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PUBLIC EMPLOYEES' RETIREMENT SYSTEM
BOARD OF ADMINISTRATION
FINANCE & ADMINISTRATION COMMITTEE

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A P P E A R A N C E S

COMMITTEE MEMBERS:

Ms. Theresa Taylor, Chairperson

Mr. David Miller, Vice Chairperson

Ms. Margaret Brown

Mr. Henry Jones

Ms. Fiona Ma, represented by Mr. Matthew Saha

Mr. Jason Perez

Ms. Betty Yee, represented by Ms. Lynn Paquin

BOARD MEMBERS:

Mr. Rob Feckner

Ms. Lisa Middleton

Ms. Stacie Olivares

Ms. Eraina Ortega, represented by Ms. Michelle Mitchell

Ms. Mona Pasquil Rogers

Mr. Ramon Rubalcava

STAFF:

Ms. Marcie Frost, Chief Executive Officer

Mr. Michael Cohen, Chief Financial Officer

Mr. Matthew Jacobs, General Counsel

Mr. Scott Terando, Chief Actuary

Ms. Renee Ostrander, Chief, Employer Account Management
Division

A P P E A R A N C E S C O N T I N U E D

STAFF:

Mr. Julian Robinson, Senior Pension Actuary

Ms. LaRiesha Simmons, Committee Secretary

Mr. Kerry Worgan, Supervising Pension Actuary

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P R O C E E D I N G S

VICE CHAIRPERSON MILLER: Okay. Good morning.

COMMITTEE MEMBER BROWN: Shouldn't we switch your name plate around?

VICE CHAIRPERSON MILLER: Yeah, I guess they will at some point. So good morning. We're going to call the meeting of the Finance and Administration Committee to order. And we'll start with the roll call. And at some point, hopefully, the Chair will arrive. I knows she's stuck in traffic. And we want to honor everybody's time, so we'll get started.

So roll call, please.

COMMITTEE SECRETARY SIMMONS: Theresa Taylor?
David Miller?

VICE CHAIRPERSON MILLER: Here.

COMMITTEE SECRETARY SIMMONS: Margaret Brown?

COMMITTEE MEMBER BROWN: Here.

COMMITTEE SECRETARY SIMMONS: Henry Jones?

COMMITTEE MEMBER JONES: Here.

COMMITTEE SECRETARY SIMMONS: Matthew Saha for
Fiona Ma?

ACTING COMMITTEE MEMBER SAHA: Here.

COMMITTEE SECRETARY SIMMONS: Jason Perez?

COMMITTEE MEMBER PEREZ: Here.

COMMITTEE SECRETARY SIMMONS: Lynn Paquin for

1 Betty Yee?

2 ACTING COMMITTEE MEMBER PAQUIN: Here.

3 VICE CHAIRPERSON MILLER: Okay. The first order
4 of business is the approval of the September 17th, 2019
5 Finance and Administration Committee timed agenda.

6 COMMITTEE MEMBER JONES: Move it.

7 COMMITTEE MEMBER BROWN: Second.

8 VICE CHAIRPERSON MILLER: Moved by Jones,
9 Seconded by brown.

10 I'll call for the question.

11 All in favor?

12 (Ayes.)

13 VICE CHAIRPERSON MILLER: The ayes have it.
14 Well, executive report, Mr. Cohen.

15 CHIEF FINANCIAL OFFICER COHEN: Thank you, Mr.
16 Vice Chair. I'm Michael Cohen with CalPERS. Just a
17 couple things to note this morning. First of all, we did
18 have a revision to Item 5d, which is the annual contract
19 and procurement report. There's copies in your materials,
20 as well as the back of the room, and on the website.

21 And then the second item, some good news. You'll
22 recall on July 1st, we opened up the Pension Prefunding
23 Trust Fund for our member agencies to begin depositing
24 funds. I'm happy to report that we have our first
25 contract and first deposit from the Midway City Sanitation

1 District. So that's very exciting news. We're looking
2 forward to additional local governments joining the trust
3 in the coming months. So with that, I think I can turn it
4 back to you.

5 VICE CHAIRPERSON MILLER: Okay. Thank you.

6 Item number 4, action consent items. Back to
7 you, Mr. Cohen, approval of the May 14th, 2019, Finance
8 and Administration Meeting Minutes.

9 COMMITTEE MEMBER BROWN: Move approval.

10 VICE CHAIRPERSON MILLER: Moved by Brown.

11 ACTING COMMITTEE MEMBER PAQUIN: Second.

12 VICE CHAIRPERSON MILLER: Second by Paquin.

13 I'll call for the question.

14 All in favor?

15 (Ayes.)

16 CHAIRPERSON TAYLOR: Any opposed?

17 No abstentions.

18 Motion carries.

19 So we're on to number 5. This one is to Mr.
20 Cohen, information consent items starting with our annual
21 calendar review.

22 CHIEF FINANCIAL OFFICER COHEN: So unless one of
23 the members has a question about the consent items --

24 VICE CHAIRPERSON MILLER: Any consent items to
25 pull?

1 Okay. We'll move along to the action agenda
2 items. Okay. Proposed regulations for Social Security
3 Administration fees. And it looks like Renee Ostrander.
4 Welcome, Ms. Ostrander.

