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CALIFORNIA ENERGY COMMISSION

TRANSCRIPTION OF RECORDED BUSINESS MEETING

MARCH 12, 2019

SACRAMENTO, CALIFORNIA

Present:  DAVID HOCHSCHILD, CHAIR
          JANE 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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TRANSCRIBED RECORDED BUSINESS MEETING

March 12, 2019

MR. HOCHSCHILD: (audio begins mid-sentence) --

starting. Commissioner Douglas will be with us in a few minutes. Let's start with the pledge of allegiance.

I pledge allegiance --

IN UNISON: -- to the flag of the United States of America, and to the Republic for which it stands, one nation under God, indivisible, with liberty and justice for all.

MR. HOCHSCHILD: Well, thank you. Welcome to my inaugural commission meeting as chair. I want to, again, extend my profound gratitude to former chair, Bob Weisenmiller, for all his support in the last few months and weeks as I've gotten up to speed, and to my colleagues for their patience as we get calibrated and get situated. I just want everybody to know, I'm really, really excited for the next chapter, what we can build together here in California and the clean energy future that we can create.

The energy industry is the most important industry in the world. Every other industry requires energy to operate. It is not possible to solve the climate change problem without changing the energy industry, and we're in a position of enormous leverage here. And it's a big
part of the reason why I wanted to stay and continue doing this work. We gave away, last year, over half a billion dollars to all these things that are helping contribute to a clean energy future, from the Prop 39 program, which Commissioner McAllister has run so ably; helping energy efficiency on schools and solar, to the clean transportation program, which our Commissioner Scott has run incredibly well, and so many other things. And I think it's a source of great pride.

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

And in terms of new talent, I wanted to take a minute at the start to announce my first new hire here in the form of Lindsay Buckley, who comes to us from ARB. Lindsay, raise your hand there. Where, for the last five years, she has worked with
Mary Nichols on communications. And we're having her come in to help do strategic communications, external relations, and help communicate, because even if we achieve 100 percent clean energy here and achieve the goals of the executive order, if other states and other nations are not following suit, we're not going to be successful. It's really a core part of what we're going to be engaged in here in the years ahead.

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

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

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

Do you consent?

MS. SCOTT: Second.

MR. HOCHSCHILD: All in favor say "aye".
MR. MCALLISTER: Aye.

MS. SCOTT: Aye.

MR. HOCHSCHILD: The motion passes three to nothing.

Let's go to Item 2: Marsh Landing.

Good morning.

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

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

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

NRG Marsh Landing, LLC filed a Petition March 26, 2018, to amend the final decision requesting installation of a battery energy storage system and associated equipment for Black Start capabilities. The Petition to
Amend is in response to the California Independent System Operator's selecting Marsh Landing as one of two facilities to provide needed Black Start capabilities in response to grid emergencies in the greater San Francisco Bay Area.

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

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

With seven new, and nine modified air quality conditions, along with one new worker safety and fire protection condition, the project would remain in
compliance with applicable regulations. In addition, the resulting project modifications would not affect any population, including the environmental justice population.

Staff is requesting that the Commission approve this petition and add the Battery Energy Storage system. Thank you. If you have any questions, staff is available.

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

MR. MCALLISTER: We have the --

MR. HOCHSCHILD: Oh, yeah.

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

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

MR. PIANTKA: Yes. Yes, it's a lithium-ion battery.
MR. HOCHSCHILD: Okay.

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

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

MS. DOUGLAS: Oh --

MS. SMITH: -- the public --

MS. DOUGLAS: -- I'm sorry.

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

MS. DOUGLAS: Good point.

MS. SMITH: -- line who might --

MR. MCALLISTER: Um-hum.

MR. HOCHSCHILD: Thank you. Yes.

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

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

Is there a second? No seconds.

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

MR. MCALLISTER: Aye.

MS. SCOTT: Aye.

MR. HOCHSCHILD: Any opposed? Any abstentions?
That passes unanimously.

