serve with, and that was
17 a big factor for me personally, wanting to continue.
18 It's just the chance to work with such competent and
19 dedicated and ethical and creative commissioners. It's a
20 real pleasure.

21 And in terms of new talent, I wanted to take a
22 minute at the start to announce my first new hire here in
23 the form of Lindsay Buckley, who comes to us from ARB.

24 Lindsay, raise your hand there.

25 Where, for the last five years, she has worked with

1 Mary Nichols on communications. And we're having her
2 come in to help do strategic communications, external
3 relations, and help communicate, because even if we
4 achieve 100 percent clean energy here and achieve the
5 goals of the executive order, if other states and other
6 nations are not following suit, we're not going to be
7 successful. It's really a core part of what we're going
8 to be engaged in here in the years ahead.

9 So Lindsay, it's a great pleasure to have you on the
10 team.

11 I also want to say going forward, one new thing
12 we're going to be doing, just at the request of any
13 commissioner, we will be adjourning future commission
14 meetings in memory of anyone that commissioners would
15 like. And today, we'll be adjourning in memory of
16 Richard Maullin, who was the first chairman of the
17 California Energy Commission, as well as the mother of
18 Tara Weeks, my senior advisor, and we'll be saying a
19 little more about both of them at the end of the meeting.

20 So Commissioner Douglas is on her way and will be
21 here. With that, why don't we go ahead to the consent
22 calendar.

23 Do you consent?

24 **MS. SCOTT:** Second.

25 **MR. HOCHSCHILD:** All in favor say "aye".

1 **MR. MCALLISTER:** Aye.

2 **MS. SCOTT:** Aye.

3 **MR. HOCHSCHILD:** The motion passes three to nothing.

4 Let's go to Item 2: Marsh Landing.

5 Good morning.

6 **MR. WINSTEAD:** Good morning, Chairman and
7 Commissioners. My name is Keith Winstead. I work for
8 the Siting Transmission and Environmental Protection
9 Division. I am the Compliance Project Manager overseeing
10 the Marsh Landing Generating Station Petition to Amend.

11 With me is staff counsel, Lisa DeCarlo and
12 engineering office manager, Matt Layton. In attendance
13 is Dennis Peters, representing the California Independent
14 System Operator. In attendance representing the owner,
15 NRG, is George Piantka. Available by phone will be
16 Dennis Jang and Xuna Cai, from the Bay Area Air Quality
17 Management District.

18 Marsh Landing Generating Station is a simple-cycle,
19 natural gas-fired, 760-megawatt facility, located in the
20 city of Antioch, California. The project began
21 commercial operation in May 2013.

22 NRG Marsh Landing, LLC filed a Petition March 26,
23 2018, to amend the final decision requesting installation
24 of a battery energy storage system and associated
25 equipment for Black Start capabilities. The Petition to

1 Amend is in response to the California Independent System
2 Operator's selecting Marsh Landing as one of two
3 facilities to provide needed Black Start capabilities in
4 response to grid emergencies in the greater San Francisco
5 Bay Area.

6 The California Independent System Operator developed
7 their system restoration orders, which included Black
8 Start capabilities to address both the Federal Energy
9 Regulatory Commission and the North American Electric
10 Reliability Corporation that developed standards to
11 implement restoration plans in the event of power or
12 system outages. The modification would consist of
13 installing up to seven megawatts, 3.6-megawatt-hour
14 lithium-ion batteries in two metal enclosures. The
15 battery system would have the capability of energizing a
16 4,160-V bus for starting Unit 3 and 4 combustion turbine
17 generators during an emergency or blackout event.

18 Staff reviewed, and concluded, that all potential
19 impacts associated with the installation, as well as the
20 operating testing scenarios associated with a Black Start
21 capability, would be less than significant with the
22 implementation of offset mitigation measures.

23 With seven new, and nine modified air quality
24 conditions, along with one new worker safety and fire
25 protection condition, the project would remain in

1 compliance with applicable regulations. In addition, the
2 resulting project modifications would not affect any
3 population, including the environmental justice
4 population.

5 Staff is requesting that the Commission approve this
6 petition and add the Battery Energy Storage system.

7 Thank you. If you have any questions, staff is
8 available.

9 **MR. HOCHSCHILD:** Thank you. I understand I have the
10 project proposer on the phone, or (indiscernible)?

11 **MR. MCALLISTER:** We have the --

12 **MR. HOCHSCHILD:** Oh, yeah.

13 **MR. PIANTKA:** Hi. Good morning. This is George
14 Piantka speaking on behalf of Marsh Landing, LLC, the
15 applicant here. You know, we're very, very pleased with
16 the analysis, both from the Energy Commission and from
17 the Bay Area HMD. I mean, in particular, I want to thank
18 Keith Winstead and -- and -- and Thomas Young for their
19 efforts, and -- and Chu as well. And then from Bay Area,
20 we worked very closely with Xuna Cal, and Pamela Long, so
21 no -- no -- no comments. There are no questions about
22 the analysis. Thank you.

23 **MR. HOCHSCHILD:** And again, the chemistry of the
24 battery is lithium-ion, or is it another one?

25 **MR. PIANTKA:** Yes. Yes, it's a lithium-ion battery.

1 **MR. HOCHSCHILD:** Okay.

2 **MS. DOUGLAS:** All right. Well, I've been strongly
3 supportive of this. I think it's exciting to see the
4 batteries and the Black Start capability, and pleased to
5 see the analysis done by staff and by Bay Area HMD. So I
6 will move Item 2.

7 **BOARD MEMBER:** Before you vote, you might want to
8 consider whether there are members of --

9 **MS. DOUGLAS:** Oh --

10 **MS. SMITH:** -- the public --

11 **MS. DOUGLAS:** -- I'm sorry.

12 **MS. SMITH:** -- in the room or anybody else on the --

13 **MS. DOUGLAS:** Good point.

14 **MS. SMITH:** -- line who might --

15 **MR. MCALLISTER:** Um-hum.

16 **MR. HOCHSCHILD:** Thank you. Yes.

17 Is there any public comment -- thank you, Courtney
18 (ph.) -- either in the room or on the phone?

19 Okay. Hearing none, with that, there is a motion.

20 Is there a second? No seconds.

21 Commissioner McAllister, second. All in favor say
22 "aye".

23 **MR. MCALLISTER:** Aye.

24 **MS. SCOTT:** Aye.

25 **MR. HOCHSCHILD:** Any opposed? Any abstentions?

1 That passes unanimously.

2 We'll go onto Item 3, Renewable Portfolio Standard
3 verification results.

4 **MS. DANIELS:** Hello, Commissioners. I am Theresa
5 Daniels, and I work on verification for the Renewables
6 Portfolio Standard, or RPS program. Today's staff is
7 requesting adoption of the RPS verification results
8 reports for forty Local Publicly Owned Electric
9 Utilities, or POUs.

10 These reports present the verification findings of
11 renewable energy procurement claims submitted by POUs and
12 reported towards RPS targets for Compliance Period 2,
13 which covers the years 2014 through 2016.

14 California's RPS is one of the most ambitious
15 renewable energy policies in the nation, and a key driver
16 for achieving decarbonization of the energy sector. The
17 RPS requires the state's POUs to procure increasing
18 amounts of renewable energy. Enacted by Senate Bill 1078
19 in 2002, the RPS was accelerated and expanded by
20 subsequent legislation as illustrated on the graph.

21 Senate Bill X12 expanded the RPS to apply to POUs
22 starting in 2011. With the passage of Senate Bill 100
23 last year, POUs are required to serve sixty percent of
24 retail sales with eligible renewable energy resources by
25 2030, and must plan to procure 100 percent renewable and

1 zero carbon resources by 2045. For Compliance Period 2,
2 the period covered by this report, the procurement target
3 was twenty-five percent of retail sales by 2016.