5 EMPLOYER ACCOUNT MANAGEMENT DIVISION CHIEF

6 OSTRANDER: Good morning. Renee Ostrander, CalPERS team
7 member.

8 So I'm here today to present to you Agenda Item
9 6a. It's the proposed regulations for the administration
10 of Social Security. The State is required by the federal
11 government to have a designated State Social Security
12 administrator to act as a liaison to the Federal
13 government on behalf of public entities. However, no
14 funding is provided for that purpose.

15 In 1955, the Governor's office designated CalPERS
16 to serve in this capacity. The cost of administering the
17 program was previously covered from the interest earned by
18 the Social Security and Medicare tax holding account. The
19 fund is nearly depleted and can no longer pay the
20 program's administrative costs.

21 CalPERS cannot use retirement funds to cover the
22 cost of administering the program. CalPERS is authorized
23 in the Public Employees' Retirement Law to collect fees to
24 cover the cost of administering the program.

25 Within these draft regulations, there are two

1 types of fees that are now being charged, an annual
2 administrative fee, and a one-time fee for any new
3 agreements or modifications.

4 The annual fee will be charged to all agencies
5 that have voluntary coverage, which is a section 218
6 agreement in place with the Social Security
7 Administration. The annual fee is based on a total number
8 of persons employed at the agency. The range is from \$200
9 a year to \$2,500 a year. The fees began with the 19-20
10 fiscal year.

11 The purpose of these regulations is to document
12 the administration of these Social Security fees including
13 the fee structure, data hierarchy, calculation of fees, et
14 cetera.

15 With the approval of this agenda item, we will
16 move the regulation -- the draft regulation text forward
17 to the Office of Administrative Law. They'll release it
18 for a 45-day comment period. At the end of that 45-day
19 comment period, we'll bring back any comments that we
20 receive, any other changes that are required, and bring it
21 forward for your approval.

22 That completes my presentation. I'm happy to
23 answer any questions you may have.

24 VICE CHAIRPERSON MILLER: Okay. Thank you.

25 We have a question from Ms. Brown.

1 COMMITTEE MEMBER BROWN: Thank you, Ms.
2 Ostrander.

3 VICE CHAIRPERSON MILLER: Did that work?
4 No. Hang on. Oh, there we go.
5 Okay.

6 COMMITTEE MEMBER BROWN: Great. Thank you, Mr.
7 Vice Chair.

8 Anyways I had a question about the establishment
9 of the fee. Typically, as a governmental agency, you must
10 have a nexus in order to collect a fee. And I see that
11 you've -- it says in here that you ran this through the
12 California Department of Finance --

13 EMPLOYER ACCOUNT MANAGEMENT DIVISION CHIEF
14 OSTRANDER: That's correct.

15 COMMITTEE MEMBER BROWN: -- for the fee structure
16 methodology?

17 EMPLOYER ACCOUNT MANAGEMENT DIVISION CHIEF
18 OSTRANDER: That's correct.

19 COMMITTEE MEMBER BROWN: It would be lovely for
20 those of us who like to look at that analysis to make that
21 as an attachment, because we're essentially going to be
22 approving a fee. And I really don't want to be doing
23 that. So I would like to just see the report that shows
24 the nexus between the cost that we're going to be charging
25 these agencies and the amount we're charging.

1 So maybe you can either send that to me out by
2 separate cover or if everybody wants to take a look at
3 that. I assume it's some port of report that shows the
4 analysis?

5 EMPLOYER ACCOUNT MANAGEMENT DIVISION CHIEF

6 OSTRANDER: Yes, we do have some information based on --
7 it's actually a 9 tiered fee structure. So we -- we
8 aligned with the Department -- the U.S. Department of
9 Labor Statistics. And they use that same 9 tier fee
10 structure, and we set it up for that. So we can provide
11 additional information.

12 COMMITTEE MEMBER BROWN: I would just like to see
13 that fee structure methodology before we -- at least
14 before we make a final. Right now, this is just a
15 proposed regulation, correct?

16 EMPLOYER ACCOUNT MANAGEMENT DIVISION CHIEF

17 OSTRANDER: Correct. This is just proposed and going out
18 for public comment for the 45-day period. So it will come
19 back after the 45-day comment period has ended.

20 COMMITTEE MEMBER BROWN: So, Mr. Chair, I'm happy
21 if it's just me or if anybody else on the Board can't
22 sleep and wants to read that, anybody else can have it as
23 well.

24 VICE CHAIRPERSON MILLER: Fine.

25 CHIEF EXECUTIVE OFFICER FROST: Ms. Brown, we

1 will provide it to the full Board.

2 COMMITTEE MEMBER BROWN: Great. Thanks.

3 VICE CHAIRPERSON MILLER: Okay. Nothing else on
4 this item, so...

5 COMMITTEE MEMBER BROWN: Move approval.

6 VICE CHAIRPERSON MILLER: So we have got a motion
7 here.

8 COMMITTEE MEMBER PEREZ: Second.

9 VICE CHAIRPERSON MILLER: Second by Mr. Perez.
10 So I'll call for the question.

11 All in favor?

12 (Ayes.)

