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Andrew McAllister
Janea Scott

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Kourtney Vaccaro, Chief Counsel
Eunice Murimi, Public Advisor's Office
Cody Goldthrite, Secretariat

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Others Present (* Via WebEx)

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

- a. Claims filed at, and rejected by, the Victim Compensation and Government Claims Board against a number of defendants including the Energy Commission relating to the gas leak at Aliso Canyon.
- b. The U.S. Department of Energy's actions to delay effective dates and failures to complete certain energy conservation standards and test procedures for appliances.
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1 P R O C E E D I N G S

2 JULY 12, 2017

10:04 a.m.

3 COMMISSIONER DOUGLAS: Welcome to the Business
4 Meeting of the California Energy Commission July 12, 2017.
5 Please join us for the Pledge of Allegiance.

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

8 All right, before we start the Consent Calendar
9 we have a couple of disclosures. Do you want to start,
10 Commissioner McAllister?

11 COMMISSIONER MCALLISTER: Just a couple of items,
12 I want to just disclose my affiliation with UC Davis on
13 Item 1d and Item 11. My wife's a professor at King Hall,
14 the Law School of UC Davis, which is not involved in either
15 of these contracts, so there's no recusal required.
16 Thanks.

17 COMMISSIONER DOUGLAS: All right. And I will
18 join Commissioner McAllister in the same disclosure,
19 because I am an adjunct professor at UC Davis. I teach a
20 Renewable Energy Law course and I taught one this spring.
21 So again, in Items 1d and Item 11 UC Davis is involved, but
22 King Hall, the law school is not.

23 So with that do I have a motion on the Consent
24 Calendar?

25 COMMISSIONER SCOTT: Move approval of consent.

1 COMMISSIONER MCALLISTER: Second.

2 COMMISSIONER DOUGLAS: All in favor?

3 (Ayes.)

4 COMMISSIONER DOUGLAS: Item is approved
5 unaniously.

6 Let's go on -- let's see, we have nothing for
7 Item 2, so we'll go on to Item 3.

8 MS. VACCARO: Commissioner Douglas, before we
9 move forward, just for that record if we can make clear
10 that the Chair is not in attendance at today's meeting and
11 that these votes when you say, "Unanimous," you're meaning
12 that they are 4-0.

13 COMMISSIONER DOUGLAS: Thank you, Ms. Vaccaro.
14 So for this item and beyond when I say unanimous, I mean 4-
15 0. But the Chair is not in attendance.

16 All right, so let's go on to Item 3, Summer
17 Institute for Energy Law and Policy Presentation.

18 MR. MELGOSA: Good morning, Commissioners, ladies
19 and gentlemen. My name's Ty Melgosa. I'm a new student
20 intern for the Public Adviser's Office. I made a film for
21 the students of Florin LAW Academy. And so I'm going to
22 present that to you now and then the students will talk to
23 you.

24 (Video presentation: Energy Justice.)

25 VIDEO NARRATOR: "You may be familiar with the

1 term, environmental justice, which is treating people of
2 all races, ethnicities and different incomes fairly with
3 respect to the development and enforcement of environmental
4 regulation and policy. But there is something equally
5 important as environmental justice and deserves just as
6 much attention. We're talking about energy justice.

7 "California Energy Commission and the students of
8 Florin LAW Academy understand that no community should be
9 saddled with more energy burdens and less energy benefits
10 than the other. Allow me to further explain. These
11 communities that are saddled with disproportionate energy
12 burdens are those where primarily low-income residents and
13 minorities reside. The households in these disadvantaged
14 communities struggle to afford gas and electricity and may
15 lack the means to living a more energy-efficient life.
16 This is due to several reasons including, but not limited
17 to energy solutions that are far too costly; unavailable
18 means of energy-efficient fuel and transportation and a
19 lack of other resources, opportunities and research on
20 beneficial programs.

21 "On the contrary, the residents that come from a
22 wealthier and wider demographic tend to have more energy
23 benefits and less energy burdens compared to those in
24 disadvantaged communities. These are the households that
25 are not only able to just afford their gas and electricity

1 bills, but can also afford renewables such as solar panels
2 and even other things like electric vehicles. So while
3 residents of different demographics could even be living in
4 the same area code the differences in race, ethnicity and
5 socioeconomic status, may present entirely different energy
6 opportunities and hardships.

7 "Since electric and gas services are an essential
8 part to daily life it is fair that these services and means
9 to energy efficiency should be available to all households,
10 no matter what race, ethnicity or socioeconomic status. So
11 you're probably wondering what has been done about these
12 energy issues? And what does California plan to do to help
13 these disadvantaged communities?"

14 "RESEARCH: To further (indiscernible) research
15 we believe some programs could be looked into more. By
16 appropriating electric vehicles to programs such as Uber
17 and Lyft, we are exposing electric vehicles and renewable
18 energy overall to the low-income community.

19 "RENEWABLES: To improve renewables, the
20 California Energy Commission plans on continuing to make
21 solar panels more affordable for disadvantaged communities.
22 More companies are installing solar panels for free. And
23 families are able to pay for energy at a flat price.

24 "SITING: The California Energy Commission plans
25 on converting and upgrading all programs to produce new

1 (indiscernible) resources for siting.

2 "FUELS AND TRANSPORTATION: The California Energy
3 Commission plans on improving fuels and transportation by
4 by providing the lower-income communities with
5 infrastructure for hydrogen fuel cell vehicles.

6 "ENERGY EFFICIENCY: By improving energy
7 efficiency in California, we should inform people of the
8 benefits of having energy-saving appliances in their homes.

9 "VIDEO NARRATOR: Again, no matter where we are
10 all from we all need energy and all deserve fair energy
11 treatment.

12 "Thanks for watching."

13 (End of video presentation.)

14 COMMISSIONER DOUGLAS: Well thank you, Ty. I
15 didn't realize you were the producer.

16 MR. MELGOSA: Yes, I hope you liked it.

17 (Applause.)

18 MR. LEE: Good morning, Commissioners and ladies
19 and gentlemen. I am Lance Lee and I'll be representing
20 Florin High School's LAW Academy. We at the LAW Academy
21 would like to thank everyone at the Energy Commission for
22 having us and allowing us to expand our knowledge. Today,
23 we would like to talk about how we can make renewable
24 energy sources and energy-efficient technology more
25 accessible to low-income and disadvantaged communities.

1 MS. QUIJAS: Good morning, my name is Cristina
2 Quijas. As a student and member of a low-income and
3 disadvantaged community I noticed that we do not have many
4 renewable energy resources and it is most likely due to the
5 lack of information and exposure to renewables. I also
6 noticed that Florin High School would be a great place for
7 solar energy, because of the flat roofs that we have on our
8 buildings.

9 We have learned from Commissioner Hochschild that
10 renewables emit no greenhouse gases, they have an infinite
11 supply source, they cause no health problems, but they are
12 not always reliable. On the other hand, non-renewables are
13 reliable, but they emit CO2 and other greenhouse gases,
14 they have a limited supply source, they cause major health
15 problems, and they have long-lasting negative effects on
16 the environment.

17 MS. MENDOZA: Some benefits of renewable energy
18 are lower energy bills, improving the environment,
19 expanding employment opportunities and improving
20 environmental health. Some solutions that we came up with
21 were installing LED lights at our school, applying for
22 grants to reduce the cost, encouraging the Elk Grove
23 Unified School District to be more aggressive on
24 implementing renewable energy sources such as solar and
25 installing an electric car station, so students and staff

1 can engage in using more electric vehicles in the future.

2 MR. YANG: Good morning, I'm Eric Yang.

3 MS. DELSO: And I'm Alexis Delso.

4 MR. YANG: Deals in transportation, from John
5 Kato we learned that most cars on the road today have
6 internal-combustion engines and are responsible for a
7 majority of all greenhouse gas emissions. As you can see
8 on the pie chart the transportation sector is responsible
9 for 40 percent of all greenhouse gas emissions; therefore,
10 transforming the transportation sector is vital. In the
11 years, car manufacturers have developed new technology such
12 as electric and hydrogen fuel cell vehicles to mitigate
13 this.

14 MS. DELSO: Over the two weeks we were lucky
15 enough to be able to visit the California Fuel Cell
16 Partnership, where we learned that there are approximately
17 80 fuel cell vehicles on Sacramento roads today and only
18 one hydrogen fueling station.

19 We also spoke to Commissioner Scott who taught us
20 of their future goal of having 100 hydrogen fueling
21 stations throughout California when we currently only have
22 28.

23 MR. YANG: We are asking the Energy Commission to
24 invest a portion of its funds from the charging
25 infrastructure to be invested into the electrification of

1 public transportation.

2 We are also asking the Energy Commission to
3 expose new technologies to non-English speaking communities
4 via social media platforms.

5 MS. DELSO: We also recommend that there would be
6 an incentive program created for secondhand electric
7 vehicle buyers.

8 MR. SEN: Good morning, my name is Ronil Sen.

9 MS. LAGUNA: And I'm Angelis Laguna.

10 MR. SEN: Siting, today we're going to talk about
11 what we have learned from Commissioner Douglas and what we
12 think could help increase energy renewable use.

13 MS. LAGUNA: Commissioner Douglas enlightened us
14 with how much research is required to deem a suitable site
15 for power plants. Some of the solutions and ideas we have
16 come up with are converting old plants into renewable
17 plants. This would take up a space and it would also put
18 good use to abandoned power plants.

19 Another is the relocation of ecosystems. With
20 this, placing plants where there is less environmental
21 activity will both benefit us and the ecosystem.

22 MR. SEN: Also, other ways to increase energy use
23 is to have communities find better benefits such as giving
24 them a run-through on how energy-efficient technology works
25 and feels. Another is to have travel (phonetic)

1 communities be a part of discussions on where renewable
2 plants will be put, so that they could have better
3 beneficial benefits possibly.

4 MS. BONILLA: Hi. I'm Melissa Bonilla.

5 MR. ALFARO: Hi. And I'm Alejandro Alfaro.

6 MS. BONILLA: Up next we have efficiency.

7 What have we learned? From Commissioner
8 McAllister and the Efficiency Team we have learned that
9 California has been a world leader in efficiency. Some of
10 the things we have in California that are energy efficient
11 include appliances, building standards and transportation.

12 We also learned that energy efficiency is in the
13 aligned self-interest of low-income disadvantaged
14 communities. But why is that? Well, energy efficiency
15 improves the quality of life, it is cheaper in the long run
16 and lastly, energy efficiency can preserve energy for
17 future generations.

18 MR. ALFARO: Some solutions we came up with are
19 to inform people of energy use in the daily life, the use
20 of appliances that are efficient rather than energy-wasting
21 and to learn ways to be more energy efficient, such as
22 turning off light switches when they're not being used,
23 switching to LED lights and insulating your windows and
24 doors. And last, but not least, is to get people to come
25 out and have a community meeting and to talk about the

1 things that need to be changed.

2 MS. PEREZ: Good morning everyone, I'm Jacklyn
3 Perez. So last week we had Chris Wymer, the Librarian here
4 at the Commission, come talk to us in regard to research.
5 And we learned a few things from him. For one, we learned
6 how to get quicker search results as it pertains to energy
7 or anything in general. Using new search techniques, such
8 as a rolling (phonetic) technique or the databases much
9 like ScienceDirect.

10 We also learned about what ideas, technologies
11 and materials can be explored that will help California on
12 its 2020 goal to reduce emissions back to or under 1990
13 levels.

14 We had the opportunity to hear from Harvard
15 alumni Aisha Kurai, (phonetic) who happens to also intern
16 here at the Energy Commission. She took the time to inform
17 us on the research program that she was a part of. And she
18 mentioned that her center of focus was electric cars and
19 how they can impact California in the future as well as aid
20 us in our 2020 goal.

21 As we aim to bring the knowledge we gained of
22 energy efficiency back into our community, Ms. Kurai
23 explained to us that before implementing any ideas into our
24 community we must first look into any potential obstacles
25 in the process and take them into consideration. So taking

1 her group for example, they had to research and explore the
2 complications in electric cars like affordability for low-
3 income people or where to locate the charging
4 infrastructure, so it is accessible.

5 With this we learned that the path to energy
6 efficiency first begins with research.

7 MS. PLAZOLA: Good morning, I'm Kenia Plazola.
8 To further expand research we believe some programs should
9 be looked into further. By incorporating electric vehicles
10 into companies such as Uber and Lyft we will better expose
11 electric vehicles and renewable energy to the public
12 overall, but most importantly to low-income communities.

13 MS. ORTIZ: Good morning, my name is Resa Ortiz.
14 In order to assist low-income and disadvantaged communities
15 we, as the Florin High School LAW Academy students, have
16 formulated an Action Plan. One of the key barriers to
17 renewable energy sources is awareness. My colleagues and I
18 at the Summer Institute have committed to presenting three
19 symposiums, so we challenge you, ladies and gentlemen. I
20 would like to ask each one of you or one of your
21 representatives to commit to attending one of our three
22 symposiums, which will be held at Florin High School.
23 These sessions will consist of information on environmental
24 justice, fueling stations, fueling and transportation and
25 efficiency.