4 California's RPS defines all renewable procurement
5 from contracts executed after June 1st, 2010, into three
6 portfolio content categories. POU's are required by the
7 RPS to meet portfolio balance requirements, which are
8 minimum and maximum percentages of the Portfolio Content
9 Category 1 and 3 products that POU's procure and apply
10 towards RPS targets.

11 The minimum requirement for Portfolio Content
12 Category 1 products increases each compliance period from
13 fifty percent in Compliance Period 1 to seventy-five
14 percent in Compliance Period 3, and remains at seventy-
15 five percent thereafter.

16 The maximum amount of compliance -- of Portfolio
17 Content Category 3 products allowed to be applied to the
18 RPS decreases over time from a minimum -- a maximum of
19 twenty-five percent in Compliance Period 1 to ten percent
20 in Compliance Period 3 and beyond.

21 For Compliance Period 2, the minimum requirement for
22 Portfolio Content Category 1 products was sixty-five
23 percent, and the maximum amount allowed for Portfolio
24 Content Category 3 products is fifteen percent.

25 As part of its responsibilities, the Energy

1 Commission verifies the RPS procurement claims of both
2 retail sellers and POUs. The retail sellers Compliance
3 Period 2 verification report was adopted by the Energy
4 Commission at its November 2018 business meeting, and
5 transmitted to the California Public Utilities Commission
6 to complete the remaining verification and compliance
7 findings for retail sellers. In preparing the POUs RPS
8 verification results reports, staff followed the methods
9 described in the Energy Commission's Renewables Portfolio
10 Standard Eligibility Guidebook and further detailed in
11 the Renewables Portfolio Standard Verification
12 Methodology Report, second edition.

13 These methods include verifying the eligibility of
14 claims and confirming the Portfolio Content Category
15 Classification of Claims. In determining claim
16 eligibility, staff verifies that the claims are from RPS
17 certified facilities and that they meet all retirement
18 rules. This also includes determining the amount of
19 eligible renewable energy from multi-fuel and bio-methane
20 facilities and conducting an overclaims analysis.

21 Determining the Portfolio Content Category
22 Classification includes a review of the POUs contracts,
23 checking the facilities balancing authority
24 interconnection, and verifying that the procurement
25 satisfies all scheduling requirements. Staff determines

1 if the -- if each POU applied a sufficient amount of
2 eligible renewable energy to meet its procurement target
3 and portfolio balance requirements.

4 The RPS verification results reports presented for
5 your consideration today provides the findings of the
6 Energy Commissions verification activities for forty of
7 the states forty-four POU. This slide is displaying
8 Glendale Water and Power's RPS verification results
9 report as an illustrated example of the report format and
10 information it provides.

11 Each POU's RPS verification results report contains
12 information specific to that POU on procurement target
13 and portfolio balance requirements, the amount of
14 eligible renewable energy retired and applied shown by
15 Portfolio Content Category and other classifications, any
16 historic carryover and excess procurement amounts, and
17 any optional compliance measures being applied. Each POU
18 has reviewed and accepted staff's findings.

19 The staff draft reports were posted for public
20 comment on February 14th, and two public comments were
21 received. Staff considered these comments and determined
22 that no changes to the RPS verification results reports
23 were needed. The POU's Compliance Period 2 results show
24 improvement when compared to the results of Compliance
25 Period 1. So far, the number of POU's that met their RPS

1 procurement target this compliance period increased from
2 twenty-six to thirty-four POUs. All forty POUs have met
3 their portfolio balance requirements. The number of POUs
4 that banked excess procurement increased to seventeen.
5 The number of POUs that didn't meet their RPS procurement
6 target and applied optional compliance measures decreased
7 to six this compliance period. Of the forty-three POUs
8 that reported RPS claims, one still has results in
9 progress for Compliance Period 1, and three are still in
10 progress for Compliance Period 2.

11 The Compliance Period 2 verification results are the
12 first verification findings for POUs using the RPS online
13 system. Staff used the verification methodology
14 developed during Compliance Period 1 and updated the
15 methodology during the Compliance Period 2 analysis.
16 Compliance Period 2 had an additional five load serving
17 entities that reported RPS claims and a 112 percent
18 increase in procurement claims. However, due to the
19 process improvements staff was able to complete the
20 verification results thirty-four percent quicker than we
21 did for Compliance Period 1. We're going to use our
22 experience with the Compliance Period 2 verification to
23 continue to improve our verification methodology and the
24 RPS online system to further speed up the processing time
25 of the Compliance Period 3 analysis.

1 Following adoption of the RPS verification results
2 report, the Energy Commission's executive director will
3 notify each POU that met all RPS requirements of its
4 compliance determination. For the POUs that did not meet
5 the procurement requirements, Energy Commission staff
6 will begin evaluating optional compliance measures.
7 Following the evaluation, staff will make a
8 recommendation to the executive director. The executive
9 director will notify POUs of a compliance determination
10 and will follow the enforcement process as needed.
11 Additionally, the remaining three POU's RPS verification
12 results reports will be considered for adoption at a
13 future business meeting.

14 Energy Commission staff finds that the procurement
15 claims detailed in the RPS verification results reports
16 for forty POUs are eligible to count toward meeting the
17 POU's RPS procurement requirements for Compliance Period
18 2. We request that the Energy Commission adopt the RPS
19 verification results reports with minor edits made to
20 correct typographical errors.

21 Thank you for your consideration of this request.
22 I'm happy to respond to any questions you may have.

23 **MR. HOCHSCHILD:** Thank you very much. Let's go to
24 public comment.

25 Mr. Uhler?

1 **MR. UHLER:** Thank you, Commissioners.

2 Unfortunately, I'm having to use this device, which I'm
3 unfamiliar with, because Firefox browser doesn't work
4 with your system.

5 I made a comment. I hope you were able to read the
6 comment. There was a number of questions in my comment.
7 Your staff has not answered the questions.

8 So I'm looking at a situation where you regulate the
9 POUs with RPS and compliance, and as far as I can tell
10 they're running from a regulation where there's
11 legislations that has passed. And somebody's trying to
12 use that -- those -- those statute provisions that are
13 susceptible to interpretation without a regulation, and
14 that would be 39930(c)(4) under -- on your website
15 neither does the POU have an enforcement procedure for
16 (c)(4) of 39930 or you don't have a procedure, so the
17 staff apparently -- looked at two comments. I'm taking
18 one of them was mine, and they saw no changes.

19 I'm wondering is there some other regulation that
20 they're running under? Could it possibly be what is
21 known as an underground regulation? You -- under N,
22 you're to -- to write regulations for this. I see no
23 information in there telling us where these RPS credits
24 came from and how they reduced retail sales, so in you
25 considering whether or not to even vote on this, you --

1 you should consider whether or not the staff is using an
2 underground regulation in order to -- to allow smudged
3 reports on this.

4 Once again -- neither of them -- your website has an
5 enforcement procedure for 39930(c)(4). So are you
6 familiar with underground regulations? Now, bear in
7 mind, I cannot get to the document without somebody
8 giving me a password. So you're supposed to be able to
9 supply me with the document. I'm working under a
10 situation where I can't get to the information that I'd
11 like to have. So are you familiar with underground
12 regulation? Does none of you know of underground
13 regulation?

14 **MR. HOCHSCHILD:** Yeah. This is public comment
15 period.

16 **MR. UHLER:** It is -- is it -- yeah.

17 **MR. HOCHSCHILD:** Yeah.

18 **MR. UHLER:** You do understand that if you know this
19 piece of information and you're not allowing the public
20 to know it, you (indiscernible) might not be favorable
21 towards you. Do you know that? This is -- this is not
22 access to the information. Could the legal chair -- or
23 legal commissioner speak about this? Thank you.

24 **MR. HOCHSCHILD:** Thank you for your comments.

25 Are there any other public comments?

1 All right. Let's turn to Commissioners -- I think
2 it is a job well done by staff, thank you. And it is a
3 complicated job. We have forty-three publicly owned
4 utilities, and just -- so they vary in size from one
5 staff per (indiscernible) on some of these, to 9,000 in
6 the case of LEDWP, so it's a lot to manage. And I thank
7 all of the staff for their hard work.