13 VICE CHAIRPERSON MILLER: Any opposed?

14 No abstentions.

15 The ayes have it.

16 So moving on, Item 7, Information agenda items.

17 7a, annual actuarial valuation Terminated Agency Pool.

18 Mr. Terando and Ms. Robinson -- oh, Mr. Robinson. Sorry.

19 (Thereupon an overhead presentation was
20 presented as follows.)

21 CHIEF ACTUARY TERANDO: Good morning, Mr. Chair,
22 members of the Committee. Scott Terando from the
23 Actuarial Office. Item 7a is an information item and
24 presents the annual actuarial valuation report for the
25 6/30/2018 Terminated Agency Pool.

1 The Terminated Agency Pool, or TAP as we like to
2 call it, exists to provide those benefit payments for
3 those members who were credited with service and later on
4 the agencies terminated from CalPERS. The agencies in the
5 TAP program don't pay regular contributions into the fund.
6 Instead, when each plan terminates, the plan is required
7 to have a fully funded status before we move it into the
8 TAP pool.

9 In those cases where a plan may be overfunded,
10 there will be a refund issued to the employer. And in
11 cases where a plan is underfunded, we collect the
12 difference between what's owed at the time of termination.
13 At this point, I'm going to pass it along to Julian who
14 will provide more details about the -- this year's
15 valuation.

16 SENIOR PENSION ACTUARY ROBINSON: Thank you,
17 Scott. I'm Julian Robinson, CalPERS staff. I'm happy to
18 present the results of the Terminated Agency Risk Pool.
19 We do this valuation on an annual basis and present the
20 results to the Board to update them on the financial
21 status of the pool.

22 --o0o--

23 SENIOR PENSION ACTUARY ROBINSON: As of
24 January -- July -- June 30, 2018 there 109 aged plans in
25 the Terminated Agency Pool. The funded ratio of the TAP

1 is 197.4 percent, close to 200 percent.

2 There have been a number of small changes since
3 the last valuation. There was the addition of one agency,
4 the Glen Ellen Fire Protection District, which added
5 approximately half a million dollars of assets and
6 liabilities to the pool.

7 We changed the valuation assumptions on a yearly
8 basis. The methodology is described in our actuarial
9 report. We use the 30-year STRIPS rate to determine the
10 discount rate to value the liabilities. And the inflation
11 rate also changes from year to year, also based on this
12 year.

13 As with all the other plans that CalPERS handles,
14 we did apply the new methodology and valuation system to
15 the plans in the TAP, and that has had an effect on the
16 liabilities.

17 --o0o--

18 SENIOR PENSION ACTUARY ROBINSON: The
19 approximate -- well, the value of the assets in the fund
20 as of June 30, 2018 is \$286 million. The accrued
21 liability is \$145 million. As you can see, the assets
22 exceed the liabilities and that's why we have a funded
23 status of close to 200 percent.

24 --o0o--

25 SENIOR PENSION ACTUARY ROBINSON: The assets in

1 the TAP are invested in an interesting way. The assets
2 are split into two segments. There's an immunized segment
3 and a surplus segment. The immunized segment is handled
4 by the Investment Office. And they set up a fund of
5 bonds, which cash match the expected benefit payments into
6 the future. So they buy a portfolio of bonds. The
7 payments from the maturities and the coupons on the bonds
8 are expected to match the benefit payments for the TAP out
9 into the future.

10 The Investment Office presents this information
11 on an annual basis, as they rebalance the TAP. As new
12 plans enter and leave the TAP each year, the Actuarial
13 Office provides fresh cash flows to the Investment Office,
14 which they use to -- for their analysis to rebalance the
15 TAP, the immunized segment in the portfolio.

16 Any surplus beyond those assets, which are
17 required for the immunized segment, are called the surplus
18 segment, and that's invested with the rest of the assets
19 in the PERF.

20 And the rate of return that we achieved last year
21 for the -- for the TAP over all was 5.1 percent. We
22 expect this to be a lower rate, because the immunized
23 segment, given that it's invested essentially in
24 government bonds, has a lower rate of interest attached to
25 it. And we do that because of the security of the cash

1 matching, which we have to do for the TAP.

2 As the Chief Actuary explained, once an agency
3 goes into the TAP, we can no longer reach out to them for
4 any further contributions. So essentially, this is a
5 unique aspect of the TAP that CalPERS, so to speak, is on
6 the hook for all the liabilities and to pay all the
7 benefits, unlike other plans where future contributions
8 can come from outside agencies. And therefore a
9 conservative investment approach, the immunized segment
10 has been established to take on that risk appropriately.

11 --o0o--

12 SENIOR PENSION ACTUARY ROBINSON: We conduct a
13 number of sensitivity analysis, both with this plan and
14 all the other plans and pools in the system. We look at
15 the risk of mortality. That's probably the most
16 significant risk associated with -- with this pool, if
17 people live longer or if people live shorter.

18 So we run an assessment based on attempts at
19 improvement in mortality and a 10 percent increase in
20 mortality. And as you can see the results, approximately
21 6 percent up and down would be the impact of a 10 percent
22 change in the mortality rate.