1 MR. LEE: In addition, we would like to present
2 these four principles in which we have created, based off
3 the guest speakers and inspirational leaders we have
4 encountered over our two weeks in this program, which are:
5 perceived limitations are really illusions, keep your eyes
6 and ears open, embrace uncertainty with exploration and
7 dream big dreams.

8 MS. ORTIZ: So to conclude we would like to thank
9 you all so much for having us here at the Commission. It's
10 been a wonderful two weeks. And it has allowed us to
11 expand our knowledge, so thank you for your time.

12 (Applause.)

13 COMMISSIONER DOUGLAS: Oh, thank you.

14 Go ahead.

15 COMMISSIONER HOCHSCHILD: Well, I want to thank
16 all of you for the terrific presentation and I enjoyed
17 visiting with you. I really just want say I think it's
18 really important at this stage of your life to reach out
19 and find mentors, okay? And you will be amazed when you
20 ask people, if you see someone in the working world that
21 you admire and want to learn from, if you ask if they'd be
22 willing to be your mentor how many people say yes. And I
23 know for all of us up here on the dais we all were very
24 fortunate to have people who helped show us the ropes and
25 helped give us guidance and advice. And I know in my case,

1 I just wouldn't be here without mentors. And so I really
2 wanted to encourage you, you know, if you see issues you're
3 passionate about and leaders you want to learn from and
4 grow from, to make that a priority and seek out mentorship.

5 And certainly we have opportunities here in the
6 summers for college students and graduate students to come
7 work as Summer Fellows. I have three in my office. I know
8 there's a number of others working with the different
9 Commissioners and there's plenty of opportunities here in
10 the energy sector. And the Energy Commission is just
11 really grateful to have you guys here. You guys are the
12 future of our state and we're happy to support you guys and
13 want to see you all thrive and succeed and help us building
14 this clean energy future together. So, thanks for coming
15 in.

16 COMMISSIONER SCOTT: I'll just echo what
17 Commissioner Hochschild said. Thank you so much for
18 spending two weeks here at the Energy Commission with us
19 learning about all different types of energy. And
20 hopefully that did spark some imagination and interest.
21 And then we'll see you again here at the Energy Commission.

22 And I showed you during my slide presentation all
23 the different types of jobs that you can have and be at the
24 Commission, whether you want to be Communications, if you
25 want to work in the Siting Division and be a biologist or a

1 lawyer. You know, there's all different kinds of things
2 that you -- backgrounds that you can have and still work in
3 Energy. So thank you for your interest and enthusiasm. It
4 was great to have you here for these last couple of weeks
5 and your excellent presentation.

6 COMMISSIONER MCALLISTER: Yeah, I'll just say I
7 was really impressed with the level of knowledge you
8 gathered in a short time. And I know you are -- obviously,
9 you have a lot of leadership -- each of you has a lot of
10 leadership capabilities and command sort of natural
11 tendencies already. So I just want to congratulate you for
12 a job really well done.

13 One of the things I told the group when I had a
14 chance to visit, which was really, really a pleasure -- I
15 mean it's nice to have that young idealism in the room and
16 sort of feed off of that and really use that sort of
17 positive, optimistic tenor, which I think we often get into
18 the weeds in this building and we're very specialized in
19 everything. But sort of having to put it in words that can
20 help you understand and create a vision for yourselves is
21 really a wonderful thing for us and staff to have to do.

22 But one of the things I told the group was, "If
23 you just dedicate yourself and you find what you're
24 passionate about then that gets noticed." And absolutely,
25 mentors are a key part of it. But also often you don't

1 have to actually look for a job. It'll find you if you
2 really demonstrate that you're in doing it for the right
3 reasons and put yourself in a situation that's in the place
4 you want to be. You know, you will rise to the top. And
5 so, I think just find what you're passionate about and if
6 that's energy then we have all the opportunities you might
7 ever want here at the Commission and just broadly in
8 California. We're doing things that the world is looking
9 at. And there are plenty of opportunities here to do
10 meaningful things with your life and your career.

11 So thanks again and congratulations, happy to
12 participate in the events, actually as well.

13 COMMISSIONER DOUGLAS: Yeah, I just want to add I
14 also very much enjoyed meeting with all of you and really
15 appreciate this program.

16 I wanted to thank the Public Adviser's Office for
17 supporting this program, and Alana Mathews in particular,
18 who really created it and took the initiative to set this
19 up. It's a really great opportunity to bring some bright
20 young people into the Energy Commission.

21 And as Commissioner McAllister said we benefit
22 from that as well. I mean, you have an opportunity to
23 learn and to see how this place works and to understand
24 better the energy field and how you might fit in it. And
25 what you might actually be most passionate about working on

1 within it. And we have the opportunity to meet with some
2 very bright and well-informed young people and really get a
3 sense of where you're coming from and your thoughts and
4 your ideas and your goals. And you are the future. And
5 so, that's really great for us.

6 So anyway, thank you. And a big thanks to Alana,
7 who couldn't be here today. And we really appreciate it.

8 So -- oh, and let's do a photo.

9 (Pause for Photo Op.)

10 COMMISSIONER DOUGLAS: All right. Let's go on to
11 Item 4, Renewables Portfolio Standard Program. I think
12 that's Camille.

13 MS. LEE: Good morning. I'm going to be
14 presenting for Camille today, tough act to follow. My name
15 is Natalie Lee. I'm the Office Manager for the Renewable
16 Energy Division. And I am presenting Item 4 for your
17 consideration.

18 Staff is requesting your approval of a resolution
19 authorizing a revision to the Renewables Portfolio Standard
20 or RPS Eligibility Guidebook, Ninth Edition. More
21 specifically, the proposed revision to Chapter 5 Section
22 C(2)(e) is proposed to clarify the RPS certification
23 requirements for aggregated units.

24 Under the current RPS Eligibility Guidebook,
25 distributed generation facilities within an aggregated unit

1 are required to meet one of the following requirements to
2 be eligible for certification in the RPS: Have received
3 benefits from a ratepayer-funded incentive program,
4 participate in a net metering tariff with a load serving
5 entity, or primarily serve onsite load. Staff believe that
6 this requirement was inadvertently incorporated into the
7 RPS Guidebook and are requesting your approval to remove
8 this requirement specific to aggregate facilities.

9 Based upon our research of these restrictions,
10 staff discovered that the RPS Guidebook, Fourth Edition
11 specifically excluded from RPS eligibility distributed
12 generation facilities that fell within any of the three
13 aforementioned categories until issues pertaining to the
14 use of tradable Renewable Energy Credits, or RECs, for the
15 RPS Program were resolved.

16 Excuse me. Once resolved, the restrictions were
17 removed in subsequent editions of the RPS Guidebook. The
18 Fifth Edition specifically stated that distributed
19 generation facilities with any of the prior restrictions
20 may now apply as an aggregated unit.

21 However, the Sixth Edition of the Guidebook
22 inadvertently introduced language limiting aggregated unit
23 eligibility by adding the current restriction that such
24 units must participate in at least one of the categories.
25 The limitation has been carried forward in each edition of

1 the RPS Guidebook since the Sixth Edition.

2 Based on staff's review of the prior editions of
3 the guidebook and materials from all related public
4 processes, staff believe that the change in language in the
5 Sixth Edition was inadvertent and not intended to limit the
6 RPS eligibility of aggregated units. Therefore, we are
7 proposing that the current language of the RPS Eligibility
8 Guidebook, Ninth Edition (Revised), Chapter 5 Section
9 C(2) (e) be removed, to allow eligible aggregated units that
10 meet all remaining RPS certification requirements to be
11 certified.

12 On June 30th, 2017 Public Notice of the proposed
13 change was posted. No public comments have been received
14 on the issue. Legal staff determined that the action is
15 exempt from CEQA. If this resolution is approved staff
16 will incorporate changes to the application process in the
17 RPS Online System to reflect the update. The update will
18 be reflected in documents accompanying the RPS Guidebook,
19 Ninth Edition. And will be fully incorporated in the next
20 update to the RPS Guidebook, which we expect to begin
21 scoping in the next few months.

22 Staff recommends that the Commission approve the
23 proposed resolution to revise the current language of the
24 RPS Eligibility Guidebook, Ninth Edition (Revised) Chapter
25 5 Section C(2) (e), to remove the referenced requirement and

1 allow eligible aggregated units that meet all remaining RPS
2 certification requirements to be certified.

3 I'm happy to answer any questions.

4 COMMISSIONER DOUGLAS: Thank you.

5 Any questions or comments?

6 COMMISSIONER HOCHSCHILD: Move the item?

7 COMMISSIONER DOUGLAS: Just one second, any
8 public comment in the room or on the phone?

9 (No audible response.)

10 Doesn't look like it. All right, go ahead David.

11 COMMISSIONER HOCHSCHILD: Move the item.

12 COMMISSIONER MCALLISTER: I'll second.

13 COMMISSIONER DOUGLAS: All in favor?

14 (Ayes.)

15 COMMISSIONER DOUGLAS: The item is approved
16 unanimously. Thank you.

17 All right, we are on to Item 5, Itron
18 Incorporated. Let's see, we're looking for Elizabeth.

19 MS. HUTCHISON: Hello. Good morning, my name is
20 Elizabeth Hutchison, from the Renewable Energy Division.
21 Today I am presenting Item Number 5, which is a proposed
22 resolution approving termination without cause of Agreement
23 500-15-003 with Itron, Inc., which will do business in
24 California as IBS.

25 This agreement was approved by the Commission at

1 the April 13th, 2016 Business Meeting, with a budget of
2 \$419,930 from fiscal year 2015-'16 Renewable Resource Trust
3 Fund monies. The contract term is 23 months from June 1,
4 2016 through April 30th, 2018. This contract was developed
5 to address the Senate Bill 1 requirement that the Energy
6 Commission conduct random performance audits of solar
7 energy systems that received incentive support through the
8 New Solar Homes Partnership, or NSHP Program. Senate Bill
9 1 does not provide any specific format or requirements for
10 such audits. And this contract is not the only way in
11 which the Energy Commission addresses the audit
12 requirement. Therefore, terminating this agreement does
13 not prevent the Energy Commission from fulfilling the SB 1
14 requirement.

15 To ensure system performance NSHP Program
16 participation requires an audit of the performance of every
17 system at the time of installation to ensure that only high
18 performing systems installed on energy efficient homes
19 receive incentives.

20 At the time of installation, the PV system
21 installer must test the actual measured performance and
22 compare this to the expected system performance to confirm
23 that the system output exceeds the expected production
24 obtained from the tables generated by the NSHP Program
25 calculators. The installers are required to document the

1 performance of the system and provide this information to
2 the Energy Commission and the system owner.

3 In addition, the program requires an approved
4 Home Energy Rating System or HERS Rater to assess the
5 installation and operation of the solar energy system to
6 ensure the actual performance of the system exceeds the
7 expected performance. These program requirements ensure
8 the performance of every system at the time of
9 installation.

10 The subject agreement was awarded through a
11 competitive process to Itron to complete an independent
12 audit to compare their performance of NSHP-supported
13 systems relative to their expected performance. The
14 contract scope was structured in three parts. Under the
15 tasks in Phases I and II, Itron would obtain and analyze
16 existing performance in system data and run statistical
17 analyses to develop a performance ratio for solar systems
18 installed with NSHP incentives. The budget for these tasks
19 is roughly \$170,000.

20 If the findings of the Phase I and II data
21 analyses identify the need for additional data, the
22 contract provides for an additional data collection task in
23 which Itron can, if authorized, install meters on systems
24 to obtain direct performance data. This task requires that
25 homeowners or system owners voluntarily allow Itron access

1 to install and monitor the meters. The additional data
2 collection tasks required a work authorization and has a
3 budget of roughly \$250,000.

4 Phases I and II of contract efforts relied on the
5 receipt of sufficient historical and current performance
6 data from solar installers that have participated in the
7 NSHP Program. Although maintaining performance data is not
8 required for NSHP Program participation, Energy Commission
9 staff anticipated that the data would be available at the
10 time the contract was awarded and worked with the major
11 installers for a number of months to obtain the data and
12 support the Itron efforts. Installers provided limited
13 data. However, staff wasn't able to obtain sufficient data
14 in a consistent and appropriate format.

15 Itron representatives proposed additional
16 approaches to attempt to receive the necessary performance
17 data, but staff determined that none of the suggested
18 approaches would likely result in receipt of sufficient
19 data in an efficient manner and without significant use of
20 staff resources.

21 Itron subsequently proposed an alternative
22 approach to completing the contract, in which Itron would
23 request available performance data directly from homeowners
24 and also move immediately to the additional data collection
25 efforts requesting that homeowners allow the installation

1 of meters to gather performance data.

2 The proposed approach required release of the
3 entire contract budget of roughly \$420,000. Given the
4 limited time remaining in the agreement and staff concerns
5 that data may not be received from a significant number of
6 homeowners in a wide range of climate zones and system
7 configurations staff believe that the findings of the
8 proposed alternative approach are not likely to be
9 statistically significant.

10 Also, as the alternative approach required the
11 entire contract budget, staff determined that the approach
12 would not fiscally prudent. There are no other
13 alternatives identified to complete this work. Therefore,
14 staff is requesting that the Commission approve the
15 proposed resolution terminating this contract without
16 cause.

17 Staff will continue other efforts to address the
18 SB 1 audit requirement, working with program participants,
19 solar and housing industry associations, and building on
20 performance evaluations conducted for similar programs.
21 And intend to provide an update to the Commission in the
22 future on these findings.