8 Is there a motion to --

9 **MS. DOUGLAS:** You know, I'll just make a --

10 **MR. HOCHSCHILD:** Oh, yeah. Go ahead.

11 **MS. DOUGLAS:** -- comment.

12 **MR. HOCHSCHILD:** Oh, I'm sorry, let me just -- one
13 other thing I'd like to say. I'm sure the Bagley/Kane
14 relationships -- we're going to, for the moment, keep the
15 structure that Chair Weisenmiller had, with one
16 exception, which I've asked Commission Douglas to join me
17 as co-lead on renewables. So --

18 **MS. DOUGLAS:** So yeah. So thank you for that, and
19 I'm enjoying digging in even deeper on renewables issues.
20 I received a pretty detailed -- oh, good point. Yeah, I
21 received a pretty detailed briefing from staff on the
22 verification report and I appreciated it a lot, and I am
23 happy to make a motion. Although, I want to see if there
24 are any other comments?

25 All right. I will go ahead and move this item.

1 **MR. HOCHSCHILD:** Is there a second?

2 **MS. SCOTT:** Second.

3 **MR. HOCHSCHILD:** All in favor say "aye".

4 **MS. DOUGLAS:** Aye.

5 **MS. SCOTT:** Aye.

6 **MR. MCALLISTER:** Aye.

7 **MR. HOCHSCHILD:** That passes unanimously. Let's
8 move on to Item 4, County of Los Angeles.

9 **MS. NUEMANN:** Good morning, Chair Hochschild and
10 Commissioners. I am Ingrid Neumann with the Building
11 Standards Office, and with me is Jacqui Moore from the
12 Chief Counsel's Office. We are bringing Los Angeles
13 County's request for approval of a new local energy
14 ordinance before you today.

15 In this context, Los Angeles County refers to the
16 one million Californians in the unincorporated portions
17 of Los Angeles County. They are under the jurisdiction
18 of the Los Angeles County board of supervisors. The
19 Building Standards office encourages and assists local
20 jurisdictions in developing and adopting local energy
21 standards that go beyond the statewide standards adopted
22 by the Commission. This is an ambitious endeavor that
23 deserves recognition, as California's statewide standards
24 are already world leading in energy efficiency.

25 Today's ordinance will be the twenty-first we've

1 brought before the Commission under the 2016 Building
2 Energy Efficiency Standards. Local governmental agencies
3 wishing to enforce locally adopted energy standards must,
4 by statute, apply to the Energy Commission for a finding
5 that the local energy standards require buildings to
6 obtain equal or greater energy efficiency than those
7 mandatory statewide standards.

8 Staff reviewed the County of Los Angeles'
9 application, and finds that the ordinance meets the
10 requirements for consideration by the Commission. The
11 County's ordinance requires supplemental green building
12 standards mandating more stringent cool roof requirements
13 for newly constructed buildings, as well as additions and
14 alterations for existing buildings subject to specified
15 exemptions. These cool roof requirements are equal to,
16 or more stringent, than the statewide standards under the
17 2016 Title 24, Part 6. However, the buildings that are
18 exempted under this local ordinance would have to still
19 meet those statewide minimum standards.

20 The ordinance adopts, and makes mandatory, many of
21 the voluntary cool roof requirements from the 2016 Green
22 Building Standards Code, which is otherwise known as
23 Title 24, Part 11 or CALGreen. These standards will help
24 reduce the urban heat island effect, improve air quality,
25 and decrease the energy consumption in buildings.

1 For these reasons, staff recommends that the
2 findings be approved and the Energy Commission Resolution
3 be signed. I -- I -- I'm sorry. I skipped something.
4 Los Angeles County staff also found that the ordinance is
5 cost effective. This isn't very important and that has
6 no significant negative impact on the environment. So
7 for these reasons staff recommends that the findings be
8 approved and the Energy Commission resolution be signed.

9 I am available to answer any questions you have, as
10 is via telephone Joshua Hussey Senior Engineer with the
11 County of Los Angeles. Thank you.

12 **MR. HOCHSCHILD:** Thank you, Ingrid. And
13 Commissioner McAllister just informed me, we now have
14 something in the order of twenty cities that have done
15 something like this, gone about Title 24 Code. So we
16 really want to thank the county of Los Angeles, and all
17 the cities in the county that do this, they're really the
18 laboratories, or the next generation of policies we look
19 at.

20 So Joshua Hussey is on the line, did you want to say
21 anything?

22 **MR. HUSSEY:** Can I -- I just wanted to take this
23 opportunity to thank Ingrid and the Energy Commission and
24 the hard work that they've done in inventing our
25 ordinance. It's something that's very important to --

1 not only to our board of supervisors here at Los Angeles
2 County, but also to our chief sustainability officer with
3 our county CEO office. So I just wanted to take this
4 opportunity to thank you, and I am available if there are
5 any -- any questions.

6 **MR. HOCHSCHILD:** Great. Thank you.

7 Is there any public comment at this time from anyone
8 in the room or on the phone?

9 If not, thank you, Mr. Hussey. We'll turn it over
10 to Commissioner McAllister.

11 **MR. MCALLISTER:** Yes. So Ingrid, thanks a lot. I
12 think as you said, this is number 21, right? So -- from
13 2016 and you know, we're looking forward to all these
14 reupping in 2020 when the 2019 code goes into effect, so
15 you know, I totally agree that the local government is
16 really where the rubber hits the road. And their
17 jurisdiction, I think is really well applied to stretch the
18 envelope, and they know their context and really appreciate
19 the County of Los Angeles and all the other local
20 governments for stepping up and helping us move towards our
21 goals. And that'll be helpful for us in the next rounds as
22 we do for 2022, and we get going on the code update for
23 then.

24 So any other comments?

25 All right. I'll move Item 4.

1 **MS. DOUGLAS:** Second.

2 **MR. HOCHSCHILD:** All in favor say "aye".

3 **MR. MCALLISTER:** Aye.

4 **MS. SCOTT:** Aye.

5 **MR. HOCHSCHILD:** That motion passes unanimously.

6 Let's move on to Item 6, Rapid Innovation Development to
7 Green Energy.

8 **UNIDENTIFIED SPEAKER:** I think we're on Item 5.

9 **MR. HOCHSCHILD:** Excuse me, Item 5, City of
10 Placerville. My mistake. Sorry

11 **MR. PEÑA:** You had me worried there for a second.

12 **MR. HOCHSCHILD:** Yeah, sorry.

13 **MR. PEÑA:** Good morning, Commissioners. My name is
14 Nelson Peña, and I'm with the Local Assistance &
15 Financing Office of the Energy Efficiency Division.

16 Today I am here to request approval for
17 approximately \$784,000 of Energy Conservation ACT, also
18 known as ECAA loan, at one percent interest to the City
19 of Placerville.

20 The City of Placerville will use this loan to
21 implement and replace existing lighting and heating
22 ventilation and air conditioning, HVAC. The project
23 includes the following: interior and exterior lighting;
24 lighting controls; HVAC for three separate municipal
25 buildings, which include: the new city hall, town hall,

1 public safety building.

2 Upon completion of this project, it will reduce
3 about 321 megawatt hours of grid electricity consumption
4 annually and an estimate \$60,000 in savings in utility
5 costs annually.

6 Based -- based on the loan amount and utility cost
7 savings, the simple payback is approximately thirteen
8 years. The proposed loan is in compliance with the
9 statutory requirements of the ECAA loan program. We
10 recommend your approval of the loan, and I'm happy to
11 answer questions that you may have. Thank you.

12 **MR. HOCHSCHILD:** Thank you.

