

## DOCKETED

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

## APPEARANCES

### Commissioners

Robert Weisenmiller, Chair  
Karen Douglas  
Janea Scott  
David Hochschild  
Andrew McAllister

### Staff Present:

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

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Ostap Loredon-Contreras	5
Gina Barkalow	6
Joshua Croft	7
Andrew Hom	8
Michael Sokol	9

Others Present (\* Via WebEx)

### Interested Parties

Daniel Hashimi from SCPPA	3
Jay Lenzmeier, ConSol Home Energy Efficiency Rating Services, CHEERS	4

### Public Comment (\* Via WebEx)

Ron Orenstein, Ormat Technologies	3
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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.
- c. The licensing process for a nuclear waste storage repository at Yucca Mountain, Nevada.
- d. Alternative and Renewable Fuel and Vehicle Technology Program grant ARV-10-016 with the City of San Jose, including its subcontractor JUM Global, and the lawsuit between the two (5:16-cv-01462-HRL, United States District Court, Northern District of California [San Jose]).

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P R O C E E D I N G S

SEPTEMBER 13, 2017 10:05 a.m.

CHAIRMAN WEISENMILLER: Good morning. Let's start the meeting with the Pledge of Allegiance.

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

CHAIRMAN WEISENMILLER: Good morning. I wanted to start out the meeting with a minute of silence and it's been sort of a tough time. So in terms of just from the personal to the global, but basically I wanted to do this in honor of Lesley McAllister, also Don Kondoleon. Also we've had a lot of losses in Houston from Harvey, in Florida from Irma, and in Mexico from the earthquake. So please.

(Whereupon, a moment of silence was observed.)

CHAIRMAN WEISENMILLER: Okay. I think in terms of today's meeting, just giving you a sense of the flow, we are now going to basically honor Rob Oglesby, our Executive Director. Then we will go through our Business Meeting items and at roughly 11, the Petroleum Market Advisory Committee which is meeting now, will come over. And we have a resolution for them. And after we get through, or at least somewhere around noon, we will have a closed

1 session today.

2           So with that, let me start, kick off items for  
3 Rob. We have -- obviously Rob's done a phenomenal job  
4 here. It's been a real pleasure to work with him and I  
5 think really widely recognized as sort of a key part of the  
6 team here. And really has done a great job, both in  
7 resetting our relationship with the Legislature and  
8 tightening up our management structures.

9           So actually what I'm going to do -- he's done  
10 such a great job, I have a letter from the Governor, I have  
11 a resolution from us and a resolution from the Legislature  
12 -- and I'm going to read the entire letter from the  
13 Governor. I'm going to read some highlights from our  
14 resolution. And we're going to -- okay, yes we even have  
15 it on the screen -- so I would ask people to put on the  
16 screen the resolutions, so that you didn't have to hear me  
17 drone on for a long time.

18           But anyway, let me start with the Governor's  
19 letter. The Governor always is pretty concise. And so  
20 this is a letter to Rob from the Governor saying,  
21 "Congratulations on your retirement from the California  
22 Energy Commission. Public service is challenging, but  
23 rewarding work and I commend you for choosing a career  
24 serving our golden state. The Energy Commission has  
25 established itself as a leader in worldwide efforts to

1 effectively manage climate change. I place a high value on  
2 its work and recognize the role you have performed as the  
3 Executive Director since 2011. I hope your retirement is  
4 rewarding and you enjoy it to the fullest."

5 Now, in terms of our -- I see -- I'll do the  
6 legislative one and then go to ours, so that we have ours  
7 on the screen, so let's do it in this fashion.

8 So basically I have a resolution signed by Senate  
9 President pro Tem Kevin de Leon, Senator Bill Dodd and  
10 Assembly Member Cecilia Aguiar-Curry. The latter two  
11 represent your home districts.

12 It states, "Whereas Robert Oglesby was selected  
13 as the Legislative Director for the California Air  
14 Resources Board by Governor Pete Wilson, in which capacity  
15 he served as an appointee under four governors: Governor  
16 Peter Wilson, Gray Davis, Arnold Schwarzenegger and Jerry  
17 Brown. And whereas over the next two decades Rob Oglesby  
18 played an integral role in developing groundbreaking  
19 legislation in roles to fight air pollution and global  
20 warming, including the low and zero emission vehicle  
21 standards, reformulated gasoline and diesel roles in the  
22 California Global Warming Solutions Act of 2006, AB 32."

23 Now let me conclude by highlighting some of what  
24 is included in the resolution, signed by the Commissioners  
25 of the California Energy Commission.

1           It states, "Whereas Rob was appointed to  
2   Executive Director of the California Energy Commission in  
3   June 2011; and

4           "Whereas when Rob arrived at the Energy  
5   Commission the State Auditor had reported that the Energy  
6   Commission was at risk for failing to use \$314 million that  
7   the U.S. Department of Energy had awarded the agency in the  
8   American Recovery and Reinvestment Act, ARRA funds, with  
9   Rob's leadership the Energy Commission succeeded to put all  
10   the funds to good use for clean energy projects; and

11           "Whereas Rob recruited and hired excellent staff  
12   and established new policies, programs and business  
13   practices to improve the workforce at the Energy Commission  
14   and foster professional development of the Energy  
15   Commission staff, and

16           "Whereas Rob established the Energy Commission's  
17   first Office of Audits, Investigations and Program Review,  
18   and its first Office of Compliance Assistance and  
19   Enforcement, to ensure that public funds are spent  
20   appropriately and have led to hundreds of thousands of  
21   dollars in savings to the public.

22           "And now, therefore be it resolved that the  
23   Energy Commission recognizes and commends Robert P. Oglesby  
24   for his extraordinary diligence and professional  
25   contributions to the wellbeing of the residents of

1 California and their environment, and for reminding us that  
2 being a public servant is an honorable goal, and wish him  
3 good health and all the best in his future endeavors."

4 But again, we --

5 (Applause.)

6 CHAIRMAN WEISENMILLER: -- have a lot more up on  
7 the screen and certainly for people to read. But again I  
8 think it was really critical for this agency on the ARRA  
9 funds to get that done. It was really critical. And we've  
10 been in a transition phase, as people know, with a lot of  
11 existing staff retiring, and with both challenges and  
12 opportunities to bring in a lot of great new staff.

13 And finally, it was very important in terms of  
14 public trust and confidence in us, that we have a very  
15 strong Office of Audits, Investigations and Program Review  
16 and our Office of Compliance, Assistance and Enforcements.  
17 So again, we could spend a lot more time talking about  
18 Rob's contributions, but I think those are certainly at  
19 least the ones I would consider among the highlights.

20 COMMISSIONER SCOTT: Should we make

21 (indiscernible) --

22 CHAIRMAN WEISENMILLER: Yeah, please. Please.

23 COMMISSIONER SCOTT: Excellent. Well Rob, I just  
24 wanted to say that we are really going to miss having you  
25 here. It's been a true honor and privilege to get to work

12

1 with you. I appreciate the dedication that you have  
2 brought to the Energy Commission and to state service.

3           You have set I think clear expectations and high  
4 standards and that's brought a whole new level of  
5 professionalism to the Energy Commission. I appreciate  
6 your pragmatism. How you always asked the tough questions  
7 and demand quality products. I like how you always come to  
8 check on us in the morning before a business meeting to  
9 make sure that everything is okay, it's all well. And to  
10 flag any last-minute issues or concerns, which there  
11 usually aren't, because of the clear expectations and high  
12 standards that you have set for folks and bringing to this  
13 work.

14           On a personal note it has been really great  
15 getting to know you. It's fun to hear stories about your  
16 wonderful boys, about your wine-making experiments and  
17 about your biking adventures. So it's just been a real  
18 pleasure to have you as a colleague.

19           Not everyone has the ability to say that they're  
20 leaving the place where they work a better place than it  
21 was before they came, but without a doubt you certainly  
22 can. So thank you so much for your dedication to the  
23 Energy Commission and to the State of California. We'll  
24 really miss you. And I wish you a wonderful retirement,  
25 filled with plenty of rest and relaxation, but also a lot

1 of adventure and fun.

2 So thank you very much.

3 COMMISSIONER MCALLISTER: So Rob and I came to  
4 the Energy Commission right about the same time and we've  
5 since then developed a nice codependent relationship.  
6 Actually, I being much more co-dependent than you probably.  
7 But I learned so much just getting -- this is my first time  
8 in state service and just experience that Rob brought to  
9 the Commission -- you know, has accumulated through his  
10 whole career is just mind boggling. And so on a  
11 professional level just that knowledge, that deep knowledge  
12 of state service and a strategic thinking ability, is  
13 uncommon in and of itself. And then just when you combine  
14 that with an incredible work ethic and it just adds up to a  
15 really transformational role that you've played at the  
16 Energy Commission.

17 And so I just have seen that play out in real  
18 time and taken advantage of learning from it. And I have  
19 just really appreciated that, you know, in addition to the  
20 things that the Chair said that are clear and we all know,  
21 I just wanted to highlight that for me personally.

22 And then on a personal level I will certainly  
23 miss riding bikes with Rob and also our discussions about  
24 home improvement projects, which I like to think I added a  
25 little value to your experiences there. And there's

1 nothing like actually getting your hands dirty when you're  
2 in state service in this realm to understand how projects  
3 actually work in the real world. And I've appreciate that  
4 realism and that willingness to roll up the sleeves and dig  
5 in deeply into the details in order to get it right,  
6 because that's what people expect from us. And our  
7 partnership has been sort of precious at that level. So  
8 thank you very, very much Rob.

9           And I think you're going to have your nose -- it  
10 sounds like you're going to have your nose to the  
11 grindstone until the bitter end, so hopefully the ejection  
12 into the flight path out there with a much broader horizon  
13 isn't too traumatic. But I'm sure you'll find something  
14 really productive and wonderful to do. So and with your  
15 beautiful wife, so I really think I have high hopes for the  
16 next phase of your life and I'll be looking forward to  
17 keeping in touch. So thanks very much.

18           COMMISSIONER DOUGLAS: So I just wanted to say I  
19 join wholeheartedly in the comments of my colleagues. It's  
20 been a real pleasure to work with you, Rob. And you've  
21 brought tremendous value and just professionalism and  
22 desire to get the work done. And you've set a great  
23 example for all of us in managing the day-to-day affairs in  
24 the Energy Commission and always inspiring people to meet  
25 goals and meet deadlines, get the work done and keep the



1 eye on the prize and the bigger goals and the bigger  
2 mission that we're all working towards. So I've  
3 appreciated working with you.

