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CALIFORNIA ENERGY COMMISSION

In the Matter of:

Power Source Disclosure -)
AB 1110 Implementation)
Rulemaking)

Docket No. 16-OIR-05

Staff Pre-Rulemaking Workshop on Updates to
Power Source Disclosure (Rescheduled Date)

CALIFORNIA ENERGY COMMISSION

FIRST FLOOR - ROSENFELD HEARING ROOM

1516 NINTH STREET

SACRAMENTO, CALIFORNIA

THURSDAY, FEBRUARY 1, 2018

1:00 P.M.

Reported by:

Peter Petty

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AGENDA

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1 reconvene at Roosevelt Park which is located
2 diagonally across the street from this building
3 that way. Please proceed calmly and quickly.
4 And again, follow the employees with whom you are
5 meeting to safely exit the building. Thank you.

6 Copies of this workshop agenda and the AB
7 1110 implementation proposal are available on the
8 desk at the entrance, as well as online.

9 Written comments should be submitted by
10 5:00 p.m. on Friday, February 23rd. Written
11 comments may also be e-filed through our website,
12 and a link is provided on this slide. Note that
13 we are providing three weeks from today for the
14 submission of written comments. And we're
15 providing this lengthy period of time up front,
16 so please be advised that we don't anticipate
17 providing an extension to the comment period down
18 the road.

19 I'll start by briefly running through
20 this workshops agenda. We'll begin with some
21 background information, then explain the amended
22 AB 1110 implementation proposal, focusing on the
23 changes from the previous draft. After that,
24 I'll walk folks through the proposed annual
25 reporting template so stakeholders get a sense of

1 how the new reporting requirements will be
2 incorporated and how the GHG data will be
3 displayed on the power content label. Then I'll
4 open the floor to public comments, and finally
5 outline our next steps before concluding this
6 workshop.

7 Let me touch briefly on our rulemaking
8 process.

9 The Energy Commission's required to
10 implement AB 1110 through a formal rulemaking in
11 accordance with the rules laid out by the Office
12 of Administrative Law. Right now we're in the
13 pre-rulemaking phase, and informal step that can
14 be used before a formal rulemaking to carry out
15 preliminary activities.

16 As part of our pre-rulemaking activities,
17 we held a scoping workshop in February of 2017,
18 and held another workshop in July of 2017 to
19 present our implementation proposal for AB 1110.
20 A public comment period has followed each
21 workshop. At this workshop, we'll introduce a
22 revised version of the implementation proposal
23 developed with consideration of the public
24 comments received to date.

25 Staff plans to publish draft regulatory

1 language and to initiate a formal rulemaking
2 process in accordance with the Administrative
3 Procedures Act in late 2018, and to complete the
4 regulation and present it for adoption in 2019.
5 Throughout this process, workshops, hearings and
6 public comments periods are built in to ensure
7 stakeholders are able to participate. All oral
8 and written comments are saved as part of the
9 official rulemaking record.

10

11 Our timeline is intended to ensure that
12 regulatory guidance will be available well in
13 advance of the June 2020 start date for GHG
14 emissions reporting under Power Source
15 Disclosure.

16 To ensure everyone here has an
17 understanding of our starting point, I'll provide
18 an overview of the program and the changes
19 required under AB 1110.

20 The Power Source Disclosure was
21 established in 1998 and was designed to provide
22 clear and accurate information about the sources
23 of a consumer's electricity. Load serving
24 entities are required to report their generation
25 sources, their wholesale sales and their retail

1 sales annual. This data is reported -- this data
2 reporting is used to construct individual power
3 mixes for each electric service products and for
4 California as a whole. The Energy Commission
5 uses data submitted in annual power source
6 filings, as well as other sources, to construct
7 California's total system power mix. LSEs then
8 disclose to their customers a power content label
9 which displays the power mix of the customers
10 electric service product, alongside that of the
11 state's total system power mix.

12 Assembly Bill 1110, authored by Assembly
13 Member Phil Ting, was signed into law in the fall
14 of 2016. The new law makes a number of changes
15 to Power Source Disclosure. It requires LSEs to
16 disclose the greenhouse gas emissions intensity
17 factor associated with each electric service
18 product. A GHG emissions intensity is a rate, a
19 mass quantity of emissions per unit of
20 electricity. To determine these overall GHG
21 emissions intensities, AB 1110 requires the
22 Energy Commission, in consultation with the Air
23 Resources Board, to develop a method for
24 calculating facility-level GHG emissions
25 intensities and overall GHG emissions intensities

1 for each electric service product and for
2 California as a whole.

3 In addition, AB 1110 contains a provision
4 requiring that all marketing claims pertaining to
5 an LSE's GHG emissions intensity should be
6 consistent with the methodology adopted by the
7 Energy Commission through this proceeding.

8 AB 1110 also requires the disclosure of
9 an LSE's unbundled Renewable Energy Credits,
10 which are RECs that have been disassociated from
11 the electric with which they were generated. AB
12 1110 provides the Energy Commission with the
13 discretion to determine the appropriate method
14 for an LSE to report and publicly disclose its
15 unbundled RECs.

16 The implementation of AB 1110 is guided
17 by a number of principles detailed in the
18 statute. The power content label serves the
19 general public, so the Energy Commission needs to
20 develop rules that will result in LSEs providing
21 simple, easy to understanding information to
22 consumers.

23 The Energy Commission is required to
24 minimize the reporting burden on LSEs. And the
25 reported data must be accurate, which means we

1 need to design rules that ensure GHGs
2 and energy resources are only counted once. To
3 provide accurate information to consumers, the
4 Energy Commission needs to have verified data.

5 The Energy Commission staff aims to
6 develop a GHG emissions intensity method that is
7 consistent, to the extent practicable, with CARB-
8 administered programs, including the regulation
9 for the mandatory reporting of greenhouse gas
10 emissions, also known as MRR, and the Cap-and-
11 Trade Program. We found that alignment with the
12 Air Resources Board's method provides a path to
13 meeting the statutory principles described in the
14 previous slide.

15 Moreover, alignment with CARB practices
16 provides consistent program and consumer
17 information. Our aim is for the power content
18 label to reflect CARB's emissions accounting, and
19 therefore to reflect the metric used to measure
20 California's electric sector emissions
21 reductions' targets required by SB 350 which
22 underpin the state's overall efforts.

23 This presentation discusses the major
24 topics of the revised AB 1110 implementation
25 proposal. Please note that the staff

1 implementation proposal also includes topics that
2 are not addressed in this presentation, such as
3 definitions, data sources and minor programmatic
4 changes. But, of course, public comment is
5 welcome on all sections of the staff proposal.

6 We've received a lot of feedback in
7 response to our proposal last summer. First, I'd
8 like to stress that we took that feedback
9 seriously. We spent months evaluating
10 alternatives and we concluded that our proposed
11 treatment of RECs for emissions accounting meets
12 the program needs of Power Source Disclosure.
13 Still, I'd like to take a moment to articulate
14 the rationale that informed our proposal.

15 First, we've heard from stakeholders that
16 RECs are an established, verifiable currency for
17 tracking emissions. However, the arguments in
18 favor of using RECs to track or reduce emissions
19 presupposes that displaced emissions will be
20 attributable to utilities in other regulatory
21 jurisdictions. To avoid double counting and
22 under counting of emissions, Energy Commission
23 staff has concluded that using RECs to reduce
24 emissions would result in displaced emissions
25 that could be unaccounted for in other regulatory

1 jurisdictions.

2 Second, Power Source staff agrees with
3 the findings by the CPUC and CARB that RECs do
4 not confer emissions reductions and cannot be
5 used to impact emissions accounting. RECs do
6 contain the avoided emissions attribute of
7 renewable energy, but the emissions accounting
8 method we proposed doesn't track avoidable or
9 hypothetical emissions. The presence of
10 renewables does not reduce existing emissions on
11 the grid.

12 Third, AB 1110 requires the disclosure of
13 emissions associated with the electricity used to
14 serve California customers. In the case of
15 firmed and shaped imports, electricity from the
16 renewable generator is not imported into a
17 California balancing authority; substitute power
18 is imported. That isn't the case for other
19 specified transactions, whether its Bucket 1
20 renewables, large hydro from the northwest, or
21 fossil fuel generation, or any other specified
22 transaction under Power Source Disclosure, those
23 transactions are directly delivered. With that
24 in mind, we've concluded that firmed and shaped
25 imports have a qualitative difference from

1 directly delivered renewables, and as such it is
2 appropriate to reflect that under our proposed
3 emissions accounting.

4 Firming and shaping was designed to
5 facilitate renewable claims under RPS and it will
6 continue to do so under Power Source. But for
7 emissions accounting, our proposed method is to
8 track direct deliveries of electricity used to
9 serve retail load to California customers.

10 And finally, Energy Commission staff
11 believes it is appropriate for the treatment of
12 firmed and shaped imports under Power Source to
13 be consistent with emissions accounting at CARB.
14 CARB is the lead agency for GHG emissions
15 accounting in California. CARB implements the
16 state's Cap-and-Trade Program. And CARB also
17 set -- CARB will also set the emissions
18 reductions targets for the electricity sector as
19 required by SB 350. Consequently, Energy
20 Commission staff has concluded that California's
21 power content labels should reflect the same
22 performance metrics used by the state to
23 establish and measure its progress towards
24 emissions reduction goals.

25 As required by AB 1110, LSEs will

1 disclose the GHG emissions intensity of each
2 electric service product. As detailed in the
3 revised proposal, Power Source Disclosure will
4 calculate generator-specific emissions using MRR
5 and EIA data sources. The Power Source
6 Disclosure annual reporting form will then be
7 used to calculate the overall emissions intensity
8 of the electricity sources used to serve retail
9 sales. This overall emissions intensity will be
10 expressed in kilograms of carbon dioxide
11 equivalent per megawatt hour.

12 The table displayed here provides a
13 general overview of the reporting of procurement
14 for both the power mix and GHG emissions
15 intensity calculations required under Power
16 Source Disclosure. As I'll discuss in the
17 following slides, our proposed power mix and GHG
18 emissions intensity methods differ because the
19 power mix uses RECs to classify eligible
20 renewable procurements, whereas RECs are not used
21 to reduce emissions under the GHG emissions
22 intensity calculations.

23 Power mix accounting will largely
24 unchanged. Program definitions are reporting --
25 the program definitions and reporting forms will

1 be updated. Bundled transactions for directly
2 delivered and firmed and shaped electricity
3 products from generators certified under
4 California's RPS will be counted as eligible
5 renewable resources on the power content label.
6 Null power, meaning the electricity from a
7 renewable generator that has been disassociated
8 from its RECs, will be counted as unspecified
9 power.

10 Importantly, because unbundled RECs do
11 not represent actual electricity, Staff proposes
12 that unbundled RECs should not factor into the
13 calculations for the power mix or GHG emissions
14 intensity. Rather, LSEs will report their
15 unbundled RECs and disclose them separately on
16 the power content label as a footnote. Our
17 proposal does call for unbundled to be reported
18 according to the year in which they retired
19 rather than generated. This is to ensure
20 unbundled RECs will not be double counted since
21 unbundled RECs can be resold, unlike RECs bundled
22 through directly delivered and firmed and shaped
23 transactions.