13 Is there any public comment on the room -- in the
14 room or on the phone?

15 Hearing none, let's turn it over to Commissioner
16 McAllister.

17 **MR. MCALLISTER:** So Nelson, thanks a lot. This is a
18 great project. Placerville has done a good job of
19 putting it together, so -- and I know you guys are very
20 rigorous in your evaluations, so no need for further
21 comment. I think this is a good project, so any other --
22 all right, I'll move that (indiscernible).

23 **MS. SCOTT:** Second.

24 **MR. HOCHSCHILD:** All in favor?

25 **MR. MCALLISTER:** Aye.

1 **MS. SCOTT:** Aye.

2 **MR. HOCHSCHILD:** Aye. Staff is unanimously -- Item
3 6, Bringing Rapid Innovation Development to Green Energy.

4 **MS. SALAZAR:** Good morning, Commissioners. My name
5 is Rachel Salazar, and I work in the Energy Research and
6 Development Division. I'm here requesting two new grants
7 agreements from the ethics solicitation entitled:
8 Bringing Rapid Innovation Development to Green Energy, or
9 BRIDGE for short.

10 As you know BRIDGE provides follow on fundings to
11 the most promising early stage technologies who've
12 received the previous award from eligible federal
13 agencies or Energy Commission research programs.

14 The solicitation concept stemmed from ongoing
15 coordination with the Department of Energy's ARPA-E
16 program and allows startup companies to continue
17 development of their technologies without having to wait
18 years for a specific topic solicitation to become
19 available.

20 I will now give you a brief overview of the
21 agreements being considered today. The first agreement
22 for your consideration is with Porifera, Incorporated.

23 Porifera has made significant advances in the
24 development of their concentrator, which is a membrane
25 system that uses forward osmosis to gently extract water

1 from fruit, creating concentrates with more natural
2 color, taste, and nutrients than are conventionally
3 produced using heat.

4 Membrane systems have been used to produce
5 concentrates in the food and beverage industry, but
6 struggled with fouling, or clogging of the membranes.
7 This limits their ability to create high concentrations.
8 Thermal evaporators are the more conventional choice, but
9 are very energy intensive and heat tends to damage the
10 product.

11 The forward osmosis technology resists fouling,
12 allowing it to create higher levels of concentration than
13 traditional membrane systems, and a significantly less
14 energy -- sorry, uses significantly less energy than
15 evaporators. Porifera estimates that each facility
16 replacing a thermal evaporator with their PFO
17 concentrator system will realize a forty to eighty
18 percent energy savings. Additionally, the concentrator
19 has a much smaller footprint than the evaporators and can
20 increase water reuse for onsite purposes.

21 For this project, Porifera will optimize and
22 demonstrate their concentrator at a watermelon plant
23 located in the Central Valley during three growing
24 seasons, and this is typically the July through October
25 timeframe. They will conduct analysis on the juice

1 concentrate samples as well as the system's performance,
2 and make improvements to the system during the off-
3 seasons. Additionally, Porifera has partnered with the
4 U.S. Department of Agriculture to demonstrate the
5 system's application for other products, such as freeze-
6 dried powders. Finally, they will conduct economic
7 analysis for the energy and cost savings.

8 The second agreement is also with Porifera, this
9 time to advance their recycler system with new
10 capabilities for the treatment of high-starch wastewater.

11 Affordable water is a pain-point for many
12 facilities, especially those located in water-stressed
13 areas. And this is because of water disposal -- I'm
14 sorry -- waste disposal and water sourcing fees continue
15 to rise in these areas. The recycler system uses both
16 forward and reverse osmosis to convert the starchy
17 wastewater into clean water that is ready for onsite
18 reuse, and produces a waste concentrate that can be used
19 as a feedstock for biogas production. This can reduce
20 energy usage by thirty to fifty percent, and provide
21 significant cost savings to the processors. Porifera
22 estimates that with a fifteen percent market penetration
23 the recycler system can save around 237 megawatt hours
24 and 110 million gallons of water annually.

25 Under this agreement, Porifera will complete the

1 design and optimization of their prototype recycler
2 system, and perform small-scale testing at up to three
3 plant -- Frito Lay processing plants located in Southern
4 California and the Central Valley. Analysis on the
5 energy savings and increased reusable water volumes will
6 also be performed.

7 And that completes my presentation. I'm ready to
8 answer any questions you have -- may have.

9 **MR. HOCHSCHILD:** Thank you.

10 Any questions for Rachel? All right. Are there any
11 public comments from folks in the room or on the phone?

12 If not let me just say, I've been -- in the two
13 weeks I've been serving as Chair I've been walking around
14 to every division to meet every staff member I can, and
15 I've done visits to Transportation, Efficiency and
16 Siting, and to the EPIC team. And I just want to say
17 that folks doing the programs, I'm just enormously
18 impressed and continue to be really excited about the R&D
19 we're advancing here in California, particularly in the
20 agriculture sector.

21 The other piece of good news is, we just put out our
22 renewable energy and agriculture program solicitation and
23 we're already over subscribed for that, which is great.
24 And both in the case of that program, REAP, and in the
25 case of this good program, BRIDGE, you got a good

1 acronym. I think that may have something to do with it.

2 So thank you for all your work.

3 If someone would like to make a motion, I think we

4 can --

5 **MS. SMITH:** We actually have --

6 **MR. HOCHSCHILD:** Oh, I'm sorry.

7 **MS. SMITH:** -- Olgica here (indiscernible).

8 **MR. HOCHSCHILD:** Did I -- my apologies.

9 Yeah, would you like to make some comments? Yeah.

10 **MS. BAKAJIN:** (Indiscernible).

11 **MR. HOCHSCHILD:** Is that -- you put the button.

12 Yeah.

13 **MS. BAKAJIN:** Yeah. Here we go. My name is Olgica

14 Bakajin, and I am the CEO of Porifera. So we are really

15 excited about these new grants, and we're extremely

16 grateful to the Commissions for the support and for --

17 we're looking forward to demonstrating these technologies

18 and for having more food and beverage manufacturers adopt

19 our technology and eventually save energy in California.

20 So thank you very much.

21 **MR. HOCHSCHILD:** Okay. Congratulations, and we wish

22 you well.

23 Is there a motion?

24 **MS. DOUGLAS:** Mr. Hochschild?

25 **MR. HOCHSCHILD:** Yeah.

1 **MS. DOUGLAS:** Before a motion is made, I just want
2 to make sure that there's a correction on the record that
3 goes along with your motion. For Item 6(a), the proposed
4 resolution, in fact, does not apply to this project. I
5 think just an inadvertent conclusion of a different
6 resolution, so for the motion I would just ask that you
7 make a motion approving the item subject to the
8 substitution of the correct resolution for Item 6(a).

9 **MR. HOCHSCHILD:** Thank you. Can someone make a
10 motion to that affect?

11 **MR. MCALLISTER:** So what -- do we have a new number
12 of the resolution or I guess --

13 **MS. DOUGLAS:** It's not so much about the number.
14 The attachment before you --

15 **MR. MCALLISTER:** Okay.

16 **MS. DOUGLAS:** -- relates to a different matter
17 prior.

18 **MR. MCALLISTER:** Oh. I got you.

19 **MS. DOUGLAS:** And so what I'm suggesting is that you
20 go ahead and approve the item subject to substitution of
21 the correct resolution.

22 **MR. HOCHSCHILD:** Okay. Can someone make a motion to
23 that affect?

24 **MR. MCALLISTER:** All right. I'll move this item
25 subject to the substitution of the correct resolution.

1 **MR. HOCHSCHILD:** Is there a second?

2 **MS. SCOTT:** Second.

3 **MR. HOCHSCHILD:** All in favor say "aye".

4 **MR. MCALLISTER:** Aye.

5 **MS. DOUGLAS:** Aye.

6 **MS. SCOTT:** Aye.

7 **MR. HOCHSCHILD:** This motion passes unanimously.