4 Of course I've especially appreciated some of the  
5 enforcement work that you've done, just in terms of getting  
6 in place the systems for the Appliance Enforcement  
7 Authority, getting in place some expertise, both internally  
8 and from other agencies to help us bring that as well to  
9 the renewables and to the siting side. And it's been --  
10 that's just one picture, one of many things that you've  
11 brought us from your background.

12 And so, of course I wish you well, and would also  
13 love to be in touch and hope that you won't be entirely  
14 absent from Davis. Although I know that you've probably  
15 got the Central Coast in your sites pretty soon. So anyway  
16 thanks for everything.

17 COMMISSIONER HOCHSCHILD: Well, I'd actually like  
18 to just take a minute to acknowledge the Chair for hiring  
19 Rob and leading that effort. That was one of the most  
20 important decisions that can be made and really a wise  
21 decision. And I want to thank you, personally Bob, for  
22 taking that initiative.

23 When I first got to know Rob, he was a little bit  
24 impassive, a poker face, hard to tell kind of what's going  
25 on there. But as I got to know you, I just realized the

1 wheels are always turning. And when I'm looking at a job  
2 like yours I'm looking for somebody to have, first and  
3 foremost, integrity and competence and diplomacy. But most  
4 of all the fire in the belly, to treat it like a mission  
5 more than a job, which is something you've done.

6 And so I too have a little gift I want to give  
7 you today from all of us, which is a jar of honey from my  
8 bee hive. I've been a bee keeper for the last 12 years.  
9 And honey bees actually have some lessons for us all, I  
10 think, because they have collective intelligence. They  
11 make their best decisions together. And I just think  
12 that's what we actually strive to do throughout the  
13 Commission, so I want to thank you for running this hive so  
14 successfully.

15 (Off mic colloquy.)

16 CHAIRMAN WEISENMILLER: I was just going to ask,  
17 Rob, do you want to say a few words and then we'll pass out  
18 resolutions and pictures?

19 MR. OGLESBY: Just a couple words very briefly.  
20 First, I've been honored to have a long and productive  
21 career. And in public service been honored to work on a  
22 number of projects that I think really have made a  
23 difference, to be part of a mission to help make the world  
24 a better place as part of public service. And so I've been  
25 grateful and honored to have a challenging and long public

1 service career, both at the Air Resources Board and now at  
2 the Energy Commission.

3           At the Energy Commission, I have to say that this  
4 has been the highest achievement, the caper, for my  
5 career. I feel very proud to have had the opportunity to  
6 work on a continuation of the policies that help advance  
7 clean energy and sustainable energy and sensible and  
8 efficient energy resources in the state. And to appreciate  
9 the fact that the impacts of this Commission extend beyond  
10 the borders of the state of California, help influence what  
11 happens in the rest of the nation and the world. And just  
12 being a small piece of that has been a very humbling and  
13 satisfying experience in our career path.

14           And I certainly appreciate the kind words and  
15 recognitions that you've shared with me today. And I take  
16 those with me and will always take those with me. But  
17 suffice it to say that clearly it's always been a career  
18 and achievements that you pursue as part of a team and with  
19 the support of many, many others. And here at the Energy  
20 Commission it begins with the Chair and the Commissioners  
21 providing excellent leadership and guidance and words of  
22 advice and the policy perspectives that are always  
23 beneficial.

24           It extends down to Chief Deputy Drew Bohan who's  
25 been my right hand through these years and has done much,

1 much, much heavy lifting and long days and provided great  
2 counseling and advice. And it extends to the entire  
3 management team here at the Energy Commission, who have  
4 dedicated themselves to achieving our missions in the most  
5 cost effective and wise ways that we can pursue. And it's  
6 always a challenging environment where there are trade-offs  
7 and sacrifices and often choices that are choosing between  
8 non-perfect solutions and doing the best you can.

9 And finally, to all the staff at the Energy  
10 Commission who have responded to our calls for performance,  
11 service, excellence and accountability, as we've gone  
12 forward. So with that I want to thank you again for this  
13 day and thank you for the opportunity to serve you and  
14 serve the Commission and serve California in the capacity  
15 as Executive Director.

16 (Applause and photo op colloquy.)

17 CHAIRMAN WEISENMILLER: Okay. We have a slight  
18 change of plans. I originally thought we'd go from Rob to  
19 the Petroleum Market Advisory Committee, but I understood  
20 they were meeting and were not going to be available right  
21 now. It turns out they are available now, so let's go to  
22 that.

23 COMMISSIONER SCOTT: Okay. So I want to just  
24 take just a couple of minutes to say thank you so much to  
25 our Petroleum Market Advisory Committee.

1           Back in 2013, Governor Brown asked the Energy  
2 Commission to pull together a group of experts to evaluate  
3 petroleum market trends and price volatilities and that's  
4 exactly what they did. We pulled together here in  
5 California, a great group of folks with a diverse range of  
6 expertise to help us better understand what was going on in  
7 the petroleum market in California.

8           Over the course of a few years and several  
9 meetings this group has done an excellent job of digging  
10 into various components of the fuel systems and how they  
11 all fit together. They have identified key concerns,  
12 potential solutions, and areas where we could consider  
13 investing additional resources to build off of the  
14 foundation of work that has been done. The Petroleum  
15 Market Advisory Committee also pulled together a great  
16 report that summarizes a lot of the information that's been  
17 learned and gathered over the last couple of years.

18           So with that, I would like to read and present  
19 the resolution that we have for you which is:

20           "Whereas the Petroleum Market Advisory Committee  
21 was established to better understand factors and conditions  
22 related to petroleum price fluctuations, impacts on  
23 consumers and policy options that may affect markets; and

24           "Whereas the Petroleum Market Advisory Committee  
25 was composed of five leading petroleum fuels market experts

1 appointed by the California Energy Commission to provide  
2 state regulators with independent advice and expertise on  
3 issues affecting the petroleum market; and

4 "Whereas each Committee member was chosen due to  
5 their accomplished backgrounds, expertise and unique  
6 perspectives that collectively provided the requisite  
7 intellect for state regulators to better understand  
8 California's petroleum market; and

9 "Whereas Committee members generously volunteered  
10 their time and expertise, contributing valuable insights,  
11 perspectives and guidance throughout the three-year long  
12 fact finding and report preparation process; and

13 "Whereas the Petroleum Market Advisory Committee  
14 conducted a series of public meetings that assessed impacts  
15 ranging from local policies to global events and  
16 successfully identified several gasoline market anomalies  
17 that appeared to be new trends in California; and

18 "Whereas the Petroleum Market Advisory Committee,  
19 through its dedication and commitment to its purpose has  
20 provided state regulators with added expertise to make  
21 decisions based in sound judgment.

22 "Therefore be it resolved that the Energy  
23 Commission acknowledges and extends its gratitude to  
24 Severin Borenstein, thank you for being here; to Kathleen  
25 Foote, who is also here, thank you so much; and to Dave

1 Hackett, and to Amy Myers Jaffe, and James Sweeney for  
2 their dedicated service to the Energy Commission and their  
3 notable contributions to better understanding volatilities  
4 within California's petroleum markets.

5 Thank you so very much for the great work that  
6 you've done for the Energy Commission. We really  
7 appreciate it.

8 MR. BORENSTEIN: Thank you.

9 (Applause.)

10 CHAIRMAN WEISENMILLER: Let's see if they want to  
11 say a few words.

12 COMMISSIONER SCOTT: Oh, I'm sorry. Would you  
13 like to say any words? (Laughter.)

14 MR. BORENSTEIN: Thank you very much for your  
15 support and acknowledgement of the work that the Committee  
16 did. We hope that the final report helps to guide future  
17 state policy in this area. The last section of our final  
18 report is very adamant in suggesting that future work does  
19 need to be done in this area. This is an ongoing concern.  
20 And that more state resources from somewhere need to be  
21 applied to address this pressing problem in the California  
22 gasoline market.

23 Thank you very much for your support.

24 COMMISSIONER SCOTT: Okay. Thank you.

25 MR. BORENSTEIN: And Kathleen?

1           MS. FOOTE: Thanks. I'd like to thank you very  
2 much for the opportunity to participate in the Committee.  
3 It was a real privilege not only to get to know the experts  
4 on the Committee. I consider the rest of them experts,  
5 more than myself. And it was a special privilege to learn  
6 more about the work of the Commission itself and your  
7 extraordinary staff.

8           It's been a great benefit to my office, the Anti-  
9 Trust Unit of the Attorney General's Office, to be able to  
10 better understand the information that is available and the  
11 resources that are available here.

12           And I think that for all of the difficulties that  
13 one labors under as members of the public, of a public  
14 Commission, and all the frustrations that the experts  
15 experienced at times in the limitations of the Brown Act  
16 and so forth I think it was a very valuable exercise. And  
17 a great privilege, as I said. Thank you all.

18           MR. BORENSTEIN: Actually if I can -- I didn't  
19 prepare, so I failed to make one comment, which is well all  
20 of the CEC staff were fabulous. I want to especially call  
21 out Ryan Eggers who was the chief staff person -- I'm not  
22 sure what the term is -- to the Committee. And just did a  
23 fantastic job in coordinating and making this happen and  
24 making sure things moved forward. So thank you, Ryan.

25           COMMISSIONER SCOTT: Yeah. Thank you, Ryan.



1           CHAIRMAN WEISENMILLER: Great.

2           COMMISSIONER SCOTT: Okay. Let's do a photo.

3 Please come up.

4           (Photo op and colloquy.)

5           CHAIRMAN WEISENMILLER: Great, so let's turn to

6 the Consent Calendar.

7           COMMISSIONER SCOTT: Move approval of Consent.

8           COMMISSIONER MCALLISTER: Second.

9           CHAIRMAN WEISENMILLER: All those in favor?

10          (Ayes.)

11          CHAIRMAN WEISENMILLER: The Consent Calendar

12 passes 5-0, thanks.

13          We don't have anything for Item 2 today. Let's

14 go to Item 3.

15          MR. NYBERG: Good Morning Chair, Commissioners.

16 My name is Michael Nyberg and I am the Program Manager for

17 the Emission Performance Standard in the Energy Assessments

18 Division.

19          The Emission Performance Standard was established

20 under Senate Bill 1368 by Senator Perata, Chapter 598 of

21 the 2006 Statutes. The EPS limits long-term investments in

22 baseload generation by the state's utilities to power

23 plants that meet an emission performance standard for

24 carbon dioxide.

25          The Standard was jointly established by the

1 Energy Commission and the Public Utilities Commission and  
2 is set at 1,100 pounds per megawatt-hour.

3 On June 28, 2017 the Southern California Public  
4 Power Authority, SCPPA, submitted a compliance filing  
5 requesting a determination that their Power Purchase  
6 Agreement for geothermal energy is in compliance with the  
7 Greenhouse Gases Emission Performance Standard, pursuant to  
8 Title 20 of the California Code of Regulations, beginning  
9 with Section 2900. SCPPA is a joint power agency whose  
10 membership is comprised of 11 cities and one irrigation  
11 district, each of which own and operate an electric  
12 utility.