23 --o0o--

24 SENIOR PENSION ACTUARY ROBINSON: We similarly
25 conduct an impact -- inflation impact analysis to see what

1 would happen if the inflation rate we assume in the
2 valuation is increased by 1 percent or decreased by 1
3 percent. As you can see, the impact here on the liability
4 with a lower rate of inflation would lower the liabilities
5 by about \$16 million. If -- with the higher inflation, we
6 would have an increase of about \$6 million.

7 --o0o--

8 SENIOR PENSION ACTUARY ROBINSON: That completes
9 my presentation and -- of the financial status of the TAP.
10 We're happy to answer any questions which you may have.

11 VICE CHAIRPERSON MILLER: Okay. We have several
12 questions. I'll start with Ms. Brown.

13 COMMITTEE MEMBER BROWN: Thank you. I was
14 actually looking at Agenda Item 7a, page -- attachment 1,
15 page 14, where we show the funded ratio going down every
16 year since 2015. And I'm wondering is that because we
17 have more people coming into the pool and there's less
18 fund, or I'm just trying to figure out why it's going down,
19 and what is our sort of minimum threshold that we won't
20 fall below?

21 SENIOR PENSION ACTUARY ROBINSON: Well, the
22 answer is there are additional agencies, which are
23 entering the pool. As you can see in the accrued
24 liability column, those liabilities have been increasing
25 over the same period, and that's as new agencies come into

1 the pool.

2 Also, the discount rate changes from year to
3 year, so that will also impact the liabilities and
4 therefore the funded status. When we do a valuation, when
5 an agency terminates, we add a 5 percent load onto the
6 liabilities as a contingency factor. So in the long run,
7 if the TAP continues to grow, then that would kind of be
8 the ultimate percentage that we would expect in the long
9 run, because the addition of each -- of another agency
10 into the pool will -- will effectively reduce the funded
11 status each time.

12 So the amount of surplus in dollar amount may
13 remain the same, but as a percentage of the whole pool
14 will become smaller, so --

15 COMMITTEE MEMBER BROWN: So I saw that like the
16 discount rate increased, right, from 2 point something,
17 something to 2.99, right?

18 SENIOR PENSION ACTUARY ROBINSON: Right.

19 COMMITTEE MEMBER BROWN: And then there was
20 another calculation you did that -- there was two
21 calculations that changed that. So did -- did we approve
22 that discount rate change like we do for the PERF or, no,
23 do you guys do that on your own?

24 SENIOR PENSION ACTUARY ROBINSON: Well, you --
25 the Board has approved a policy in the way we establish

1 what the discount rate is. So we follow the policy. So
2 if you -- if the Board wanted to change the policy and
3 that would impact the changing the discount rate. But
4 that's why it moves each year, because the rates that we
5 use are based on the market yield at the valuation date.

6 COMMITTEE MEMBER BROWN: Great. So we did not
7 officially -- we did not act and change the discount rate.
8 You followed the policy and changed the rate.

9 SENIOR PENSION ACTUARY ROBINSON: That's right.

10 COMMITTEE MEMBER BROWN: Okay. Good. Because I
11 was going to say I didn't know that we had changed the
12 discount rate. So I didn't know if I was not paying
13 attention or not.

14 And then I know Mr. Terando, you and I have
15 talked about how we recalculate the pool or is it possible
16 to recalculate the pool, especially for some of the people
17 that are receiving less than their pension amount? And so
18 I'm just wondering sort of what our process or procedure
19 is for that. Maybe every couple of years do we take a
20 lock or is it every year we take a look at the mortality
21 rates and things like that?

22 I'm just trying to figure out how we can get some
23 of the people who've received steep discounts in their
24 retirement, because they're in the TAP how we can get them
25 more of their pension?

1 CHIEF ACTUARY TERANDO: That would --

2 COMMITTEE MEMBER BROWN: Specifically East San
3 Gabriel, but I'm sure it's more than them that are -- have
4 a discount.

5 CHIEF ACTUARY TERANDO: Right. Right. I
6 understand that we -- you know, like in East San Gabriel
7 their benefits were decreased going into the TAP. The
8 thing we have to keep in mind is those assets in the TAP
9 were designed to fund and provide a cushion, a safety
10 margin for those members that are in the TAP. And it
11 wasn't designed to provide additional benefits for members
12 coming in and to kind of buffer that decrease.

13 You know, it would be akin to just taking assets
14 from current other employers. You can think about it from
15 that -- from the point of when we -- when plans terminate,
16 we make -- we true them up when they go in. And so you
17 would be creating a precedence where you're taking money
18 away from those plans that, you know, say paid their fair
19 share to get into the TAP, to make up for plans that are a
20 little bit short going in.

21 COMMITTEE MEMBER BROWN: Can you tell me how many
22 plans are -- went in short, but basically got -- of the
23 109 -- what is there 109 plans in the TAP, is that what I
24 heard you say?

25 SENIOR PENSION ACTUARY ROBINSON: That's right.

1 To my knowledge, besides East San Gabriel and Loyalton.

2 CHIEF ACTUARY TERANDO: Loyalton and then there
3 were about, I think, an additional two more plans. I want
4 to say there's about four plans that went in within the
5 last 3 to 4 years. And then if you go back several years,
6 there were some sporadic plans that went in a little bit
7 unfunded before that.