24 Our GHG emissions accounting will be
25 based on delivered electricity. As I'll go on to

1 discuss, this method differs from power mix
2 accounting, in particular with respect to firmed
3 and shaped imports which have the renewable
4 attributes of the associated RECs but are paired
5 with substitute electricity that is delivered to
6 a California balancing authority. Our proposed
7 emissions accounting -- our proposed emissions
8 accounting method is designed to align with CARB
9 practices and thus reflects the emissions
10 accounting and reduction activities led by CARB.

11 We've clarified the distinction between
12 directly delivered and firmed and shaped
13 specified procurements. Under the revised
14 proposal, directly delivered specified
15 procurements must have a first point of
16 interconnection with a California balancing
17 authority, or be delivered into a California
18 balancing authority. This applies to both power
19 mix and GHG emissions accounting. As defined in
20 statute, electricity must be transacted with RECs
21 in order to be counted as an eligible renewable
22 resource under Power Source Disclosure.

23 Consistent with MRR, null power will be
24 assigned the emissions intensity factor of the
25 generator. This means that null power may convey

1 zero GHG emissions characteristics for the
2 purposes of emissions accounting. For the power
3 mix, however, null power will continue to be --
4 will continue to be classified as unspecified.

5 We've added a clarification that
6 specified resources -- specified sources must be
7 directly delivered to a California balancing
8 authority rather than to the LSEs particular
9 balancing authority area in order to claim the
10 emissions profile of the specified generator.
11 This change addresses concerns about unclear
12 guidance pertaining to certain in-state renewable
13 resources under the initial proposal.

14 Stakeholders raised concerns about how to
15 claim GHG-free generation that was delivered to a
16 California balancing authority area but not
17 delivered specifically to the LSE's own balancing
18 authority. This may have affected in-state
19 renewables in which the generation was sold into
20 a spot market rather than physically transmitted
21 to the procuring LSE. Under the revised
22 proposal, only one LSE may make specified claims
23 on directly delivered generation.

24 On the other hand, if the LSE retains the
25 RECs and sells the null power as a specified

1 transaction to another LSE in a bilateral
2 contract rather than dumping electricity into the
3 ISO or another market, that null power will
4 retain the GHG emissions characteristics of the
5 renewable generator, which means that the owner
6 of the RECs may not claim the energy associated
7 with those RECs as zero GHG. What this change
8 aims to do, in other words, is ensure that
9 directly delivered renewables keep their fuel
10 type and emissions characteristics intact to
11 avoid the possibility of double counting zero GHG
12 generation.

13 For firmed and shaped imports, our
14 proposed treatment has not changed since the last
15 version of the proposal. Firmed and shaped
16 imports will be reported under the fuel type of
17 the REC, but the calculation of GHG emissions
18 intensities will be done based on the GHG
19 emissions associated with the substitute power.
20 If an LSE can identify a specified of the
21 substitute power, the LSE may claim the emissions
22 factor of that substitute power. Otherwise,
23 substitute power for firmed and shaped imports
24 will be classified as unspecified and will be
25 assigned CARB's default emissions factor for

1 unspecified power, 0.428 metric tons of CO2e per
2 megawatt hour.

3 We've included a revision that allows
4 LSEs to claim the resource mix of an asset-
5 controlling supplier for specified purchases of
6 system power from the asset-controlling supplier.
7 This means, for example, that if a LSE bought a
8 specified resource mix from Powerex that was 95
9 percent large hydro and 5 percent natural gas,
10 the LSE will be able to report that breakdown in
11 its Power Source Disclosure annual filing. To
12 facilitate this change, Power Source Disclosure
13 staff is exploring how to leverage existing
14 asset-controlling supplier reporting under MRR.

15 Staff proposes that specified deliveries
16 of null power will convey the GHG emissions
17 intensity of the specified generator. For the
18 power mix, null power will continue to be
19 classified as unspecified.

20 In addition, as stated in a previous
21 slide, null power that has been sold into a spot
22 market will not be allowed to be claimed as zero
23 GHG generation. All purchases from spot markets
24 must be classified as unspecified for the power
25 mix -- must be classified as unspecified for the

1 power mix and will be assigned the default
2 emissions factor for unspecified power.

3 Staff proposes that unspecified
4 electricity, including any electricity that has
5 been transacted through the EIM, will be assigned
6 CARB's default emission factor. CARB and the
7 California ISO are currently performing analysis
8 of EIM to evaluate GHG emissions attributable to
9 EIM transactions. If the results of this
10 analysis yield a method for more accurately
11 reflecting GHG emissions attributed to
12 transactions, Energy Commission staff will
13 consider incorporating that method under Power
14 Source Disclosure through a public process.

15 The updated proposal includes a change to
16 the treatment of an LSE's self-consumption and
17 grid losses from transmission, distribution,
18 power wheeling and transmission interconnected
19 energy storage. AB 1110 requires power mix and
20 GHG accounting to be based on retail sales, but
21 retail sales doesn't include self-consumption and
22 grid losses.

23 To reconcile this disparity, Staff
24 proposes that self-consumption and grid losses
25 will be proportionately attributed to

1 nonrenewable sources. This proposal reflects
2 existing practices around the disposition of
3 delivered electricity sources and is consistent
4 with current practice under Power Source
5 Disclosure.

6 Another change in the current proposal
7 pertains to the accounting of line loss
8 adjustments for imports. The updated proposal
9 does not include a line loss adjustment factor
10 for imported electricity, meaning electricity
11 losses that occur before delivery to a
12 California -- meaning electricity losses that
13 occur before delivery to a California balancing
14 authority area. This change was made to address
15 stakeholder feedback regarding the complexity and
16 impact of accounting for emissions that are
17 upstream of retail sales.

18 The revised proposal allows a POU to
19 apply for emissions adjustment credits on
20 historic eligible generation that occurs on after
21 January 1st of 2017, the date AB 1110 took
22 effect. Staff proposes a qualifying POU to
23 annually generate emissions credits denominated
24 in megawatt hours equal to the quantity of
25 eligible GHG-free generation in excess of its

1 retail sales and wholesale sales of specified
2 sources for a given year multiplied by the
3 default emissions factor for a specified power.
4 These emissions can be applied by the POU to
5 reduce a POU's current or future reported annual
6 GHG emissions and thereby reduce or eliminate the
7 GHG emissions intensity of its electricity
8 offerings on the power content label for a
9 reporting year. Each emissions credit can be
10 applied only once.

11 The revised proposal also includes a
12 change to the proposed treatment of biogenic CO2.
13 The proposal states that biogenic CO2 still will
14 not be included in the GHG emissions intensities
15 of electric service products. However, an
16 emissions rate that includes biogenic CO2 for the
17 electric service product and for the state will
18 be disclosed in a footnote on the power content
19 label. This change will provide further
20 transparency to consumers and is meant to better
21 reflect how biogenic CO2 is treated under CARB's
22 MRR and GHG emission inventory.

23 In addition, the revised AB 1110
24 implementation proposal contains a number of
25 minor programmatic changes intended to clarify

1 existing requirements or streamline reporting.
2 For example, Staff proposes to eliminate the
3 existing Schedules 3 and 4 of the annual
4 reporting template as these sheets are only
5 applicable to power pools and have not been used
6 for several years.

7 Staff also plans to propose updated
8 reporting schedules and will establish a due date
9 for public agencies to submit final Board
10 approval of Power Source filings since the
11 current regulation does not specify a due date.

12 So now I will be moving on to the second
13 event, second agenda topic of the day. I will
14 display the proposed annual report form and
15 provide a very general demonstration of how to
16 complete the updated forms, so stakeholders get a
17 sense of how the new requirements will translate
18 to actual reporting. I'll also display the
19 proposed power content label to show Staff's
20 proposal for how GHG data will be displayed.
21 Following this demonstration, we will open up the
22 floor to clarifying questions and public
23 comments. At the end of the public comment
24 section, I'll discuss next steps and we'll
25 conclude the workshop.

1 Okay, so this is our draft for the
2 revised reporting forms. A lot of this will look
3 familiar. It's based on the existing template.

4 In Schedule 1, you'll provide line item
5 entries for your generation procurements. You'll
6 enter retail sales and resources, separated by a
7 couple of category types. Fields in gray auto-
8 populate. And fields in white require data
9 input.

10 A couple of things to note with the
11 revised Schedule 1 is that it does a lot of the
12 work for you. We constructed these in a way
13 that, we hope, minimizes reporting requirements
14 to the extent that it may not be any more work
15 going forward than it is for current Power Source
16 reporting.

17 Reporters will enter the fuel type in a
18 drop-down menu, and enter the EIA number. That
19 drop-down menu will pull the data into Schedule 4
20 so that it will do all the math for you to make
21 the power mix breakdown. Entering EIA numbers
22 with each generator will pull the GHG emissions
23 intensities and populate them here, and it will
24 pull from the set of emissions factors that we
25 will publish annually and incorporate into the

1 reporting forms.

2 So this version that I put in the docket
3 for now just has sample random facilities, these
4 aren't real, but you can use these to explore the
5 reporting form and see how it would actually
6 work. If you enter a facility and put in a given
7 EIA number, it will pull the appropriate
8 emissions intensity factor.

9 Schedule 2 will be used to report
10 unbundled RECs. And then the data from Schedules
11 1 and 2 gets pulled through Schedules 3 and 4 to
12 complete everything from that point. Schedule 3
13 calculates biogenic CO2. And Schedule 4
14 aggregates everything that you'll need to
15 construct your power content labels. It
16 calculates the power mix, the emissions
17 intensity, the biogenic CO2 emissions intensity,
18 and the percentage of retail sales covered by
19 unbundled RECs.

20 One more thing I should add. On Schedule
21 1, LSEs will report their gross megawatt hours
22 procured and the megawatt hours resold. The next
23 column calculates the net procured megawatt
24 hours. The one after that is adjusted net. For
25 these renewables, it doesn't do anything, but

1 down here it will display reductions that make
2 the adjustments for grid losses and self-
3 consumption.

4 If you'll look here you'll see an entry
5 for null power, so in this case it's some wind
6 facility in which the electricity has been sold
7 as a specified transaction to some other LSE. It
8 will get reported as null power in the drop-down
9 menu for fuel type, but on Schedule 4, it will
10 pull this into the aggregated total for
11 unspecified power.

12 And down here I have an example of what
13 it looks like to report procurement from the
14 specified mix from an asset-controlling supplier,
15 so this has large hydro and natural gas from the
16 Powerex system mix with certain quantities. This
17 could be calculated using the ACS procurement
18 calculator that's built into this template. So
19 each year we'll pull ACS emissions factors and
20 power mix data and incorporate it on this form,
21 so if you enter the total amount of generation
22 procured by the ACS the form will calculate for
23 you how much you should enter for each resource
24 type, as well as the emissions factor that should
25 be used for each line item.