23 I ask for your approval of this item and would be
24 happy to answer any questions that you may have.

25 COMMISSIONER DOUGLAS: Thank you. Is there any

1 public comment on this item?

2 MS. GUPTA: Good morning Commissioner and members
3 of the audience. I'm Smita Gupta, Senior Principal
4 Consultant at Itron. I just wanted to make a comment on
5 this. I've been the Project Manager on behalf of Itron.

6 And while we respect the Energy Commission
7 decision about this contract we disagree with the
8 determination that it was not possible to provide a
9 statistically valid result. Itron has completed several
10 similar DG program evaluations in the past. There are
11 several other examples on it, including the CSI Program,
12 Self-Generation Incentive Program. And at least it's our
13 belief that we would be able to complete the intended work
14 and provide the performance ratio.

15 But we do respect the decision of the Energy
16 Commission that they have reached at this point, but happy
17 to answer any questions or participate in any discussion
18 related to this item.

19 COMMISSIONER DOUGLAS: All right. Thank you.

20 COMMISSIONER HOCHSCHILD: Yeah, thanks for your
21 comments. And I would move the item.

22 COMMISSIONER MCALLISTER: I'll second it.

23 COMMISSIONER DOUGLAS: All in favor?

24 (Ayes.)

25 COMMISSIONER DOUGLAS: The item is approved

1 unanimously. Thank you.

2 All right, let's go on to Item 6 City of
3 Brisbane, proposed resolution finding that the City of
4 Brisbane's locally adopted Energy Standards will require
5 buildings to be designed to consume no more electricity
6 than permitted by the 2016 Building Standards. Let's see,
7 Ingrid?

8 MS. NEUMANN: Good morning. Good morning,
9 Commissioners. So, my name is Ingrid Neumann from the
10 Building Standards Office. I'm here to present on Item 6,
11 7, 8 and 9. There is some background information that is
12 relevant to all four items, so I'm going to present that
13 background information first. And then present the Items
14 6, 7, 8 and 9 separately.

15 I will now present the background information
16 relevant to all four items. Local governmental agencies
17 wishing to enforce their locally adopted energy standards
18 are required to apply to the Energy Commission for a
19 finding that the local energy standards will require
20 buildings to be designed to consume no more energy than
21 permitted by the adopted statewide energy standards found
22 in Title 24, Part 6.

23 This finding can be made by the Commission. Once
24 a complete application has been received the complete
25 application is posted for a 60-day Public Comment period.

1 And the Executive Director issues a written comment
2 recommendation on the application.

3 A complete application consists of the following:

4 1) The proposed energy standards. 2) The local
5 governmental agency's findings and supporting analyses on
6 the energy savings and cost-effectiveness of the proposed
7 energy standards. 3) A statement or finding by the local
8 government agency that the local energy standards will
9 require buildings to be designed to save energy when
10 compared to energy consumption levels permitted by the
11 Title 24, Part 6. And 4) Any findings, determinations,
12 declarations or reports, required pursuant to the
13 California Environmental Quality Act.

14 So now I'll move on to Item 6, the City of
15 Brisbane. Staff has reviewed the City of Brisbane's
16 application and has found that the application was complete
17 as of April 25th of this year, consisting of Items 1
18 through 4 mentioned previously.

19 No public comments have been received by the
20 Energy Commission during the 60-day comment period, which
21 ended on June 29th. Subsequently, the Executive Director
22 issued a written recommendation in which he recommended
23 approval of this item.

24 On January 5th, Brisbane's City Council approved
25 the adoption of Ordinance 613, requiring installation of

1 cool roofs and either solar photovoltaics or solar hot
2 water systems in all new buildings.

3 The City of Brisbane worked closely with the City
4 of San Mateo and TRC staff to assess and adopt the cost-
5 effectiveness study that was submitted with the City's
6 completed application. The City of Brisbane found that for
7 multifamily residential buildings low-sloped cool roofs
8 provided a cost-benefit ratio of 4.9 to 1. And for
9 nonresidential buildings, low-sloped cool roofs provided a
10 cost-to-benefit ratio of 1.7 to 1. Solar photovoltaic
11 installation as described in Ordinance 613, Section
12 15.82.050 provides a cost-benefit ratio of 1.9 to 1.

13 The cost-effectiveness study was also heard and
14 approved on January 5th of 2017. Staff found the
15 application to be complete and confirmed a reduction of
16 energy consumption required by the local ordinance. Staff
17 therefore recommends the findings to be approved and the
18 Energy Commission Resolution be signed.

19 I am available to answer any questions you may
20 have as is Ken Johnson, who is calling in, Senior Planner
21 with the City of Brisbane. Thank you.

22 COMMISSIONER DOUGLAS: Thank you. And let's see,
23 Ken Johnson, is there any comment you'd like to make?

24 MR. JOHNSON: I'd like to thank the Commission
25 for considering our local ordinance. Brisbane seeks to be

1 among the leaders in terms of energy conservation. And so
2 we sought to go beyond the state's Energy Code. So like
3 San Mateo's, ours is focused on energy conservation through
4 cool roofs and generation through solar. And solar
5 especially, has been a touchstone for us as we've had
6 design permits come forward to the Planning Commission in
7 recent years.

8 And cool roofs I understand, was raised as a
9 question in terms of modeling and I understand that. Well,
10 I spoke to Ms. Neumann yesterday and concur with her emails
11 of follow-up to that, that the City is committed to comply
12 with the statewide Building Energy Standards. And to
13 implement protocols locally to make sure that that happens,
14 so that whatever is most energy conserving, whether our
15 local ordinance or the state standard will prevail.

16 And that's consistent with the language in our
17 ordinance as well. And so, if there's any further
18 questions on that I'm happy to take those, but I appreciate
19 your consideration.

20 COMMISSIONER DOUGLAS: Well, thank you. And we
21 certainly appreciate your leadership in this area. Any
22 additional comments, questions?

23 COMMISSIONER MCALLISTER: Yeah, I just want to
24 thank -- well, we have several items that are similar and
25 Ingrid's going to be here for those four items -- but I

1 want to thank the City of Brisbane for the leadership.

2 Absolutely I think this is emblematic of your leadership.

3 And the issue about sort of how heating energy
4 and cool roofs play off each other, I mean it actually is
5 emblematic of the fact that we're in a pretty amazing
6 situation where people are pushing the envelope -- pun
7 intended -- so hard that we are having to trade off
8 possibly between two awesome options. And so, if we can
9 also support the City, so that you reach your community
10 energy goals and you mitigate urban heat island effect and
11 do what you need to do with cool roofs for your local
12 jurisdiction at the same time, we're coordinated on the
13 details of the building with respect to the state code and
14 meeting our overall system energy goals, then that's
15 absolutely what we want to do. And that's the right path.

16 So, I wanted just to thank you, again, for all
17 the great collaboration. And just to let you know that
18 that will continue for sure from our end. And I know it
19 will from yours as well, so thanks.

20 COMMISSIONER DOUGLAS: Great.

21 Any additional public comment on Item 6?

22 (No audible response.)

23 COMMISSIONER MCALLISTER: Well, I'll move it.

24 I'll move Item 6.

25 COMMISSIONER SCOTT: Second.

1 COMMISSIONER DOUGLAS: All in favor?

2 (Ayes.)

3 COMMISSIONER DOUGLAS: The item passes
4 unanimously.

5 And now we'll go on to Item 7, a very similar
6 resolution proposed; this time for the City of Fremont.

7 Go ahead.

8 MS. NEUMANN: Right, so Item 7, the City of
9 Fremont. Staff has reviewed the City of Fremont's
10 application and has found that the application was complete
11 as of May 11th of this year, consisting of Items 1 through
12 4, mentioned previously.

13 No public comments have been received by the
14 Energy Commission during the 60-day comment period, which
15 ended on July 9th. Subsequently, the Executive Director
16 issued a written recommendation in which he recommended
17 approval of this item.

18 On May 2nd, 2017 Fremont City Council approved
19 the adoption of Ordinance 5-2016, which adds Section
20 15.44.050 to the City of Fremont's municipal code.

21 This section requires installation of a minimum
22 amount of photovoltaics in new single-family residential
23 construction, based on the building square footing. Or on
24 meeting 55 percent of the total TDV energy, as calculated
25 by Title 24 Part 6 performance compliance software.

1 The City of Fremont worked closely with the PG&E
2 Codes and Standards staff to assess and adopt the cost
3 effectiveness study that was submitted with the City's
4 completed application.

5 The City of Fremont found that for solar
6 photovoltaic installation as described in Ordinance 05-2017
7 Section 15.44.050 provides a cost benefit ratio of around
8 1.29 to 1 depending on the exact building square footage.
9 The cost effectiveness study was also heard and approved on
10 May 2nd of this year.

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

15 I am available to answer any questions you may
16 have. As is Rachel DiFranco, also calling in, the
17 Sustainability Coordinator with the City of Fremont. Thank
18 you.

19 COMMISSIONER DOUGLAS: Thank you. And let me
20 just ask if Rachel DiFranco, if you're on, would you like
21 to make some comments?

22 MS. DIFRANCO: I'd like to thank the Energy
23 Commission for reviewing our ordinance today. And
24 essentially just a quick overview, the City of Fremont has
25 been taking a leadership role in terms of solar and

1 electric vehicles. And we're really looking forward to
2 passing this ordinance and being able to implement.

3 We have thousands of new residential units that
4 will be built over the next few years before the subsequent
5 Building Code Update that goes into effect in January of
6 2020, which will require zero-net energy buildings. And so
7 this is really an opportunity for the City of Fremont to
8 make sure that the new developments that are coming in, in
9 between that period of time, will be installed with solar
10 and will be equipped with a sized-for system that will meet
11 kind of their base energy needs without overproduction.
12 So, this is a really exciting time.

13 And the California Energy Commission has also
14 been of very strong assistance in helping to develop a
15 template ordinance for mandatory solar for residential and
16 new construction, which we have been able to utilize in the
17 adoption of our ordinance locally.

18 COMMISSIONER DOUGLAS: Great. Thank you. And
19 also thank you for the local leadership and action on this
20 item. Now is there any public comment on this item?

21 (No audible response.)

22 Commissioners?

23 COMMISSIONER MCALLISTER: I'll move Item 7.

24 COMMISSIONER SCOTT: Second.

25 COMMISSIONER DOUGLAS: All in favor?

1 (Ayes.)

2 COMMISSIONER DOUGLAS: The item is approved
3 unanimously. Thank you, Rachel. And thanks for being on
4 the phone today.

5 Let's go on to Item 8, a very similar resolution;
6 City of Healdsburg.

7 Go ahead Ingrid.

8 MS. NEUMANN: All right. In light of the
9 background information that I previously provided, I will
10 now present Item 8. Staff has reviewed the City of
11 Healdsburg application and has found that the application
12 was completed as of May 11th of this year. It consists of
13 Items 1 through 4, mentioned previously.

14 No public comments have been received by the
15 Energy Commission during the 60-day comment period, which
16 ended on July 9th. Subsequently, the Executive Director
17 issued a written recommendation in which he recommended
18 approval of this item.

19 On December 5th of last year Healdsburg City
20 Council approved Ordinance 1158, which adds Section
21 15.04.080 to the Healdsburg Municipal Code.

22 The City of Healdsburg is requiring all new and
23 substantially remodeled single-family residential
24 construction greater than 3,000 square feet to be designed
25 to use 15 percent less energy than the allowed energy

1 budget established by the 2016 Standards. This is achieved
2 by meeting the voluntary CALGreen Tier 1 requirements found
3 in Title 24, Part 11.

4 The City of Healdsburg worked closely with the
5 PG&E Codes and Standards staff to develop the cost-
6 effectiveness study that was submitted with the City's
7 application.

8 The City of Healdsburg found that for single-
9 family residential buildings, Tier 1 could be reached
10 through efficiency-only measures at cost benefit ratios
11 ranging from 1.81 to 1.84 to 1. The cost effectiveness
12 study was also heard and approved on December 5th of 2016.

13 Staff found that the application to be complete
14 and confirmed a reduction of energy consumption required by
15 the local ordinance. Staff therefore recommends the
16 findings be approved and the Energy Commission Resolution
17 be signed.

18 I am available to answer any questions you may
19 have. Thank you.

20 COMMISSIONER DOUGLAS: Great. Thank you.

21 And is there anyone on the phone from the City of
22 Healdsburg or any other -- no? Okay, any public comment?

23 (No audible response.)

24 COMMISSIONER MCALLISTER: I just have a quick
25 comment, so thanks again for this. And I want to just take

1 advantage of the opportunity to certainly congratulate all
2 the cities, but in this case, Healdsburg. And point out
3 that CALGreen -- this is exactly what CALGreen is for,
4 right? This is the voluntary piece of Title 24. It's Part
5 11. It's not our minimum Part 6, minimum mandatory code,
6 it's Part 11. And so it's a place where we can open up
7 pathways and do innovative things. And then local
8 governments like Healdsburg can take it and run with it and
9 put in the pieces that they like and not the pieces that
10 they don't like. And really sort of use it to lead. And
11 so, I think it's exactly what it's intended to do.