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

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

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

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

Senate Bill X12 expanded the RPS to apply to POUs starting in 2011. With the passage of Senate Bill 100 last year, POUs are required to serve sixty percent of retail sales with eligible renewable energy resources by 2030, and must plan to procure 100 percent renewable and
zero carbon resources by 2045. For Compliance Period 2, the period covered by this report, the procurement target was twenty-five percent of retail sales by 2016.

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

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

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

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

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

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

Determining the Portfolio Content Category Classification includes a review of the POUs contracts, checking the facilities balancing authority interconnection, and verifying that the procurement satisfies all scheduling requirements. Staff determines
if the -- if each POU applied a sufficient amount of eligible renewable energy to meet its procurement target and portfolio balance requirements.

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

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

The staff draft reports were posted for public comment on February 14th, and two public comments were received. Staff considered these comments and determined that no changes to the RPS verification results reports were needed. The POUs Compliance Period 2 results show improvement when compared to the results of Compliance Period 1. So far, the number of POUs that met their RPS
procurement target this compliance period increased from twenty-six to thirty-four POUs. All forty POUs have met their portfolio balance requirements. The number of POUs that banked excess procurement increased to seventeen. The number of POUs that didn't meet their RPS procurement target and applied optional compliance measures decreased to six this compliance period. Of the forty-three POUs that reported RPS claims, one still has results in progress for Compliance Period 1, and three are still in progress for Compliance Period 2.

The Compliance Period 2 verification results are the first verification findings for POUs using the RPS online system. Staff used the verification methodology developed during Compliance Period 1 and updated the methodology during the Compliance Period 2 analysis. Compliance Period 2 had an additional five load serving entities that reported RPS claims and a 112 percent increase in procurement claims. However, due to the process improvements staff was able to complete the verification results thirty-four percent quicker than we did for Compliance Period 1. We're going to use our experience with the Compliance Period 2 verification to continue to improve our verification methodology and the RPS online system to further speed up the processing time of the Compliance Period 3 analysis.
Following adoption of the RPS verification results report, the Energy Commission's executive director will notify each POU that met all RPS requirements of its compliance determination. For the POUs that did not meet the procurement requirements, Energy Commission staff will begin evaluating optional compliance measures. Following the evaluation, staff will make a recommendation to the executive director. The executive director will notify POUs of a compliance determination and will follow the enforcement process as needed. Additionally, the remaining three POU's RPS verification results reports will be considered for adoption at a future business meeting.

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

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

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

Mr. Uhler?
MR. UHLER: Thank you, Commissioners.

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

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

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

I'm wondering is there some other regulation that they're running under? Could it possibly be what is known as an underground regulation? You -- under N, you're to -- to write regulations for this. I see no information in there telling us where these RPS credits came from and how they reduced retail sales, so in you considering whether or not to even vote on this, you --
you should consider whether or not the staff is using an underground regulation in order to -- to allow smudged reports on this.

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

MR. HOCHSCHILD: Yeah. This is public comment period.

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

MR. HOCHSCHILD: Yeah.

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

MR. HOCHSCHILD: Thank you for your comments.

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

Is there a motion to --

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

MR. HOCHSCHILD: Oh, yeah. Go ahead.

MS. DOUGLAS: -- comment.

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

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

All right. I will go ahead and move this item.
MR. HOCHSCHILD: Is there a second?

MS. SCOTT: Second.

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

MS. DOUGLAS: Aye.

MS. SCOTT: Aye.

MR. MCALLISTER: Aye.

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

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

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

Today's ordinance will be the twenty-first we've...
brought before the Commission under the 2016 Building Energy Efficiency Standards. Local governmental agencies wishing to enforce locally adopted energy standards must, by statute, apply to the Energy Commission for a finding that the local energy standards require buildings to obtain equal or greater energy efficiency than those mandatory statewide standards.