8 Please, let's move on to Item 7.

9 **MS. BAHREINIAN:** Good morning, Commissioners,
10 Stakeholders. My name is Aniss Bahreinian, I'm in the
11 Transportation Issue Forecasting Unit in the Energy
12 Assessment Division, and I'm the contract manager of the
13 2018/2019 California Vehicle Survey.

14 Energy Commission periodically conducts a survey of
15 California light-duty vehicle owners to assess changes in
16 consumer taste and preferences for light-duty vehicle
17 owners in both residential and commercial market
18 segments. Energy Commission uses the survey results to
19 update the (indiscernible) forecast of conventional and
20 alternative fuel vehicle demand in California, and has
21 been collaborating with ARV -- we have been collaborating
22 with ARV since the solicitation process for this project,
23 and we jointly awarded resource -- awarded the project to
24 resources systems group to carry out the survey -- to
25 execute the survey.

1 The ARV and Energy Commission collaboration has
2 influenced both the design of the survey, as well as the
3 timeline of the survey so that it enables ARV to use the
4 survey results to inform the 2020 rulemaking.

5 With me is Melanie Zauscher of the Energy -- I'm
6 sorry -- Air Resources Board and she is the lead staff on
7 this inter -- proposed inter-agency agreement and she
8 will be making brief remarks in support of this inter-
9 agency agreement and how ARV plans to use the survey
10 results.

11 This resolution would approve an inter-agency
12 agreement between the Energy Commission and California
13 Air Resources Board that would intake CARB contribution
14 of \$250,000 to the Energy Commission's California Vehicle
15 Survey funding. CARB has requested to enter in this
16 agreement because they are also interested in the survey
17 results and they plan to use the survey results. I'd be
18 happy to answer any questions that you might have, and
19 Melanie is here with me to make additional remarks.

20 Any questions for me?

21 **MR. HOCHSCHILD:** No, I'm good, but thank you.

22 Let's go to Melanie.

23 **MS. BAKAJIN:** Thank you.

24 **MS. ZAUSCHER:** Good morning, Commissioners. Yes,
25 I'm from the California Air Resources Board, and as we've

1 done in previous years, we are very -- we have been
2 collaborating with your staff on the California Vehicle
3 Survey because it is useful for multiple programs of
4 ours.

5 We are even happier this year, as I'm sure you are,
6 that we are able to contribute financially to this
7 effort. The results from the survey will provide
8 valuable and timely insight into the impacts of
9 regulations and incentives in the vehicle market.
10 Specifically, it will inform CARB's regulatory efforts to
11 reduce vehicular emissions and the design of future clean
12 vehicle programs.

13 Thank you.

14 **MR. HOCHSCHILD:** Great. Thank you, both. Any
15 comments from the public in the room or on the phone?

16 Okay. Is there a -- do we need to approve this or
17 is this -- yeah, we need to -- yeah.

18 **MS. SCOTT:** So I'll just note, very -- thank you,
19 Melanie, for being here, and to Energy Commission staff
20 and Air Resources Board staff for working so closely
21 together on this. I know that this is an important data
22 step for all kinds of statewide analysis, both at Energy
23 Commission and Air Resources Board, and probably others
24 use as well. So we appreciate the collaboration, and as
25 you noted, the financial contribution.

1 If we don't have questions, I will move approval of
2 Item 7.

3 **MR. MCALLISTER:** Second.

4 **MR. HOCHSCHILD:** All in favor say "aye".

5 **MR. MCALLISTER:** Aye.

6 **MS. DOUGLAS:** Aye.

7 **MS. SCOTT:** Aye.

8 **MS. BAKAJIN:** Thank you, very much.

9 **MS. SCOTT:** Thank you.

10 **MR. HOCHSCHILD:** This motion passes unanimously.

11 So at this time we are going to go into closed
12 session as specified in Agenda Item 10(a) (vi and vii),
13 which provides notice, the Commission will adjourn to
14 closed session with its legal counsel pursuant to the
15 Government Code section 11126(e), to discuss the
16 following litigation towards the Energy Commission as a
17 party: Helping Hand Tools vs. California Energy
18 Commission and Vantage Data Centers LLC, and Okemiri vs.
19 California Energy Commission.

20 We anticipate returning in thirty minutes, is that
21 correct?

22 **MS. SMITH:** That is correct. I just want to make
23 one clarification for the record.

24 **MR. HOCHSCHILD:** Yes.

25 **MS. SMITH:** The Okemiri matter is 10(a) (viii). I think

1 (Indiscernible).

2 **MR. HOCHSCHILD:** Excuse me, 10(a)(viii). Thank you.
3 I don't know what I'd do without you, Courtney.

4 So with that, we will convene just here in the
5 Commissioner's anteroom, and we'll meet you back here,
6 let's call it, ten past 11:00.

7 (Legal counsel conference)

8 **MR. HOCHSCHILD:** (audio begins mid-sentence) -- come
9 back to order if we could. We are back from closed
10 session. Let's move on to Item 8, Minutes.

11 **MS. SCOTT:** Move approval of minutes.

12 **MR. HOCHSCHILD:** Is there a second?

13 **MS. DOUGLAS:** Second.

14 **MR. HOCHSCHILD:** All in favor say "aye".

15 **MR. MCALLISTER:** Aye.

16 **MS. SCOTT:** Aye.

17 **MR. HOCHSCHILD:** Minutes passed unanimously. Let's
18 move on to lead Commissioner -- presenting member
19 reports.

20 Commissioner Scott -- Vice Chair Scott.

21 **MS. SCOTT:** Great. Well, not too much to report.

22 Our last meeting wasn't actually too long ago, and sadly
23 I caught that flu going around and was out for a few
24 days, but feeling much better now.

25 I just really wanted to say how pleased I am to be

1 designated Vice Chair by Governor Newsom. I'm just --
2 I'm really excited about it. I look forward to
3 continuing the work with all the fantastic staff at the
4 Energy Commission in this new role, and all of our
5 interested and engaged stakeholders, so I'm very much
6 looking forward to that and just wanted to say so
7 before -- on the record. So thanks.

8 **MR. MCALLISTER:** Great. All right. Well, I wanted
9 to just start out by saying, congratulations to David --

10 **MS. SCOTT:** Oh, congratulations. Yeah.

11 **MR. MCALLISTER:** -- to Chair Hochschild and for
12 stepping up to the chair role, so -- are hitting the
13 ground running I see, and hopefully the firehouse isn't,
14 you know, blowing out your teeth or anything.

15 So -- and also to Vice Chair Scott, so it's
16 really -- it's been a great pleasure working with both of
17 you, and so I, you know, just wanted to -- the new order
18 is a good one. So congrats.

19 Really, just a couple other things to say. I went
20 down to -- just a week or so ago to the AIA meeting in
21 Los Angeles and all the architects -- you know, a lot of
22 really cutting-edge architects, and one of the themes
23 they were talking about was ZeroNet.energy, and just
24 helping to demystify the new code update and just hearing
25 what all of them had to say.

1 The excitement in the room -- just about how
2 they're -- they kind of feel like they have more of a
3 carte blanche -- or more of a -- kind of mandates to
4 bring to their clients really advanced designs, you know,
5 for their buildings. And it's residential and non-
6 residential both, and so they are kind of -- there's some
7 synergy there with the actual mandatory code. Now, you
8 have -- some of the complexity issues are still there,
9 and they -- you know, they certainly have plenty to
10 complain about in terms of, you know, the rules and how
11 detailed they are and sort of -- they miss some stuff
12 when they go through and have to correct things.

13 And we're working on improving the usability of the
14 code, but I think there's just -- there's a lot of good
15 market movement towards sustainable new construction. So
16 that was really good to see.

17 The forecast is up and -- is off and running. We
18 did a -- with Commissioner Scott and former Chair
19 Weisenmiller, we did a workshop on that, and just lots of
20 information coming in. You know, there's a big, big list
21 we're trying to kind of reform, update the methodology of
22 the forecast. It's a lot of detail, you know, and if you
23 don't have to know it, you probably don't know it, and
24 that's just as well. But just a lot of really smart
25 stakeholders helping us get the forecast right, and

1 certainly, keeping in mind (indiscernible) need, and
2 needs -- and the PSE's needs so it's forecast can really
3 be used by all three agencies in a rigorous way.