12 And in this update that we're working on now for
13 2019 and beyond, I'm increasingly looking to leverage
14 CALGreen to do even more innovative things and allow local
15 governments to work on the price of carbon that they sort
16 of want to work with to do things like triple bottom line
17 analysis and sort of require that if they want to. And do
18 really, truly innovative things that are going to push the
19 envelope, allow them to push the envelope on the building
20 sector. Because if we're going reach our doubling goals
21 and really get the built environment highly performing,
22 we've really got to open up all the creativity we possibly
23 can. And then CALGreen is a good place to do that.

24 So again, I wanted to just leverage this item to
25 give a little perspective on this and congratulate the City

1 of Healdsburg. And if there's nothing else I'll move the
2 item.

3 COMMISSIONER SCOTT: Second.

4 COMMISSIONER DOUGLAS: All in favor?

5 (Ayes.)

6 COMMISSIONER DOUGLAS: The item is approved
7 unanimously.

8 And we'll go on to Item 9, the City of Portola
9 Valley; a very similar resolution. Go ahead, Ingrid.

10 MS. NEUMANN: All right, so first I'd like to
11 make a correction for Item 9. The Business Meeting Agenda
12 refers to the local entity as the City of Portola Valley,
13 but there is no such --

14 COMMISSIONER DOUGLAS: Okay.

15 MS. NEUMANN: -- local entity. The local
16 entity's official name is the Town of Portola Valley, which
17 is used accurately in the resolution and other accompanying
18 backup materials. So, I'll move forward with Item 9, Town
19 of Portola Valley.

20 Staff has reviewed the Town of Portola Valley's
21 application and has found that the application was complete
22 as of April 25th of 2017, consisting of Items 1 through 4
23 mentioned previously. No public comments have been
24 received by the Energy Commission during the 60-day comment
25 period, which ended on June 29th. Subsequently, the

1 Executive Director issued a written recommendation in which
2 he recommended approval of this item.

3 On January 11th 2017, Portola Valley's City --
4 Portola Valley's Town Council -- it's an easy mistake to
5 make -- approved Ordinance 2017-414, which amends Section
6 15.10.040 of the Portola Valley Municipal Code. And
7 requires efficiency improvements of 10 percent for single-
8 family residential construction, newly constructed
9 buildings, as well as additions and alterations to existing
10 buildings based on the corresponding GreenPoint-rated
11 checklists.

12 The Town of Portola Valley worked closely with
13 PG&E Codes and Standards staff to analyze and adopt the
14 cost effectiveness study that was submitted with the Town's
15 complete application.

16 The Town of Portola Valley found that for single-
17 family residential buildings 10 percent better could be
18 reached through efficiency-only measures even though the PV
19 credit is permitted in Climate Zone 3. The cost
20 effectiveness study was also heard and approved on January
21 11th of 2017.

22 Staff found the application to be complete and
23 confirmed a reduction of energy consumption required by the
24 local ordinance. Staff therefore recommends the findings
25 be approved and the Energy Commission Resolution be signed.

1 I am available to answer any questions you may
2 have as is Brandi de Garneau, calling in. She is the
3 Sustainability and Special Projects Manager with the Town
4 of Portola Valley. Thank you.

5 COMMISSIONER DOUGLAS: Great. Thank you.

6 And let me see if Brandi de Garneau, would you
7 like to make any comments?

8 MS. DE GARNEAU: Yes, I would, thank you.

9 This has been a very collaborative effort. And I
10 would like to thank the Commission for considering Portola
11 Valley's Ordinance and our efforts to continue being a
12 leader in promoting sustainable building design,
13 sustainable building construction and resource
14 conservation. This ordinance amendment supports the
15 state's zero-net energy and water conservation goals, while
16 also supporting the state's goals to create additional
17 accessory dwelling units. The ordinance will result in
18 homes that use less resources, create less greenhouse gas
19 emissions, while also producing a healthier living
20 environment.

21 Thank you again, and we appreciate your
22 consideration.

23 COMMISSIONER DOUGLAS: Well, thank you.

24 And Commissioner -- oh, is there any public
25 comment on this item?

1 (No audible response.)

2 COMMISSIONER MCALLISTER: Congratulations on all
3 your leadership. Thanks a lot for bringing this to us.
4 And thanks to Ingrid and staff in the Division for all the
5 hard work on all four of these. So I really appreciate all
6 the work.

7 So with that I'll move Item 9.

8 COMMISSIONER SCOTT: Second.

9 COMMISSIONER DOUGLAS: All in favor?

10 (Ayes.)

11 COMMISSIONER DOUGLAS: The item is approved
12 unanimously. Thank you.

13 COMMISSIONER HOCHSCHILD: And I believe there is
14 now 12 cities altogether that are out ahead of the state
15 code on this, so that's a great accomplishment.

16 COMMISSIONER DOUGLAS: Well that's really great.

17 COMMISSIONER MCALLISTER: It would be good to
18 keep up-to-date, the table or whatever outreach we have on
19 our website and just sort let the world know which -- I
20 think we heard all four or at least three out of four that
21 had people on the line that are really proud of their
22 leadership and rightly so. And so we ought to make sure
23 that we're appointing others who are interested to their
24 leadership. So thanks again, thanks.

25 MS. NEUMANN: Precisely. We'll update that

1 today.

2 COMMISSIONER MCALLISTER: Great.

3 COMMISSIONER DOUGLAS: Great, thank you.

4 All right, Item 10, City of San Rafael, proposed
5 resolution approving Agreement 001-17-ECD for an ECAA loan
6 at 1 percent. Armando?

7 MR. RAMIREZ: Yes. Good morning, Commissioners.
8 My name is Armando Ramirez. I'm an Engineer in the Local
9 Assistance and Financing Office. And I'm here today to
10 request approval of an Energy Conservation Assistance Act,
11 or ECAA loan, to the City of San Rafael in the amount of
12 \$1,178,813 at 1 percent interest rate.

13 The City has requested this loan to fund an
14 energy efficiency upgrade and retrofit project at various
15 city properties. Energy efficiency measures include
16 retrofitting or replacing building and street lighting
17 fixtures and expanding existing energy management control
18 systems with new sensors and automated analysis.

19 On an annual basis this project is estimated to
20 save over 1 million kilowatt hours and nearly 2400 therms,
21 reducing 374 tons carbon dioxide equivalent in greenhouse
22 gas emissions and saving the City about \$167,000 in energy
23 costs. Based on the savings and loan amount, the simple
24 payback is 6.7 years. During this, staff determined that
25 the loan application complies with all program

1 requirements.

2 At this time I request your approval. I would
3 happy to answer any questions. Thank you.

4 COMMISSIONER HOCHSCHILD: Well, what is the term
5 of the loan?

6 MR. RAMIREZ: The term?

7 COMMISSIONER HOCHSCHILD: The length of the loan?

8 MR. RAMIREZ: Length of the loan?

9 COMMISSIONER HOCHSCHILD: Was it 15 year?

10 MR. RAMIREZ: Yes, the payback is required to be
11 within 17 years for the 1 percent interest rate loans.

12 ECAA ED would be 20. The projects are expected to be
13 completed in about two years.

14 COMMISSIONER HOCHSCHILD: But is there a term
15 where it's a 15-year loan or a 20-year loan or just
16 whenever they pay it back before 20 years?

17 MR. RAMIREZ: Yeah, as they pay it back. I think
18 the payback schedule is over 20 periods.

19 COMMISSIONER HOCHSCHILD: Can I just request in
20 the future we do this to just add the -- we have the loan
21 amount and the loan rate, but just to always include the
22 term in the summaries?

23 MR. RAMIREZ: Oh, I see.

24 MR. ASHUCKIAN: Yeah, I'm Dave Ashuckian, the
25 Director of Efficiency Division. The term for this loan is

1 6.7 years.

2 COMMISSIONER HOCHSCHILD: That's the payback time
3 for the customer. I'm asking for the term to repay the --

4 MR. ASHUCKIAN: It should be the same.

5 COMMISSIONER HOCHSCHILD: No, no, no. You have a
6 simple payback on their energy savings, but that's not --
7 they're not going to necessarily repay the balance of the
8 money in 6.7 years, right? That's their --.

9 MR. ASHUKIAN: Normally that's how it's set up.

10 MS. GRANT-KILEY: (Indiscernible - off mic.)

11 COMMISSIONER HOCHSCHILD: Oh, so it is. It's
12 basically they just --

13 COMMISSIONER DOUGLAS: If you could just repeat
14 that in the microphone that would be very helpful.

15 COMMISSIONER HOCHSCHILD: Okay.

16 COMMISSIONER MCALLISTER: Yeah, we'll do a little
17 record enhancement here.

18 MS. GRANT-KILEY: I'm Rachel Grant-Kiley. I'm
19 the Manager of the Contracts, Grants and Loans Office. And
20 our amortization schedules are built on the simple payback
21 periods, so it is anticipated that the full loan will be
22 repaid in --

23 COMMISSIONER HOCHSCHILD: I see.

24 MS. GRANT KILEY: -- that period.

25 COMMISSIONER HOCHSCHILD: Okay.

1 MS. GRANT KILEY: We have revised amortization
2 schedules in the past historically, but it's usually an
3 amendment that either comes to the Commission or at least
4 goes to Executive Director.

5 COMMISSIONER HOCHSCHILD: But this obviously
6 could float, like if the payback ends up being longer then
7 it would be in the payback could be --

8 MS. GRANT-KILEY: It could go out as long as the
9 1 percent loan started, and that's within the 15 years.
10 But it's not likely.

11 COMMISSIONER HOCHSCHILD: I'm sorry, the 15 years
12 is the outer -- I'm just trying to get my head -- so 15
13 years is the outer?

14 MS. GRANT-KILEY: In that, yeah, that's the
15 program structure. Yeah, so.

16 COMMISSIONER HOCHSCHILD: Got it. Okay, thanks
17 for clarifying.

18 MS. GRANT KILEY: Mm-hmm.

19 COMMISSIONER DOUGLAS: All right. Any other
20 questions or comments on this item?

21 (No audible response.)

22 I'll ask for public comment, any public comment
23 on this item?

24 (No audible response.)

25 Do we have a motion?

1 COMMISSIONER MCALLISTER: I'll move Item 10.

2 COMMISSIONER SCOTT: Second.

3 COMMISSIONER DOUGLAS: All in favor?

4 (Ayes.)

5 COMMISSIONER DOUGLAS: The item is approved.

6 Thank you.

7 And let's go on to Item 11, California
8 Homebuilding Foundation, proposed resolution adopting
9 California Environmental Quality Act findings for
10 California Homebuilding Foundation's zero energy
11 residential optimization - community achievement project
12 demonstration site. Heather?

13 MS. BIRD: Good morning, Commissioners. I'm
14 Heather Bird from the Energy Efficiency Research Office.
15 And I am presenting for Brad Williams today.

16 Staff recommends approval of the proposed
17 amendment for Project EPC-15-042 with California
18 Homebuilding Foundation for a site change from the Preserve
19 Specific Plan project located in Chino, California, to the
20 Abrams "B" housing project located in the northern portion
21 of the former Fort Ord in Marina, California.

22 As a result of the site change staff is also
23 recommending approval of new CEQA findings based on their
24 lead agency, the City of Marina's Final Environmental
25 Impact Report, Mitigation Monitoring Plan, and Statement of

1 Overriding Considerations.

2 Staff has reviewed and considered the City of
3 Marina's CEQA documents and has determined the work
4 proposed under this project and amendment to present no new
5 significant or substantially more severe environmental
6 impacts. Additionally, the mitigation measures in the
7 City's CEQA documents will eliminate or mitigate any
8 significant impacts associated with the project to less
9 than significant levels, except for regional air quality
10 impacts.

11 As to the regional air quality impacts on balance
12 there are economic, legal, social, technological or other
13 benefits, including environmental benefits, associated with
14 the project to outweigh any significant unavoidable effects
15 such as elimination of light or consistency with the City's
16 general or redevelopment plans, job creation and reduced
17 greenhouse gas emissions, with the use of energy efficiency
18 upgrades.

19 This project will demonstrate large-scale
20 community deployment of new construction Zero Net Energy
21 single-family homes in the proposed location of Marina,
22 California. At least 50 homes will be built to the 2019
23 Zero Net Energy Standards.

24 No changes are being made to the scope of work,
25 budget or project timeline.

1 Garth Torvestad of ConSol, who's a major
2 subcontractor and the Project Manager, is here in the room
3 with me. He and I are available to answer your questions
4 at this time. Thank you.

5 COMMISSIONER DOUGLAS: Great, thank you. Any
6 questions?

7 COMMISSIONER MCALLISTER: Ask (indiscernible)
8 comment?

9 COMMISSIONER DOUGLAS: Oh, right. Right, Garth,
10 would you like to make any comments?

11 COMMISSIONER MCALLISTER: I'll have to put you on
12 the spot.

13 COMMISSIONER DOUGLAS: Okay. He says, "No, thank
14 you," if there are no questions. Is that correct?

15 MR. TORVESTAD: I'll come up.

16 COMMISSIONER DOUGLAS: Oh, please come forward
17 then.

18 MR. TORVESTAD: Hi there, this is Garth Torvestad
19 with ConSol. I'm a Principal Investigator on this project.
20 And we unfortunately had to go through a site change, which
21 was very difficult and a lot of work to get there. So
22 we're very, very happy to be here finally. I think the
23 project that we're going to have is actually in many ways a
24 little bit more exciting than what we had started with.
25 And I can talk about that if needed. But definitely

1 appreciate the flexibility here to understand the
2 circumstances that required the change of site and to
3 approve this.