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

The ordinance adopts, and makes mandatory, many of the voluntary cool roof requirements from the 2016 Green Building Standards Code, which is otherwise known as Title 24, Part 11 or CALGreen. These standards will help reduce the urban heat island effect, improve air quality, and decrease the energy consumption in buildings.
For these reasons, staff recommends that the findings be approved and the Energy Commission Resolution be signed. I -- I -- I'm sorry. I skipped something. Los Angeles County staff also found that the ordinance is cost effective. This isn't very important and that has no significant negative impact on the environment. So for these reasons staff recommends that the findings be approved and the Energy Commission resolution be signed. I am available to answer any questions you have, as is via telephone Joshua Hussey Senior Engineer with the County of Los Angeles. Thank you.

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

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

MR. HUSSEY: Can I -- I just wanted to take this opportunity to thank Ingrid and the Energy Commission and the hard work that they've done in inventing our ordinance. It's something that's very important to --
not only to our board of supervisors here at Los Angeles County, but also to our chief sustainability officer with our county CEO office. So I just wanted to take this opportunity to thank you, and I am available if there are any -- any questions.

    MR. HOCHSCHILD: Great. Thank you.

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

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

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

    So any other comments?

    All right. I'll move Item 4.
MS. DOUGLAS: Second.

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

MR. MCALLISTER: Aye.

MS. SCOTT: Aye.

MR. HOCHSCHILD: That motion passes unanimously.

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

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


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

MR. HOCHSCHILD: Yeah, sorry.

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

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

The City of Placerville will use this loan to implement and replace existing lighting and heating ventilation and air conditioning, HVAC. The project includes the following: interior and exterior lighting; lighting controls; HVAC for three separate municipal buildings, which include: the new city hall, town hall,
Upon completion of this project, it will reduce about 321 megawatt hours of grid electricity consumption annually and an estimate $60,000 in savings in utility costs annually. Based -- based on the loan amount and utility cost savings, the simple payback is approximately thirteen years. The proposed loan is in compliance with the statutory requirements of the ECAA loan program. We recommend your approval of the loan, and I'm happy to answer questions that you may have. Thank you.

MR. HOCHSCHILD: Thank you.

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

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

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

MS. SCOTT: Second.

MR. HOCHSCHILD: All in favor?

MR. McALLISTER: Aye.
MS. SCOTT: Aye.

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

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

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

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

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

Porifera has made significant advances in the development of their concentrator, which is a membrane system that uses forward osmosis to gently extract water...
from fruit, creating concentrates with more natural color, taste, and nutrients than are conventionally produced using heat.

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

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

For this project, Porifera will optimize and demonstrate their concentrator at a watermelon plant located in the Central Valley during three growing seasons, and this is typically the July through October timeframe. They will conduct analysis on the juice
concentrate samples as well as the system's performance, and make improvements to the system during the off-seasons. Additionally, Porifera has partnered with the U.S. Department of Agriculture to demonstrate the system's application for other products, such as freeze-dried powders. Finally, they will conduct economic analysis for the energy and cost savings.

The second agreement is also with Porifera, this time to advance their recycler system with new capabilities for the treatment of high-starch wastewater. Affordable water is a pain-point for many facilities, especially those located in water-stressed areas. And this is because of water disposal -- I'm sorry -- waste disposal and water sourcing fees continue to rise in these areas. The recycler system uses both forward and reverse osmosis to convert the starchy wastewater into clean water that is ready for onsite reuse, and produces a waste concentrate that can be used as a feedstock for biogas production. This can reduce energy usage by thirty to fifty percent, and provide significant cost savings to the processors. Porifera estimates that with a fifteen percent market penetration the recycler system can save around 237 megawatt hours and 110 million gallons of water annually.

Under this agreement, Porifera will complete the
design and optimization of their prototype recycler system, and perform small-scale testing at up to three plant -- Frito Lay processing plants located in Southern California and the Central Valley. Analysis on the energy savings and increased reusable water volumes will also be performed.

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

**MR. HOCHSCHILD:** Thank you.

Any questions for Rachel? All right. Are there any public comments from folks in the room or on the phone? If not let me just say, I've been -- in the two weeks I've been serving as Chair I've been walking around to every division to meet every staff member I can, and I've done visits to Transportation, Efficiency and Siting, and to the EPIC team. And I just want to say that folks doing the programs, I'm just enormously impressed and continue to be really excited about the R&D we're advancing here in California, particularly in the agriculture sector.