1 So there's four reporting schedules.
2 Only two of them require data entry, that's
3 Schedule 1 and Schedule 2. Schedule 4 will be
4 used to construct the power content label. For
5 your information, there will be the list of
6 factors that will be used to auto-populate in
7 Schedule 1. There's the procurement calculate
8 for ACS power and the out-of-station.

9 The power content label looks pretty
10 familiar. We displayed something like this in
11 the last implementation proposal. So we'll have
12 templates for an electric service product that is
13 just the default, or for LSEs that have multiple
14 electric service products, they'll be displayed
15 on a single label. LSEs will enter the power mix
16 values for each of their electric service
17 products and enter the GHG emissions intensity
18 for the service products. This graph generates
19 automatically, so if you enter something
20 different it will change the display.

21 There's a footnote here where the LSE
22 will enter its adjusted emissions intensity that
23 includes biogenic CO2; that's Footnote 1. And in
24 Footnote 4, they'll report their quantity of
25 unbundled RECs or retired as percentage of retail

1 sales.

2 MS. LEE: Jordan, before we move into
3 public comment, we're going to take just a brief
4 break, let people stretch their legs, and we're
5 going to move the podium in for your convenience
6 in making a comment. Okay?

7 MR. SCAVO: Okay.

8 MS. LEE: Okay. All right, so we'll take
9 a quick break.

10 (Off the record at 1:40 p.m.)

11 (On the record at 1:44 p.m.)

12 MS. LEE: For those folks providing
13 public comment in the room, we're going to ask
14 you to step up to this microphone where I'm
15 standing. We'll have to have you turn your heads
16 a little bit. Sorry about that. Okay.

17 So first, let me introduce myself. My
18 name is Natalee Lee. I'm the Acting Deputy
19 Director of the Renewable Energy Division here at
20 the Energy Commission. And again, we are joined
21 by Brieanne and Ryan from the Air Resources
22 Board. And we're not here really for a Q and A,
23 to provide Q and A, but we do want to be
24 available in case something should come up that
25 we can address for you, but we are very

1 interested, of course, in hearing your comment
2 here in the room. And then we will open it up
3 for comment from our WebEx participants. And
4 again, all comments made here will be a part of
5 the public record, but we, of course, encourage
6 you to support your comments here by providing
7 written comment to the docket.

8 So with that, I will stay here. And
9 let's -- do we have a first victim?

10 MR. UHLER: I filled out a card.

11 MS. LEE: All right. Thank you.

12 MR. UHLER: My name is Steve Uhler,
13 U-H-L-E-R.

14 MS. LEE: Oh, Steve, pardon me. Pardon
15 me. Steve, I apologize. Jordan -- I do believe
16 Jordan had just a few requests of our public
17 speakers for some time limitations.

18 MR. UHLER: There was five minutes on
19 the --

20 MS. LEE: Yeah.

21 MR. UHLER: So is -- I'll try to stay
22 under five.

23 I'm concerned that the bureaucratic
24 weight of this system will limit the timeliness
25 which, apparently, you've left out of the note,

1 that the statute says timely information is
2 valuable.

3 Let's see. Also, I'd like to have an
4 enhancement of some sort so the public knows how
5 to -- when a load-supporting entity does not send
6 them a power content label, how they can
7 assuredly see that they always will. I'd like to
8 see that.

9 Also, I'd like to see something that
10 would limit what I call posers. Those would be
11 folks who would give you a power content label
12 and it turns out to be null power. They'll give
13 you a sticker, a sticker that you can stick in
14 your window that says you're solar powered, but
15 it turns out to be null power, so the regulation
16 really needs to deal with this issue. I'm
17 holding probably a couple thousand dollars' worth
18 of expense on my part that turned out to allow a
19 load-supporting entity to then consume four times
20 that kilowatt hour in fossil-fuel generated
21 electricity. That's the large reason why I'm
22 here. And I'm waiting for the Energy Commission
23 to tell me, where did this power go?

24 And also for the folks who certify this
25 kind of stuff, like Center for Resource

1 Solutions, I would like to see controls on those
2 folks within this system, that those folks, when
3 they certify, they take into account this kind of
4 stuff. You guys need to work together on that to
5 make sure there's no double counting. I own
6 this. If anybody else is taking this, you've
7 double counted because you can't make a REC which
8 is a coupon to burn fossil fuel. Okay?

9 No banking of any kind of emissions.
10 You've left out the word prospective customer
11 when the label's got to be presented. Nobody
12 should be able to tell somebody what they did up
13 to two years ago and expect that they're going to
14 be delivered that. If a particular generation
15 type has a reliability issue, such as
16 hydroelectric, and not being able to deliver
17 consistently, then the public needs to know.
18 Maybe they would rather go fishing and boating on
19 that water instead of using it to generate
20 electricity. So no banking at all. That
21 misleads.

22 Plant IDs. You're going to use EIA?
23 Then you should do with any plant ID you have
24 within the system, QFER, renewable, it needs to
25 be one plant ID. Even with your own staff, you

1 come up with different IDs for the same thing,
2 and leave off IDs. Do you have a quality system,
3 like ISO 9000? If you did you would already have
4 one number that you would use, like a Social
5 Security number.

6 So let's see. The wording in your
7 system, you've left -- that statute says one
8 thing that the public should expect to get, like
9 timeliness, a label sent to them. You need to go
10 back over the statute and put in all those rights
11 that this legislation has given us and not leave
12 it out because somebody says, oh, that's a
13 burden, I can't calculate that. I'd like to see
14 you take -- and you have a medallion, I guess,
15 here, you tweeted it the other day, that you're
16 100 percent renewable powered, with a picture of
17 a windmill. Load the power content label if you
18 already haven't had it, and show us exactly where
19 that gets -- how that power gets to you, where it
20 comes from and how it's delivered.

21 How am I on time?

22 MS. LEE: Pretty close. I'm sorry, I
23 walked over here, so I don't have an exact, but
24 you're at five minutes. We're right in the five-
25 minute range, so are there some other points

1 you'd like to raise?

2 MR. UHLER: Okay. So I must stress, once
3 again, I want you guys to tell me and want some
4 public adviser to tell me how I can find out
5 where this stuff is because no posers -- this
6 regulation needs to get rid of this posing
7 activity of presenting what looks like a power
8 content label that turns out to be null power,
9 turns out to be the use of the RECs to burn
10 fossil fuel. I'm here to reduce carbon, and this
11 regulation is useless if you do not prevent
12 posers and see whether or not your medallion is a
13 poser.

14 Thank you.

15 MS. LEE: Thank you.

16 Is there anyone else who would like to
17 speak?

18 (Off mike colloquy.)

19 MS. LEE: Actually, Tim, why don't we do
20 this, why don't we have you step up with Jordan.
21 We're sure that microphone works well. I
22 apologize, little challenges in the room today,
23 but it's okay. We'll have you come up with
24 Jordan. That will avoid people's necks having to
25 turn. Thank you.

1 MR. TUTT: Good afternoon. Tim Tutt from
2 SMUD. Thank you for the opportunity to comment
3 here today.

4 I think the first thing I would like to
5 say is that it would be actually, in my mind,
6 much more productive to have a roundtable forum,
7 rather than stakeholders getting up five minutes
8 at a time and talking about a particular issue or
9 a particular comment. This is a very complex
10 area and it needs that kind of party-to-party
11 discussion to be resolved in such a way that
12 everyone's going to be happy with it, I think, or
13 at least not too displeased with it. So I would
14 request that you have some kind of roundtable
15 discussion as part of the process.

16 Second, I appreciate the clarification on
17 the specified or directly delivered power and the
18 fact that that power not only is the
19 renewable -- has the renewable nature, but also
20 carries with it a zero GHG signature. Even if
21 it's not directly delivered all the way to one's
22 own balancing authority or service area, I still
23 worry that the null power issue might end up with
24 some people double counting and considering that
25 even though they're -- they don't have a REC for

1 the power, they might be thought of as getting
2 zero GHG power because you've talked about
3 specified null power having the emissions
4 signature of the generator.

5 Now when we engage in those transaction,
6 when we buy the power and the RECs and then sell
7 the power wholesale, that power gets scheduled by
8 a scheduling coordinator. And if we're a
9 scheduling coordinator for that power, we
10 probably have the ability to control a little
11 about how that power is then interpreted or
12 presented in the marketplace. But if somebody
13 else is the scheduling coordinator, we don't
14 really know whether or not they may be referring
15 to that power as maybe not necessarily emissions
16 free, but saying you get the resource adequacy
17 benefits of this generator and it's pointing to a
18 wind generator.

19 If the power is coming from out of state,
20 you can trace it back to the generator with an e-
21 Tag, in addition to tracing it back through the
22 REGIS system. So the REGIS system is where, I
23 think, your focus should be in terms of tracing.
24 And these tracings, other tracings through the
25 electricity generation system, via e-Tags or

1 scheduling coordinator, things of that sort, that
2 shouldn't happen.

3 And then I'd like to talk briefly about
4 you made a good change in clarifying that
5 resources need to be certified as eligible under
6 the Commission's RPS program. And what concerns
7 me is last I looked, unbundled RECs are eligible
8 under the Commission's RPS program. They come
9 from a specified resource that intensity the
10 WECC. It's identified. It's certified by the
11 Energy Commission. And it's verified as only
12 being counted once as renewable in REGIS for us
13 to use it for the RPS.

14 So I guess what I'm -- the question I
15 might have is: Do you really want us to say to
16 one branch of the Energy Commission, here's how
17 we're complying with the RPS, with the, you know,
18 unbundled RECs we're allowed to, and then say to
19 our consumers, we don't have any renewable energy
20 that's associated with that? It's something else
21 that the Energy Commission has defined as not
22 really renewable somehow. And to some extent,
23 you know, we have even resources within our
24 service territory that the Energy Commission has
25 called unbundled in the RPS context, so how do we

1 handle those in our label?

2 I think that we need to continue thinking
3 about this. There's other issues. I don't want
4 to go into all of them right now in the five
5 minutes that I have. Again, I want to talk about
6 having some kind of roundtable with stakeholders.

7 Thank you.

8 MS. LEE: Thank you, Tim. Thanks for
9 stepping up to the podium there.

10 MR. OLINEK: This is a different way to
11 look at this room. I'm Spencer Olinek from PG&E.
12 I appreciate your hard work on this the last
13 year, and the opportunity to comment on this
14 revised proposal.

15 I'd like to express our continued support
16 for the treatment of unbundled RECs, but I must
17 also express our disappointment at the lack of a
18 clear and accurate methodology for calculating an
19 LSEs GHG emissions intensity.

20 You may have seen, we proposed keeping
21 that short in hourly accounting methodology in
22 our comments last July, and have since had
23 subsequently conversations with Staff. We feel
24 this proposal most accurately captures GHG
25 emissions associated with serving an LSEs load,

1 rather than the existing annual netting method.
2 Because in reality, the over-generation of a GHG-
3 free resource in a given hour does not displace
4 the use of an energy-emitting resource in a
5 different hour. If we're going to talk about
6 customer clarity, I think that that is decidedly
7 confusing to a layperson paying their bill.