4 COMMISSIONER MCALLISTER: Thanks a lot.

5 COMMISSIONER DOUGLAS: Great. Well, thank you.
6 Thanks for being here.

7 Any public comment on this item? Or additional
8 public comment?

9 (No audible response.)

10 Great, Commissioners?

11 COMMISSIONER MCALLISTER: Yeah, you know, this is
12 EPIC and the Chair's not here. Maybe we should try to
13 channel the Chair, but I am super excited about this. And
14 I want to thank staff and certainly ConSol and everybody
15 involved here for getting this to us.

16 This is a really -- I want to take the
17 opportunity to highlight that this EPIC approach that we
18 have works. And I've been doing a little bit of travel
19 lately that I'll talk about in my Lead Commissioner Report.
20 But it's incredible how innovative we are relative -- we do
21 it every day, so maybe we don't realize, but starting out
22 with a bold project like this with lofty goals that fits
23 squarely within our policy regime, but that is really
24 pushing on how to do things right, how to do things better
25 in the real world.

1 And EPIC funding that, having significant funds
2 to encourage and pay for and help do that, it sort of
3 enables -- it opens up pathways that we don't even
4 necessarily know. And I know ConSol has been at this for a
5 long time. You guys really know what you're doing. But
6 we're going to learn a ton from this. And then we're going
7 to turn around, be able to do it in other places, do it in
8 other climate zones. You know, use the technologies that
9 really work. And then think about how to put them into
10 CALGreen, how to put them as compliance measures. And then
11 how to eventually to require them in a ZNE pathway.

12 So I wanted to put this in context a little bit
13 to just highlight the fact that this process that we have,
14 it really looks at all stages of the development chain, the
15 supply chain for clean energy. It works and it gets us to
16 a point where we can lead.

17 And everybody like I said, is looking at
18 California and impressed when I say, "Oh, we spend \$200
19 million a year on R&D," people just -- their jaws drop,
20 right? And for us we're doing it every day. Every
21 business meeting we approve stuff, but it just doesn't
22 happen in very many places. And so we're really lucky;
23 both to be here in this situation, but also to have the
24 array of knowledgeable stakeholders actually doing things
25 on the ground to make it all happen.

1 So thanks, both to staff and to the Project Lead,
2 oh, so anything else?

3 (No audible response.)

4 No? Okay, I'll move Item 11.

5 COMMISSIONER HOCHSCHILD: Second.

6 COMMISSIONER DOUGLAS: All in favor?

7 (Ayes.)

8 COMMISSIONER DOUGLAS: Item 11 is approved
9 unanimately.

10 MS. BIRD: Thank you.

11 COMMISSIONER DOUGLAS: Thank you.

12 Item 12, development, demonstration and
13 deployment of environmentally and economically sustainable
14 biomass-to-energy systems for the forest and food waste
15 sector. Kevin?

16 MR. UY: Hi. Good morning, my name is Kevin Uy
17 with the Energy Generation Research Office in the Energy
18 Research and Development Division.

19 Staff is seeking approval of two projects from
20 the competitive solicitation, "Development, Demonstration
21 and Deployment of Environmentally and Economically
22 Sustainable Biomass-To-Energy Systems for the Forest and
23 Food Waste Sectors."

24 The purpose of this solicitation was to fund
25 research, development and demonstration projects, which

1 advance the state of technology of bioenergy for conversion
2 of organic waste to renewable electricity.

3 In particular, this solicitation responds to the
4 Governor's October 30, 2015 Proclamation of a State of
5 Emergency to protect communities against unprecedented tree
6 die-off.

7 I'm going to be presenting two projects for
8 approval. The first project is with Taylor Energy. In
9 this project, Taylor Energy will perform pilot-scale
10 testing and demonstration of a woody biomass gasifier
11 system at the UC Riverside Center for Environmental
12 Research and Technology in Riverside, California. The
13 gasifier system will be operated in three distinct
14 configurations, which represent three different energy
15 pathways for conversion of woody biomass to electricity.

16 The project will examine one baseload pathway,
17 which utilizes woody biomass-derived gaseous fuel for
18 continuous power generation. And two flexible pathways,
19 which utilize woody biomass-derived liquid fuels for
20 intermediate storage and dispatchable power generation.
21 The energy, environmental, and economic performance of each
22 pathway will be compared via lifecycle analysis. And an
23 optimal pathway will be identified for extended testing and
24 modeling. If successful, this project has the potential to
25 identify an optimal biomass-to-energy pathway for achieving

1 -- for utilizing California's abundant forest wood waste.

2 The second project is with Altex Technologies
3 Corporation. In this project, Altex will perform pilot-
4 scale testing and demonstration of a modular woody biomass-
5 to-electricity system at the Altex Test Facility in
6 Sunnyvale, California.

7 The "Altex Forest Power Technology", also called
8 "FORPOWER", aims to create an efficient, deployable and
9 low-emission system to convert forest slash into renewable
10 electricity. The FOREPOWER system will achieve these goals
11 by combining several innovative sub-systems including a
12 densification system to compress forest slash into compact
13 fuel logs, a flexible low-emission combustor, a highly
14 efficient low-loss heat exchanger, an indirect fired gas
15 turbine and a cyclone reactor. If successful, this
16 technology has the potential to cost-effectively convert
17 forest slash to electrical power, interconnected with the
18 grid, at distributed locations which are close to forest
19 resources.

20 Staff recommends approval of these two agreements
21 and are available if you have any questions. Also,
22 representatives from Altex are on the phone if you have any
23 questions. And representatives from Taylor Energy are
24 present to make a comment.

25 COMMISSIONER DOUGLAS: Thank you. So we do have

1 Donald Taylor here, CEO of Taylor Energy, if you could come
2 forward.

3 If anyone else has a public comment on this issue
4 please fill out a blue card.

5 MR. TAYLOR: Hello and thank you, Commissioners.
6 My name is Donald Taylor. I'm the Chief Executive for
7 Taylor Energy. We're a nonprofit company that focuses on
8 sustainable energy research. I want to just make a few
9 big-picture comments. And then discuss our team briefly
10 and then maybe a couple of things on the technology.

11 To give a sense of the resource we're talking
12 about here our company is focused really on three major
13 resources: the forest residue, which is the focus of this
14 agreement, refuse-derived biomass and agricultural
15 residues. And each of those three categories, looking in
16 general, has about enough resource to produce about 4,000
17 megawatts. So those three categories could produce
18 essentially 12,000 megawatts of power. It's a very big
19 resource.

20 And it could be produced as base load or there
21 are opportunities for it, fully dispatchable or flexible
22 power. And we're looking at these chances to use this
23 resource largely as a flexible power source.

24 If you look at biomass in these three categories
25 it's one of nature's really wonderful ways to store energy.

1 And if we can convert it in to flexible or dispatchable
2 power in an economical way, which we believe we can, that
3 will be a nice balance for the various solar systems we
4 have in California.

5 Just briefly our partners in the forest residue,
6 we're working with Sierra Pacific Industries. They're the
7 largest land owner, private land owner, in California.
8 They are a good partner for us. Everything they take out
9 of the forest essentially has a use, but there's an awful
10 lot of residue in that forest that we need to learn how to
11 use that's just being basically left up there.

12 On the refuse-derived biomass side, in a contract
13 we're currently completely now we're working with Waste
14 Management. And of course, they're the big green and the
15 source of (indiscernible) all over the country.

16 We don't have a partner in ag residue, but I came
17 out of an ag residue background, so I believe we'll get
18 there as well.

19 In terms of our technology partners we're working
20 with UC Riverside. You know, they've had a fairly long
21 history in thermo-chemical development. And people come
22 and go there. There's a merging team there that's very
23 good. They're focusing to a large degree on production of
24 renewable methane, pipeline methane, which is good
25 integration with some of our other technologies.

1 We're also working with a company called
2 Ceramatec. They are, I think, one of the world leaders in
3 high-tech ceramics. They make things like fuel cells.
4 They're making the technology that goes on the Mars Lander
5 to convert CO into hydrogen -- or into oxygen and CO.

6 And so we have a good technology team. And just
7 maybe to get a sense of how these things progress, I've
8 been in energy development for a long time. My first
9 meeting here was here in the early '90s with a company
10 called Energy Environmental Research, now GE Global
11 Research. My company, Taylor Engineering, I think it did
12 our first grant with you folks on the EISG in 2006. We had
13 about \$5 million of private investment in California
14 through about 2016 and another little EISG and then we're
15 into these programs. So then the progression has been
16 appropriate.

17 And I want to thank the Commission really, for
18 the opportunity. I'm a long-time developer and I really
19 see some of these things. It's my eighth pilot plant, but
20 I really believe there is a light here. And the resources
21 are fantastic. And I appreciate the support of the
22 Commission. I think we'll get there. Thank you.

23 COMMISSIONER DOUGLAS: Right. Well, thanks for
24 being here.

25 MR. TAYLOR: Does anyone have questions for me?

1 COMMISSIONER DOUGLAS: Thanks for being here.
2 Thanks for your work. I don't think we have a lot of
3 questions, but it certainly is an important opportunity.

4 Any other comments or questions from the dais,
5 no? Is there any other public comment? Is there something
6 more?

7 (No audible response.)

8 MR. TAYLOR: No, I'm good, thank you. Thank you.

9 MR. UY: Thanks a lot.

10 COMMISSIONER DOUGLAS: All right. If there's no
11 other public comment, then do we have a motion on this
12 item?

13 COMMISSIONER SCOTT: I'll move approval of Item
14 12.

15 COMMISSIONER MCALLISTER: I'll second.

16 COMMISSIONER DOUGLAS: All in favor?

17 (Ayes.)

18 COMMISSIONER DOUGLAS: Item 12 is approved
19 unanimously. We'll go on to Item 13, Emerging Energy
20 Efficient Technology Demonstrations, GFO-16-304. And Felix
21 are you here? Go ahead.

22 MR. VILLANUEVA: Good morning, Commissioners. My
23 name is Felix Villanueva from R&D's Energy Efficiency
24 Research Office.

25 Staff is recommending the approval of three EPIC

1 grants. These proposed grants were submitted to the second
2 phase of a competitive solicitation, GFO-16-304: Emerging
3 Energy Efficient Technology Demonstrations. The purpose of
4 this solicitation is to accelerate market adoption of pre-
5 commercial technologies by demonstrating them at a large
6 scale. All of these projects must demonstrate and reduce a
7 building's energy use by 20 percent and must be located in
8 an electric IOU service territory.

9 The first item is "Best-in-Class: Demonstrating
10 Scalable Operational Efficiency through Optimized Control
11 Sequences and Plug-and-Play Solutions," with Taylor
12 Engineering.

13 Upgrading an existing building's HVAC and
14 lighting systems do not scale up easily due to high-capital
15 costs. The best cost-effective approach is to upgrade
16 existing systems with controls to operate more efficiently.

17 Taylor Engineering will demonstrate a large-scale
18 application to test the installation of optimized control
19 sequences and plug-and-play solutions for the commercial
20 building sector. These controls will demonstrate energy
21 savings and improve occupant comfort. These controls
22 include fault detection diagnostics and continuous
23 commissioning with the use of M&V 2.0 procedures. These
24 control strategies will be installed at several medical
25 offices in the Central Valley and Southern California

1 region.

2 The successful demonstration of these controls
3 will allow commercial building owners and operators in
4 California to maximize savings across large portfolio
5 buildings. Integrating measures into single installations
6 can yield upwards of 20 percent energy savings.

7 A second item is, "Bundle-based Energy efficiency
8 technology Solutions for California," with Wildan Energy
9 Solutions.

10 An estimated 50 percent of the state's existing
11 buildings were built before California's Building Energy
12 Efficiency Standards that went into effect in 1978. These
13 buildings have antiquated, inefficient, energy-related
14 infrastructure, including central plants, HVAC systems,
15 lighting and building controls.

16 Wildan Energy Solutions will demonstrate
17 innovative bundles of pre-commercial technologies which
18 include: Chilled Water plants; LED lighting fixtures with
19 integrated HVAC -- with advanced controls; advanced
20 building management systems to optimize HVAC zones, plug
21 load controls, off-grid exterior lighting and advanced
22 laboratory ventilation and fume hood exhaust and direct
23 current lighting systems.

24 This demonstration allows the project to be
25 replicated and scaled to a variety of building types, such

1 as large and small offices, hospitals, hotels, schools and
2 universities. With increased adoption of these bundles,
3 California will be able to accelerate energy efficiency and
4 reduce GHG emission reductions.

5 This project will be demonstrated at the South
6 Coast Air Quality Management District government building
7 located in Diamond Bar, California.

8 Energy savings achieved through implementation
9 and adoption of these technologies will generate cost
10 savings for building owners and operators.

11 The last item is "Empowering Energy Efficiency in
12 Existing Big-Box Retail/Grocery stores," with the Center
13 for Sustainable Energy.