The other piece of good news is, we just put out our renewable energy and agriculture program solicitation and we're already over subscribed for that, which is great. And both in the case of that program, REAP, and in the case of this good program, BRIDGE, you got a good
acronym. I think that may have something to do with it. So thank you for all your work.

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

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

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

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

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

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

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

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

Yeah.

**MS. BAKAJIN:** Yeah. Here we go. My name is Olgica Bakajin, and I am the CEO of Porifera. So we are really excited about these new grants, and we're extremely grateful to the Commissions for the support and for -- we're looking forward to demonstrating these technologies and for having more food and beverage manufacturers adopt our technology and eventually save energy in California. So thank you very much.

**MR. HOCHSCHILD:** Okay. Congratulations, and we wish you well.

Is there a motion?

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

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

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

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

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

MR. MCALLISTER: Okay.

MS. DOUGLAS: -- relates to a different matter prior.

MR. MCALLISTER: Oh. I got you.

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

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

MR. MCALLISTER: All right. I'll move this item subject to the substitution of the correct resolution.
MR. HOCHSCHILD: Is there a second?

MS. SCOTT: Second.

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

MR. MCALLISTER: Aye.

MS. DOUGLAS: Aye.

MS. SCOTT: Aye.

MR. HOCHSCHILD: This motion passes unanimously.

Please, let's move on to Item 7.

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

Energy Commission periodically conducts a survey of California light-duty vehicle owners to assess changes in consumer taste and preferences for light-duty vehicle owners in both residential and commercial market segments. Energy Commission uses the survey results to update the (indiscernible) forecast of conventional and alternative fuel vehicle demand in California, and has been collaborating with ARV -- we have been collaborating with ARV since the solicitation process for this project, and we jointly awarded resource -- awarded the project to resources systems group to carry out the survey -- to execute the survey.
The ARV and Energy Commission collaboration has influenced both the design of the survey, as well as the timeline of the survey so that it enables ARV to use the survey results to inform the 2020 rulemaking.

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

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

Any questions for me?

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

Let's go to Melanie.

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

***MS. ZAUSCHER:*** Good morning, Commissioners. Yes, I'm from the California Air Resources Board, and as we've
done in previous years, we are very -- we have been
collaborating with your staff on the California Vehicle
Survey because it is useful for multiple programs of
ours.

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

Thank you.

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

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

MS. SCOTT: So I'll just note, very -- thank you,
Melanie, for being here, and to Energy Commission staff
and Air Resources Board staff for working so closely
together on this. I know that this is an important data
step for all kinds of statewide analysis, both at Energy
Commission and Air Resources Board, and probably others
use as well. So we appreciate the collaboration, and as
you noted, the financial contribution.
If we don't have questions, I will move approval of Item 7.

MR. MCALLISTER: Second.

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

MR. MCALLISTER: Aye.

MS. DOUGLAS: Aye.

MS. SCOTT: Aye.

MS. BAKAJIN: Thank you, very much.

MS. SCOTT: Thank you.

MR. HOCHSCHILD: This motion passes unanimously.

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

We anticipate returning in thirty minutes, is that correct?

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

MR. HOCHSCHILD: Yes.

MS. SMITH: The Okemiri matter is 10(a)(viii). I think
MR. HOCHSCHILD: Excuse me, 10(a)(viii). Thank you. I don't know what I'd do without you, Courtney.

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

(Legal counsel conference)

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

MS. SCOTT: Move approval of minutes.

MR. HOCHSCHILD: Is there a second?

MS. DOUGLAS: Second.

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

MR. MCALLISTER: Aye.

MS. SCOTT: Aye.

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

Commissioner Scott -- Vice Chair Scott.

MS. SCOTT: Great. Well, not too much to report. Our last meeting wasn't actually too long ago, and sadly I caught that flu going around and was out for a few days, but feeling much better now.

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

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

MS. SCOTT: Oh, congratulations. Yeah.