8 We understand that this requires
9 significantly more data to do hourly accounting.
10 We would like to work with CEC, LSEs and,
11 honestly, other state agencies that might have
12 the answers to some of these data hang-ups or
13 what are seen as roadblocks to doing easy and
14 accessible calculations for all affected LSEs.
15 And I think in thinking about minimizing the
16 LSEs' accounting burden, it is worth remembering
17 that this is something new. This is a new, you
18 know, accounting methodology that was directed by
19 the legislature and there is inherently going to
20 be a degree of work involved in that.

21 I think Tim stole my point. I was
22 already going to throw him under the bus from his
23 suggestion last year that we all get together.
24 It's more meetings, it's more trips to
25 Sacramento, but I think that working on this

1 together, not in one-offs with staff, not in
2 five-minute chunks, behooves all of us and gets
3 us to, hopefully, a point of agreement. I think
4 Tim said that he won't object too much to what we
5 present in that setting. And I think this worked
6 very well with the CEC on the Title 20 reg, which
7 was also a non-trivial lift.

8 And in thinking about consistency, the
9 PUC elected to use this clean net short
10 methodology in their recent IRP proposed
11 decision. We'll hopefully have further clarity
12 around where that lands as soon as next week.
13 And this proposal was supported by the IOUs,
14 CalWEA, Friends of the Earth, the California
15 Association of Small and Multijurisdictional
16 Utilities, and the Alliance for Regional Energy
17 Markets, among others. We think that continuing
18 that consistency between the IRP, AB 1110, power
19 content label and ARB's existing programs, again,
20 it helps all of us and hopefully helps customers
21 as well.

22 So with that, I hope that we can talk
23 about this more and at greater length. And
24 you'll hear more from us in writing.

25 Thanks.

1 MS. LEE: Thank you, Spencer.

2 MR. SMITH: Hi there. Adam Smith,
3 Manager of Climate Policy with Southern
4 California Edison.

5 I kind of want to just lend an echo to
6 the idea that having a kind of maybe, you know,
7 targeted set of workshops, maybe one big day,
8 could be pretty useful, kind of divided up into
9 kind of topical chunks. I have a tendency to
10 agree, I think that like, you know, interacting
11 in this forum, even though the public comment
12 process is -- you know, gives us a chance to
13 really air out in detail some of our ideas, it's
14 really useful to have that kind of back and forth
15 in real time instead of having to wait a few
16 weeks to see people's comments and then
17 responding back and trying to, you know, pick Tim
18 out or, you know, my friends from MPCA or
19 somebody else. So I would really support taking
20 that up.

21 I also want to kind of echo PG&E's
22 comments about the clean net short methodology.
23 I think we really applaud them for taking --
24 belaboring more and thinking through some of
25 those details. And to be totally honest with

1 you, some of the responses I've heard from folks
2 in the crowd are just -- generally have been
3 concerns about maybe the complexity of that, but
4 not necessarily its fairness or its additional
5 granularity and how that could be useful to
6 consumers.

7 And so I think that SCE has actually
8 maybe done a little thinking on top of what PG&E
9 has done, and our public comments will probably
10 try to lay out a few ideas of ways we think we
11 can maybe make that a little easier, especially
12 for smaller, you know, publicly-owned utilities
13 or utilities who don't really have the capacity
14 to do that kind of number crunching.

15 So I think that's kind of a second, you
16 know, kind of clear support for a more granular
17 hourly approach for us. I think it's just a
18 truer and better way to talk to consumers about
19 the GHG intensity of the electricity that is
20 delivered to them.

21 I think probably the last thing, and it's
22 maybe more of a question, I don't know, it seems
23 like I've been doing a lot of advocating there,
24 but I do have a question, and that's about the
25 treatment of resources that are used to support

1 system reliability. It seems to our guys taking
2 a look at the proposal you've got right here that
3 the operators or the owners of those facilities
4 would be tagged with the GHG kind of emissions
5 from those, you know, those units running, where
6 those units are often, as you guys know,
7 optimized by CAISO, dispatched, not really our
8 call. I mean, there's a few instances where we
9 are self-scheduling so we can, you know, do
10 testing or operations minutes, make sure things
11 worked out well. But for the most part those
12 things are getting dispatched outside of our
13 authority.

14 And I'm kind of, you know, wondering
15 maybe to hear from you guys, if those -- that
16 electricity, you know, supports system
17 reliability, not necessarily even, you know,
18 delivered to SCE customers, maybe not even
19 supporting, you know, our load? How would those
20 emissions -- would they still kind of go directly
21 to the operator? I can see how that would work
22 in a cap-and-trade setting, for instance, where
23 because of just administrative ease we've decided
24 to kind of saddle the compliance obligation, the
25 real compliance obligation with utilities,

1 because it makes no sense for me as, you know,
2 Johnny or Jill Ratepayer to kind of have a
3 compliance obligation. But it seems, if we're
4 really focused on trying to, you know, directly
5 show consumers what the GHG emissions intensity
6 of their delivered electricity, those kinds of,
7 you know, supporting roles of some of our peaking
8 units, for instance, it doesn't seem to me like
9 that is, you know, GHG emissions that should
10 be -- should kind of show up on the intensity
11 they see on our PCL.

12 So I guess the question -- sorry, I may
13 be longwinded when I'm trying to tease out some
14 of the, you know, the kind of components we see,
15 but any thoughts on peakers, system reliability
16 resources?

17 MS. LEE: I don't think that we would
18 want to speak to an answer kind of offhandedly
19 without really talking --

20 MR. SMITH: Yeah.

21 MS. LEE: -- to you a little more about
22 what you would consider an approach --

23 MR. SMITH: Yeah.

24 MS. LEE: -- a viable approach.

25 Definitely something we can continue to talk to

1 you about.

2 Which might transition to me asking a
3 question of you --

4 MR. SMITH: Yeah.

5 MS. LEE: -- or a request of you. If we
6 were to entertain trying to hold some roundtable
7 discussions or some focused workshops, I think
8 one of the issues would be how to structure that.

9 MR. SMITH: Yeah.

10 MS. LEE: Where do you see the issues,
11 kind of import, where we need to bring folks
12 around a table? So if you could equally kind of
13 provide some suggestions as to topic areas of
14 focus --

15 MR. SMITH: Yeah.

16 MS. LEE: -- we can look at what our
17 opportunity is. And within that realm or another
18 opportunity, we can respond to your question --

19 MR. SMITH: Great. Yeah.

20 MS. LEE: -- of us.

21 MR. SMITH: I mean, yeah, I've probably
22 highlighted a couple of my ideas. I'm sure
23 there's other folks who could highlight some of
24 theirs. But at least in our kind of public or,
25 you know, the written comments we respond back, I

1 think we'd love to highlight a list of the items,
2 the way we think we could maybe break up a day or
3 a session, so thanks.

4 MS. LEE: Yes. We would welcome that
5 from everyone.

6 Thanks, Mike.

7 MR. GIBSON: Good afternoon. Jed Gibson
8 on behalf of the American Wind Energy Association
9 California Caucus.

10 We recognize the importance of informing
11 customers of their power content. And we
12 appreciate the Commission's efforts to implement
13 the AB 1110 changes to the PSD program. We did
14 have some concerns with the proposal -- the
15 proposed treatment of firmed and shaped products.
16 A purchase of a firm and shaped product is
17 acquiring a bundled product; it's the underlying
18 energy from the renewable facility coupled with
19 the REC associated with that energy. And that
20 REC also includes the emissions attributes from
21 the renewable facility.

22 So we're concerned that the proposal's
23 treatment of firmed and shaped products in
24 assigning a GHG emissions factor that's different
25 from the renewable facility itself doesn't make

1 sense, and it also doesn't align with other
2 policies, namely the ARB's MRR.

3 Under the MRR there's an RPS adjustment.
4 So as part of the overall emissions accounting,
5 an LSE is -- the procurement of a firmed and
6 shaped product is recognized in that emissions
7 accounting, whereas the proposed PSD program
8 would -- there's no recognition of that
9 procurement of that renewable product that is a
10 bundled product, as I was discussing.

11 So our concern is that in light of the
12 goals to align the various programs at the state
13 and to kind of avoid a disconnect in state
14 policy, we really think that the proposed
15 treatment of firmed and shaped products needs to
16 be changed under the PSD proposal. And we'll
17 follow up with written comments as well.

18 Thank you.

19 MS. AGUILA: This is Brianna Aguila with
20 the Air Resources Board. I just wanted to make a
21 quick clarification, that the RPS adjustment is a
22 cap-and-trade mechanism to recognize purchases of
23 renewable electricity from out-of-state
24 resources. But under MRR specifically, we are
25 accounting for the emissions from the

1 electricity, so it's not technically an MRR
2 mechanism, it's a cap-and-trade mechanism. So it
3 is not taken into account when we account for the
4 electricity of -- electricity emissions in
5 California.

6 MS. RADER: Hi there. Good afternoon.
7 My name is Nancy Rader with the California Wind
8 Energy Association.

9 We support some aspects of the Energy
10 Commission's staff proposal which -- but I guess
11 we urge you to reconsider PG&E's proposal, the
12 clean net short proposal, which soon may be the
13 PUC's proposal for actually accounting for
14 greenhouse gas emissions.

15 Our perspective is a broad one, which is
16 that for California to really serve as a leader
17 in demonstrating how an economy can achieve
18 greenhouse gas emissions, it can't rely on paper
19 accounting. It has to demonstrate how it will
20 actually serve load with greenhouse gas-free
21 resources. And so each LSE needs to procure
22 resources that serve its load as closely as
23 possible.

24 Now this may favor larger entities with
25 larger loads because they will better be able to

1 assemble a diverse portfolio. For the same
2 reason, there is danger in allowing multiple,
3 small LSEs to assemble portfolios that are
4 mismatched to their loads because the sum of such
5 portfolios can promote system over-generation and
6 curtailment and/or dumping of exports on
7 neighboring states, while California's loads are
8 actually served with system power with greater
9 greenhouse gas emissions. It could also lead to
10 the need for more storage, making it more
11 expensive to achieve our greenhouse gas goals.

12 We think the power content label should
13 inform consumers about how they are actually
14 being supplied with power on an hourly basis.
15 RPS rules and requirements are a separate matter
16 from product content disclosure.

17 And we would also support the roundtable
18 discussions that have been suggested to iron all
19 these issues out.

20 Thank you.

21 MR. CABALLERO: Hi. I'm Martin Caballero
22 with the Modesto Irrigation District. And I just
23 wanted to provide a few comments. We appreciate
24 your presentation today and the opportunity to
25 comment.

1 My first comment was on RPS adjustment
2 which, I know, you've already heard about, but I
3 wanted to kind of refine the comment a little
4 bit.