8 COMMITTEE MEMBER BROWN: And so what is the --
9 what is the minimum funded ratio we need to keep the TAP
10 at?

11 SENIOR PENSION ACTUARY ROBINSON: Like the target
12 of the whole system is to be 100 percent funded. So with
13 the TAP, because of our additional contingency load, that
14 would -- in the -- you know, ultimately be 105 percent
15 because of that additional buffer. So that's -- that's
16 the target.

17 I mean, it will take quite a long time to get
18 there. But just to put these in perspective, you know,
19 the total assets of the plan is about \$300 million. So
20 that's -- if you look at it compared to the whole system,
21 that's less than 0.1 percent of the whole system.

22 So we're talking about a relatively small unique
23 pool. And, you know, the fluctuations of the entire
24 portfolio probably exceed the total value of the assets in
25 the pool.

1 COMMITTEE MEMBER BROWN: And I did want to
2 congratulate staff on getting 8.6 on the excess. I
3 thought that was very nice and helped that pool. And I
4 know it won't always happen, but that was a nice return,
5 and that does help the pool as well.

6 So thank you.

7 VICE CHAIRPERSON MILLER: Okay. Mr. Perez.

8 COMMITTEE MEMBER PEREZ: The -- I'm thoroughly
9 confused. Shocker, I know.

10 The funded status, is that not the 201.5 percent?
11 I'm sorry, for the 18 is 197.4?

12 SENIOR PENSION ACTUARY ROBINSON: That's right,
13 yes.

14 COMMITTEE MEMBER PEREZ: Okay. And you said we
15 need to be at 100 percent?

16 SENIOR PENSION ACTUARY ROBINSON: Right. Over
17 the -- over the years the surplus has emerged. Unlike
18 other plans in the system where there were benefit
19 improvements, which ate away at the surplus, that didn't
20 happen in the TAP. So as a result of that, and, you know,
21 the investment performance, we're in a relatively
22 comfortable spot with respect to the TAP.

23 But as I mentioned, the relative liabilities are
24 small. If there was a significant bankruptcy of a city,
25 and they would have to be moved into the TAP, that could

1 very easily wipe out a large proportion of that -- of that
2 surplus, even though the -- you know, the 140 million
3 amount would remain the same. But if that 140 million was
4 now part of \$1.4 billion fund, it would have a
5 significantly lower funded status.

6 COMMITTEE MEMBER PEREZ: Okay. The members in
7 the TAP, do they get COLAs?

8 SENIOR PENSION ACTUARY ROBINSON: They do get
9 COLAs, because that's part of the contractual agreement
10 that the benefits were based on. Most of the plans in the
11 TAP have a 2 percent COLA.

12 COMMITTEE MEMBER PEREZ: Thank you.

13 And then roughly how many members there's 190
14 little TAPs, but how many members all told?

15 SENIOR PENSION ACTUARY ROBINSON: So our report
16 in Appendix C shows the membership of the plan. The TAP
17 is the -- two-thirds of the liabilities in the TAP are in
18 respect of the retire -- retirees. And there are about
19 770 retirees in the TAP. The other components are
20 terminated members and transferred members. There are 346
21 terminated members and almost 100 transferred members.
22 And, of course, there's no active members, because all of
23 the agencies are terminated.

24 COMMITTEE MEMBER PEREZ: Yes, sir. Thank you.

25 And then at what point -- and I'm sure it's a

1 policy issue, and I'm -- this is not an indictment. I'm
2 just asking a question. At what point is -- do we
3 recognize that maybe we are a little fat and maybe we can
4 throw some more funds to not just the -- not just the
5 underfunded folks, but all the folks?

6 SENIOR PENSION ACTUARY ROBINSON: To use the
7 surplus for other purposes, is that the --

8 COMMITTEE MEMBER PEREZ: No. Yeah, use the
9 surplus to give the members of the TAP more than -- I
10 would like to make the members that are not receiving
11 their full retirement, I would like to make them whole,
12 whether it be East San Gabriel, or Loyaltan, or where
13 these other four that you mentioned.

14 CHIEF ACTUARY TERANDO: Right now, we don't have
15 that authority. It's kind of laid out in the PERL that
16 the funds are supposed to support the employers going into
17 the TAP at the time of the TAP. And right now --

18 COMMITTEE MEMBER PEREZ: As I think about it, as
19 I thought about the question I asked, I can see the danger
20 in allowing that to happen, because more cities would just
21 box them up.

22 CHIEF ACTUARY TERANDO: Yeah. So, I mean,
23 another point is we also need to think about --

24 COMMITTEE MEMBER PEREZ: We can strike that
25 question. Strike it from the record.

1 (Laughter.)

2 CHIEF EXECUTIVE OFFICER FROST: Scott will
3 answer.

4 CHIEF ACTUARY TERANDO: All right. The -- if you
5 think about it, it's getting paid down slowly. But as Ms.
6 Brown noted, that's -- that -- the funded percent is
7 coming down year after year, and as more plans are coming
8 in. If we have additional plans that terminate, we will
9 anticipate that funded status dropping continually down
10 closer to what Julian mentioned is ideally around 105
11 percent. We will see.