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

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

Really, just a couple other things to say. I went
down to -- just a week or so ago to the AIA meeting in
Los Angeles and all the architects -- you know, a lot of
really cutting-edge architects, and one of the themes
they were talking about was ZeroNet.energy, and just
helping to demystify the new code update and just hearing
what all of them had to say.
The excitement in the room -- just about how they're -- they kind of feel like they have more of a carte blanche -- or more of a -- kind of mandates to bring to their clients really advanced designs, you know, for their buildings. And it's residential and non-residential both, and so they are kind of -- there's some synergy there with the actual mandatory code. Now, you have -- some of the complexity issues are still there, and they -- you know, they certainly have plenty to complain about in terms of, you know, the rules and how detailed they are and sort of -- they miss some stuff when they go through and have to correct things.

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

The forecast is up and -- is off and running. We did a -- with Commissioner Scott and former Chair Weisenmiller, we did a workshop on that, and just lots of information coming in. You know, there's a big, big list we're trying to kind of reform, update the methodology of the forecast. It's a lot of detail, you know, and if you don't have to know it, you probably don't know it, and that's just as well. But just a lot of really smart stakeholders helping us get the forecast right, and
certainly, keeping in mind (indiscernible) need, and
needs -- and the PSE's needs so it's forecast can really
be used by all three agencies in a rigorous way.

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

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

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

And both of those things are potentially going to
really sacrifice a lot of savings that we've been
counting on in the state, and so I'm -- you know, really
kind of undermining our authority and our expectations
about what would happen in the future. So --

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

MR. McALLISTER: Yeah. So it expands --

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

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

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

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

MR. MCALLISTER: Yeah. So --

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

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

MR. HOCHSCHILD: Okay.

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

MR. HOCHSCHILD: In term.

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

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

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

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

Commissioner Douglas?

MS. DOUGLAS: All right. Well, thank you. I am
going to keep this super brief. I'll join Commissioner McAllister in welcoming our new chair and vice-chair in congratulating them, and just looking forward to, you know, more great work here at the Energy Commission.

Thank you.

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

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

We've done a couple of these so far. I'm on travel much of the rest of this week, but we have more scheduled for the week following. And I've been, now, to almost every division. I still have to do a few, including chief counsel's office, doing these walkthroughs. It's been wonderful.
One observation by the way, it's extraordinary how many folks we have working at the Commission that are born in another country and come here. And you know, with what's happening in our country right now, and really, it's just unfortunate demonization of immigrants, particularly first-generation immigrants. I just want to say again how lucky we are to have so many people come into California and make these contributions. It's my experience coming out of Silicon Valley, you know, the best innovations were almost always coming from first-generation immigrants.

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

I've been spending some time on, actually, the building itself. We have twenty-two leaks on the third floor and fourth floor. We're going to get those fixed. I met with the head of DGS, Dan Kim. We're working to make some other improvements on common space and public space here, including the former cafeteria and some other actions we're going to be taking just to make the space...
more inviting and looking at how we can get more natural light in. And I've been working closely with Drew and Courtney and others on that.

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

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

Been also starting to engage with the philanthropic community on how to align philanthropic gifts in California with our climate strategy and just getting that going. And then, I wanted also just to -- one thing I'm going to try and do a little differently with the
Commission meetings, when able, is rather than just going through and approving, you know, funding that's been sorted out by staff, is to have periodically deeper dives into particular areas of interest where we can have some discussion together.

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

We hosted sixty-six international delegations here last year, and I just hosted one this morning from China. We want to be doing a lot more of that, and we want to be strategic about it as well. And some prioritization, I think, you know there is a sort of gold standard to where
we can put together for the high-level delegations where we take them to the Tesla factory and Google and the ISO Operation Center and the legislature and so forth, because we are not going to be successful if we don't also help all these other folks be successful.

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

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

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

Yeah. Mr. Uhler, go ahead.

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

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

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

-46-
be susceptible. I should be able to find what exact
decision was made to allow the reduction, in this county
that has had the largest greenhouse gas increase of
counties, based on your queue for data; I should be able
to find out what renewables we have less of because
somebody was thinking they were buying more.