5 So in the case of MID, the firmed and
6 shaped renewables that we have in our portfolio
7 were actually resources that were procured before
8 any of these environmental regulations were
9 approved. And so our concern is that, basically,
10 we don't have the ability to claim the benefit
11 for something that was procured well in advance
12 of these rules. And we just want to make sure
13 that our customers see the benefit for the
14 resources that we actually procured in the past.

15 We're also concerned that it creates
16 confusion. So not allowing for benefit of firmed
17 and shaped creates confusion between the energy
18 accounting in the PSD, and also if anybody's
19 comparing to the compliance obligation for an
20 entity.

21 And so for MID a large portion of our
22 renewables are currently firmed and shaped.
23 About 60 percent of our renewable mix is firmed
24 and shaped. And so there would be a clear
25 disconnect between the different information that

1 would be out there for customers to look at and
2 what they would be seeing here.

3 I also wanted to comment on the in-state
4 generation of renewables that's delivered to the
5 state but not directly to the buying entity. I
6 do appreciate that it looks like there's some
7 accounting mechanism that would allow for the
8 buying entity to get some of the benefit, to show
9 the benefit of that procurement, but I'm not
10 totally sure that I understand exactly how it
11 flows through within the spreadsheet. So I would
12 appreciate maybe a more detailed example of how
13 that would work specifically.

14 And also wanted to just mention that
15 these kind of purchases are a necessary mechanism
16 for compliance for smaller utilities, such as
17 ourselves, that can't really feasibly build the
18 kind of renewables that we're asking -- being
19 asked to procure and still reliably meet our
20 load.

21 And the last comment I wanted to provide
22 was on the in-state unspecified accounting. I
23 know in the proposal, you're proposing to apply
24 the same default emission factor that is being
25 applied to imports from out of state. It seems

1 that in state, with the amount of renewables
2 going -- being constructed in state, that there
3 should be some lower emission factor that should
4 flow to that. And I'll point to the data that
5 the ISO recently published where they published
6 an accounting of the ISO's emission factor over
7 the last couple of years, and it appears that
8 their figures are quite a bit lower than the
9 default emission factor, so I would encourage you
10 to look at that.

11 And I would just echo what you've already
12 heard before about kind of a roundtable
13 discussion in the future.

14 Thank you.

15 MS. PARSONS: Hi. Cindy Parson with the
16 Los Angeles Department of Water and Power.

17 I'd also like to talk about the
18 disconnect between programs, and specifically the
19 disconnect between the RPS percentage that we, as
20 a load-serving entity, are expected to meet,
21 versus the information that will be given to our
22 customers which shows the percent renewable of
23 our power mix, which is not going to match the
24 percent RPS that we're expected to meet by law.

25 And part of the problem with that is the

1 exclusion of the unbundled RECs from the power
2 mix. And in the written comments we had
3 submitted back in August, we had suggested a --
4 made a recommendation that the CEC add a sixth
5 category to the renewable section of the power
6 content label in the power mix called unbundled
7 RECs and report the unbundled RECs in that sixth
8 category, but yet that sixth category would be
9 part of the renewable percentage, even though
10 there are no emissions because there's no
11 electricity. But at least that way you try to
12 maintain consistency between the renewable
13 percentage reflected on the power content label
14 and the renewable percentage that we're required
15 to meet for the RPS program.

16 So if you can try to at least maintain
17 consistency between the percentages, that, I
18 think, will avoid a lot of confusion for the
19 customers. Because the customers -- the power
20 content label is our primary means of
21 communicating to our customers. They don't see
22 our RPS compliance report. What they see is the
23 power content label. And when we did a
24 calculation, if the unbundled RECs were excluded
25 from the power mix and the renewable percentage,

1 it would result in a three percent reduction. So
2 it would appear that we, as a utility, are not
3 meeting the RPS mandate. And we certainly don't
4 want to communicate that to our customers.
5 That's sending the wrong message.

6 So if you can add a sixth category for
7 unbundled RECs and include that in the roll-up
8 for the renewable percentage, that, I think, will
9 go a long ways towards avoiding confusion.

10 As far as the wind report, the unbundled
11 RECs, you have a requirement that the unbundled
12 RECs would only be reported on the power content
13 label after they've been retired. And I wanted to
14 point out that that will result in some
15 lumpiness, so lumps in your batter, if you can
16 look at it that way, because the RECs are not
17 necessarily retired every single year. The RPS
18 compliance is a three-year compliance period.
19 And you won't know until your retail sales is
20 final how many RECs you actually need to retire.

21 So there really needs to be some thought
22 put into reporting the unbundled RECs as a
23 percentage of the annual retail sales because if
24 you have three years' worth of RECs that are
25 retired and reported on a single power content

1 label, some of those RECs belong to the previous
2 years, so it just doesn't make sense to do it
3 that way.

4 We also have concerns about the firmed
5 and shaped electricity that we pay a good price
6 for because it is -- we're buying renewable
7 energy in the first place. And really all it is,
8 is an energy exchange for delivery purposes. We
9 are procuring renewable energy at the source.
10 But because delivery is a challenge and costly,
11 we choose to deliver it via a firming and shaping
12 or an energy exchange manner.

13 So if the power content label is supposed
14 to be focused on what you're procuring to serve
15 your load, it seems like assigning emissions to
16 firmed and shaped electricity is focusing on the
17 delivery mechanism, rather than the procurement,
18 and you've got a conflict there. So to me,
19 procurement takes precedence over delivery, so
20 firmed and shaped energy really should reflect
21 the zero-emission attribute of the original
22 energy that was procured to serve the customers.

23 Let's see, what else? And then I did
24 have a couple of questions.

25 Oh, on the timeline, Jordan mentioned

1 that you're updating the timeline for reporting.

2 MS. LEE: Um-hmm.

3 MS. PARSONS: Can you please elaborate as
4 far as what those updates are?

5 MS. LEE: We don't have those final at
6 this point. We've discussed it briefly in the
7 proposal. We will firm up exactly -- we're going
8 to work with our folks in Energy Assessments to
9 make sure the reporting time frames meet their
10 need for power mix accounting, but also reflect
11 your need for having time and some continuity in
12 your reporting time frames in other programs, to
13 the greatest degree possible.

14 MS. PARSONS: Um-hmm.

15 MS. LEE: So we have a lot of folks that
16 use these sources of information we're trying to
17 reconcile, but you will have an opportunity to
18 see that, you know, well in advance during the
19 public process here.

20 MS. PARSONS: Okay.

21 MS. LEE: Yeah.

22 MS. PARSONS: And the last question has
23 to do with the self-consumption and the grid
24 losses. So is that simply the difference between
25 your net generation and your retail sales that

1 will be calculated automatically, or is that a
2 number that we actually need to input into the
3 reporting form?

4 MS. LEE: I'll let Jordan speak to that
5 technically, but it is not a number you have to
6 enter.

7 But, Jordan, would you like to address
8 that really quickly?

9 MR. SCAVO: It's automatic.

10 MS. PARSONS: Automatic?

11 MS. LEE: Well, that wasn't -- thanks.

12 MS. PARSONS: Okay. All right. Thank
13 you.

14 MS. LEE: Okay.

15 MR. TOMASHEFSKY: Good afternoon. Scott
16 Tomashefsky with Northern California Power
17 Agency.

18 We've been using this label for about 20
19 years now and it's gone through a lot of
20 iterations over the time, over the years. One of
21 the challenges we've had with it has been the art
22 of perfection on what that number really
23 represents. And we've been doing that to try and
24 account for how we deal with retail sales. We
25 didn't have a definition of retail sales for a

1 long time. We've dealt with how the -- how the
2 label is normalized to 100 percent. And we've
3 kind of decided that, well, we're not going to
4 touch renewables, we'll just deal with
5 nonrenewables, and that's okay. And you can kind
6 of look at how that's done and sometimes you kind
7 of wonder why that's done.

8 But keeping the integrity of the
9 renewable number so that we can look at it for
10 purposes of how we're doing generally with RPS
11 compliance, now we get into how to deal with
12 greenhouse gas emissions. And when this whole
13 thing started with AB 1110, I mean, part of it is
14 really an exercise of making sure that there's
15 clear expectations from customers in terms of
16 where their utility sits in the California
17 footprint, vis-a-vis the statewide level, and
18 then also to do a comparison with other
19 utilities. And I think that's still something
20 that we largely need to address.

21 But at the same time, we start to, as we
22 look at that, we start to try to tinker with
23 making that number perfect, and so what you end
24 up with is a null set, not null power but a null
25 set in terms of how you try to come up with a

1 solution that will work for everyone. So that
2 kind of puts you into a situation where, again,
3 the roundtable comment, extremely important,
4 because you could sit here and have weekly,
5 biweekly, monthly meetings. You could do this
6 over the course of a year and kind of come to a
7 real understanding about what you're trying to do
8 and then what your expectations are, and we all
9 have our opinions on that.

10 From the standpoint of what we're looking
11 at, as a good example, the unbundled REC
12 construct of not including that, well, if you
13 look at it from the RPS program, you'll think on
14 its face, well, it's just ten percent, not a big
15 deal. But I think Cindy had mentioned, in any
16 given year, you might decide to catch all your
17 RECs, your unbundled RECs in one year. And if
18 that's, you know, roughly one-third of your load,
19 now you're not including that, you're misleading,
20 at least in terms of what your footprint might be
21 in any given year, so you have to sort of account
22 for those things. And if you account for those
23 things with some sort of default factor, whether
24 the factor gets revisited or not, at least it's a
25 proxy that gives you the ability to make some

1 comparisons.

2 From a customer perspective, I can tell
3 you that there's probably not many people outside
4 of this room or within this building or within
5 our respective utilities that really understand
6 what pounds of CO2 per megawatt hour of CO2
7 equivalent is. And if you look at that on a
8 label, I don't think you're really going to
9 understand that, necessarily. The average
10 consumer is not going to know that.

11 So it becomes almost more important to
12 make sure you understand a comparative, no
13 different than an index. You can try and
14 calculate what that number is, but ultimately if
15 you're off by five percent or so it really
16 doesn't matter. What's more important is that
17 you're able to make those comparisons, so I can
18 say, well, my utility is better or worse than the
19 statewide average and other utilities. That
20 becomes the most important proxy for what we're
21 trying to accomplish here.

22 So as we start to go down this path, you
23 don't want to -- you don't want to go down the
24 rabbit hole of trying to get to that last piece
25 of emissions. It just becomes impossible to get

1 to and we spend an exorbitant amount of time
2 trying to figure that out. So not to say that we
3 shouldn't start to see how far you go, but to try
4 and figure out that last molecule, it just
5 becomes impossible. And it will drive everyone
6 one of us crazy. So comparative numbers is
7 important.

8 The other thing that's kind of important
9 is that the state actually created a financial
10 trading program to do the things that they want
11 utilities and communities to do, which is
12 basically invest in clean energy. And so when
13 you ignore that and then you don't explain that
14 to your customers, or at least have that included
15 in the calculation, you're actually doing a
16 disservice.