4 So that's good to get going for this whole IBER
5 year. And then finally, I wanted to just flag a couple
6 of things at the national level. Recently, the
7 Department of Energy came out with a couple of purposed
8 rules on energy -- that affect energy efficiency -- that
9 are part of the energy efficiency activities there.

10 One of them changes the process by which DOE
11 develops and updates energy efficiency rules, and
12 essentially gives DOE just a lot more leeway to -- if
13 they want, not do anything. It stretches out timeframes,
14 focuses more on industry proposals, and it's just sort of
15 opening up the process to be a little looser. So I think
16 that advocates, including us, think that's a bad idea.

17 And then, on light bulbs, rolling back the light
18 bulb standard that we've taken advantage of to put a back
19 stop -- efficiency back stop in at forty-five limits per
20 watt, and then the definition -- some changes to the
21 definition of what general service lighting actually is.

22 And both of those things are potentially going to
23 really sacrifice a lot of savings that we've been
24 counting on in the state, and so I'm -- you know, really
25 kind of undermining our authority and our expectations

1 about what would happen in the future. So --

2 **MR. HOCHSCHILD:** We would be pre-empted --

3 **MR. MCALLISTER:** Yeah. So it expands --
4 essentially, the change of definition expands pre-emption
5 to not let us do some things that we had counted on
6 doing. So -- you know, kind of high level. It was a lot
7 of detail on both of these things, but you know, the
8 savings that we have -- that we've counted in some ways,
9 you know, aren't going to be there. And I think there's
10 a -- pretty much locked arms in the advocacy community,
11 and just in the general efficiency community, you know,
12 not even sort of bold advocates, you know. It's just,
13 okay, this is just good business to make sure that we
14 have efficient lighting and to, you know, phase out the
15 incandescent and that's going to take longer and not be
16 as complete as it would have been.

17 So anyway, that -- the update really, is just that
18 lots of people writing comments in. I'm not clear how
19 much openness there is to actually sort of changing
20 course at this point. You know, they may have kind of
21 decided what they're going to do and they're going to
22 just do it. But I think it's good to collaborate with
23 all the other stakeholders and, you know, put in our own
24 comments to help really keep staking down our position
25 that we want the efficiency that's cost effective and

1 that it's the right thing to do.

2 Obviously, NASEO has been interested -- keeping up
3 to date on that -- on the Alliance to save energy and
4 basically triple E and all our partners -- all the folks
5 that we, you know, work with in the efficiency realm. So
6 that's my update.

7 **MR. HOCHSCHILD:** Great. Can I just ask you -- so
8 you've been chairing NASEO, which is terrific --

9 **MR. MCALLISTER:** Yeah. So --

10 **MR. HOCHSCHILD:** How are you able to continue in
11 that capacity?

12 **MR. MCALLISTER:** So it's a two-year term. It
13 started last September.

14 **MR. HOCHSCHILD:** Okay.

15 **MR. MCALLISTER:** So it's another year and a half --

16 **MR. HOCHSCHILD:** In term.

17 **MR. MCALLISTER:** -- you know, or so. Yeah. And you
18 know, NASEO, since it's all fifty states and six
19 territories, it's not necessarily going to be the one
20 that just gets out front of all these issues, because you
21 know, you do have to make sure that you've got buy in.
22 There's a little bit of the United Nations. You know, a
23 little bit -- certain issues go a little bit, least
24 common denominator.

25 But in terms of appliance efficiency standards and

1 building standards, the sort of informational
2 landscape -- you know, distribution system planning, a
3 lot of issues that are near and dear to us here in
4 California, they really are common across the states.
5 You know, people see common sense just, get it done, good
6 government kind of things happening. And NASEO is really
7 good at marshalling those sorts of themes and getting
8 people behind them and getting movement on the hill.

9 So -- but it sort of tends to be, you know, less --
10 it looks less like advocacy and more like consensus
11 building. And so, you know, I like that approach because
12 I feel like it really has a broad impact that's lasting,
13 and there's a role for everybody in there. I mean, the
14 alliance, in particular, I see Triple E and others
15 really, really hammer on the issues in a very high-
16 profile way. And as -- you know, I think all of the
17 above is really the good -- the best approach. You know,
18 let everybody have their approach and whichever one's
19 effective is the one we're going to like best for that
20 issue. So yeah.

21 **MR. HOCHSCHILD:** Thank you so much for serving in
22 that capacity. That's a great platform for the Energy
23 Commission for you.

24 Commissioner Douglas?

25 **MS. DOUGLAS:** All right. Well, thank you. I am

1 going to keep this super brief. I'll join Commissioner
2 McAllister in welcoming our new chair and vice-chair in
3 congratulating them, and just looking forward to, you
4 know, more great work here at the Energy Commission.

5 Thank you.

6 **MR. HOCHSCHILD:** All right. So the experience the
7 last two weeks has been a little bit like stepping into
8 Niagara Falls and opening your mouth and looking up.
9 That's what it's felt like.

10 But just to share a little bit of what I've been
11 spending time on. So we have initiated these division
12 reviews, which have been really helpful just getting
13 those going. So basically, for me to get a chance to get
14 up to speed on all the activities and the different
15 programs that are being run here, and looking for where
16 the areas where there's potential gaps between both
17 within the agency and between agencies and areas of
18 potential duplication and anything else we can be doing
19 to better support our mission.

20 We've done a couple of these so far. I'm on travel
21 much of the rest of this week, but we have more scheduled
22 for the week following. And I've been, now, to almost
23 every division. I still have to do a few, including
24 chief counsel's office, doing these walkthroughs. It's
25 been wonderful.

1 One observation by the way, it's extraordinary how
2 many folks we have working at the Commission that are
3 born in another country and come here. And you know,
4 with what's happening in our country right now, and
5 really, it's just unfortunate demonization of immigrants,
6 particularly first-generation immigrants. I just want to
7 say again how lucky we are to have so many people come
8 into California and make these contributions. It's my
9 experience coming out of Silicon Valley, you know, the
10 best innovations were almost always coming from first-
11 generation immigrants.

12 You know -- and Steve Jobs, right, the son of Syrian
13 immigrant, right. And we want to celebrate that and
14 uplift that and -- you know, the welcome mat is out at
15 the Energy Commission for immigrants coming to California
16 who want to put their talents to service for the public
17 interest. And I just want to say how grateful I am for
18 all their contributions.

19 I've been spending some time on, actually, the
20 building itself. We have twenty-two leaks on the third
21 floor and fourth floor. We're going to get those fixed.
22 I met with the head of DGS, Dan Kim. We're working to
23 make some other improvements on common space and public
24 space here, including the former cafeteria and some other
25 actions we're going to be taking just to make the space

1 more inviting and looking at how we can get more natural
2 light in. And I've been working closely with Drew and
3 Courtney and others on that.

4 One thing I wanted to ask all of you to begin
5 thinking about, and I've been meeting with President
6 Picker and Steve Burbick (ph.) at the ISO. What are
7 topics where it would make sense for us to have a joint
8 onbank, in particular with respect to the electric
9 sector, where those fifteen appointed commissioners could
10 actually get together. I think, you know, certainly
11 technology updates and what's happening with clean energy
12 technologies from offshore wind to efficiency and so
13 forth, but other topics where we could be meeting
14 together. I want to work to actually do an onbank where
15 get in some of these issues together. I think it's a lot
16 more efficient, and I think it's -- that's a worthy
17 enterprise.

18 So just I'd love for you to just get your wheels
19 turning on that, and let's talk about what we could
20 propose to those two agencies to do together.