14 California SB 350 aims to double statewide energy
15 efficiency by 2030. Meeting this aggressive target will
16 require the commercial building industry to install
17 holistic packages; specifically, those that leverage
18 emerging, pre-commercial products. Existing commercial
19 buildings, particularly inland communities, present the
20 greatest energy savings potential.

21 Center for Sustainable Energy will demonstrate an
22 integrated suite of pre-commercial measures in a large
23 existing retail building. The targeted technology packages
24 will focus on HVAC/refrigeration, lighting and an
25 integrated system of building level controls.

1 They will demonstrate this at a 20-year-old Wal-
2 Mart in Covina, California. The project is designed to
3 impact Wal-Mart's future store specifications, which can be
4 replicated and deployed in their buildings across
5 California or in other similar buildings that use the same
6 characteristics.

7 The project supports California's Loading Order,
8 which prioritizes Energy Efficiency and Demand Response as
9 the most cost-effective means to reach the state's
10 aggressive greenhouse gas reduction goals. By reducing
11 energy consumption and providing Demand Response resources,
12 the proposed project will add valuable capacity to
13 California's electrical transmission and distribution
14 system.

15 Lastly, the project may improve food and safety
16 due to automated fault detection and diagnostics in
17 commercial refrigeration.

18 Staff is recommending approval of these grants.
19 And thank you and I am happy to answer any questions.

20 COMMISSIONER DOUGLAS: Thank you.

21 Any questions or comments from the dais?

22 COMMISSIONER MCALLISTER: Yeah, just quickly,
23 again this is an EPIC, which is under the Chair's
24 direction, but obviously this one has to do with energy
25 efficiency. And you've highlighted SB 350, which is the

1 thing that keeps a lot of us up at night these days, in the
2 various ways. And being smart, smart controls, really
3 being strategic, investing properly, operating our existing
4 buildings right as this is just where a lot of the action
5 has to be going forward.

6 I guess I wanted to just highlight the controls
7 aspects of a couple of these, making sure that buildings
8 can be demand responsive and getting ready for that future.
9 We're not there yet, but we need to get there quickly.

10 And maybe ask a question. These are great
11 projects and I like them very much and certainly am very
12 supportive. I guess I'm wondering of the utility role, the
13 utilities' roles as partners in these? And you don't have
14 to answer now, but I'd like to get a little more in-depth
15 information about really the role of utilities and the role
16 of electricity rates. And how some of these projects might
17 highlight or might surface barriers that are related to
18 rates, to the rate reading.

19 Particularly with respect to Demand Response and
20 sort of the time, the temporal aspect of building
21 responsiveness, because these are very sophisticated
22 projects, partners. And they really know about these
23 things. And I think they're in a good position to be able
24 to highlight where rates provide the right incentives and
25 where they don't provide the right incentives for really

1 operating a building optimally. So I'd like to keep on top
2 of that issue as these move forward.

3 COMMISSIONER DOUGLAS: Great. Thank you. Let me
4 just ask is there any public comment on this item?

5 (No audible response.)

6 All right. Do we have a motion?

7 COMMISSIONER SCOTT: Well, I was just going to
8 add one more thing that this is I agree, I think, a great
9 set of projects. I got an excellent, in-depth briefing on
10 them. And one of the things -- and Felix mentioned it in
11 his talking points -- what I think is really cool about all
12 of these is they have the potential to be scalable.
13 They're looking at it to try to figure out how to make it
14 scalable. And they're looking at it as the potential to be
15 replicable right, and especially the Wal-Mart projects.
16 And they're looking at them with the idea of how do we
17 replicate this into other existing building spaces. And so
18 I think that's something else that's very exciting about
19 this set of projects.

20 So I would be happy to move approval of Item 13.

21 COMMISSIONER MCALLISTER: I'll second.

22 COMMISSIONER DOUGLAS: All in favor?

23 (Ayes.)

24 COMMISSIONER DOUGLAS: The item is approved
25 unanimously.

1 MR. VILLANUEVA: Thank you.

2 COMMISSIONER DOUGLAS: Thank you. Let's go on to
3 Item 14, Solar+: Taking the Next Steps to Enable Solar as a
4 Grid Asset, GFO-16-309. Angie?

5 MS. GOULD: Yes. Good morning, My name is Angie
6 Gould from the Energy Research & Development Division. And
7 I'm here to request your approval of six of the twelve
8 grant agreements recommended for funding under a
9 competitive solicitation to advance the deployment and Grid
10 integration of distributed solar resources.

11 The remaining grant agreements were approved at
12 the June 14th business meeting.

13 The solicitation covered six project groups, and
14 the agreements I'm presenting for your approval today cover
15 four of those groups. Group 1: Pilot Demonstration of
16 Advanced Solar + Storage Technologies for Community-Scale
17 Applications. Group 2: Pilot Demonstration of Advanced
18 Solar + Storage Technologies for Building-Scale
19 Applications. Group 3: Enhanced Modeling Tools to Maximize
20 Solar + Storage Benefits and Group 5: Holistic Forecasting
21 to Support High-Penetration Solar Grid Operations.

22 The first project with Humboldt State will
23 develop and pilot test a set of currently-missing hardware
24 and software elements that will enable multiple vendors to
25 provide Solar+ technology that can serve the fast-changing

1 needs of the California grid. The project will develop an
2 integrated design and operations strategy that improves on
3 the status quo and leads to rapid market scaling in the
4 small and medium commercial building sector. Currently,
5 these buildings are too small to justify the custom
6 engineering typically necessary for Solar+ installations,
7 but could scale rapidly if key market barriers are
8 addressed.

9 This should result in: first, reduced overall
10 cost compared to isolated solar, battery and building
11 commissioning, control projects; second, increased
12 capabilities to offer distribution and bulk power system
13 support by coordinating on-site operations between
14 distributed generation, batteries and thermal storage; and
15 third, cost-effective targeting of investments using
16 advanced metering infrastructure data to identify suitable
17 candidate Solar+ host sites.

18 The next project with Clean Power Research will
19 improve solar irradiance forecasting accuracy by
20 integrating state-of-the-art irradiance forecasts with
21 simulated PV power production forecasts, adjusted by
22 integrating metered PV production data. The project will
23 create probabilistic PV generation forecasts to inform
24 operational net load forecast risk assessment. And the
25 resulting improved forecasts will be integrated into CalISO

1 operations.

2 The team will develop and implement a time-
3 dependent valuation metric and baseline forecast to
4 quantify the value of forecast improvements, as well as
5 evaluating behind-the-meter PV adoption patterns and the
6 resulting impacts on net load.

7 The E3 project will develop analysis tools that
8 define the optimal dispatch of Solar+ battery storage and
9 advanced control systems. And demonstrate the value of
10 integrating these systems into the utility planning
11 process.

12 The three California investor-owned utilities are
13 all project partners to ensure that the Solar+ systems can
14 provide actual benefits to IOU customers and be integrated
15 as resources into IOU planning.

16 The project will evaluate a full range of price
17 signals and retail rates, including anticipated time of use
18 prices, advanced real-time pricing and optimal dispatch for
19 wholesale market benefits.

20 The next project with EPRI will include a pilot
21 demonstration in a disadvantaged community of technologies
22 sized together to maximize benefit while minimizing costs.
23 The project incorporates innovative integrated software and
24 control algorithm approaches coupled with data analytics
25 and forecasting methodologies, as well as design elements

1 that enable the building customer to manage their own
2 resources for their comfort and convenience.

3 The project also enables the creation and
4 verification of a variety of business and ownership models
5 as well as incentive approaches that maximize the benefits
6 of the system both to the customers and to the distribution
7 grid.

8 The following EPRI project will be built on
9 previous and ongoing work by the project team to improve
10 the state-of-the-art of solar irradiance forecasting by
11 developing a California-specific version of the Weather
12 Research and Forecasting, or WRF solar model. The
13 California WRF solar model will improve the physics and
14 data assimilation for predicting fog and stratus
15 dissipation through targeted instrument deployments.
16 Advanced machine learning based forecasts and improved
17 physical models will be combined to generate improved solar
18 generation forecasts that can be integrated into utility
19 and CalISO operations.

20 The final project with the Center for Sustainable
21 Energy will apply the latest high efficiency solar and
22 storage technologies to create an integrated community
23 solar and storage energy system at a low-income mobile home
24 park. The proposed project will provide operational
25 strategies for storage to provide clear value propositions

1 and bill reductions to end customers with existing tariff
2 structures. And provide demonstrations of alternate
3 structures and additional value streams that will increase
4 the value of storage to the end customer while better
5 achieving distribution system operational goals.

6 I recommend the Commission's adoption of the
7 proposed resolutions approving these six agreements. And
8 I'm happy to answer any questions.

9 COMMISSIONER DOUGLAS: All right. Thank you very
10 much. Is there anyone here for public comment on any of
11 these six agreements?

12 (No audible response.)

13 I don't see anybody, any discussion from the
14 dais?

15 COMMISSIONER HOCHSCHILD: It's terrific.

16 COMMISSIONER DOUGLAS: Will you turn the mic on.

17 COMMISSIONER HOCHSCHILD: No, I said it looks
18 terrific. I mean, obviously we need to move toward WET
19 goal (phonetic) smart solar from standard solar and that's
20 the future. And I think you know one, really, landmark
21 study was the ISO's study this spring with the 300 megawatt
22 free solar project with smart inverters and all the
23 ancillary services that can provide. And it's just really
24 telling.

25 And obviously we have that potential. We haven't

1 achieved it to do the exact same thing and get the same
2 benefits from all this DG that's on, so this is great to
3 see another step down that road.

4 So unless there's other comments I would move the
5 item.

6 COMMISSIONER MCALLISTER: I'll second.

7 COMMISSIONER DOUGLAS: All in favor?

8 (Ayes.)

9 COMMISSIONER DOUGLAS: The item is approved
10 unanimously. Thank you.

11 MS. GOULD: Thank you.

12 COMMISSIONER DOUGLAS: All right. We are going
13 on to Item 15: Discussion of Energy Commission Progress
14 Regarding Implementation of the Clean Energy and Pollution
15 Reduction Act of 2015, otherwise and much more briefly and
16 succinctly referred to as SB 350.

17 So go ahead, Michael.

18 MR. SOKOL: All right. Good morning,
19 Commissioners. I'm Michael Sokol and I'm here today to
20 provide an update on the schedule of activities for SB 350
21 implementation. And so, this is the same schedule that
22 I've provided updates on in the previous business meetings,
23 the last few.

24 We have some upcoming events. And you'll see as
25 we go through the upcoming activities there's a few things

1 coming to the business meetings over the next couple of
2 meetings here.

3 So just starting off in the beginning with the
4 Integrated Resource Planning Track, and staff has been
5 working hard to develop guidelines for publicly-owned
6 utility integrated resource plans. We actually published
7 the draft of those guidelines last Friday, July 7th. And
8 we'll have those planned to consider for adoption at the
9 next business meeting in August. So those are posted now.
10 There is a request for any comments to be due a week prior
11 to the business meeting. And then staff will be prepared
12 to present those for Commissioners' consideration.

13 And of course, I think every Commissioner's
14 office we've tried to keep you informed about those
15 guidelines. I know they've been developed, but prior to
16 the business meeting if there are additional questions or
17 briefing requests we'd be happy to set that up for you.

18 So also supporting that Integrated Resource
19 Planning Track, of course is the development of targets for
20 load-serving entities and publicly-owned utilities in terms
21 of greenhouse gas emission reduction targets the Air
22 Resources Board is developing. The Energy Commission and
23 Public Utilities Commission staff are continuing to engage
24 with the Air Resources Board to figure out the next steps
25 in that process.

1 So that sort of summarizes the Integrated
2 Resource Planning Track. And there's a lot of moving
3 pieces about that, so happy to answer any questions when
4 they come up.

5 But moving forward to the Low-Income Barrier
6 Study Implementation Track, really there's a bunch of
7 moving pieces with this one as well. But looking at
8 continuing to coordinate with a number of other agencies in
9 the Governor's Office through the Task Force and looking to
10 find a meeting date sometime before the end of this month
11 for a follow-up discussion. In the meantime, staff
12 continues to coordinate with a number of different agencies
13 that are impacted by the recommendations that came out of
14 this study, and having lots of conversations about how to
15 make sure that steps are taken towards full implementation
16 of those recommendations.

17 So the next upcoming key activity on the agenda
18 here is August 1st. There's a workshop coming up that will
19 cover some of those recommendations. This is a follow-up
20 workshop to the workshop that was held on May 16th, a
21 pretty packed agenda, but we had some really good
22 discussion as well. And so we're just looking to continue
23 the momentum on moving forward that conversation and making
24 sure that all the programs and pieces that are coming
25 together are providing maximum benefits to low-income

1 customers in disadvantaged communities.

2 So I should also mention that there's of course a
3 staff paper that's been developed and published that was on
4 energy equity indicators. That was prior to the May
5 workshop. Staff is working to revise that paper over the
6 next month and a half or so. And there'll be more
7 information provided on kind of that draft at the next
8 business meeting as an informational item.

9 I should also mention that the Public Utilities
10 Commission held an en banc last week on July 6th that was
11 related to this. Energy Commission was engaged in that.
12 Alana Mathews actually went down there and presented an
13 update on some of the lessons learned from the Barrier
14 Study process. So we're working closely with the CPUC as
15 we move forward with this implementation process as well.
16 So next slide, please.