13 This compliance filing is for the procurement of  
14 up to 185 megawatts of capacity with ONGP LLC to be  
15 delivered from nine primary, and up to sixteen secondary,  
16 geothermal facilities that comprise the Ormat Northern  
17 Nevada Geothermal Portfolio Project. The Los Angeles  
18 Department of Water and Power is the sole participating  
19 SCPPA member in this procurement. The term of the contract  
20 is for 26 years, beginning December 31, 2017.

21 The Power Purchase Agreement was originally  
22 Noticed by SCPPA and the Energy Commission on October 13,  
23 2016 and subsequently approved and executed on October 20,  
24 2016 by the SCPPA Board of Directors.

25 The Ormat Northern Nevada Geothermal Portfolio

1 Project is comprised of the following nine geothermal  
2 plants: Baltazor Hot Springs, Brady, Dixie Meadows, Dixie  
3 Meadows 2, Steamboat Hills, Steamboat Hills 2, Steamboat  
4 Hills 3, Tungsten Mountain, and Tungsten Mountain 2.

5           These nine power plants make up 180 megawatts of  
6 net capacity. There are also sixteen secondary facilities  
7 that will only be substituted if a primary facility fails  
8 to achieve its expected energy delivery and only if, in  
9 aggregate, the nine primary facilities fail to deliver a  
10 combined 135 megawatts minimum capacity as specified in the  
11 Power Purchase Agreement.

12           Staff confirmed with the Renewable Energy  
13 Division that all nine of the primary facilities and  
14 fifteen of the sixteen secondary facilities in the  
15 portfolio project are approved and certified under the  
16 Renewable Portfolio Standard as RPS-eligible.

17           The RPS certification status for the sixteenth  
18 secondary facility, Steamboat Hills in Washoe County,  
19 Nevada, is currently pending as the final nameplate  
20 capacity is being determined under WREGIS, the Western  
21 Renewable Energy Generation Information System.

22           Staff has evaluated SCPPA's compliance filing and  
23 concludes that their Power Purchase Agreement with ONGP LLC  
24 is compliant with the EPS pursuant to Section 2903(b)(1);  
25 specifically, that the geothermal power plants listed in

1 the Power Purchase Agreement are determined to be compliant  
2 with the EPS as they meet the criteria of renewable  
3 electricity generation facilities as defined in Chapter 8.6  
4 of Division 15 of the Public Resources Code.

5 Therefore, staff recommends the Energy Commission  
6 find that the covered procurement described in the SCPPA  
7 compliance filing complies with the Energy Commission's  
8 Greenhouse Gases Emission Performance Standard.

9 Daniel Hashimi from SCPPA is here to provide a  
10 summary statement concerning the compliance filing. Thank  
11 you.

12 MR. HASHIMI: Members of the Commission, thank  
13 you for this opportunity to provide comment. I'm here to  
14 support your review and approval of the Power Purchase  
15 Agreement for the Northern Nevada Geothermal Portfolio  
16 Project.

17 The members of the SCAPPA staff, the Los Angeles  
18 Department of Water and Power, and our counter parts Ormat,  
19 worked over a series of months diligently to finalize and  
20 complete the Power Purchase Agreement. And the intention  
21 behind the Power Purchase Agreement and the underlying  
22 projects is to deliver sustainable, reliable, baseload  
23 renewable energy to Southern California and in particular  
24 to the customers of the Los Angeles Department of Water and  
25 Power, through SCAPPA.

1           And this project in particular is the largest  
2   renewable project that SCAPPA has done to date, in terms of  
3   capacity factor. And it's an important element and  
4   component of the LADWP's objectives to satisfy their  
5   renewable portfolio standard requirements. So I present  
6   this project to you for your consideration. I appreciate  
7   this opportunity to provide comments.

8           If there are any questions I'm happy to answer  
9   them. Otherwise, thank you for your time.

10           CHAIRMAN WEISENMILLER: Thank you. Let's first  
11   see if there are any public comments on this, either from  
12   anyone in the room or on the line?

13           Please come on up and identify yourself.

14           MR. ORENSTEIN: Good morning. My name is Ron  
15   Orenstein. I'm the Vice President of Business Development  
16   for Ormat Technologies. On behalf of Ormat and the entire  
17   geothermal industry I just would like to take this  
18   opportunity and commend SCAPPA and LADWP for continuing to  
19   add geothermal to their renewable resources mix, making  
20   their overall portfolio of renewables more diverse and  
21   flexible and cost effective.

22           We look forward to continuing to develop a firm  
23   and flexible geothermal resources across California and the  
24   rest of the western region. Thank you.

25           CHAIRMAN WEISENMILLER: Thank you. Thank for

1 being here.

2 Anyone else in the room or on the phone?

3 (No audible response.)

4 Let's transition to the Commissioners. I was  
5 going to say I certainly -- we welcome SCAPPA/LADWP signing  
6 this contract and moving forward. I think obviously the  
7 future is renewables in California. And we sort of welcome  
8 that transition and we anticipate to have a lot more  
9 renewable contracts going forward. And in fact, we would  
10 note obviously that the IOUs are sort of substantially  
11 ahead of the POUs in the renewable contracts at this point.  
12 And certainly encouraging you to take advantage of the  
13 opportunities there, moving forward.

14 COMMISSIONER HOCHSCHILD: I just (indiscernible)  
15 on the latest data is in both on new incremental  
16 generational capacity added in the United States and  
17 globally. And in both cases, the largest source added  
18 domestically and internationally last year was solar PV.  
19 But we don't want -- also we really need diversity in  
20 renewables and so really pulling for geothermal to expand  
21 and contribute in every way possible, because that's  
22 actually good for the states.

23 And unless we have any further comments I'll move  
24 the item.

25 COMMISSIONER DOUGLAS: Second.

1 CHAIRMAN WEISENMILLER: All those in favor?

2 (Ayes.)

3 This item passes 5-0. Thanks. Thanks to both of  
4 you for being here.

5 MR. NYBERG: Thank you.

6 CHAIRMAN WEISENMILLER: Let's go on to Item 4,  
7 ConSol Home Energy Efficiency Rating Services, CHEERS.

8 MR. MIR: Good morning Chairman and Commissioners,  
9 I am Rashid Mir of the Existing Buildings and Compliance  
10 Office in the Efficiency Division. I am here to present  
11 for your consideration ConSol Home Energy Efficiency Rating  
12 Services or CHEERS to be approved as a Home Energy Rating  
13 System or HERS provider for nonresidential buildings.

14 Upon approval, CHEERS would be able to oversee  
15 and train HERS Raters conducting field verification and  
16 diagnostic testing to verify compliance with the  
17 requirements of the 2013 and 2016 Building Energy  
18 Efficiency Standards for nonresidential buildings. And the  
19 CHEERS HERS Data Registry would be approved as a  
20 residential data registry as required by the 2013 and 2016  
21 Energy Standards.

22 The staff reviewed CHEERS' applications including  
23 its training materials and concluded it meets the  
24 requirements of the 2013 and 2016 Energy Standards and the  
25 HERS Regulations. Staff also tested the CHEERS HERS Data

30

1 Registry, which meets the requirements of the Section 10-  
2 109 (i) and Joint Reference Appendix JA7 of the 2013 and  
3 2016 Energy Standards.

4 Based on this information, staff asks for you to  
5 confirm the Executive Director's findings and adopt his  
6 recommendations to one, certify CHEERS as a HERS Provider  
7 for field verification and diagnostic testing as required  
8 by the 2013 and 2016 Energy Standards for nonresidential  
9 buildings. And two, certify the CHEERS HERS data registry  
10 as a residential data registry as required by the 2013 and  
11 2016 Energy Standards.

12 The Executive Director's recommendation was  
13 posted on the website and made available for public comment  
14 on August 22, 2017.

15 The approval of CHEERS as a HERS Provider will  
16 satisfy the requirements of Title 24, Part 6 where HERS  
17 field verification and diagnostic testing is required for  
18 compliance with the 2013 and 2016 Energy Standards. The  
19 Efficiency Lead Commissioner has reviewed this item.

20 Thank you for your consideration and I am  
21 available to answer questions. Staff from CHEERS is also  
22 here to answer questions.

23 CHAIRMAN WEISENMILLER: Please, do you want to  
24 come up and say a few words on behalf of CHEERS?

25 MR. LENZMEIER: Good morning, Commissioners. My

31



1 name is Jay Lenzmeier and I am the Executive Director for  
2 CHEERS.

3 First, I would like to thank you for today's  
4 consideration for approval as a HERS provider for non-  
5 residential forms under the 2013 and 2016 code. CHEERS is  
6 very proud of its registry, its customer service, and its  
7 overall operational process. We are very confident that  
8 CHEERS, especially now that it may become a full service  
9 provider, will provide an important service to the  
10 California Energy Commission, the building industry, and  
11 the HERS program.

12 As a HERS provider, CHEERS understands its  
13 important role and will work very closely with the  
14 California Energy Commission to ensure that the goals of  
15 the 2013 and 2016 standards are met.

16 I also want to extend my thanks to Rashid and the  
17 remainder of the CEC staff for their hard work and patience  
18 that we have received in assisting CHEERS with its  
19 approvals. I look forward to working with them as we  
20 approach approvals for the 2019 standards and also now as  
21 we begin operations as a full service provider. Thank you  
22 very much.

23 CHAIRMAN WEISENMILLER: Thank you. Thanks for  
24 being here.

25 Do we have any other comments from anyone in the

1 room or on the line?

2 (No audible response.)

3 Then let's turn this over to the Commissioners,  
4 Commissioner McAllister?

5 COMMISSIONER MCALLISTER: So this is on some  
6 level pretty straightforward. I thank Rashid as well and  
7 certainly everybody at CHEERS. It's good to have multiple  
8 providers and I think we're headed down a path, we have  
9 been for a long time, this is another kind of milestone  
10 we're hitting with getting a movable robust marketplace for  
11 these services and getting them more available and more  
12 standardized as well under our rules. I want to just thank  
13 CHEERS again.

14 I mean, we know there are a lot of details along  
15 this path of getting certified and becoming a provider.  
16 And so I appreciate your sticking with it and definitely  
17 staff likewise, because it's definitely a joint effort to  
18 make sure that we're headed down the right path. You're  
19 doing the heavy lifting here, out in the world, so we  
20 really appreciate that.

21 So with that if there's no other comments, I'll  
22 move this item.

23 COMMISSIONER SCOTT: Second.

24 CHAIRMAN WEISENMILLER: All those in favor?

25 (Ayes.)