17 I think it's reasonable to have a utility
18 have the ability to make a financial contribution
19 to perhaps some sort of clean energy investment
20 they can't make at home, so they can't make a
21 physical contribution so they go ahead and make
22 that procurement somewhere else where the person
23 that's selling that REC then makes an additional
24 clean energy investment. And you can see what is
25 submitted to the Air Resources Board when we talk

1 about allowance proceeds. There's a lot of
2 investment that goes on by utilities above and
3 beyond just to make the statutory requirements of
4 a number and those things don't necessarily get
5 reflect, unless you start to consider the
6 financial aspects of this.

7 So again, it doesn't become an exact
8 science, but it allows you to say as a state, I
9 really don't care what that individual number is
10 outside of comparative purposes. I want people
11 contributing. But ultimately, when you start to
12 account for all these things, it all adds up to
13 one at the end. That's the objective. So the
14 statewide number has to be kept pure.

15 But in terms of how those investments are
16 made, it's reasonable to accept that one utility
17 might make an investment, one other utility might
18 make the physical investment. And the two of
19 those add up to a reduction in emissions, and
20 that's really the objective. So to the extent
21 that you can use the label to do that, it adds
22 value. And then the consumer doesn't have to try
23 to figure out all the details of what's going on.
24 They can actually look at the comparatives and
25 generally understand what direction -- where the

1 direction is in terms of greenhouse gas
2 emissions.

3 It's the same thing on the renewables
4 side. They sort of understand what that number
5 is, but they're not going to understand that
6 there's a normalization that goes on if someone's
7 over-procuring or any of those things. It's not
8 exact. And we should never expect the average
9 consumer to understand every facet of that, and
10 therefore we shouldn't have to strive to explain
11 and do all of those things. We should make
12 something that's reflective and representative.

13 Anyway, just a thought. I'll be happy to
14 talk about this at our next roundtable.

15 Thanks.

16 MR. GONCALVES: Good afternoon. My name
17 is Tony Gonzalez with SMUD.

18 And I just -- I did have, I think it was
19 a clarifying question and then maybe a quick
20 comment, since we kind of skipped over the
21 clarifying question. And it goes back to a point
22 here for the renewables that are, for an entity
23 or POU like SMUD that doesn't -- that isn't in
24 the CalISO, for the renewables that are delivered
25 into the CalISO. And looking at the spreadsheet,

1 and I'll admit, I haven't looked very closely at
2 it, but it clearly has locations for you to enter
3 the renewables that you buy in there, but it
4 doesn't really -- I couldn't see a place for you
5 to identify the fact that those renewables are
6 dropped into the CalISO, basically sold as
7 null -- as market power into the CalISO, so that
8 you can back that number out of your total
9 generation.

10 And the significance of that is that if
11 you have a, you know, large amount of renewables
12 in the CalISO in this situation, you end up
13 having a generation number that could be
14 significantly larger than what your retail sales
15 numbers are. And I know there's a mechanism for
16 prorating that number to the nonrenewables, but
17 amongst the nonrenewables is large hydro which is
18 a clean resource. And doing that could
19 significantly change your large hydro number on
20 your label, which is a resource that most
21 utilities aren't selling. So in SMUD's case, we
22 do get a lot of WAPA. And there are limitations
23 on who can get that power and how you can resell
24 it, so we wouldn't resell that for our own
25 reasons. And we have our own hydro that we use

1 internally. It's inexpensive and it's clean, so
2 we're not going to sell that.

3 And so I do have a concern with either
4 not having a mechanism there to show the sale and
5 to back those numbers out of your generation, so
6 you don't end up with this huge over-generation
7 relative to your retail sales, or at least -- or
8 finding a mechanism to not back out and prorate
9 your large hydro. I looked at it this past year
10 when we did our power content label and it, in a
11 good hydro year, can be five to seven percentage
12 points difference in the large hydro. So it's
13 not an insignificant amount in our labels.

14 Then I had another comment, just back to
15 firmed and shaped. And I appreciate the
16 clarification Brieanne made, that this is -- that
17 the RPS adjustment is a cap-and-trade, not an MRR
18 mechanism, but just kind of going back to one of
19 the early slides which identified that trying to
20 be consistent with MRR and cap-and-trade. So
21 allowing the RPS adjustment, allowing that
22 mechanism, and allowing us to not -- to basically
23 count those benefits is not inconsistent with
24 cap-and-trade, which is one of the items that the
25 statute says to be consistent with. Plus, it is

1 much more consistent with the RPS to do that.

2 And then the only last comment I had was
3 a little bit on the unbundled RECs and just a
4 little bit on the timing. I know we had some
5 comments on that. But the reporting as of now,
6 unless you change it, is June 1st for the Power
7 Source Disclosure. The RPS requirement isn't
8 until July 1st. So there may be cases where
9 you're asking us to identify how much we're
10 retiring, but you haven't made that final
11 decision, and so that does become problematic.

12 All right. Thank you.

13 MS. LEE: Thank you. And thank you for
14 the specific reference. We do recognize the
15 challenge in some of those dates, but also
16 wanting to receive data in a timely manner to
17 support other programs, so we're wrestling with
18 that. And I think it is a topic for continued
19 discussion of a timeline that's practical.

20 MS. KELTY: Hi. My name is Maya Kelty.
21 I work with 3Degrees. I'm the Regulatory Affairs
22 Manager. At 3Degrees, we work with a handful of
23 California utilities on their Green Power
24 programs, so that also gives us the opportunity
25 to work with their customers, who are buying

1 green programs. And we work with a number of
2 corporate and institutional customers, including
3 some in California, to help them meet their clean
4 energy and carbon reduction goals.

5 We plan on submitting comments on the
6 February 23rd deadline, but we appreciate this
7 opportunity to provide comments in this context,
8 as well.

9 We are supportive of many elements of the
10 proposal, including providing specific Power
11 Source Disclosure for different retail offerings,
12 but we do have a couple items that we find
13 troubling with the current proposal, particularly
14 related to how we feel they might be confusing to
15 the customers who are receiving them. So some of
16 that has to do with some of the comments that
17 have already been made related to the sort of
18 different treatment of different types of RPS
19 renewables in the product -- in the Power Source
20 Disclosure that customers will be receiving. And
21 we also find that this will be confusing for the
22 LSEs, as well, who will have to treat RPS-
23 eligible renewables differently in their Power
24 Source Disclosure compared to their RPS
25 reporting.

1 And so as was mentioned, it is confusing
2 for customers who understand that there are
3 mandates on their LSEs to provide them with
4 renewable energy, to then receive a power content
5 label that doesn't reflect the amount of
6 renewable energy that's being provided to those
7 customers, particularly because we aren't
8 thinking of the full, you know, unbundled RECs
9 anywhere in the country, we're thinking of
10 unbundled RECs that are RPS eligible, meaning
11 they are located in the WECC.

12 So additionally, we also find it will be
13 confusing to customers that, under the proposed
14 proposal, the RECs will not be able to deliver
15 that greenhouse gas benefit to customers. So
16 this goes against the definition of a REC in
17 California, which is that it contains all of the
18 environmental and generation attributes. And it
19 also goes against these sort of internationally
20 recognized protocols that are in place around
21 greenhouse gas reporting. So customers who
22 receive these disclosures, particularly larger
23 customers who do engage in greenhouse gas
24 reporting, are going to be viewing this as
25 representative of the energy that's being

1 delivered to them, the energy that they are
2 consuming. And in that context, RECs do deliver
3 the greenhouse gas emissions benefit in terms of
4 being able to claim usage of renewable energy and
5 of a zero-emissions resource.

6 So this would not have any bearing on
7 RECs as they relate to the mandatory reporting
8 requirement that CARB has in place. This is not
9 to suggest that this would somehow allow
10 reporting entities to count RECs to reduce their
11 emissions in that sense, but it's just a claim
12 for the customer to be using renewable energy.
13 And so we feel this would lead to situations
14 where customers are purchasing renewable energy
15 that is RPS eligible, a 100-percent product, and
16 then receiving a disclosure that doesn't align
17 with that purchase they're making at all and
18 would say that there are emissions associated
19 with their renewable energy purchase. So we fear
20 this would, rather than creating informed and
21 engaged customers, which we think is part of the
22 goal of Power Source Disclosure, it would likely
23 create confused and frustrated customers.

24 So we are sensitive to all of the
25 different things that are sort of reporting

1 requirements that are on LSEs and that are being
2 delivered to customers. And our main concern is
3 just making sure that it's not confusing to
4 customers and they're able to understand, you
5 know, when they're buying renewable energy that
6 they're getting renewable energy.

7 And, yeah, that's it.

8 Thank you.

9 MS. LEE: Thank you.

10 Do we have any other comments in the
11 room? We may have some on WebEx. A couple more
12 here in the room.

13 MR. JONES: Thank you. My name is Todd
14 Jones. I'm the Director of Policy at the Center
15 for Resource Solutions. And thank you for the
16 opportunity to speak today.

17 We support power source and admissions
18 disclosure to electricity customers. And we have
19 deep expertise in fuel source and emissions
20 accounting for retail customer claims. In fact,
21 through Green e-Certification, we enforce Power
22 Source Disclosure requirements on over 300
23 suppliers of certified voluntary renewable energy
24 products across the country, including 11 retail
25 electricity suppliers in California, including

1 IOUs, municipal utilities and CCAs.

2 Power Source Disclosure is important, not
3 just for customers. You know, this will be how
4 the state allocates power and GHG emissions to
5 customers. It will determine who can claim what
6 about their electricity usage, so it directly
7 affects the RPS, which is the only other state
8 program that tracks and allocates specified power
9 generation attributes to retail customers. It
10 also directly affects corporate and other
11 voluntary purchasers who are claiming use of
12 specified renewable energy and its emissions. So
13 where Power Source Disclosure does not align with
14 the accounting used in RPS and voluntary markets
15 for renewable energy, it can cause huge problems
16 for those markets, which is what we believe this
17 proposal would do.

18 This proposal is bad for both compliance
19 and voluntary renewable energy markets, which is
20 bad for renewable energy and emissions reductions
21 overall. It would reduce -- it would remove
22 voluntary and corporate purchasing options. It
23 would shrink demand, make renewable energy more
24 expensive, and push private investment out of the
25 state. It would diminish the RPS as a tool to

1 achieve emissions reductions in the state. It
2 adopts an overall approach to emissions
3 accounting for retail claims that may hamper
4 growth of regional renewable power markets, which
5 limits the development of end use of renewable
6 energy in California and across the region. It
7 conflicts with federal guidance and international
8 best practice on RECs and GHG accounting for
9 consumer claims. It infringes on the property
10 rights of REC owners and undermines REC
11 integrity. And in the end it produces less
12 accurate, inconsistent and confusing disclosure
13 to customers.

14 So here's what we think you should do to
15 avoid these problems.

16 First, require REC retirement for
17 reporting renewable energy and the emissions
18 associated with renewable energy that are
19 delivered to retail customers. RECs convey the
20 fuel type and GHG emissions profile of renewable
21 generation for consumer claims.