12 At that point, you know, there's not much of a
13 buffer there, if you think about. We don't get additional
14 contributions coming in. And so we want to have somewhat
15 of a buffer for members who are in this plan and gotten
16 terminated, because we have no recourse to go to the
17 employer.

18 So, you know, you see that 197. It looks like
19 it's a large amount. But in reality, you know, it's an
20 amount that's decreasing. You can look at the last
21 several years. It's kind of -- it's slowly coming down.
22 We anticipate that it will continue that way.

23 And we wouldn't want to be in the position of, I
24 don't want to say, redistributing those monies elsewhere,
25 and then finding ourselves short a couple years down the

1 road.

2 COMMITTEE MEMBER PEREZ: Yes, sir. Thank you.
3 Thank you.

4 VICE CHAIRPERSON MILLER: Okay. President Jones.

5 COMMITTEE MEMBER JONES: Yeah. Thank you, Mr.
6 Vice Chair.

7 Yeah, thank you or the report. I don't have any
8 substantive question. It's just one observation. I
9 noticed on one of your overheads, 5 of 8, Attachment 2,
10 where you make reference to the unfunded accrued
11 liability, and then you show brackets of 142 million in
12 2017.

13 SENIOR PENSION ACTUARY ROBINSON: Right. So
14 that's a negative, negative --

15 COMMITTEE MEMBER JONES: Negative, I noted.

16 SENIOR PENSION ACTUARY ROBINSON: Right. So
17 it's --

18 COMMITTEE MEMBER JONES: Most people won't pick
19 that up. They just look at unfunded, but it's not
20 unfunded, but I understand that math. So you may want to
21 put an asterisk on that and indicate that it's an excess
22 as an unfunded, instead of unfunded.

23 SENIOR PENSION ACTUARY ROBINSON: Okay. We'll be
24 happy to update the slides and the report next year for
25 that. Thank you for that observation.

1 VICE CHAIRPERSON MILLER: Okay. Ms. Middleton.

2 BOARD MEMBER MIDDLETON: Okay. Thank you, and --
3 Mr. Chair and thank you for the report.

4 I want to follow up on Mr. Perez's question. And
5 just for clarification, my understanding is this is a
6 restricted account. The funds in this account cannot be
7 used for anything other than to pay the pension
8 obligations for those employees that worked for terminated
9 agencies, is that correct?

10 SENIOR PENSION ACTUARY ROBINSON: I mean, my
11 understanding of that is that the TAP fund is a segment of
12 the PERF. So the -- and has been designated to pay
13 those -- the benefits for terminated members.

14 BOARD MEMBER MIDDLETON: Designated in what
15 fashion?

16 SENIOR PENSION ACTUARY ROBINSON: I'm -- this is
17 probably more of a legal question than an actuarial
18 question.

19 CHIEF ACTUARY TERANDO: Yeah, it is. But those
20 funds are set aside to cover the obligations of those
21 specific employers. When the employer does terminate, we
22 take the assets allocated to those employers and we pool
23 it in the Terminated Agency -- the pool. And those assets
24 are dedicated to paying for the benefits for those members
25 in the Terminated Agency Pool and not any additional

1 members.

2 BOARD MEMBER MIDDLETON: What I'm trying to get
3 at is did we, as a Board, make that decision to restrict
4 those funds in such a -- in the way that they are now
5 designated or is the Public Employees Relations Law what
6 is restricting these funds?

7 GENERAL COUNSEL JACOBS: It's the law.

8 BOARD MEMBER MIDDLETON: Okay. That's --

9 GENERAL COUNSEL JACOBS: There is a provision
10 where if an agency terminates, that the -- it can be
11 considered to be placed into the TAP, even if there is
12 not -- they're not able to pay their termination fee. But
13 that is -- requires that a termination by the Chief
14 Actuary that there is -- that there is -- that that will
15 not negatively affect the TAP, which is virtually
16 impossible for him to make. So there is that. But
17 basically that's the way the PERL sets it up.

18 BOARD MEMBER MIDDLETON: And that's what I
19 thought it was.

20 Last question, I believe. Have we faced any
21 allegations from agencies that are terminating that the
22 fees that we are charging them for termination are
23 excessive?

24 SENIOR PENSION ACTUARY ROBINSON: Yeah. I
25 personally don't like these term "termination fee". And

1 I'm not sure exactly how that emerged over time.

2 BOARD MEMBER MIDDLETON: Okay. I'm happy to
3 substitute another term.

4 (Laughter.)

5 SENIOR PENSION ACTUARY ROBINSON: Thank you.

6 When we do a termination valuation, we use a much
7 lower discount rate, because we know the liabilities are
8 going to be put into the TAP and the assets supporting the
9 TAP is this dedicated immunized portfolio of government
10 bonds. So to match the expected payments from that, the
11 underlying discount rate for the valuation is much lower
12 and that makes the liabilities much higher. We show in
13 each of the public agency reports, our hypothetical
14 termination liability in the event that an agency
15 terminates.

16 So the funded -- so that additional payment which
17 they need is just to bring the funded status up to match
18 the lower discount rate used. So it's not a fee which is
19 a processing or handling fee in that sense --

20 BOARD MEMBER MIDDLETON: Right.

21 SENIOR PENSION ACTUARY ROBINSON: -- it's an
22 amount to make the liabilities and the assets match going
23 into the -- going into the pool.