1           CHAIRMAN WEISENMILLER: This passes 5-0. Thank  
2 you. Thanks for being here.

3           Let's go on to Item 5, Board of Trustees of the  
4 Leland Stanford Junior University, SLAC.

5           MR. LOREDO-CONTRERAS: Hi. Good morning Chair  
6 and Commissioners. I am Ostap Loredó-Contreras from the  
7 R&D Division's Energy Systems Research Office. This  
8 agreement is one of the nine proposed projects for awards  
9 under the EPIC solicitation titled, "Advanced Vehicle-Grid  
10 Integration Research and Demonstration."

11           This agreement with the Board of Trustees of the  
12 Leland Stanford Junior University, SLAC, will address the  
13 problems of electric vehicle smart charging capabilities to  
14 maximize renewable energy utilization under non-residential  
15 scenarios, prevent the aging of the power distribution  
16 system such as distribution substations and feeder  
17 transformers by reducing losses, and to minimize upgrades  
18 required for the existing electricity infrastructure, and  
19 to develop the necessary controls to manage the smart  
20 charging to minimized Grid impacts and customer costs.

21           The project will demonstrate the capabilities of  
22 electric vehicles fleets, and develop a tool that provides  
23 information to the EV charging infrastructure owners and  
24 managers of the challenges, opportunities, benefits, and  
25 cost of implementing smart workplace charging on multiple

1 real-world scenarios in California.

2           The potential benefits are managing the impact on  
3 local distribution system transformers, quantify the role  
4 in manage time-of-use rates for consumers, and their  
5 potential for wholesale market participation.

6           This research project brings together two unique  
7 sites: the SLAC campus providing 27 BYD electric buses and  
8 Google campus with the potential participation of 900  
9 privately-owned electric vehicles by their employees which  
10 helps to demonstrate the commercial operating environments  
11 to enable the appraisal of operational performance, and  
12 financial characteristics of vehicle grid interaction  
13 applications.

14           The project will optimize the blend of one-  
15 directional managed charging, and bi-directional vehicle-  
16 to-grid functions for different applications.

17           The project will show the value of electric  
18 vehicles as distributed energy resources with the ability  
19 to defer or eliminate the need for grid upgrades, to  
20 address the duck curve, and to enable greater renewable  
21 energy penetrations.

22           Staff recommends approval of this agreement, and  
23 I am available for any questions. Thank you.

24           CHAIRMAN WEISENMILLER: Thank you. Is there any  
25 comments from anyone in the room or on the line?

1 (No audible response.)

2 Okay. Then transition to the full Commission to  
3 talk about it.

4 I'm the Lead Commissioner on the R&D issues. And  
5 obviously one of the key issues for us moving forward, is  
6 given that at least 40 percent of California's greenhouse  
7 gas emissions are from transportation and probably at least  
8 80 percent of its pollution is from transportation, is  
9 moving to electrify the transportation fleet, which then  
10 provides incredible opportunities and challenges.

11 Obviously, we need to make sure that to the  
12 extent we can use that to really facilitate integration  
13 renewables that would be great. And conversely, if it all  
14 happens to be charging in the peak time we have an issue.  
15 So anyway, this important contract will bring a lot of  
16 research into this area. So again, we certainly encourage  
17 the Commissioners to vote for this issue or this contract.

18 COMMISSIONER SCOTT: I think it looks like a very  
19 exciting project. I'm already ready to get the results.  
20 One of the things I like about it is the combination of the  
21 medium duty, heavy duty, with the busses and the light-duty  
22 fleet. I think all the projects that we have that can  
23 start wrapping in what medium duty, heavy duty looks like  
24 is important as well. So I'd be happy to move approval of  
25 item five.

1 COMMISSIONER DOUGLAS: Second.

2 CHAIRMAN WEISENMILLER: All those in favor?

3 (Ayes.)

4 CHAIRMAN WEISENMILLER: This passes 5-0. Thank

5 you.

6 Let's go on to Item Number 6 development,

7 demonstration, deployment of environmentally and

8 economically sustainable biomass-to=energy systems for the

9 forest and food waste sector.

10 MS. VACCARO: We have a disclosure, I believe, on

11 this item.

12 CHAIRMAN WEISENMILLER: We do.

13 MS. VACCARO: Commissioner Douglas?

14 CHAIRMAN WEISENMILLER: Commissioner Douglas on

15 item 6b.

16 COMMISSIONER DOUGLAS: All right, thank you. So

17 for related to item 6b I wanted to disclose that I teach a

18 reusable energy law class every other year at King Hall,

19 the law school at Davis. And so I taught that class this

20 year, so I need to make this disclosure. This contract is

21 not with King Hall, the law school at UC Davis, but UC

22 Davis University is on it. Thank you.

23 CHAIRMAN WEISENMILLER: Thank you.

24 Go ahead.

25 MS. BARKALOW: Hello Chair and Commissioners my

1 name is Gina Barkalow with the Research and Development  
2 Division. I am requesting approval of two technology  
3 demonstration projects, recommended for award under the  
4 EPIC Bioenergy Competitive Solicitation GFO-15-325.

5 The projects are presented in two parts. To  
6 address adoption of CEQA findings and the Energy  
7 Commission's proposed resolution approving the grants. The  
8 remaining projects under this solicitation will be  
9 presented at future business meetings.

10 First, we have the Burney-Hat Creek Bioenergy  
11 Project with the Fall River Resource Conservation District,  
12 to develop a forest biomass-to-electricity facility in  
13 Shasta County.

14 Bioenergy technology demonstrations using biomass  
15 from high hazard zones are called out in the Governor's  
16 Proclamation of a State of Emergency due to an  
17 unprecedented 102 million plus dead and dying trees. The  
18 Burney-Hat Creek region has been severely impacted by  
19 catastrophic wildfire, destroying homes, transmission  
20 lines, and damaging important California watersheds.

21 Energy Commission staff has reviewed the lead  
22 agency, Shasta County's addendum to the final Environmental  
23 Impact Report and Mitigation Monitoring and Reporting  
24 Program, and has determined that the proposed project  
25 presents no new significant or substantially more severe

1 environmental impacts beyond those already considered and  
2 mitigated.

3           The project will design, build, and operate a 2.8  
4 MW forest biomass-to-electricity facility in Burney. The  
5 facility will use the West Bio-fuels Circle Draft  
6 gasification technology, a modular combined heat and power  
7 gasification system, which produces electricity, heat, and  
8 biochar. The modular design aims to minimize feedstock  
9 transportation costs and environmental impacts and allows  
10 projects to be deployed at various scales depending on the  
11 available biomass resource.

12           This will be one of the state's first commercial  
13 community-scale biomass gasification facilities using  
14 byproducts from sustainable forest management activities  
15 from CAL FIRE designated high hazard zones, and includes  
16 five million in match funding.

17           The second project I am requesting approval for  
18 is with the University of California, Davis for a project  
19 at a naval base in Ventura County for Electricity  
20 Generation from Food Waste.

21           The proposed project will take place at two  
22 sites: Naval Base Ventura County and the University of  
23 California, Davis UC Davis campus. The work will be  
24 conducted at the naval base is covered by the U.S.  
25 Department of the Navy's Environmental Assessment and



1 Findings of no significant impact. The work at UC Davis  
2 will be conducted in a laboratory setting and is exempt  
3 from CEQA under Sections 15301, Existing Facilities, and  
4 15306 Information Collection.

5 Staff has determined that based on the Navy's  
6 findings and the analysis of the work performed at UC  
7 Davis, that the proposed project will not have a  
8 significant environmental impact.

9 In this project, the UC Davis, partnering with  
10 Biodico will design and demonstrate a containerized and  
11 rapidly deployable anaerobic digester system. The  
12 innovative FLEXIBUSTER system packages all components of an  
13 anaerobic digester system into several standard shipping  
14 containers. Compared to conventional anaerobic digester  
15 technologies, which are designed and engineered specific  
16 for each site, the FLEXIBUSTER system aims to be easier to  
17 transport and less expensive to install.

18 The project will also develop new understanding  
19 about the performance variability of microscale anaerobic  
20 digester systems relative to fluctuating and heterogeneous  
21 food waste feedstock inputs. This project includes over  
22 750,000 in match.

23 Staff from both projects are here to answer  
24 questions and I ask for your approval of these two  
25 projects. Thank you.

1                   CHAIRMAN WEISENMILLER: Thank you. First, are  
2 there any comments from anyone in the room or on the line?  
3 Please come up and identify yourself.

4                   MR. HART: Hi. This is Matt Hart. And I'm with  
5 West Biofuels, so a project team member on the Fall River  
6 RCD Project. And I just wanted to come here and thank you  
7 guys for your support for the project.

8                   The Energy Commission has supported West Biofuels  
9 through the R&D phase of developing this technology. And  
10 we're really excited to finally bring it to a commercial  
11 project and see this really happen. So thank you guys for  
12 your support.

13                  CHAIRMAN WEISENMILLER: Thank you. Thanks for  
14 being here.

15                  Please come up.

16                  MS. BRIGHAM: Hi. I'm Jill Brigham, UC Davis  
17 Project Manager. We appreciate your support and the  
18 opportunity to work with our partner, Biodico. West Hills  
19 is here, with Biodico to design, install, operate and  
20 evaluate this anaerobic digester at the Naval Base Ventura  
21 County, to convert nonedible food waste into electricity  
22 and fertilizer, to understand the reduce and the  
23 consumption of our nonrenewable electricity, as well as the  
24 cost and environmental impact of hauling food waste.

25                  So I'm here to answer any questions you might

1 have.

2 CHAIRMAN WEISENMILLER: Okay. Thank you. Thanks  
3 for being here.

4 Anyone else, anyone on the line?

5 (No audible response.)

6 I'm going to transition over to the  
7 Commissioners. The Energy Commission's had a long history  
8 of involvement in biomass. I remember back in '78 there  
9 were a number of projects. Obviously, this is a key  
10 resource for California. In many respects, it's been  
11 struggling for years, in some respects, dealing with the  
12 cost and performance questions. And obviously that's where  
13 we come in on the research side is trying to help the  
14 technology mature.

15 We don't have a biomass program per se that just  
16 gives out money for biomass, but we do have a research  
17 program, which does research in this area and tries to make  
18 the technology workable and working, and so these are  
19 certainly two good examples. They first really combine as  
20 Gina noted the Governor's Proclamation of a State of  
21 Emergency, dealing with tree die-off. And we've had a long  
22 standing, or at least since I've been here, relationship  
23 with the Navy, and certainly starting particularly with  
24 Jackie Pfannenstiel when she was Assistant Secretary and  
25 certainly Denny McGinn, also.