22 Second, assign a residual mix emissions
23 factor to null power and unspecified power.

24 And third, require that all purchases of
25 RECs, bundled or unbundled, by suppliers for

1 retail sales be reported in Power Source
2 Disclosure. Unbundled REC purchases should be
3 included in reported renewable energy deliveries
4 and disclosure about unbundled RECs purchases by
5 suppliers should be provided in a footnote.

6 So that is all you have to do. That's
7 been done by other states, including Washington
8 and all of the states in the North East and Mid-
9 Atlantic that have all generation certificate
10 tracking systems. It's what's done in the
11 climate registry which was created by the State
12 of California to track emissions. It is
13 consistent with all other corporate GHG emissions
14 inventories and international standards for GHG
15 accounting for delivered electricity. This is
16 the most accurate, verifiable and intellectually
17 credible method for allocating attributes,
18 including emissions, which is why it's used in
19 every RPS across the country.

20 And finally, I want to be clear that this
21 would not cause problems for the MRR or
22 California's Cap-and-Trade Program. There's no
23 conflict with the MRR. So earlier I said that
24 Power Source Disclosure directly affects RPS and
25 voluntary renewable energy markets and should

1 align with those programs because it determines
2 who can claim what about electricity usage.
3 Well, it does not necessarily affect or need to
4 align with the MRR which is a source-based
5 emissions reporting methodology that is not
6 intended to be used for retail consumer GHG
7 claims, which is the purpose of AB 1110. The MRR
8 does not address retail delivery of emissions or
9 power. It does not provide a method for
10 allocating generation emissions or attributes to
11 suppliers or customers. And the MRR does not
12 prohibit the use of RECs for tracking and
13 allocating the emissions attributes of renewable
14 generation to suppliers and customers.

15 I also want to be clear that this does
16 not use RECs to reduce emissions based on avoided
17 emissions or use RECs as offsets, or have
18 anything to do with avoided emissions. We agree
19 that RECs and renewable energy have no avoided
20 emissions value under cap-and-trade, and we are
21 not proposing that RECs be used as emission
22 reductions credits. But this has no bearing on
23 AB 1110 which has to do with who claims the
24 emissions profile of renewable energy or, in
25 Staff's words, the GHG emissions characteristics

1 of the electricity portfolio sold to retail
2 customers. Direct emissions, the emissions
3 factor of generation, and avoided emissions are
4 two different attributes. Direct emissions of
5 renewable energy are not affected by cap-and-
6 trade.

7 So here's the most important thing: RECs
8 should be required to demonstrate delivery and
9 consumption of electricity with the emissions
10 profile, direct emissions, emissions factor, of
11 renewable energy. This would be consistent with
12 the existing state policy under the RPS and
13 voluntary markets, and it would produce the most
14 accurate accounting for customers. And it would
15 not affect the MRR or cap-and-trade.

16 So the proposal includes a number of
17 inaccuracies and inconsistencies. And I don't
18 have time in the five minutes to go through all
19 of them. We've provided the CEC and ARB staff
20 with multiple sets of written comments over the
21 past two years that directly affect many of them
22 which have nevertheless made their way into this
23 proposal. And we will submit written comments
24 that go through the detailed elements of this
25 proposal, as well.

1 For the sake of these markets, the
2 existing policies, renewable energy development
3 and accurate customer disclosure, we strongly
4 urge CEC and ARB staff to please reconsider this
5 proposal. California has always been a leader.
6 Please don't let us fall behind.

7 Thank you.

8 MR. HENDRY: Good afternoon. I'm James
9 Hendry with the San Francisco Public Utilities
10 Commission. Admittedly, that's a tough act to
11 follow. But I think I want to just echo that
12 general comment in just there seems to be a
13 fundamental mismatch at the moment between the
14 Power Source Disclosure reporting and the
15 Renewable Energy Credit, the RPS program as set
16 by the state. And I think a number of parties
17 has raised this numerous times in comments and it
18 still has not been reflected in changes to the
19 Power Source Disclosure form. And I think this
20 does reflect the changing paradigm and kind of
21 undermines the paradigm that was set by the
22 legislature in SBX1 2 and SB 350 which defined,
23 you know, the Renewable Energy Credit RPS Program
24 as a measure of measuring California's
25 achievement of moving towards its greenhouse gas

1 goals in the energy sector.

2 RECs, you know, under the state
3 legislation, do include all the environmental
4 attributes, which they include all the GHG
5 emission attributes, as well. There are
6 compliance measures for the RPS program. And
7 they help California achieve its RPS goals.

8 This seems to be a kind of a mismatch
9 between reporting and compliance as you go
10 through the regulations. For purposes of the
11 RECs, the proposal said they shouldn't count
12 because they cite to a PUC decision saying, well,
13 they may not be eligible as a compliance
14 mechanism for GHG reductions, but they're
15 eligible as a reporting mechanism. And when you
16 come to Bucket 2 issues, though, then it becomes
17 they don't count because they're reported but
18 it's not a compliance, but it's a compliance
19 measure if it's not a reporting measure, so it's
20 kind of an inconsistent treatment between the two
21 programs as to whether you're looking at
22 compliance or reporting, which need to be looked
23 at.

24 And the one area I think I disagree with
25 Todd's expertise on is that RECs can be used for

1 compliance purposes under the Cap-and-Trade
2 Program for the Voluntary Renewable Energy
3 Program. So the Air Resources Board has
4 recognized there that the Renewable Energy Credit
5 does carry over one-to-one to reduction in
6 greenhouse gas emission reductions and retires
7 the corresponding measurement, as well. So there
8 is a measure there for that.

9 Finally, I wanted to briefly talk about
10 the -- PG&E's clean net short proposal and kind
11 of related issue of matching load to resources.
12 And the PG&E proposal basically says that in
13 order to get credit, your greenhouse gas
14 generation has to match when the load is actually
15 occurring. And so this is inconsistent. PG&E
16 mentions this in their comments that, well, the
17 power content label requires that reporting be
18 done on an annual basis and that load does not
19 have to match up to generation in real time. So
20 it's kind of inconsistent how statutorily you
21 could adopt such a proposal.

22 It also is fundamentally inconsistent
23 with the renewable portfolio standard which says
24 that, you know, the goal of the RPS program is to
25 increase the amount of greenhouse gas generation

1 or RPS-eligible generation that is provided to
2 the California grid. There's no requirement that
3 it matches up in real time. There's no
4 requirement that it even shows up in the same NP-
5 15 (phonetic), NESP-15 (phonetic) delivery area.
6 So again, there's a fundamental mismatch between
7 that.

8 Both PG&E and, I think, the Edison --
9 Adam Smith described -- said, no, we have a lot
10 of support for the clean net short proposal and
11 it's just the complexity issues that need to be
12 worked out, and I think that's a fundamental
13 disagreement. In the CPUC's IRP proceeding, a
14 number of parties strongly opposed that concept,
15 including the California Municipal Utilities
16 Association, the Bay Area Municipal Utilities,
17 the -- San Francisco, the California Community
18 Choice Association representing all the
19 California CCAs, and the Alliance of Retail
20 Energy Markets which represents a lot of the
21 direct access customers and somewhat related with
22 the energy service providers, all of whom
23 basically oppose this proposal. And it's not
24 just the complexity of trying to do an 8,760-hour
25 process to it, but it's the fundamental issue of

1 who should get credit for excess generation.

2 Under their proposal, if you provide
3 greenhouse gas-free generation to the grid than
4 you consume at the time, you don't get credit for
5 it. And who does get credit for it? It carries
6 over and would reduce the overall system average
7 profile for everybody else. So basically those
8 who pay for the generation and provide it to the
9 grid end up subsidizing by reducing the
10 greenhouse gas emission profile of those who
11 don't use that energy and could be out buying
12 unspecified power or coal power or anything else,
13 but those then get reflected in a lower
14 greenhouse gas emission credit for them.

15 To carry it to its logical conclusion, I
16 guess nobody could claim to be 100 percent
17 greenhouse gas-free. I have rooftop solar and I
18 like to claim I'm greenhouse gas-free.
19 Understand PG&E's proposal, I could probably
20 claim I'm 50 percent greenhouse gas-free because
21 I wouldn't get credit for the excess energy I
22 sell to the grid during the day, and I'd be
23 penalized for the greenhouse gas energy I buy at
24 night. And so I would not credit for it, and I
25 think that's a fundamental unfairness of what we

1 want to do, which is encourage to reward those
2 who make the investments consistent with Air
3 Resources Board's early action proposals to get
4 the credit for what they're doing.

5 Finally, on the clean net short proposal,
6 as the Energy Commission and the California
7 Public Utilities Commission is aware, the --
8 Governor Brown vetoed AB 79 which would have
9 directed looking at hourly emission profiles and
10 said that this should be looked at by the Energy
11 Commission, and I am kind of concerned. And we
12 raised this issue in our comments to the
13 California Public Utilities Commission that the
14 CPUC should not be getting out in front of the
15 Energy Commission, which is the one that's tasked
16 to doing this. And so I think jurisdictionally,
17 that issue, I think, should play out through the
18 appropriate forums of the AB 1110 process.

19 Finally, I do have a couple consistency
20 questions I think I'd like for you to consider.
21 The first is on the issue of adjusted sales which
22 seems to mix and match wholesale sales and retail
23 sales, power content labels to account for retail
24 sales. So if you own generation and you have
25 wholesale energy contracts for a facility, you

1 potentially could end up having those assigned
2 and being carried forward into the adjustment
3 mechanism of your power content label. So I
4 think that kind of potentially exceeds the
5 authority and purpose of what the power content
6 label is supposed to do.

7 Second, on self-consumption there seems
8 to be mismatch between the RPS definition and the
9 definition contained in the cap-and-trade
10 proposal -- or, excuse me, the -- I'm getting
11 ahead of myself -- the AB 1110 proposal. And I
12 think the adjusted sales issue also then carries
13 over to the issue of when you address renewables
14 versus nonrenewables, and you have to look at
15 that issue further. But at least my
16 understanding is renewables kind of get carried
17 forward, nonrenewables potentially get adjusted.
18 But again, that could penalize you if you invest
19 in greenhouse gas resources -- or, excuse me,
20 lower-emitting greenhouse gas resources such as,
21 you know, cleaner fossil fuel plants, you
22 potentially could be penalized for that through
23 this adjustment mechanism, even though you're not
24 taking, again, positive efforts to reduce your
25 greenhouse gas emissions.

1 So I'd just like to finally echo, I
2 think, the concept of having workshops as a very
3 good proposal. I wish we had, you know, a
4 slightly bigger screen so we could kind of go
5 through the work -- the tabulation of how the
6 power content label works because I think that
7 was a lot of -- there's a lot of policy issues
8 embedded in that which are very difficult to
9 catch on a very small screen, but thank you for
10 your comments.