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

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

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

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

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

And finally, there today about quarterly. When we
-47-
get a critical mass of staff, we have what we call, new
employee orientation. It's going on as we speak in the
conference room by the back stairs there. I open it up
in the morning and say hello and welcome them and that
sort of thing, and the Chair has agreed to say a few
words later this afternoon. So I wanted to just share
that. Thank you.

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

UNIDENTIFIED SPEAKER: There's probably, almost
twenty.

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

MR. MCALLISTER: It really means a lot --

MR. BOHAN: Yeah.

MR. MCALLISTER: -- for some of them.

MR. BOHAN: Yeah.

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

MR. BOHAN: Yeah.

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

MR. BOHAN: Yeah.

MR. MCALLISTER: It's a great opportunity.

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

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

And then, again, congratulations to our Chair and our Vice Chair and our continuing commissioners. I'm very excited. The public advisor's office, we are
planning a number of outreach activities to support the
divisions, and I think we've seen a uptick in numbers for
one particular program and application because of our
community outreach, and we're looking forward to
expanding that for all other divisions.

MR. HOCHSCHILD: Thank you.

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

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

But the public advisor also seemed to like, well,
you're only asking for this, so you can only see this,
and you should go to the library and such. The -- I know
this is -- I hear from -- on the radio, this is Sunshine
Week, Transparency. You're -- you should really work
more towards the public coming here because, you know,
we're the ones -- the public in general, 39 million
people, are using that energy that you hope to control in
some way to reduce our greenhouse gases.
So a public advisor might take an eye to setting up the site -- I've even found a document that references -- it seems to be like, eight years ago, telling us how to do things and who to talk to. So yeah, I would -- I would appreciate the public advisor thinking more of the public, and not trying to figure out a reason why you could say that you didn't provide me with a document at this meeting today, and think -- yeah, just basically that. Thank you. Steve Uhler, U-H-L-E-R.

MR. HOCHSCHILD: Thank you.

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

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

Richard Maullin passed away --

MR. UHLER: Excuse -- excuse me?

MR. HOCHSCHILD: Yeah.

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

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

MR. UHLER: You should also have a card for 13.
and 13 were the --

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

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

MR. HOCHSCHILD: Okay.

MR. UHLER: -- so you might --

MR. HOCHSCHILD: No, no item on that.

MR. UHLER: -- look to your staff.

MR. HOCHSCHILD: Go ahead.

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

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

You have a lot of things to do. You could save a
lot of time, use a demo -- like a demi profound knowledge
process, total quality management, and improve your
process here as far as producing your documents. I
don't -- some of these are what we used to call, WOMs,
that's write-only memories. I don't think anybody ever reads them.

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

**MR. HOCHSCHILD:** Thank you.

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

And the second person we're adjourning in memory of is Nellie Yung-Weeks, who passed away recently surrounded by her family and friends at the age of 68. She was a talented artist and a loving, funny, thoughtful wife, mother, and friend. Nellie was born Yuen Kai Yung on November 21st, 1950 in Hong Kong to Koon Man Yung and Joanna Szeto, and she was the third of their four
children. Her parents moved to Hong Kong from southern China just before her birth, fleeing the revolution, and she ultimately ended up in California, where she finished her degree at San Jose State University, established herself as an artist, community member, wife, and mother.

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

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

Nellie was active in the school communities in Palo Alto, Mountain View, and Santa Cruz. She excelled at organizing events for students, families, and school...
fundraising. And particularly, she believed that all children should be able to access the outdoors, and helped to raise funds so that 6th grade students at Westlake Elementary could attend outdoor education camp.

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

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

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

We're adjourned.

(End of Recording)
TRANSCRIBER'S CERTIFICATE

STATE OF CALIFORNIA  
COUNTY OF SACRAMENTO  

This is to certify that I transcribed the foregoing pages 1 to 57 the best of my ability from an audio recording provided to me.

I have subscribed this certificate at Phoenix, Arizona, this 19th day of March, 2019.

Abbey L. Roberts  
eScribers, LLC

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