24 BOARD MEMBER MIDDLETON: And I appreciate that's
25 a tough decision and calculation you have to make.

1 Because once we accept that termination and receive that
2 fee, that's the last fee we're going to receive.

3 SENIOR PENSION ACTUARY ROBINSON: That's right.
4 And that's why we have to be particularly conservative.
5 And each valuation we look at the demographics of the
6 terminating plan, and we look at the duration of
7 liability, and select an appropriate discount rate based
8 on the then existing treasury bond rates at the time.

9 So we're very market sensitive and we want to do
10 our best -- the best job to protect one of -- the system
11 and also give a fair deal to the agency who's terminating.

12 BOARD MEMBER MIDDLETON: Thank you. Appreciate
13 it.

14 VICE CHAIRPERSON MILLER: Mr. Saha -- oh, could
15 you push your button there, so I can get you. There we
16 go.

17 ACTING COMMITTEE MEMBER SAHA: Thank you, Mr.
18 Vice Chair. Just a quick question. I'm sure you've
19 probably done some research on when the -- you expect the
20 fund to go down to the 105 percent.

21 SENIOR PENSION ACTUARY ROBINSON: Well, that's
22 kind of best of speculation.

23 ACTING COMMITTEE MEMBER SAHA: Right. Right.

24 SENIOR PENSION ACTUARY ROBINSON: So, no, we
25 don't have anything, you know, in the Actuarial Office

1 where we project you know, when plans are going to
2 terminate in the future.

3 ACTING COMMITTEE MEMBER SAHA: Okay. Yeah, I was
4 just curious if you'd done any modeling for forecasting on
5 that?

6 SENIOR PENSION ACTUARY ROBINSON: No, I mean, I
7 think -- I think we mention in the agenda item that if an
8 agency terminated with a liability of 50 million what the
9 impact would be --

10 ACTING COMMITTEE MEMBER SAHA: Right.

11 SENIOR PENSION ACTUARY ROBINSON: -- on the --
12 But we don't spec -- you know, have any notion of which
13 agencies are -- may terminate or not terminate. That's
14 beyond the scope of the work that we do.

15 ACTING COMMITTEE MEMBER SAHA: Okay. Thank you
16 very much.

17 VICE CHAIRPERSON MILLER: Okay. I'm seeing no
18 requests to speak, so I think that wraps that item.
19 Thank you, gentlemen.

20 SENIOR PENSION ACTUARY ROBINSON: Thank you.

21 CHIEF ACTUARY TERANDO: Thank you.

22 VICE CHAIRPERSON MILLER: Okay. On to 7b,
23 Pension Modeling Tool, Pension Navigator. Mr. Terando and
24 team member Kerry Worgan.

25 (Thereupon an overhead presentation was

1 presented as follows.)

2 CHIEF ACTUARY TERANDO: Good morning. Scott
3 Terando from the Actuarial Office.

4 Item 7b is also an information item. And this
5 item is a -- it's a demonstration of a pension tool that
6 the Actuarial Office has developed in conjunction with the
7 IT department.

8 We've had -- we've heard a number of employers
9 requesting for us to help provide tools to them to kind of
10 help them plan for their retirement contributions and do
11 some analysis on their own. And so we went back and we
12 looked at what we could do. And with that, we've come up
13 with this tool.

14 It enables the stakeholders to kind of generate
15 contributions and projected status on a number of
16 scenarios and it gives the employers some kind -- some
17 budget information as well. Kerry Worgan is Supervising
18 Actuary in the office and he's going to step through and
19 show a demo -- a demonstration of what the tool can do.

20 SUPERVISING PENSION ACTUARY WORGAN: Thank you,
21 Scott.

22 Good morning, Committee and Board members. Kerry
23 Worgan, Actuarial team.

24 And I have the pleasure today of introducing you
25 to Pension Navigator. You may have heard this referred to

1 in the past as Vital Signs. It's kind of our working
2 name. And it was a good collaboration between the
3 Actuarial Office and Tim Taylor's group, the Enterprise
4 Division. And it was a fun project, I'll have to say, and
5 it is ongoing.

6 So this is version 1. Keep in mind that we are
7 continuing to make improvements and enhancements as
8 agencies and Board members are requesting more useful
9 information.

10 --o0o--

11 SUPERVISING PENSION ACTUARY WORGAN: So -- all
12 right. This plan was developed to assist our agencies in
13 projecting costs and for planning and budgetary --
14 budgeting purposes.

15 Let's start with our pension fundamentals.

16 --o0o--

17 SUPERVISING PENSION ACTUARY WORGAN: So the key
18 measure or basic measure we have to view the current
19 health of a pension system is the funded status. So
20 effectively, if the funded status is less than 100
21 percent, it means that our assets aren't sufficient to
22 meet the obligations. Our current funded status is around
23 70 percent. But we know that that's today and we have to
24 move forward.

25 So our current funded status, as you know, is 100

1 percent and will always be 100 percent. As actuaries, we
2 view the danger zone, if you will, as less than 50
3 percent. We view anything from 60 to 80 to 90 percent as
4 sort of our caution warning zone. And we would feel much
5 more comfortable at a 90, or 100 percent, or look at the
6 TAP at 197 percent. That gives us much more comfort that
7 those benefits are going to be paid.