1           So again, that's been a great relationship that  
2 we -- it's good to see specific projects march forward,  
3 looking for to results from both of these. And I don't  
4 know if the Commissioners have any questions or comments?

5           COMMISSIONER DOUGLAS: No. I'll move approval of  
6 this item.

7           COMMISSIONER SCOTT: Second.

8           CHAIRMAN WEISENMILLER: All those in favor?

9           (Ayes.)

10          CHAIRMAN WEISENMILLER: This passes 5-0. Thanks.

11          MS. BARKALOW: Thanks.

12          CHAIRMAN WEISENMILLER: Thanks, Gina. Thanks  
13 everyone for being here.

14          Let's go on to Item 7, California Clean Energy  
15 Fund CALCEF Ventures, please?

16          MR. CROFT: Good morning, Commissioners. My name  
17 is Josh Croft from the Energy Research and Development  
18 Division. I'm requesting Commission approval today for the  
19 California Clean Energy Fund to enter into an agreement  
20 with entrepreneurs from 20 small grant proposals, each for  
21 \$150,000 and totaling \$3 million, from the CalSEED  
22 Initiative.

23          The California Clean Energy Fund is the small  
24 grants administrator for the CalSEED Initiative. The  
25 CalSEED Initiative provides a recurring opportunity for

1 entrepreneurs to apply for up to \$150,000 in funding as  
2 well as business, legal, and technical resources to test  
3 the feasibility of their energy concepts. Additionally,  
4 CalSEED awardees have a chance to compete in a business  
5 plan competition for 450,000 additional dollars to move  
6 from concept testing to prototype development. Through  
7 these two stages, CalSEED helps entrepreneurs demonstrate  
8 the early technical merits and commercial potential of  
9 their technology.

10           Leading up to the application period earlier this  
11 year, CalSEED held an informational webinar and conducted  
12 outreach workshops at each of the Energy Commission's four  
13 regional energy innovation clusters, which are located  
14 throughout the state. Outreach also included contacting  
15 various organizations that serve underrepresented groups  
16 and a radio interview.

17           Following that outreach, CalSEED received over  
18 300 applications. These applications came from throughout  
19 California and spanned a wide range of technologies. The  
20 applications were evaluated for long-term technical  
21 potential, impacts including potential to positively impact  
22 disadvantaged communities, and the expertise and readiness  
23 of the applicant team.

24           Before you today are 30 projects being  
25 recommended for funding from this solicitation.

1           The first project to be approved today is for  
2 Opus 12 and is titled "Chemicals and Fuels from Renewable  
3 Electricity." The project will finish development on a  
4 prototype device that uses electricity and water to recycle  
5 carbon dioxide into cost-competitive chemical products for  
6 industrial processes. This technology will help industrial  
7 facilities decarbonize their energy use.

8           Project B is for Glint Photonics, who is  
9 developing an LED technology that uses a variety of spots,  
10 flood, and asymmetric light patterns to illuminate areas  
11 with different dimensions. This technology can reduce the  
12 total energy used for indoor lighting.

13           The next project, for PowerFlex Systems, seeks to  
14 validate an advanced electric vehicle charging network  
15 concept that uses smart charging algorithms to incorporate  
16 driver charging preferences with building constraints,  
17 renewable energy generation and grid conditions. As more  
18 electric vehicles are added to the road, solutions like  
19 this one will help maximize grid reliability and value to  
20 the owners of electric vehicles.

21           Next is Sunswarm Community Solar. Sunswarm seeks  
22 to overcome barriers to participation in solar projects,  
23 especially in low and moderate income and underserved  
24 communities, by creating an online solar marketplace. This  
25 project will test community engagement methodologies and

1   apply the results to lower customer acquisition costs,  
2   which in turn can lower the final cost of community-based  
3   solar PV.

4               Project E is for Halo Industries. Their project  
5   is titled "Advanced Wafering for Drastic Solar Cost  
6   Reduction." And they are seeking to develop a crack  
7   propagation mechanism to produce thin wafers for solar  
8   cells. This will reduce material waste in the fabrication  
9   process and will therefore lower the overall cost of  
10  photovoltaic systems.

11              Sepion Technologies has the next project. They  
12  will fund development of a nanocomposite membrane for  
13  lithium ion batteries, which will reduce dendrite growth  
14  and will therefore increase battery range in electric  
15  vehicles.

16              The next award is for PARC's Membrane-based  
17  Electrochemical Carbon Dioxide Removal System project. The  
18  technology being funded removes carbon dioxide passing  
19  through an HVAC system with a membrane based system, which  
20  will increase heating and cooling energy efficiency while  
21  maintaining air quality.

22              Project H's award is to South 8 Technologies. The  
23  funding will be for developing and testing a liquefied gas  
24  electrolyte chemistry for a next-generation lithium-ion  
25  battery. The battery will allow for increased voltages and

1 operating temperatures, which will expand the applications  
2 and value of batteries on the Grid.

3 Project I, Arctica Solar, Next Gen Solar Heating  
4 and Cooling, is to design a modular product to deliver  
5 solar heated air in colder temperatures and induce natural  
6 convective cooling in warmer temperatures. This will help  
7 to lower building heating and cooling energy load.

8 Project J is for Mark Miles Consulting. The  
9 project will develop and test a technology that augments  
10 the heat delivered from a solar water heater, by applying  
11 ejector heat pump technology. This will increase the  
12 performance of low cost solar water heating systems.

13 Next is an award for PARC titled "Energy Storage  
14 and Electrochemical Desalination." This project will  
15 develop and test a flow battery that desalinates sea water  
16 as part of its process. This technology will attain an  
17 overall cost reduction of the combined processes.

18 Continuing, Enerdapt's Project titled "HVAC  
19 Optimization & Proactive Maintenance Software," will  
20 develop a cloud-based software platform which uses machine-  
21 learning algorithms to adapt and report on a commercial  
22 HVAC system, so that it achieves greater performance and  
23 has maintenance performed before anything breaks. This  
24 will increase occupancy comfort while simultaneously  
25 enhancing HVAC performance.



1           Project M is titled "Rotary Heat Exchanger - Air  
2   Conditioner & Heater." The proposed award will combine a  
3   heat exchanger and fan into a single rotating design  
4   resulting in significant energy efficiency gains, noise  
5   reduction, a smaller footprint, and cost savings.

6           Project N is a project for Intertie's EV Charge  
7   Pod concept. This project bench tests a miniature  
8   microgrid that uses energy storage and PV to provide an 80  
9   percent charge to EVs in ten minutes. The system will make  
10   optimal use of the available power sources while minimizing  
11   impact to the Grid.

12           The next project is for the Sustainable Economies  
13   Law Center's Permanent Community Energy Cooperative  
14   Concept. This project team will develop and test a  
15   crowdfunding ownership model for community solar projects.

16           Project P funds development of a machine learning  
17   based software solution for small commercial buildings  
18   energy management. This technology will enable smaller  
19   businesses and organizations to take advantage of building  
20   energy solutions without needing to hire a full-time energy  
21   manager. This project is titled "Correlate - Virtual  
22   Energy Manager Platform."

23           The next project titled "Maxout Polyverter," will  
24   develop an inexpensive, reliable solar power smart string  
25   inverter that maximizes output while decreasing the

1 maintenance costs associated with solar PV systems. This  
2 technology will make PV systems more efficient and failure  
3 resistant.

4           Project R, to Cuberg Incorporated, will continue  
5 development on a safe, high energy density lithium metal  
6 technology with an electrolyte that is designed to limit  
7 dendrite growth and flammability. Lithium metal batteries  
8 have significantly higher energy densities compared to  
9 conventional lithium-ion, but solutions to things like  
10 dendrite growth must be solved for the technology to be  
11 reliable.

12           Next is Lucent Optic's Daylight Harvesting Window  
13 Film. This project will develop and test a window film  
14 that redirects light to increase indoor lighting quality.  
15 The project will use a novel, proprietary manufacturing  
16 process to make a film that's significantly cheaper than  
17 the current competition and will preserve a clear-view  
18 vision of the outdoors.

19           The last project before you today will develop  
20 and test a supercapacitor merged with a lithium-ion battery  
21 that will achieve excellent cycling stability, power  
22 performance, and high energy density. This technology can  
23 be applied for stationary energy storage and automobile  
24 applications and will create a durable, high-power battery  
25 without sacrificing energy density.

1 Overall, these projects represent an exciting,  
2 wide range of CalSEED small grants. I will be happy to  
3 answer any questions that you may have.

4 CHAIRMAN WEISENMILLER: Thank you.

5 Let's start with public comment. Please come on  
6 up.

7 MR. TANG: Good morning Chair and Commissioners.  
8 I'm Derrick Tang, with the California Clean Energy Fund.  
9 And I'm the CalSEED grant manager for this initiative. My  
10 colleague Deepa and I came up for the June business meeting  
11 to voice our support for the first batch of eight awardees  
12 and we are equally excited for this next twenty.

13 This time is actually a bit of a clear  
14 excitement, because we've had some time with these first  
15 eight awardees. And we were able to get them all together  
16 for a kick-off event where they presented their  
17 technologies, got to know each other, and plan their  
18 journey through the CalSEED program.

19 Since then, they've also participated in a  
20 weekend long boot camp, additional business clinics to help  
21 gain skills to grow their businesses, and also meet with  
22 potential partners and investors at various events.

23 So we can't wait to add to this community an  
24 additional 20 more teams of entrepreneurs. And neither can  
25 they, some of them are already requesting connections with

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1 mentors. And those mentors are more than eager to help.

2 Overall, these entrepreneurs want to get to work.

3 And we are very grateful to give them the opportunity to do  
4 that. So thank you for your consideration and the approval  
5 of these awards.

6 CHAIRMAN WEISENMILLER: Thank you. Thanks for  
7 being here.

8 Anyone else in the room? How about on the line?

9 (No audible response.)

10 Okay. And as the Lead for the Research and  
11 Development again I'd like to commend these projects to the  
12 Commission.

13 For a long time, the Energy Commission has had a  
14 small grants program. In a way this is Version 2.0 of it  
15 and, you know, that we've sort of built on that.

16 CalSEED was particularly attractive, as many of  
17 you probably remember that Greenlining is a member of this  
18 and sponsor. So that this really incorporates, from the  
19 start, that we have to be reaching out to disadvantaged  
20 communities, both certainly in terms of the scope of the  
21 projects and bring up potentially participation.

22 So again it's in California is certainly a key  
23 part of the state's DNA's innovation particularly in the  
24 clean tech area. So we're looking forward to the results  
25 from this. Obviously not all of these are going to pan

1 out. We hope they do, but the reality is that this is  
2 giving people an opportunity to march forth with some  
3 projects. Presumably some of them will work, some of them  
4 won't, and all of them will need some degree of evolution.  
5 But one of the things that's really important that this is  
6 doing is giving people the tools that they need to take  
7 ideas and try to convert them into real products and  
8 businesses at the end. And obviously that involves  
9 anything from accounting, IT, basically business plans, a  
10 lot of complicated pieces to try to convert concepts into  
11 reality.