17 Moving forward to the Doubling Energy Efficiency
18 Savings Track this is, of course, another one where there's
19 lots of stuff happening and lots of moving pieces. There
20 are a couple of staff papers that are currently in
21 development, one with the Energy Assessments Division and
22 one with the Efficiency Division, that are looking at the
23 ratepayer and non-ratepayer contributions towards
24 establishing these energy efficiency targets. There was a
25 workshop on June 19th last month to gather input and

1 feedback on proposed methodology for getting to
2 establishing these targets. And all this is leading up to
3 -- there are comments due on those, on the workshop. There
4 will be comments due on these two staff papers that are
5 coming together. Ultimately all of that will be compiled
6 into a single Commission Draft Report that will be vetted
7 at a workshop on September 7th, so later this year. And
8 then that's all leading up to consideration of adoption by
9 the November business meeting of this year.

10 And so lastly on this slide here you'll see the
11 Energy Data Collection Rulemaking. This has been another
12 one where there's, of course, lots of stuff happening here.
13 The schedule's a little bit behind from what we had posted
14 previously. And I think we're about 30 days, about a month
15 behind on that schedule. But we're still targeting
16 Consideration of Adoption later this year by November or
17 December of this year. I should say that staff is
18 targeting filing with the Office of Administrative Law this
19 initial Phase I rulemaking package by the end of this
20 month. And so we're proceeding on that track. And again
21 if there's questions about this -- I didn't get too far
22 into the weeds on any of the specific topics here, but
23 we'll be sure to brief Commissioners along that trajectory.

24 And then there's a couple of other things that
25 aren't listed on the slide here that are related, but

1 obviously the Renewable Portfolio Standard, you heard about
2 some revisions to the Guidebook that were adopted just
3 earlier in this meeting. And there's also going to be some
4 forthcoming update to the RPS Regulations for publicly
5 owned utilities that will be coming up later this year.

6 And then I also wanted to mention on the Assembly
7 Bill 802 Building Energy Use Benchmarking and Disclosure
8 Program that the rulemaking is proceeding there and staff
9 is working to update some revised regulatory language that
10 will be put out to the public within a month or so.

11 And so on that note I'll leave it there. I'm
12 happy to answer any questions that the Commissioners might
13 have.

14 COMMISSIONER DOUGLAS: Great. Thank you.

15 Any questions Commissioners?

16 We really appreciate the update, appreciate the
17 opportunity for briefing -- further briefings from you.
18 And let me just pause and ask, any public comment on this
19 item? It's not an action item it's a briefing, but if
20 anyone would like to make comment go ahead.

21 (No audible response.)

22 All right. Well, Michael we appreciate your
23 work, you and the team on the 350 Report and its
24 implementation.

25 MR. SOKOL: Thank you.

1 COMMISSIONER DOUGLAS: All right, Item 16,
2 possible approval of the June 14, 2017 Business Meeting
3 Minutes.

4 COMMISSIONER SCOTT: Move approval of the
5 minutes.

6 COMMISSIONER MCALLISTER: I'm going to abstain,
7 because I wasn't at that meeting.

8 COMMISSIONER DOUGLAS: All right.

9 COMMISSIONER HOCHSCHILD: Second.

10 COMMISSIONER DOUGLAS: All in favor?

11 (Ayes.)

12 COMMISSIONER DOUGLAS: The item is approved with
13 the three votes in favor and Commissioner McAllister
14 abstaining.

15 Item 17, Lead Commissioner or Presiding Member
16 Reports?

17 COMMISSIONER SCOTT: Okay. So, I have had a few
18 things - there's lots going on, there's always -- but a few
19 things that I would like to update you on that I've been up
20 to since I saw you last.

21 Right after the June business meeting I jumped on
22 an airplane and we did a Northeastern States' Tour, as we
23 called it. This was with the Governor's Office of Business
24 and Economic Development, the Air Resources Board, me, Air
25 Liquide, Toyota and Honda. And what we were working on is

1 Air Liquide, Toyota and Honda have put together a deal to
2 put 12 hydrogen stations in the Northeast Corridor. And we
3 just wanted a chance to go and talk to some of our friends
4 and compatriots in the northeastern states about
5 California's experience and just share some lessons
6 learned. And obviously the northeastern states can do this
7 how they would like to, but California just wanted to let
8 them know that we're here for them if they have questions
9 or that type of thing.

10 So we had a little bit of a whirlwind tour
11 between Wednesday night and Friday night when I returned we
12 went to Hartford, Providence, Albany and Boston and talked
13 with Governors' offices there. The environmental agencies
14 there, they're not all called Environmental Protection
15 Agency right, but the Department of Environmental Quality,
16 or which -- talked with folks about concerns about
17 permitting all kinds of things, talked a little bit about
18 funding. And so it was great to just let them know that of
19 course they have California's support as they build out
20 this infrastructure in the northeast.

21 The first station, we believe is going to open up
22 in Hartford sometime this summer, so it's very exciting;
23 like the ground has been broken on many of the 12 stations.
24 And the network and the network is getting going out in the
25 northeast, which is fantastic.

1 I had a chance a couple weeks ago, or maybe it
2 was last week, to go to the Advanced Energy Economy put on
3 a conference about the pathway to 2050. I -- surprise --
4 talked about electric vehicles and clean transportation and
5 the best ways for us to get there. Talked a little bit
6 about what the Energy Commission is doing in that space.
7 It was great. It was I think a really interesting panel.

8 They had this -- I don't know what you call it,
9 but like people could put in questions in real time. And
10 then you kind of watched them come up and then you'd be
11 able to answer questions that the audience was asking
12 about. So it was a great opportunity, I think to highlight
13 a little bit about what the Energy Commission is doing in
14 this really large, kind of very thoughtful, forward-looking
15 forum. Martha spoke at it as well, as did Commissioner
16 Hochschild. So that was a great conference.

17 I also wanted to mention that the Plug-in Vehicle
18 Collaborative is now wrapping up. It will transition into
19 the new organization called Veloz that I have talked with
20 you all about just a little bit. Christine Kehoe, who has
21 served as a fantastic Executive Director of the Plug-in
22 Vehicle Collaborative retired as of June 30th. So we're
23 sad to not get to work with her every day, but also very
24 excited to think of her, I don't know, hopefully having a
25 pina colada on a beach somewhere or something like that in

1 a well-deserved retirement.

2 So the Plug-in Vehicle Collaborative is wrapping
3 up and Veloz is just about to get launched. Commissioner
4 Hochschild may want to add some here. We had a kick-off
5 Board meeting for Veloz, it was yesterday. And we are
6 poised to adopt the bylaws, which will make it an official
7 501(c)(3), appoint the Board of Directors, and appoint the
8 officers of the Board of Directors. And once that happens
9 it's a real 501(c)(3) and off the Board of Directors will
10 go.

11 The idea is to do an Education and Awareness
12 Campaign and really raise the profile of electric vehicles,
13 because even here in California studies are showing 60 to
14 70 percent of people don't even know it's an option. So if
15 we're going to make this kind of transformation that we're
16 talking about in the transportation sector, people have to
17 know that they're options and be excited about potentially
18 picking that option as they're looking at what they'd like
19 to drive next. And so that's a really short version of
20 what the mission of Veloz will be.

21 And that's a little bit about what I've been up
22 to.

23 COMMISSIONER MCALLISTER: Great. Good stuff. So
24 by the way, I did go to the sign-off celebration for
25 Senator Kehoe. And I, you know, had worked with her in San

1 Diego and really value her, so I wanted to be there. But I
2 tried to channel you, so I know you couldn't make it,
3 because you were off. But yeah, she deserves a break and
4 just really she has a great legacy.

5 So I was not at the last business meeting, so
6 I've got a bit of a backlog and I'll try to be quick. So
7 just really a list of interesting things I wanted to
8 highlight. Last Wednesday I went down to San Diego just
9 for the day to do a groundbreaking/press event for a ZNE
10 main building at a campus, at one of the schools for a San
11 Diego Unified School District.

12 And so they're using a combo of Prop 39 funding
13 and some ratepayer funds from the Energy Efficiency
14 Portfolio at SDG&E. And just wanted to call them out for
15 their vision and their good planning and their enthusiasm
16 and just all the wonderful things they are doing at San
17 Diego Unified. They really are an example for this state.
18 You know, a big school district, they can dedicate
19 resources and personnel to this sort of thing. But they
20 really are a model that others ought to look at as is L.A.
21 Unified and some of the other large ones. But San Diego, I
22 think, is notable just because they have such a plan in
23 place that's very detailed and they're implementing it
24 well. And they're doing all this with a great vision about
25 how to improve life for their students and their students'

1 families and their teachers. So it's really a great effort
2 they're doing.

3 The week before I actually went, I did kind of a
4 whirlwind trip even further east to Paris and Brussels.
5 And initially got an invite from the International Energy
6 Agency to go over and participate in their annual now,
7 energy efficiency powwow. So they get all of their members
8 together and they talk about energy efficiency. And it's
9 actually really amazing that they have been able to build
10 an Energy Efficiency Office and give it staying power.

11 So now it's got -- it's a relatively conservative
12 organization -- they now have a really solid Energy
13 Efficiency Office in their main office in Paris and a lot
14 of enthusiasm across the membership and having a big
15 impact. And they have the support all the way up to the
16 top, so I wanted to help that effort. And they needed
17 somebody from the U.S. to come wave the flag and reassure
18 our allies that we're all in, so that sort of diplomacy
19 increasingly is kind of falling to California. I mean, I'm
20 not sure how much we ought to embrace it, but I think there
21 is a vacuum there that we owe it to ourselves and others to
22 try to fill. So I wanted to be there to support that.

23 But there is so much going on across the world
24 that people could teach us and the could draw from our
25 experience. And the Germans, the Irish are building

1 essentially an academic research organization on behavioral
2 issues around energy use. And it's going to be great. And
3 they envision it as something that academics from all
4 across the world could come and sit at. And they're
5 committed to housing it. And hopefully they'll get funding
6 from other countries across the IA Membership, for example.
7 So anyway, it was very positive.

8 And then I went for a day for meetings at the
9 European Commission. And again, they are doing -- it's a
10 little bit like bizarre, because their system is different
11 and so it doesn't quite map between here and there. But
12 the European Commission and all of its membership has goals
13 for climate. They're obviously all in on Paris. And they
14 are interested in working with us on appliance of
15 Efficiency Standards and test procedures and building codes
16 and some of the technical issues that they are facing.

17 And so I want to sort of start the conversation
18 on this end how we can productively participate in those
19 within our means. I mean obviously our job one is here in
20 California, but I think there is a lot of opportunity for
21 collaboration that could be very fruitful, so we have to
22 smart about it.

23 On June 20th actually the reason I missed the
24 business meeting is I went to my 30th college reunion,
25 which was great. So thank you for indulging me with that.

1 I'd never been to one before and it exceeded expectation.

2 But on the way back I swung by D.C. and went to a
3 meeting that the Center for Strategic and International
4 Studies put together on India. And India's kind of next in
5 line, right. We've got Mexico we're working with, China
6 obviously we're doing a lot with.

7 And India is sort of the next big economy and the
8 next big carbon footprint and they have just an incredible
9 amount of diversity and potential for technology
10 development implementation. So the states of India, their
11 system is kind of similar to us, where the states kind of
12 do run the show in a lot of respects. A lot of the policy
13 decisions are made at the state level in a federal system
14 like ours. And so there's a lot of interest in California
15 participating in this long-term effort. It's got some
16 funding behind to build partnerships across with individual
17 states of India.

18 And so they convened a meeting in D.C. to kind of
19 get the ball rolling on that. And it was actually really
20 productive. They've got academics, they've got a bunch of
21 different states on this end. And they've done a lot of
22 work on the India side to figure out which states need what
23 kinds of help and resources and have potential for
24 technology development. So that will be an ongoing thing,
25 I think. We'll see sort of what the effort looks like,

1 going forward.

2 And then in late May sort of between business
3 meetings the, I guess, just a bunch of events I wanted to
4 highlight, there's several of them.

5 Let's see, SDG&E did their Annual Energy
6 Efficiency Showcase. So that's always sort of like a
7 Oscars of energy efficiency, so that's always a fun time
8 and just a lot of great projects getting highlighted there.

9 I did a keynote at the Build It Green annual
10 Beyond Energy Efficiency Conference. And those were just
11 rapid succession the same week. I think it was the same
12 week as the Retail Choice En Banc that President Picker and
13 Chair Weisenmiller put together, as well. So it was a
14 really heady week.

15 But I just came away from all of that incredibly
16 gratified and impressed with the level of engagement and
17 just the depth and complexity and subtleness of -- subtlety
18 I guess -- of understanding across the state and just the
19 drive from the advocacy community, the policy makers to the
20 utilities and stakeholders, just (indiscernible) equity
21 people, environmental justice folks, that these
22 conversations are happening. And the contrast with D.C. is
23 just palpable.

24 And so we're pushing clean energy, we're pushing
25 the same cart in the same direction. And we're going to

1 have much more advanced buildings across the state as a
2 result. So I'm just really -- I know I'm sounding
3 optimistic this whole meeting, but I think that's because I
4 am optimistic.