11 MS. LEE: Okay, I think we're going to
12 check in on WebEx and see if anyone would like to
13 speak.

14 Ryan, can you open the line?

15 MR. TUTT: Yeah, see, if this was a
16 roundtable, I think I would get to speak more
17 than once. So --

18 MS. LEE: That's fair enough.

19 MR. TUTT: -- if you don't want me to,
20 I'd be happy to just sit down. But that was the
21 vision in being able to respond to other people's
22 comments, being able to talk about issues that
23 you haven't brought up yet, that kind of thing.

24 MS. LEE: No.

25 MR. TUTT: So --

1 MS. LEE: I think so. I think if you'd
2 like to respond to other comments, would it be
3 all right if we see if we have anyone waiting on
4 WebEx for --

5 MR. TUTT: Sure.

6 MS. LEE: -- a first opportunity? And
7 then we'll move back.

8 Kyan, is anyone indicating, or Elisabeth?

9 MS. DE JONG: So I'm going to go ahead
10 and jump in. We did get one written question on
11 WebEx.

12 The question was,
13 "Could you please explain how these changes
14 will impact non-utility virtual power
15 purchase agreements, specifically if it is a
16 VPPA in which the non-utility retains and
17 retires the RECs and sells the power on the
18 spot market without the RECs and at the
19 default grid emissions factor?"

20 That question is from Alex Klonick.

21 And we're going to go ahead and un-mute
22 his microphone in case he wants to go ahead and
23 add anything to that.

24 MS. LEE: Alex, please go ahead.

25 MR. KLONICK: I don't know if you can

1 hear me, but I have nothing to add. I just would
2 like to hear a little bit more related to Todd's
3 comment earlier regarding how this would deter
4 private investment and what the reasoning behind
5 it is.

6 Thank you.

7 MS. LEE: So, again, it's difficult for
8 us to respond to any specific question of this
9 nature in this forum. I'm happy to reach -- to
10 have our team reach out to you individually, but
11 also if you would docket your question and
12 comment, it would give us an opportunity to share
13 the response with the entire -- with all people
14 following the proceeding.

15 So please feel free. You can send that
16 directly. We'll share contact information at the
17 end of the day. Send the question and comment
18 directly to us, but we will make sure the
19 response is widely viewed.

20 MS. DE JONG: We also saw on WebEx, one
21 person, Marcie Milner specifically had raised her
22 hand at one point during the presentation, so
23 we're going to go ahead and un-mute her line
24 first to see if she had any other comments that
25 she would like to speak in the room now.

1 MS. MILNER: Thanks. Honestly, I just
2 raised my hand because we were having trouble
3 with the audio, but I don't have a specific
4 question at this time.

5 Thanks.

6 MS. DE JONG: Okay. Glad we got you
7 back.

8 MS. LEE: And, Marcie, I will say the
9 transcription from the entire day will be made
10 available. So if you're concerned about anything
11 that was missed, that will be posted to the
12 docket when it's available.

13 MS. MILNER: Thank you.

14 MS. DE JONG: So we're going to go ahead
15 and turn to the rest of the folks on WebEx.
16 We're going to un-mute everyone who is attending
17 on WebEx. If you do not wish to speak at this
18 time, please -- oh, okay, sorry. We do have one
19 more specific question on WebEx.

20 Cynthia Clark, we're going ahead and un-
21 muting you right now, if you want to go ahead and
22 speak.

23 MR. KASTIGAR: (Off mike.) She's not
24 hooked up to the audio at this time, so --

25 MS. DE JONG: Oh, okay. We'll go ahead

1 and read your question out loud.

2 MR. KASTIGAR: Should I come up to the
3 mike?

4 MS. LEE: Yeah. Uh-huh.

5 MR. KASTIGAR: This question is from
6 Cynthia Clark. And she says,

7 "Please speak to the timing of the
8 proceeding, versus 2019 procurement
9 decisions. It appears that the rules will
10 not have been finalized prior to the time
11 when they are applicable."

12 MS. LEE: So the timing, the rules will
13 be put in place in 2019 for 2020 reporting of
14 2019 procurement. That is accurate. The
15 regulatory process will -- you'll have a strong
16 indication earlier in the process of the
17 regulatory language, the proposed regulatory
18 language. If you have a specific concern around
19 the impact of that timing, if you could provide
20 that to the docket, it would be helpful for us to
21 be able to address.

22 MS. DE JONG: Okay, so back to the rest
23 of the folks on WebEx. We'll go ahead and un-
24 mute everyone. If you do not wish to speak right
25 now, go ahead and mute your line specifically,

1 and we'll open up those lines.

2 MS. LEE: Do we have anyone who would
3 like to ask a question? Okay. We're not hearing
4 anyone indicate that they'd like to ask --
5 answer -- excuse me, ask a question. You're
6 welcome to answer as many as you -- but -- so we
7 are going to re-mute the lines. If we've missed
8 an opportunity, something you do want to provide,
9 please use the raise-your-hand feature or send a
10 comment and we'll come back to the WebEx
11 participants.

12 Tim, thank you very much for waiting.

13 MR. TUTT: No problem. There were a
14 couple of things that I wanted to say, actually.

15 First, in response to Jim Hendry about
16 the VRE program, I don't know that I would
17 consider that a directly RECs being, you know,
18 viable or fungible with allowances. Basically
19 what that is, is it allows someone who's
20 participating on a voluntary renewable program to
21 be assured that they get emission reductions
22 under a cap system because otherwise, you know,
23 if you're -- you procure that renewable
24 electricity, emissions go down, somewhere else
25 under the cap, emissions can go up. So it's more

1 a mechanism to provide that that any other
2 fungible allowance versus REC structure.

3 But I had another question. In AB 1110,
4 it talks about the Energy Commission developing a
5 methodology for dealing with unbundled RECs in
6 the label. It also says,

7 "A retail supplier may include additional
8 information related to the sources of the
9 unbundled RECs."

10 I didn't see anything in the proposal
11 related to that provision of AB 1110.

12 MS. LEE: We did not address that in the
13 proposal. At this point the provision allows
14 outside of the label.

15 MR. TUTT: This seems like it would apply
16 to the label since that's what this whole section
17 was describing.

18 MS. LEE: So I think probably best for
19 you to provide us your interpretation --

20 MR. TUTT: Okay.

21 MS. LEE: -- and how you think that might
22 be applied and we can respond to that more
23 directly because I think it could be open for
24 interpretation as to whether it means within the
25 label or any template we would provide --

1 MR. TUTT: Right.

2 MS. LEE: -- or in -- or provided in
3 coordination with a templated label. So we'd be
4 interested in hearing your interpretation.

5 MR. TUTT: Okay. We can provide that in
6 written comments.

7 But just as an aside, I'm not sure
8 there's anything in AB 1110 that would constrain
9 a retail supplier from providing whatever
10 additional information they wanted outside the
11 label.

12 MS. LEE: Agreed.

13 MR. TUTT: Thank you.

14 MS. LEE: Agreed, although there is the
15 reference to the marketing materials using the
16 accounting, but, yeah.

17 MR. UHLER: Steve Uhler here again. A
18 comment related to confusion of the customer on
19 two levels.

20 The concept of WYSIWYG, what you see is
21 what you get, your website says to consider that
22 as a nutrition label. So if somebody needs or
23 wants or in order to retain a customer has to put
24 a REC on there, all of the renewable greenhouse
25 gas and everything that goes into that REC

1 belongs to that retail customer and can no longer
2 be claimed for RPS. Now you may say, well, you
3 have a green pricing program somewhere in the
4 statute. Well, that has to be local.

5 So how are you going to deal with these
6 where people put multiple products on a single
7 label? And some of those folks are being able to
8 claim those for themselves as mine, I own that.
9 I've done this work to get this. If a REC is put
10 on the label, it belongs to the retail customer.
11 You're going to need to demonstrate how that's
12 not going to confuse everybody. It totally
13 confused me. I made a purchase. Again, no
14 posers. This should limit the posers.

15 And then getting to the point of this
16 should encourage far more renewables to be built
17 because, comparison-wise, I'm going to look at it
18 as like, hey, you know, if I buy this from my
19 local utility, they get some claim in that. But
20 if I go out and say I want to buy some wind power
21 to be greener, to cover my car, cover everything
22 else, I should just simply buy from them and not
23 give it to the utility. The utility will then
24 have to go out and still meet the RPS, so my
25 money goes a lot further and the state gets a lot

1 further on that.

2 The second item on this is for a
3 roundtable, for every panelist on the roundtable
4 who said they don't want to reduce -- or they
5 want to reduce customer confusion, there has to
6 be a customer, not of their picking, on that
7 table. And I want to be the one that will allow
8 SMUD to be on that table. And if SMUD has
9 multiple panelists, I have other people who will
10 gladly come buy and voice this concern about this
11 device that's supposed to tell us where we're at.

12 Thank you.

13 MS. LEE: Thank you.

14 MR. UHLER: Sorry if I'm gruff --

15 MR. LIONEL: No, it's okay.

16 MR. UHLER: -- but that's the way it is.

17 MS. LEE: Thank you.

18 Is there anyone else who'd like to
19 revisit a comment or add an additional comment in
20 the room? All right.

21 We'll give one more request out to our
22 WebEx participants. Is there anyone on WebEx
23 that would like to make a final comment? Okay.
24 We're not hearing anything.

25 So again, I want to thank you all for

1 your engagement on the topic, on working with us.
2 We definitely hear your request for continued
3 dialogue. And please watch the docket for any of
4 the subsequent materials from this meeting.

5 Jordan does have a few next steps he'd
6 like to highlight for the group, as well.

7 MR. SCAVO: Well, I'm missing the notes
8 for this slide, but I think it's kind of self-
9 explanatory. You can find rulemaking documents
10 at the link on this slide. We will docket the
11 slides after this workshop.

12 After this workshop and the close of the
13 public comment period, we will begin the next
14 steps. The first of those is to draft proposed
15 regulatory language. We anticipate having that
16 out by 02/03 of 2017.

17 UNIDENTIFIED MALE: 2018.?

18 UNIDENTIFIED FEMALE: (Off mike.) 2018?

19 MR. SCAVO: Yeah, 2018. Okay, this looks
20 wrong. So at some point, maybe around summer of
21 2018, we're shooting for having proposed language
22 out. We hope to initiate formal rulemaking in
23 Q4 of 2018. That will give us through 2019 to
24 complete the rulemaking. We anticipate hopefully
25 having that done by summer of 2019.

1 To reiterate, the greenhouse gas
2 emissions disclosures begin in the summer of
3 2020; that's for 2019 data.

4 And that concludes the workshop. I'll
5 remind everyone once more that the public
6 comments are due by 5:00 p.m. on Friday, February
7 23rd.

8 We appreciate everybody coming out and we
9 appreciate your patience for a number of
10 logistical quirks today. Thank you.

11 (The workshop adjourned at 3:04 p.m.)

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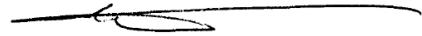
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A handwritten signature in cursive script, appearing to read "Barbara Little", is written over a horizontal line.

Barbara Little
Certified Transcriber
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