12           So again, I'm looking forward to results here as  
13 we go forward. And I certainly commend to the  
14 Commissioners this batch of projects.

15           COMMISSIONER HOCHSCHILD: I would just add this  
16 is an incredible tapas platter of grants.

17           CHAIRMAN WEISENMILLER: Yeah.

18           COMMISSIONER HOCHSCHILD: And this amazing  
19 diversity and I imagine for a number of these, it may be  
20 the first grant that they are getting. I think the first  
21 one is really always the important one. And just again I  
22 know CalSEED's already focused on this, but to the greatest  
23 degree possible to be able to facilitate introductions to  
24 other investors and support and mentorship at this stage is  
25 critical.

1           But there's going to be failures, obviously, with  
2 a portfolio this diverse, but one of these could be the  
3 next Tesla or next Era. And I think it's important role  
4 the Commission is playing in doing small grants, because  
5 there's a lot of entrepreneurs who are not yet established,  
6 but have a good idea and they need that first port. So  
7 I'm a big fan of this approach and this program and I want  
8 to thank the Chair and the team at EPIC as well for making  
9 this happen.

10           I'd move the item unless there's other comments.

11           COMMISSIONER MCALLISTER: I just had a quick  
12 comment, just building a little bit. I mean, I'm really  
13 happy to see the diversity. It's a great group, especially  
14 the lighting and HVAC (indiscernible) latest staff data.  
15 There's just some really obviously smart people that are  
16 trying to get their idea off the ground and loving that the  
17 Commission can continue to support this.

18           And I really love the mentoring aspect of this  
19 and just the networking of this innovation cluster idea  
20 that has a long and august history and that it works. We  
21 know it works. And so we want to do everything we can to  
22 encourage that and including linking these up with folks  
23 here at the building, offering advice from wherever we can  
24 facilitate it. So we want to keep track of some of these.

25           There are a few technologies in here that we

1 know, in theory, have a sound basis. And that's very  
2 different from being you have to take that theoretical  
3 possibility in the product and get it out there in the  
4 marketplace. And so I think that's conducive to the  
5 applicants and the awardees. I think it's going to be some  
6 very, very good things are going to come of this, no doubt.  
7 And I'll second.

8 CHAIRMAN WEISENMILLER: All those in favor?

9 (Ayes.)

10 CHAIRMAN WEISENMILLER: This one passes 5-0.

11 Thanks for being here. Thank you.

12 Let's go on to Item 8, County and Sanitation  
13 District of Los Angeles County.

14 MR. HOM: Good Morning Chair and Commissioners,  
15 My name is Andrew Hom, Air Resources Engineer from the  
16 Fuels & Transportation Division in the Emerging Fuels &  
17 Technologies Office.

18 I'm here today to request the adoption of CEQA  
19 findings and your approval for a grant agreement with The  
20 County Sanitation Districts of Los Angeles County, CSD LA  
21 County. This project was proposed for funding through the  
22 Community-Scale and Commercial-Scale Advanced Biofuels  
23 Production Facilities solicitation.

24 Energy Commission staff has reviewed lead agency  
25 CSD LA County's Initial Study and Mitigated Negative

1 Declaration and has determined that the work to be  
2 performed under this agreement presents no new significant  
3 or substantially more severe environmental impacts beyond  
4 those already considered and mitigated.

5 CSD LA County is requesting \$2.5 million to  
6 construct a biogas conditioning system, and associated gas  
7 conveyance pipeline to upgrade 400 standard cubic feet per  
8 minute of biogas into 761,000 diesel gallon equivalents of  
9 renewable natural gas per year for transportation fuel.

10 The proposed project will utilize biogas from the  
11 co-digestion of 124 tons per day of pre-landfilled food  
12 waste in the existing anaerobic digesters at the CSD LA  
13 County's Joint Water Pollution Control Plant in the City of  
14 Carson, California.

15 The renewable natural gas, with a carbon  
16 intensity of -20.31 gCO<sub>2</sub>e/MJ or less, will be sold at an  
17 existing public-access compressed natural gas dispensing  
18 station located onsite and owned by CSD LA County. CSD LA  
19 County will provide over \$2.9 million in match funds for  
20 this project.

21 Thank you for your consideration of this item.  
22 Andre Schmidt from CSD LA County is here in person and  
23 available to answer any questions you may have.

24 CHAIRMAN WEISENMILLER: Please, in terms of  
25 public comment, please come up and say a few words.



1           MR. SCHMIDT: Good morning, Commissioners. My  
2 name is Andre Schmidt. I'm a Supervising Engineer with the  
3 County Sanitation Districts of Los Angeles County, in our  
4 Energy Recovery Engineering Section. The Sanitation  
5 Districts has been an industry leader in renewable energy  
6 production from wastewater and landfill gas, for several  
7 decades. And with this project, we enter into an entirely  
8 new endeavor, which is very exciting for us as an agency.

9           So on behalf of the Sanitation Districts, I would  
10 like to express our appreciation to the Energy Commission  
11 for this grant award, which will provide critical support  
12 for realization of our proposed Food Waste to Biofuels  
13 Program. We are excited for how this first of its program  
14 will contribute to achieving the state's goals for organics  
15 recycling and low-carbon fuels.

16           And as you may well know, California wastewater  
17 treatment plants have significant potential for co-  
18 digestion of food waste in existing digesters and  
19 production of biofuel. So we hope that our project will  
20 provide an example and a path forward for many more similar  
21 projects throughout the state. Thank you.

22           CHAIRMAN WEISENMILLER: Thank you. Thanks for  
23 being here.

24           Any other comments from anyone in the room or on  
25 the line?

1 (No audible response.)

2 Okay. So let's transition to the Commissioners.

3 COMMISSIONER SCOTT: I'd just say thank you so  
4 much, Mr. Schmidt, for being here. This is a great  
5 project. He hit on one of the key components, which is  
6 that it has the potential to be replicable at other  
7 facilities similar to LA County's, which is fantastic.

8 As you all know, one of the state's strategies  
9 for addressing climate change is to have lower carbon  
10 intensity fuels. This project has a great carbon intensity  
11 number that Andrew mentioned in his talk. So I would  
12 heartily recommend this to you all. And I will move  
13 approval of this item.

14 COMMISSIONER DOUGLAS: Second.

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

17 (Ayes.)

18 CHAIRMAN WEISENMILLER: This also passes 5-0.  
19 Thank you. Thanks for being here.

20 Let's go on to Item 9, the Discussion of Energy  
21 Commission's Progress Re: Implementation of the Clean  
22 Energy and Pollution Reduction Act of 2015, SB 350.  
23 Please?

24 MR. SOKOL: All right. Good morning Chair and  
25 Commissioners. I'm Michael Sokol and I'm here today to

1 provide an update on the implementation of Senate Bill 350,  
2 as I've done at a past number of business meetings. So  
3 today I'll just touch upon some of the key happenings and  
4 major events that are both just happening, or that are on  
5 the horizon, related to SB 350 implementation.

6 And so starting off right at the top here with an  
7 update on the Disadvantaged Community Advisory Group that's  
8 required by SB 350, I'm going to fill in for Alana Mathews,  
9 who's listed on the agenda here and just give a quick  
10 description. And then there'll be more information coming  
11 in the future, related to this effort as well.

12 But Senate Bill 350 requires the Public Utilities  
13 Commission and the Energy Commission to establish an  
14 advisory group consisting of representatives from  
15 disadvantaged communities, identified in Section 39711 of  
16 the Health and Safety Code. This advisory group is  
17 required to review and provide advice on programs proposed  
18 to achieve clean energy and pollution reduction and  
19 determine whether those proposed programs will be effective  
20 and useful in disadvantaged communities.

21 On August 1st, the Public Utilities Commission  
22 and the Energy Commission jointly released a draft staff  
23 proposal to generate public interest and solicit  
24 stakeholder feedback on the structure and responsibilities  
25 of the advisory group. The proposal recommended that the

1 advisory group would be made up of 11 members who reflect  
2 the ethnic and geographic diversity of the state. And also  
3 who have experience with disadvantaged communities.

4           The proposal also recommended that the advisory  
5 group would meet quarterly, provide written advice as  
6 needed, and included a general summary of the expected  
7 responsibilities of the advisory group. The proposal also  
8 listed a number of key questions addressed to stakeholders  
9 to give a little more shape to the membership and the scope  
10 of the new body's work.

11           The Utilities Commission and Energy Commission  
12 received informal comments through August 15th and they've  
13 been reviewed and now are being incorporated into a draft  
14 charter. Ultimately, comments were received from 17  
15 organizations representing environmental justice advocacy  
16 groups, utilities and clean energy service providers. The  
17 comments were docketed and are now available for public  
18 review.

19           So there's a solicitation letter and a charter  
20 that are currently being drafted as a result of these  
21 comments. And they're currently going through some staff  
22 review and with legal review at both agencies before they  
23 will ultimately be put out for public. We expect to  
24 release both of these documents during the month of  
25 September to kick off a 60-day application period, after

1    which applications will be reviewed and then there'll be a  
2    selection process conducted by a joint Commission committee  
3    and formal appointments will then be made by the end of the  
4    year.

5                So that's sort of a quick high-level update on  
6    the advisory group. Of course there's more information  
7    coming as those documents are finalized and formulated. I  
8    would be happy to answer any questions at the end of this  
9    presentation, but I'll quick run through the other key  
10   areas where there's progress going on right now.

11               So related to the Disadvantaged Community  
12   Advisory Group is the Low-Income Barriers Implementation  
13   Proceeding being conducted as part of our integrated energy  
14   policy report.

15               Of course, we had two workshops this year that  
16   discussed some of the key recommendations that came out of  
17   our barrier study. And we continue to work closely, after  
18   those workshops with the other agencies that are impacted  
19   by the report recommendations.

20               So that includes California Air Resources Board,  
21   who is currently working through a series of community  
22   meetings and we're participating in one of those tomorrow  
23   in Redwood Valley. And also with a number of other  
24   agencies and the Governor's Office to make sure that  
25   everyone is taking action to implement those

1 recommendations that are tasked to them and that affect  
2 their activities.

3           So moving forward with that, in addition to the  
4 interagency coordination, the Energy Commission has taken  
5 the lead on pulling together draft energy equity indicators  
6 to help track progress over time on activities related to  
7 the Barriers Study. We are targeting a revised staff draft  
8 paper by early next month, in October, leading up to  
9 pulling together a tracking progress report based on those  
10 indicators by the end of this year.