21 Been also starting to engage with the philanthropic
22 community on how to align philanthropic gifts in
23 California with our climate strategy and just getting
24 that going. And then, I wanted also just to -- one thing
25 I'm going to try and do a little differently with the

1 Commission meetings, when able, is rather than just going
2 through and approving, you know, funding that's been
3 sorted out by staff, is to have periodically deeper dives
4 into particular areas of interest where we can have some
5 discussion together.

6 And for example, you know Commissioner Scott's been
7 leading this terrific initiative with our ports. All six
8 ports working on all kinds of interesting projects that
9 would be great, you know, as a subject to get an update
10 and overview and have some discussion. Commissioner
11 Douglas on offshore wind, you know, we're working,
12 obviously also, with the military and then even with our
13 international work. I had my first meeting of the ICAP
14 committee with Jerry Bloomingfield (ph.) and Mary Nichols
15 and Wade Croffet (ph.) and others on, you know, beginning
16 to look at what is the successor agreement or the
17 successor steps we want to take after (indiscernible).
18 Is there a successor conference to GCAS? Right, what
19 does that look like? Is that just beginning to think
20 through how to make the most of that.

21 We hosted sixty-six international delegations here
22 last year, and I just hosted one this morning from China.
23 We want to be doing a lot more of that, and we want to be
24 strategic about it as well. And some prioritization, I
25 think, you know there is a sort of gold standard to where

1 we can put together for the high-level delegations where
2 we take them to the Tesla factory and Google and the ISO
3 Operation Center and the legislature and so forth,
4 because we are not going to be successful if we don't
5 also help all these other folks be successful.

6 So then hip deep in many of those issues. And
7 again, really, please do have this new capability, come
8 in with Lindsay Buckley from ARB joining -- she starts on
9 Monday.

10 Finally, we do expect a new commissioner to be
11 appointed soon, I hope. And when that commissioner
12 starts, we'd really appreciate everyone's support in
13 getting them up to speed and oriented and welcoming the
14 new commissioner into the Energy Commission family.

15 And with that, we had a public comment, I think,
16 Steve Uhler again.

17 Yeah. Mr. Uhler, go ahead.

18 **MR. UHLER:** Thank you, Commissioners. I -- I
19 appreciate -- I -- I -- I like the Governor's choice of
20 Chair and Vice Chair. I like the addition of the -- of
21 the lawyer commissioner being related to Renewables.
22 I'm -- I'm really hoping that they'll be a review of
23 power content and power content label and see that the
24 public gets all the power content labels that they're
25 due. We have regulations that say, per tariff, we're

1 supposed to see a power content label, and I think it's
2 something that's being overlooked.

3 Also, just for the -- when the public comes here and
4 brings a device to look at your documents -- I mean, if
5 you're up there looking for fixing leaks in the building,
6 you might also see that Firefox can access those
7 documents. I was -- a stumbling block was placed in the
8 way, inadvertently no doubt, and I was giving a device
9 that I purposefully don't use because I -- I don't find
10 tablets to be very friendly. But particularly, after I
11 set up one machine to look at all that stuff, so I'd
12 appreciate you seeing that Firefox on any OS out there,
13 and don't suggest a for profit company like Google's
14 Chrome to be used. Let's have open-sourced stuff for
15 this -- for this.

16 And once again, I'm still waiting to find out how
17 your staff can waive my vantage in the law under civil
18 code 3513, maximum jurisprudence. They still haven't
19 produced these power content labels. This is a serious
20 thing. Although, this is in the RPS realm, because they
21 are related, I -- I don't know how -- whether or not a
22 product that I bought, thinking that it was not going to
23 be used for RPS is now used for RPS. You really need to
24 look at, when the -- when the legislature asks you to
25 regulate, that you write regulations and not allow it to

1 be susceptible. I should be able to find what exact
2 decision was made to allow the reduction, in this county
3 that has had the largest greenhouse gas increase of
4 counties, based on your queue for data; I should be able
5 to find out what renewables we have less of because
6 somebody was thinking they were buying more.

7 So please look into seeing that a regulation, or I
8 get the document that tells me where that -- those
9 renewables came from, so they can reduce their retail
10 quantity that they have to meet for RPS. Thanks.

11 **MR. HOCHSCHILD:** Thank you. Okay. Let's move on to
12 Item 10, Chief Counsel's report.

13 **MS. VACCARO:** I have nothing to report. Thank you.

14 **MR. HOCHSCHILD:** Let's move on to executive
15 director's report.

16 **MR. BOHAN:** Couple quick things. You know, we're
17 well into ledge season, which means we're well into
18 budget season, and I just want to say we've gotten
19 tremendous support from the Natural Resources Agency.
20 They're obviously going through a transition now, as is
21 Finance. We've gotten great support from Finance and
22 from the Governor's office to help fulfill our needs
23 through our budget change proposal, so we're grateful for
24 that support, and I just wanted to let you know that.

25 And finally, there today about quarterly. When we

1 get a critical mass of staff, we have what we call, new
2 employee orientation. It's going on as we speak in the
3 conference room by the back stairs there. I open it up
4 in the morning and say hello and welcome them and that
5 sort of thing, and the Chair has agreed to say a few
6 words later this afternoon. So I wanted to just share
7 that. Thank you.

8 **MR. HOCHSCHILD:** Let me make a request on that, and
9 this applies to the international delegations as well.
10 It just -- when we -- let me speak to the international
11 first. When we do that, I really would like -- whenever
12 it's possible for any of us on the commission has, even
13 if it's five minutes, just to welcome. I think it's a
14 really important gesture. And so I'd ask, going forward,
15 for that request just go out so that one of us can be
16 there. And the same for new employee -- I'll speak
17 today, to the group, but -- I don't know, it's -- how
18 many people is it?

19 **UNIDENTIFIED SPEAKER:** There's probably, almost
20 twenty.

21 **MR. HOCHSCHILD:** Twenty or something? But I mean, I
22 think it's a really important thing for them to hear from
23 us directly. So if we could make sure that all of the
24 commissioners are invited, one of us can cover that going
25 forward.

1 **MR. BOHAN:** And they love it.

2 **MR. MCALLISTER:** It really means a lot --

3 **MR. BOHAN:** Yeah.

4 **MR. MCALLISTER:** -- for some of them.

5 **MR. BOHAN:** Yeah.

6 **MR. MCALLISTER:** It may be the only opportunity that
7 they actually meet with one of you, so it's great --

8 **MR. BOHAN:** Yeah.

9 **MR. MCALLISTER:** -- in the near future anyway.

10 **MR. BOHAN:** Yeah.

11 **MR. MCALLISTER:** It's a great opportunity.

12 **MR. HOCHSCHILD:** Great, thank you. Let's move on to
13 public advisory report.

14 **MS. MATTHEWS:** Good afternoon. So there are two
15 things that I want to highlight. The first is, this
16 Friday, our disadvantage communities' advisory group will
17 have a meeting -- a teleconference meeting, so you all
18 are invited to join on the line if you want to enjoy
19 that. They are moving ahead very well and will have a
20 report, I believe, at our April business meeting on their
21 recommendations, which is their statutory
22 responsibilities.

23 And then, again, congratulations to our Chair and
24 our Vice Chair and our continuing commissioners. I'm
25 very excited. The public advisor's office, we are

1 planning a number of outreach activities to support the
2 divisions, and I think we've seen a uptick in numbers for
3 one particular program and application because of our
4 community outreach, and we're looking forward to
5 expanding that for all other divisions.

6 **MR. HOCHSCHILD:** Thank you.

7 Mr. Uhler, you were on the public comments for Item
8 9, which you did, and also for Item 12. Did you want to
9 speak again?

10 **MR. UHLER:** Yeah. Just related to the public
11 advisor, I -- it'd be nice to have a page -- apparently,
12 what's happening here is not on the docket. So yeah, you
13 kind of -- it's like not on the docket. I was trying to
14 find documents using that tablet, you know. So if you
15 can fix the situation where I don't have to use a foreign
16 device that would be helpful.