5 Let's see, I wanted to just highlight the Retail
6 Choice En Banc, because I think maybe the Chair and I were
7 the only ones there -- oh no, you were there too, Karen,
8 right. So Commissioner Douglas was there as well. And
9 maybe you can give your view of this, but I thought it was
10 a really great conversation. And I'm hopeful that it'll be
11 able to continue.

12 I think if we're going to get to the smart grid
13 and a well-functioning, well-oiled machine with all of its
14 distributed qualities in a reliable and cost-effective way,
15 working through some of those problems, some of the
16 problems that are highlighted, how to get responsiveness in
17 buildings. Obviously, the rate regime is something I'm
18 very interested in, in sort of thinking about how we can
19 evolve. But how do we do consumers, right? How do we make
20 sure that we're investing in the right things and that
21 consumers see the benefits? So I'm hoping and definitely
22 encouraging that conversation to continue.

23 Let's see, so since the May meeting -- actually I
24 just realized this this morning when I was thinking about
25 my comments -- I've gone through my entire reconfirmation

1 process from every step of it, so anyway happy to report
2 that it turned out well. I'm here, sitting here today, so
3 that's good. But again, I was just really heartened by the
4 process. The Rules Committee, all five members were very
5 engaged and engaging and interested. We had a substantive
6 discussion. They represent an incredibly diverse array of
7 constituents and locales and climates in all across the
8 state and were uniformly interest in serving their
9 constituents and making the right decisions. And really
10 having in-depth conversations about how we could help them
11 do that.

12 And certainly they will take us to task and did
13 take us to task on things that they may not agree with or
14 they want us to do. And that's all good. And so I just
15 found the conversations to be civil and productive and
16 substantive. And just really the way you sort of envision
17 policy development in politics working in the best world.
18 So anyway, I liked the process.

19 Obviously, it's a challenge to sort of be on-
20 point and up-to-speed on all your issues and be articulate,
21 which is good. I really enjoyed the conversations that I
22 had with them. And certainly feel that our elected
23 officials -- those on rules and then further down the road,
24 in a full Senate vote -- they're trying to do the right
25 thing as a rule. So, that's excellent.

1 Let's see, and just a couple of thank-yous
2 actually, here. Well, a welcome and a thank-you. So, I
3 wanted to just call out Anthony Hough (phonetic) right back
4 there, he's raising his hand. He's from Stanford. He's in
5 my office for a few months as part of the Stanford Intern
6 Program. I see there are a few others there. And I'm just
7 incredibly impressed. He's gotten up to speed really quick
8 and started adding value basically, immediately and just
9 easy to work with and really quality, by all accounts. So
10 thanks Anthony for being here. And I'm really looking
11 forward to working with you.

12 And then finally I wanted to just thank my staff,
13 Martha Brook and Brian Early, as well as Dave Ashuckian and
14 Sylvia Bender in their divisions, for all the work on the
15 SB 350 doubling. Michael mentioned it a little bit earlier
16 at a high level, but there is a lot of heavy lifting with
17 respect to defining the goals for what a doubling means,
18 for trying to figure where those savings are going to come
19 from, for looking at areas that we may not be as confident
20 that those savings are going to show up. And figuring out
21 what the pathways to building markets so that they do
22 actually happen might be.

23 And it's great to have two divisions working on
24 this. They're bringing their own skillsets. And part of
25 the challenge is sort of getting them all knitted together

1 in a logical and consistent way. But I'm confident that
2 we'll do that. They, both divisions, are at heart are a
3 bunch of really great people, a number of great people to
4 work on this in the last few months. And so I think all of
5 the conditions are in place. But Brian and Marth and Dave
6 and Sylvia have really helped make sure that the messaging
7 and sort of the coordination and organization is firing on
8 all cylinders. And so I just wanted to express my
9 appreciation for that as well.

10 So we're partway there and a lot of work to do,
11 but I think we have all the conditions in place. So
12 anyway, thanks very much.

13 COMMISSIONER DOUGLAS: All right, thank you.

14 And Commissioner Hochschild?

15 COMMISSIONER HOCHSCHILD: Well first let me just
16 thank Commissioner McAllister who -- I think I was in
17 Mexico giving a talk -- it was last May. So this goes back
18 to May when we had a very, very successful two-day
19 symposium on division of electrification in all sectors and
20 ultimately getting 200 percent renewables in. Commissioner
21 McAllister led a really lively session on Efficiency's role
22 in that. And great talks from Senate Pro Tempore de Leon.
23 We had Chris Lee, who's the author of Hawaii's 100 percent
24 renewable energy law spoke. David Freeman gave a very
25 colorful speech with a big ten-gallon cowboy hat on and

1 David Olsen from the ISO and just great collaboration from
2 the UC system, as well.

3 We hosted this at UC Irvine, about 200 people.
4 And it was just nice to see the nexus between all these
5 different sectors. And you're seeing that increasingly.
6 The AE Symposium touched on those things. SVLG, the Silicon
7 Valley Leadership Group, just did a very similar one also a
8 few weeks ago. And VERGE in another month or two is doing
9 the same one. So I feel like this is a new trend and it's
10 very, very timely, so my gratitude to you for speaking at
11 that.

12 I also want to thank Commissioner Scott for this
13 terrific effort to get Veloz launched. She really worked
14 very diligently and hard to get this new non-profit
15 launched. There's a word in the military where you are
16 told to volunteer, I think it's "voluntold," so I am Chair
17 of this thing and I think it's -- But I will say this,
18 actually, the collection of folks involved is all the major
19 stakeholders from utilities to EV manufacturers to non-
20 profits and other stakeholders. And it really is, I think,
21 representing this sort of nexus we're seeing now with
22 renewables and electric vehicles coming together, because
23 they actually need each other. And so, I just want to
24 compliment Commissioner Scott for getting that going.

25 I also just want to point out my three Summer

1 Fellows: Aisha Kurai is here, just finished at Harvard, is
2 here for the summer. Ignacio Mendez and Isaac, both from
3 Stanford, and they're working on a benefit study around 5
4 million electric vehicles for the State of California.
5 What does that mean for our electric grid and what are the
6 benefits for integration as well as air pollution, sound
7 pollution, water pollution reduction, job creation and so
8 on.

9 And as part of this I've promised to try to
10 introduce them to as many energy leaders here and you are
11 all on their hit list. They'd really benefit from time
12 with all of you as they spend their summer working on this
13 project. Great to have you guys here.

14 And in discussions with Stanford, by the way, I
15 just spoke with them again. They are going to be looking
16 at possibly creating one-year fellowship, which would be
17 terrific to a year-long fellowship in the future. We could
18 certainly make use of that.

19 Let's see, I guess the only news on my end, I
20 have not yet gotten a speeding ticket in my EV, which is
21 good, because I am driving fast. So I will call that a
22 victory.

23 I guess the only other thing that's on my plate
24 today, I'm going down -- there's a big International Solar
25 Conference, InterSolar, at the Moscone Center in San

1 Francisco -- and there's going to be a big launch of a Jobs
2 Tour, a National Solar and Wind Jobs Tour that's going out
3 to all these sites that are manufacturing components for
4 wind and solar around the country and highlighting those
5 jobs. There's more jobs in the solar industry in West
6 Virginia than in the coal industry today, but nobody knows
7 that. And that's part of the task, I think, is to
8 highlight that.

9 And we're, of course, leading that here with
10 100,000 jobs due in no small measure to what began here at
11 the Energy Commission. So I'm happy to help get the word
12 out on that.

13 I will be going on vacation July 18th back east
14 and returning August 4th So that's my update.

15 COMMISSIONER DOUGLAS: All right, thank you.

16 And my update's fairly brief. There's a vacation
17 in there, some number of IEPR workshops of various sorts,
18 and siting-related status conferences and things like that.

19 We did do two WebExes on June 30th on just the
20 continued outreach to tribes on the possibility of offshore
21 wind off of the California coast. And it just is a very
22 early-stage awareness raising and informal dialogue.

23 And I had the opportunity to participate, at the
24 Center for Law, Energy and the Environment, in a very
25 interesting kind of day-long dialogue on landscape planning

1 and solar development. And so those are two items I'll
2 report out on.

3 But I think at this point let's go on to the
4 Chief Counsel's Report.

5 MS. VACCARO: Nothing today.

6 COMMISSIONER DOUGLAS: All right, Executive
7 Director's Report?

8 MR. OGLESBY: Thank you. The Governor signed the
9 budget. And there's a number of true legals (phonetic)
10 that have been signed. A few more expected to be acted on
11 soon. I was going to give a report on the budget, but then
12 given that the Chair is absent and he is keenly interested
13 in that I think I'll divert -- with your permission I'll
14 defer that into the next business meeting.

15 I'll add on the Chair is out this week and I was
16 lucky enough to be able to represent him on Monday in a
17 meeting with the Governor and top-level officials of the
18 Chinese Szechuan Province. And the Governor of that
19 province, which represents 90 million people and is one of
20 the leadership areas of the country for innovative energy
21 and development of sustainable and more progressive energy
22 grid, was basically returning the favor of the visit to the
23 Governor, following up on the Governor and our Chair's
24 visit to China just a short while ago.

25 So it was a very interesting event to be included

1 in. And it's good to see that our relationships and our
2 messages and our technology in sharing, we've entered into
3 a memorandum agreement with that province, are continuing
4 to show promise, prosper and progress. Thanks.

5 COMMISSIONER DOUGLAS: Great. Thank you.

6 Public Adviser's Report?

7 MS. MURIMI: Thank you, Commissioners. The
8 Public Adviser is -- my name is Eunice Murimi. I am
9 speaking on behalf of the Public Adviser today, so I
10 appreciate everyone's time.

11 The Public Adviser continues to receive calls of
12 a wide variety regarding SB 350 as well as recently a lot
13 of siting-related matters. For telephone calls we had four
14 specific on siting cases. One just regarding connectivity
15 issues on WebEx, another from lawyers representing Earth
16 Justice wanting to know if matters happening on Mission --
17 matters happening on the Puente case would be related to
18 things happening on Mission Rock as well, due to the
19 similarities. Pardon me, another from the Office of
20 Supervisor Kelly Long, Ventura County, District 3, asked
21 various questions on stages of the siting process. And he
22 had been receiving questions from the media wanting to know
23 and so he got clarification and more information from our
24 office.

25 As for notices, we had 24 notices signed: 1 from

1 Siting, Renewables Office, 7; IEPR received 9 -- we
2 received 9 documents from them as well as Efficiency, 4.
3 And from the Office of the Chief Counsel, 1.

4 We had a variety of emails. Most emails were
5 questions regarding workshops as well as one from staff
6 requesting assistance on a call that was addressed in this
7 document that will be submitted.

8 Another, Public Adviser's Office received an
9 email from an individual. And this was forwarded over to
10 Security and the matter is being looked at by Legal as well
11 as outside parties.

12 In terms of Siting, Rosemary Avalos attended all
13 Puente status conferences for the month of June. She also
14 attended e-filing meetings and as well as weekly Siting
15 meetings. In the month of June she attended the Lead
16 Commissioner meeting for Transportation as well as the one
17 for Renewable.

18 For SB 350, Alana Mathews attended a variety of
19 internal task force-related meetings for the SB 350 Low-
20 Income Barrier Study. As well as recently on the 5th she
21 presented the status for the SB 350 Low-Income Barrier
22 Studies to the CPUC.

23 In other meetings Alana and her office did host
24 the California Energy Commission's Third Annual Summer
25 Institute with the students from the Florin High School,

1 who did present today. I want to extend thanks to the
2 entire Commission, the Commissioners, as well as staff who
3 assisted students as they asked questions, learned more
4 about what we do here as well as what happens in the
5 industry.

6 And that is all that we have to present at this
7 time. Thank you.

8 COMMISSIONER DOUGLAS: All right. Thank you very
9 much. Is there any public comment?

10 (No audible response.)

11 COMMISSIONER DOUGLAS: Okay, hearing none, we'll
12 be adjourned.

13 (Adjourned at 12:05 P.M.)

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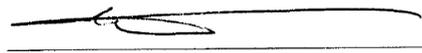
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REPORTER'S CERTIFICATE

I do hereby certify that the testimony in the foregoing hearing was taken at the time and place therein stated; that the testimony of said witnesses were reported by me, a certified electronic court reporter and a disinterested person, and was under my supervision thereafter transcribed into typewriting.

And I further certify that I am not of counsel or attorney for either or any of the parties to said hearing nor in any way interested in the outcome of the cause named in said caption.

IN WITNESS WHEREOF, I have hereunto set my hand this 19th day of July, 2017.



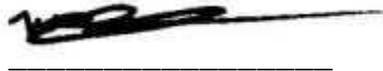
PETER PETTY
CER**D-493
Notary Public

TRANSCRIBER'S CERTIFICATE

I do hereby certify that the testimony in the foregoing hearing was taken at the time and place therein stated; that the testimony of said witnesses were transcribed by me, a certified transcriber and a disinterested person, and was under my supervision thereafter transcribed into typewriting.

And I further certify that I am not of counsel or attorney for either or any of the parties to said hearing nor in any way interested in the outcome of the cause named in said caption.

IN WITNESS WHEREOF, I have hereunto set my hand this 19th day of July, 2017.



Myra Severtson
Certified Transcriber
AAERT No. CET**D-852