11           And so there'll be a number of activities. We're  
12 working closely again with the other agencies to make sure  
13 that those indicators that are proposed are aligned with  
14 existing efforts and are able to show the big picture of  
15 the wide array of activities related to this effort. So  
16 next slide, please?

17           Of course, there's a number of other huge  
18 activities, starting first and foremost with the doubling  
19 energy efficiency savings effort required by SB 350. And  
20 so, as everyone knows, SB 350 required the Energy  
21 Commission to establish targets that achieve a statewide  
22 doubling of energy efficiency savings, by 2030.

23           And basically late last month, a Commission  
24 draft report was published that synthesizes all of the  
25 staff efforts leading up to that point, that look at

1 ultimately what the proposed targets are going to be that  
2 lead up to the 2030 doubling goal. And so that draft is  
3 currently out on the street. There was a workshop on  
4 September 7th, to bring in key stakeholders and utility  
5 representatives and Public Utilities Commission staff as  
6 well to discuss the contents of that Commission draft  
7 report and then the plans for moving towards that doubling  
8 goal.

9           Comments on that report are due on September 21st  
10 at which point we'll turn around with staff, incorporate  
11 needed revisions, post a revised draft, give the Commission  
12 final draft and then plan to consider that for adoption at  
13 the November 8th business meeting later this year.

14           And then of course beyond that, there's  
15 additional activities that we'll look in future IEPR cycles  
16 at how to continue to ratchet up our activities related to  
17 energy efficiency doubling.

18           And lastly, on this list here you see the energy  
19 data collection rulemaking. And we've heard about this in  
20 the past business meetings, but this is the Title 20 data  
21 collection rulemaking that supports the implementation of  
22 SB 350 and also supports improvements to the California  
23 Energy Demand Forecast.

24           So there was an initial rulemaking package that  
25 was published in early August and comments are due on

1 September 20th on that initial rulemaking package. So of  
2 course, there'll be some staff effort to dig through those  
3 and make sure that any concerns are addressed. And as of  
4 now, the stated intent is to plan for consideration of  
5 adoption at the October 11th business meeting. And so  
6 we'll stay tuned to see when those comments come in and  
7 have more to report later on that front.

8           And also I just wanted to comment on a couple of  
9 other proceedings that are not listed here in the slide,  
10 but just quickly wanted to highlight that the integrated  
11 resource planning proceeding that we heard about last time,  
12 the guidelines for publicly owned utility integrated  
13 resource plans were adopted here at the business meeting.  
14 And staff is still working closely with the California Air  
15 Resources Board and Public Utilities Commission to  
16 establish greenhouse gas emission reduction targets for use  
17 in those integrated resource plans.

18           And one other thing is the Assembly Bill 802,  
19 related legislation to SB 350 for the Energy Use  
20 Benchmarking and Disclosure Program, the staff is targeting  
21 on the October business meeting for consideration of  
22 adoption. And so that is kind of entering the final phase  
23 here, of the rulemaking process.

24           So I'll go ahead and leave it there and I'll turn  
25 it over if there are any questions from Commissioners or



1 comments.

2 COMMISSIONER SCOTT: This is a fantastic summary  
3 and as always, Mike is doing a fantastic job herding a lot  
4 of cats, moving a lot of pieces. I would underscore, I  
5 guess, that we're putting together the Disadvantaged  
6 Communities Advisory Group and that is what Mike mentioned  
7 on the previous slide. And so in just a little while, we  
8 should have the charter for that group ready to go.

9 And as he mentioned then, we'll put out the call  
10 for applications and there'll be a 60-day period. So if  
11 you can think of folks that you think would be fantastic  
12 for that or once that's out, help forward it and get the  
13 word out. I think that we would really appreciate that,  
14 make sure it kind of goes beyond the PUC and the Energy  
15 Commission-sort of usual listservs.

16 But that's all that I would highlight there.  
17 Thanks for all of your fantastic work.

18 CHAIRMAN WEISENMILLER: Okay. Thanks.

19 Let's go on to the Minutes.

20 COMMISSIONER DOUGLAS: Move approval.

21 COMMISSIONER SCOTT: Second.

22 CHAIRMAN WEISENMILLER: All those in favor?

23 (Ayes.)

24 CHAIRMAN WEISENMILLER: The Minutes pass 5-0.

25 Let's go to Lead Commissioner and Presiding

1 Member Reports. Commissioner Scott?

2 COMMISSIONER SCOTT: Sure. I'll just mention two  
3 highlights. One is that I had the opportunity to go to the  
4 Asilomar Transportation Conference, a few weeks ago. And  
5 that was really actually very intriguing and interesting.

6 One of the things that we talked about are kind  
7 of the three revolutions that we see coming in  
8 transportation, which is electrification, shared mobility  
9 and then autonomous vehicles and sort of combining all of  
10 those. And the need to be sure that we can combine those  
11 things, because when you have autonomous vehicles in the  
12 future what you wouldn't want is a scenario where all five  
13 of us, for example, have our cars out running errands for  
14 us right now. And so what you really need is the cars to  
15 be a shared economy so that we're not putting many, many  
16 more vehicle miles traveled.

17 Now while those would happily hopefully be the  
18 electric miles as I mentioned, the zero emission miles,  
19 it's still congestion and all of the other things. So  
20 that's why you kind of need all three together. So we  
21 talked about that, at the meeting, quite a bit.

22 We had an opportunity to hear from the federal  
23 side and the state side about kind of the mid-term review  
24 and where that may or may not continue to go. But we heard  
25 that folks are wanting to keep that coalition of the State

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1 of California, the car companies and the federal government  
2 together to keep working on the next set. Whether or not  
3 that happens remains to be seen, but it was interesting to  
4 hear from folks that that's where they were looking to go.

5 And then last week, I had a great opportunity to  
6 present on some of the things that California is doing in  
7 the biofuel space. So I was not actually in London. I was  
8 right next to Heathrow Airport and you can see the hotel  
9 when we were taxiing on the runway, I mean right next to  
10 the airport.

11 But it was the World Biofuels Congress. And I  
12 presented mostly on what the very high-level LCFS and short  
13 lived climate pollutants -- but then quickly pivoted to the  
14 things that the Energy Commission is investing in the  
15 biofuels space. And what those projects are like, so that  
16 was very fun. People were excited to hear one, that  
17 California still believes in climate change and that we're  
18 moving forward in that space. And then about what  
19 California is doing and how we are getting that done.

20 And then I had a chance in Brussels to speak, not  
21 before the Parliament, but at a meeting that was held in  
22 the EU Parliament building. Again about the same type of  
23 thing, what California is still strong on climate change  
24 and quickly pivoted to what the Energy Commission is doing  
25 also in the Alternative and Renewable Fuel and Vehicle

1 Technology Program. They're very interested in the  
2 incentives and how we put those together, how we're  
3 spending those, what types of projects those go into. And  
4 so I talked quite a bit about the Energy Commission's  
5 program.

6 So those are a couple things that I've been up  
7 to.

8 COMMISSIONER DOUGLAS: So I had the opportunity  
9 to also go to Britain to participate in a conference about  
10 the phase out, or the movement away from reliance on coal  
11 fired generation in different parts of the world and in  
12 particular to share California's story from implementation  
13 of SB 1368 and implementation of AB 32 through the  
14 Renewable Portfolio Standards and the more recent climate  
15 legislation to really a point to where coal is a very small  
16 part of our portfolio and decreasing quite dramatically.

17 And our system has transformed to such an extent,  
18 with renewable energy coming online that we actually have  
19 very different system needs today. So it was a really  
20 interesting event.

21 I got to both help tell California's story and  
22 really learn quite a lot about actions taken in different  
23 parts of the world that I hadn't known as much about as I  
24 think I could have and appreciated learning. And seeing  
25 some of this momentum as the world moves forward to

1 implement the Paris agreement. Thank you.

2 COMMISSIONER HOCHSCHILD: So I too have been on  
3 the road quite a bit. I just got back from a U.N. Summit  
4 in Ecuador of 18 Latin American and Central American  
5 nations looking at their renewables policy and they're  
6 very, very interested in what we're doing. And I will say  
7 I just feel collectively California's message is getting  
8 out.

9 And particularly, I just wanted to compliment  
10 Commissioner Scott on transportation. It's difficult to  
11 know when you see all these developments around the world,  
12 how much we're impacting. But I really believe  
13 California's momentum is spreading.

14 On just watching in clean transportation in  
15 particular this last month the UK and France both announced  
16 they're going to end the internal combustion engine by  
17 2040. India established as a goal for all transportation  
18 to be electric by 2030. And China announced that it will  
19 set an End date for the internal combustion engine. They  
20 haven't announced a day yet, but those are momentous. And  
21 Volvo also announcing by 2019, they're going to be all  
22 electric and hybrid and just incredible to see this happen  
23 in such a short period of time. And I've got to give  
24 credit to California policy leadership for helping.

25 I've been doing a lot of engagements with

1 investors as well. There's a lot of interest in speaking  
2 at the Carlisle Groups coming out next month for a big  
3 summit in Santa Barbara, looking at clean energy trends and  
4 SRI, a big gathering of 800 investors in San Diego that's  
5 happening later this fall.

6 And yesterday, the Chair and I attended a lunch  
7 with the Governor for the Secretary of Foreign Affairs from  
8 Mexico, who was in town and that was actually great to see.  
9 This engagement with Mexico has really taken off. Emilio  
10 was there this week, actually, and I'll be going again for  
11 a delegation next month. But we got also personal  
12 acknowledgment on some of the big energy decisions Mexico  
13 has just made on promoting DG renewables. They thanked us  
14 for our engagement. They said it was really helpful, so I  
15 really want to give credit to Emilio in particular who's  
16 been working on that.

17 I'm flying out this afternoon to a wind  
18 conference in Portland, for offshore wind that Commissioner  
19 Douglas and I have been working on. And that's it.

20 And I also just wanted to say on a personal note  
21 to Andrew, just to relay how incredible I think you've been  
22 through this time and that we're all with you 110 percent.  
23 And you've been in my family's thoughts and prayers all  
24 week. Thanks.

25 CHAIRMAN WEISENMILLER: Thanks. I'll go next.

1 I'll start with Commissioner Hochschild mentioned a lunch  
2 we had, actually the Governor, Maryanne Pineray  
3 (phonetic) and I had a meeting beforehand with the Mexican  
4 Foreign Minister, which is obviously quite interesting, a  
5 lot of back and forth.

6 In addition, in terms of other things I've done I  
7 would note I postponed my China trip until later this fall.  
8 But before that, I went down to Caltech and Lacey  
9 (phonetic) to meet with them. It was interesting to talk  
10 to Caltech about their research across a variety of areas  
11 and obviously Lacey, another real hot bed on innovation.  
12 So it was good to talk to them, particularly that was more  
13 in terms of follow up on the China visit with the Governor  
14 and I.