17 But the public advisor also seemed to like, well,
18 you're only asking for this, so you can only see this,
19 and you should go to the library and such. The -- I know
20 this is -- I hear from -- on the radio, this is Sunshine
21 Week, Transparency. You're -- you should really work
22 more towards the public coming here because, you know,
23 we're the ones -- the public in general, 39 million
24 people, are using that energy that you hope to control in
25 some way to reduce our greenhouse gases.

1 So a public advisor might take an eye to setting up
2 the site -- I've even found a document that references --
3 it seems to be like, eight years ago, telling us how to
4 do things and who to talk to. So yeah, I would -- I
5 would appreciate the public advisor thinking more of the
6 public, and not trying to figure out a reason why you
7 could say that you didn't provide me with a document at
8 this meeting today, and think -- yeah, just basically
9 that. Thank you. Steve Uhler, U-H-L-E-R.

10 **MR. HOCHSCHILD:** Thank you.

11 With that -- oh, are there any other public comments
12 from anyone else in the room or on the phone?

13 Hearing none, we're going to adjourn in memory of
14 Richard Maullin and Nellie Yung-Weeks, so let me say a
15 little bit about each of them.

16 Richard Maullin passed away --

17 **MR. UHLER:** Excuse -- excuse me?

18 **MR. HOCHSCHILD:** Yeah.

19 **MR. UHLER:** I made a comment on the agenda item of
20 the public advisor. I also have an agenda item of public
21 comment.

22 **MR. HOCHSCHILD:** I have -- you just did that. So I
23 have you down for Item 9 and Item 12. Item 12 is public
24 advisor's report, and you just did that.

25 **MR. UHLER:** You should also have a card for 13. 3

1 and 13 were the --

2 **MR. HOCHSCHILD:** I don't have a 13, but feel free to
3 go ahead. I did not have that listed, but go ahead.

4 **MR. UHLER:** That was my initial cards given --

5 **MR. HOCHSCHILD:** Okay.

6 **MR. UHLER:** -- so you might --

7 **MR. HOCHSCHILD:** No, no item on that.

8 **MR. UHLER:** -- look to your staff.

9 **MR. HOCHSCHILD:** Go ahead.

10 **MR. UHLER:** I -- I've -- on power source disclosure
11 docket item, I think it's like OIR 1602 or whatever.
12 I've requested that the -- the staff provide the
13 regulation that they intend in the format that it
14 would -- in the clean format that it would look as you
15 would approve it, because they -- they provided a
16 document, it has so many markups that it's hard to tell
17 what they're saying. And I get a reply back that says,
18 no, we don't do that. We don't do that. And I'm
19 thinking in terms of quality management and debt process
20 here. They should actually produce this document because
21 if you -- if you take what's there and try to follow the
22 citing, you end up with -- it cites items that don't
23 exist -- that don't -- that don't exist.

24 Going through some other situations where you have
25 actually approved a regulation, you -- you've given a

1 paragraph the same number, one right after the other, and
2 I thought -- I looked into that to try to find out, well,
3 is this a scrivener error? That's an error that, you
4 know, somebody -- when they're typesetting. Well, it's
5 not a scrivener error. You actually voted for a
6 regulation that has two of the same items, so it --
7 it's -- it -- you have a style manual, it talks about
8 everything. Even the style manual references a -- like a
9 figure six for the stack, there is no figure six in
10 the -- in the document. So it would be good to go
11 through all of your processes for producing -- really
12 what you produce, your regulations, your reports and
13 stuff, and see that people: 1. Know that they're there,
14 because you have -- on the power source disclosure,
15 they're not following the style manual in a number of
16 occasions. And those kind of things, you know, that --
17 the law makers in the state they -- I mentioned before,
18 they named the library after Bernie Witkin, the state law
19 library. He came out with California Style Manual to
20 make it very efficient.

21 You have a lot of things to do. You could save a
22 lot of time, use a demo -- like a demi profound knowledge
23 process, total quality management, and improve your
24 process here as far as producing your documents. I
25 don't -- some of these are what we used to call, WOMs,

1 that's write-only memories. I don't think anybody ever
2 reads them.

3 So please look into seeing -- if you're fixing leaks
4 again -- seeing that people know that there are these
5 style manuals and -- and process. Thank you.

6 **MR. HOCHSCHILD:** Thank you.

7 And as I said, we're going to adjourn in memory of
8 two people. The first is Dr. Richard Maullin, who was
9 the first chair of the California Energy Commission,
10 appointed by Governor Brown in 1975. He met Governor
11 Brown at a party in Bogota, Columbia, beginning a
12 relationship that spanned over fifty years and worked
13 closely with Governor Brown in many capacities, including
14 as Deputy Secretary of State from 1971 to 1974, and most
15 recently as a member of the Board of Governors at the
16 California ISO. He is survived by his wife and two
17 daughters in whom he instilled a love a learning and good
18 food.

19 And the second person we're adjourning in memory of
20 is Nellie Yung-Weeks, who passed away recently surrounded
21 by her family and friends at the age of 68. She was a
22 talented artist and a loving, funny, thoughtful wife,
23 mother, and friend. Nellie was born Yuen Kai Yung on
24 November 21st, 1950 in Hong Kong to Koon Man Yung and
25 Joanna Szeto, and she was the third of their four

1 children. Her parents moved to Hong Kong from southern
2 China just before her birth, fleeing the revolution, and
3 she ultimately ended up in California, where she finished
4 her degree at San Jose State University, established
5 herself as an artist, community member, wife, and mother.

6 In June of 1980, she met the love of her life, Bill
7 Weeks, in Berkeley, where Bill was pursuing a master's
8 degree in electrical engineering. Their bond was
9 instantaneous; the first night they met, they stayed up
10 talking through sunrise. An artist and an engineer, they
11 had few hobbies in common, but felt a deep moral and
12 spiritual connection from the start, and they remained
13 life partners until Nellie's death.

14 In 1981, she moved to Menlo Park, where Nellie
15 continued freelance art work, started her watercolor
16 portfolio, and did illustrations in Sunnyvale, while Bill
17 worked as an engineer on research projects at SRI. And
18 their first daughter, Alicia, named after Bill's mother,
19 was born the following year. Their second daughter,
20 Terra, named after the Earth, was born in 1990. And they
21 then moved to Mountain View and then settled in Santa
22 Cruz.

23 Nellie was active in the school communities in Palo
24 Alto, Mountain View, and Santa Cruz. She excelled at
25 organizing events for students, families, and school

1 fundraising. And particularly, she believed that all
2 children should be able to access the outdoors, and
3 helped to raise funds so that 6th grade students at
4 Westlake Elementary could attend outdoor education camp.

5 I never had the good fortune to meet your mother,
6 Terra, but I heard about her from you. But I have had
7 the tremendous good fortune of getting to work with you,
8 and I just want to say, you know, we've had some losses
9 of people before their time, you know, this last few
10 years. And it's really -- it does feel like a robbery,
11 but I also feel very much that their spirit lives on in
12 us. And Terra, you know, you have said to me many times
13 how fortunate you feel to be here and to get to work
14 together, but you know the truth is that, that privilege
15 is mine.

16 Now, you -- you know, the spirit that you bring
17 every day to this work -- the energy, the vigor, the
18 grace, and the creativity, it touches everybody, inspires
19 me. You know, I hired you as a summer fellow two years
20 ago, and you know, just as I knew it, it's like every
21 single project you touched, turned to gold. And then,
22 you know, when Ken (ph.) and I had the opportunity to
23 bring on, you know, a new staff, it was like totally
24 clear. And you told me about your mother and all of her
25 wonderful qualities, and I just see that spirit in you,

1 and I know how incredibly proud she was of you and all of
2 us are too.

3 And you know, we're an agency, but we're also a
4 family and so when there's a loss like this we all come
5 together, and just so you know and your family knows,
6 your mother is in our thoughts and prayers.

7 We're adjourned.

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10 (End of Recording)

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