15 I went out to the solar eclipse, which I  
16 witnessed from the CAISO from the control room. So it was  
17 not as dramatic as some of my friends, but frankly it was a  
18 relatively smooth operation. ISO put out a press release,  
19 I think it was last week, that went through the statistics.  
20 But not unexpected, there was a big -- solar was going up  
21 as the eclipse was coming. We have like in California,  
22 we're talking more about a 70 percent factor although it  
23 varied throughout the state, so it was a lower reduction,  
24 in Southern California where I'd have to say most of our  
25 solar is. And that dropped off pretty quickly.

1           I think we were seeing the ramp. Anyway,  
2 substantial ramp down in its production then coming out of  
3 the eclipse, there was a very rapid ramp up. And so  
4 basically the ISO has to balance supply and demand they  
5 needed to be with the ramp down, increasing other resources  
6 and the ramp up, decreasing the output from other  
7 resources.

8           It's been a good hydro year, so there's a fair  
9 amount of hydro in the mix, but obviously also some gas  
10 run. The statistics, I mean obviously in terms of demand  
11 response or storage, it was whatever they bid. So they  
12 take these costs, so if say there's a lot of demand  
13 response or storage in the mix, they take it. If it's  
14 expensive, they don't. But the good news was it went  
15 relatively smoothly.

16           I would contrast when Europe had its full eclipse  
17 the Germans road through it pretty well, but it was a  
18 cloudy day in Germany. The Italians just disconnected all  
19 the solar from the system for the eclipse. It's one way of  
20 dealing with that, you know? But anyway, Blaudra  
21 (phonetic) wasn't connected any way I think in those years.  
22 So anyway different approaches, but I think certainly a  
23 test.

24           One of the things we were curious about going in  
25 is obviously wind is driven by thermal differentials. And



1 the question, you certainly felt it cooler when the eclipse  
2 -- and so anyway there didn't seem to be any impact on wind  
3 production in California. But again this was sort of a  
4 test case in many respects, going forward. And it was not  
5 just California, but across the nation. Although certainly  
6 on the renewable component we had to be at the top of the  
7 list for impacts, so anyway interesting information from  
8 that.

9 A lot of the IEPR workshops, and we talked more  
10 about the energy efficiency doubling, but we had one  
11 certainty also on basically the basic climate effects, how  
12 we're dealing with it in terms of our planning adaptation.  
13 It was a pretty good conversation there. Melissa Lavinson  
14 came out from PG&E from DC to be part of the discussions.  
15 That was very interesting. Certainly she made a lot of  
16 strong contributions, so we appreciated her a lot coming  
17 out.

18 So with that, Commissioner McAllister?

19 COMMISSIONER MCALLISTER: Thank you, Chair. So  
20 sometimes the personal and the professional sort of collide  
21 (indiscernible) it's hard to remember what to do with those  
22 moments. But I probably kind of need to say something, and  
23 don't want to interrupt the flow of all the good work that  
24 I know you were looking to talk about.

25 But anyways I was able to go with my family to a

1 wonderful cruise to Alaska and see some incredible beauty,  
2 some renewable energy, but mostly just scenery and just  
3 really beautiful family event to move a lot of my in-laws  
4 and a week of togetherness there, and accompanied with the  
5 eclipse actually. And I have a beautiful picture of Lesley  
6 looking at the eclipse through her glasses and just looking  
7 extremely happy. And we were there in a field in Oregon,  
8 rural Oregon with just a bunch of friends from grad school  
9 and life. And it I think was just really a beautiful sort  
10 of incident to remember.

11           And a couple of days later as you all know, that  
12 she entered into a crisis with her pulmonary system and did  
13 not come out of it and passed on the 30th. So this has  
14 been a rough few weeks after a very rough few years. And I  
15 just wanted to take this opportunity to thank each of you  
16 after all your support. I mean it's been (indiscernible)  
17 and as well as staff here at the Commission, and Rob and  
18 your team and all of the divisions that I've worked with,  
19 the staff was just been incredibly caring and  
20 compassionate, you know, the Chief Counsel's Office, have  
21 just provided all the support that I could have possibly  
22 needed.

23           So the Governor's Office I'll have to call out,  
24 really the Chair and the Governor's Office, as just being  
25 incredibly supportive. The Governor is such a

1 compassionate man and that just sets the tone for the whole  
2 team across the state. And I felt that every day.

3           So it was a beautiful celebration of life, a week  
4 ago Sunday and there will be more. There will be more --  
5 there will be one probably at -- well certainly there will  
6 be one at King Hall and there will be one at the Energy  
7 Resources Group at Berkeley. There may be others. I mean,  
8 I know what an amazing network Lesley and how people  
9 revered her and respected her work. But I think even I did  
10 not fully appreciate the impact that she was having as a  
11 young scholar.

12           And so it's sort of a tough time for us, and  
13 (indiscernible) the kids and I just wanted to again just  
14 take this opportunity to thank you. I'll keep you posted  
15 about whatever happens. I know that all of you knew her  
16 and some more than others, but really she was an  
17 extraordinary person. And will leave a big legacy that I  
18 will continue to respect and build upon.

19           And so anyway, basically the message is thank  
20 you. It's hard to know how much to talk here, but I'm  
21 going to leave it there.

22           CHAIRMAN WEISENMILLER: Well, thanks. You know  
23 thanks for your help.

24           COMMISSIONER MCALLISTER: I'm going to help.  
25 I'll say I'm more committed than ever to our collective

1 enterprise here in California, for providing the global  
2 leadership that we're providing. And this experience has  
3 made it even more personal to me than it was before, which  
4 was deep. So I can't imagine a better place to be, so  
5 thank you very much.

6 CHAIRMAN WEISENMILLER: Well, again thanks for  
7 being here and however we can help.

8 I think we'll go on to 12. We're going to -- the  
9 Commission -- actually I'll skip this message and we'll go  
10 on to Chief Counsel's Report and then we'll come back on a  
11 closed session. So we'll have a closed session today, but  
12 go ahead.

13 MS. VACCARO: The only thing that I have to  
14 report is that there will be the two closed sessions, one  
15 of which will be with Chief Counsel, on the Helping Hand  
16 matter and the Chair will be announcing that.

17 CHAIRMAN WEISENMILLER: Thank you.

18 Okay. Let's go on to Executive Director Report.

19 MR. OGLESBY: Well, as my final report I just  
20 once again want to express my gratitude and thank you for  
21 the memories.

22 CHAIRMAN WEISENMILLER: Public Adviser Report?

23 MS. MURIMI: Good morning Commissioners, Chair.  
24 Eunice Murimi for the Public Adviser, nothing to report.

25 CHAIRMAN WEISENMILLER: Okay, so now we at public

1 comment. And I believe we have one public comment. Please  
2 come forward, oh on the phone. Please, go ahead. The line  
3 is open.

4 MS. SIEKMANN: Hello. Can you hear me?

5 CHAIRMAN WEISENMILLER: Yes, we can. Please  
6 introduce yourself.

7 MS. SIEKMANN: Oh, okay. Thank you very much.  
8 Good morning, Commissioners. I'm Kerry Siekmann,  
9 intervener with the Commission regarding the California  
10 Energy Center Project and the amended Carlsbad Energy  
11 Center Project in Carlsbad.

12 On August 18th, there was a Petition to Amend  
13 filed by the California Energy Commission regarding the  
14 amended Carlsbad Energy Center Project.

15 On August 30th, Terramar filed an objection to  
16 this amended project and the amendment was to define below  
17 grade conduit. Terramar does not oppose specifically the  
18 below grade conduit, but the fact that over and over Power  
19 of Vision, another intervener and ourselves Terramar, asked  
20 numerous times during the hearings for both the Carlsbad  
21 Energy Center Project and the amended project, that they  
22 underground lines. And so now all of a sudden, we have  
23 this visual nightmare of lines.

24 So what we're asking for is to look at this, to  
25 look at this amendment. They didn't even discuss visual

1 resources. So what I'm asking is Commission and staff,  
2 take a look at what their undergrounding and see if there  
3 are other things that can be undergrounded too, which is  
4 what we asked for and Power of Vision asked for over and  
5 over and over again. It just seems fairly clever of NRG to  
6 be asking to underground now that there is an amendment and  
7 it's past staff and nobody's involved. And now they want  
8 to underground something, when before they said they  
9 couldn't.

10 So what we're asking for is please, take a look  
11 at this amendment, see if there are other lines that can be  
12 undergrounded before you give them permission to do this  
13 particular part. And I thank you for listening.

14 CHAIRMAN WEISENMILLER: Thank you for your  
15 comment. Basically, we take comments. We don't under this  
16 process here, we don't really respond to those.

17 I was going to note that certainly in terms of  
18 going forward there is a process to look at amendments and  
19 to take comments on those amendments and certainly  
20 encourage your participation in that. But I think that is  
21 about as far as I can go today, looking at my Chief  
22 Counsel. So again, thank you.

23 So let's go to, as I said, in terms of Item 12,  
24 so the Commission will now go into closed session as  
25 specified in agenda items 12 and 13.

1           Item 12 provides that pursuant to Government Code  
2 Section 11126(a), the Energy Commission may adjourn to  
3 closed session to address personnel matters.

4           With respect to item 13, the Commission will  
5 adjourn to closed session with its legal counsel, pursuant  
6 to Government Code section 11126(e) to discuss item 13f,  
7 Helping Hand Tools and Robert Simpson versus Energy  
8 Commission.

9           We anticipate being back here I'll say about  
10 1:15. We can't say the forecasting of is particularly  
11 accurate, but that's a guess. So anyway, we're going into  
12 closed session now. Thanks.

13           (Adjourned for Closed Session at 11:50 a.m.)

14           CHAIRMAN WEISENMILLER: Good afternoon, we're  
15 back in the session after our closed session. This meeting  
16 is adjourned.

17           (Adjourned the Business Meeting at 1:56 p.m.)

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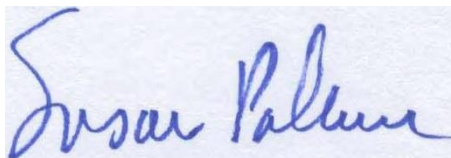
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I do hereby certify that the testimony in the foregoing hearing was taken at the time and place therein stated; that the testimony of said witnesses were reported by me, a certified electronic court reporter and a disinterested person, and was under 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 September, 2017.



Susan Palmer  
Certified Reporter  
AAERT CERT 00124



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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 September, 2017.

  
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Myra Severtson  
Certified Transcriber  
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