8 --o0o--

9 SUPERVISING PENSION ACTUARY WORGAN: So this tool
10 sits on our valuation system. So what we have here is a
11 baseline, based on all the valuation results for every
12 plan that just went out June 30th, 2018. It gives us the
13 position on that date. But we know that there's a lot of
14 factors that we have to consider going forward.
15 Investment returns, which are the primary driver,
16 generally they create about 80 to 90 percent of our
17 experience gains and losses.

18 So they are the big driver of cost. Member
19 demographics, including salary growth, mortality rates,
20 retirement rates, we have benefit provisions that we need
21 to worry about in terms of PEPRAs, transition from Classic
22 to PEPRAs. And we have a lot of actuarial assumptions and
23 methods that are in place as well. Discount rate being
24 the key one, currently at 7 percent. Our inflation rate
25 also drives some of these costs at two and a half percent.

1 And our Amortization Policy that we just recently
2 introduced, and will be fully effective with the next
3 valuation, where we've lowered the amort period down to 20
4 years.

5 And, of course, actual experience. We can't
6 predict what's going to happen into the future, but we
7 scan forward. We're looking out on the horizon to see
8 what's coming and we adjust. And that's the key here,
9 it's the path forward we're worried about. Looking into
10 the future, whether it's 3 years, 5 years, 10 years, or 30
11 years, it's the path forward that matters here.

12 --o0o--

13 SUPERVISING PENSION ACTUARY WORGAN: So let's
14 give you an analogy, and one I like to use for all my
15 agencies, is say you were making a long sailing voyage
16 from San Francisco to Hawaii, you would chart a direct
17 course straight line. Okay. We know -- and that would be
18 our baseline.

19 Okay. We know that with headwinds, and
20 tailwinds, potential storms, we're going to get knocked
21 off our course. We could be a little ahead of pace, we
22 could be behind pace, but we still know where our target
23 is and we adjust. Okay. Hence, the navigation tool. We
24 are navigating towards this end goal of 100 percent.

25 So let's start off with the employer view.

1 --o0o--

2 SUPERVISING PENSION ACTUARY WORGAN: Because
3 there are two views under Pension Navigator for, the
4 employer view is what we propose to send out to the
5 agencies and let them have access to. So how does it
6 check the current financial health of their plan? Well,
7 we do projections of accrued liabilities. So we take the
8 current accrued liability, we add in normal cost, we make
9 benefit payments out, and we credit interest as we project
10 those liabilities into the future.

11 We do the same thing with the assets. Again, we
12 look at employer contributions coming in, employee
13 contributions coming in, benefit payments going out, and
14 assumed investment returns.

15 We compare those two and that gives us the
16 unfunded liability. So one less two, liability less plan
17 assets gives us the unfunded liability. The fourth one is
18 the projection of the funded ratio. So we're taking
19 assets divided by liabilities to say what is the current
20 funded status.

21 And then finally, the key one is projecting
22 employer rates and contributions. Obviously, those
23 amounts are needed to fund normal costs going forward, but
24 also to pay off the unfunded liability.

25 --o0o--

1 they're headed within the next 3, 5, 10, 20, 30 years.
2 They want to know what the annual changes in their funding
3 requirement may be. They also want to be able to see the
4 impact of potential ADPs that they might want to make in
5 terms of lower my cost, short term, long term. And also,
6 they want to make sure, if they need to, to make provision
7 for, you know, steep increases that we know are coming,
8 how much money do I need to set aside maybe in a 115 trust
9 to meet those contributions.

10 --o0o--

11 SUPERVISING PENSION ACTUARY WORGAN: So saying
12 that, let's have a quick look through. We'll give you a
13 live demo. Hopefully, things will work here.

14 Well, actually going to start off with -- the
15 first thing you'll see when they open up the model is this
16 disclaimer. And we want to make sure that they're aware
17 that these are projections, forecasts looking far into the
18 future. And it's stuff that they're inputting into the
19 system. Their conjecture on what could happen may not
20 mirror what we as actuaries may put into the system as
21 what could happen. So we just want to make sure when
22 they're opening the system, they understand what they're
23 agreeing and accepting in terms of these are projections.
24 They're not things that we're actually telling them are
25 going to happen. These are just possible horizons. So

1 they'll get that disclaimer when they open it up.

2 All right. So let's go to -- let's pull up an
3 employer at random. Right now, we've got this preloaded
4 for all our non-pooled plans in version 1. The
5 expectation is that we will continue to work and build it
6 in for our pooled plans in the future in version 2 or
7 version 3 as we go along.

8 But let's start off with the non-pooled plan.
9 I'm going to start with City of Orange. And they have the
10 ability to open up their miscellaneous or safety plan.
11 And we'll look at their safety plan -- or sorry,
12 miscellaneous plan.

13 All right. And when you open it up, this is what
14 they'll see. Effectively, the red line is their
15 contribution rate. And you can see for the next 30 years,
16 obviously, it's going up initially as we climb those
17 amortization ramps. And then it plateaus. And then it
18 starts to fall off as bases start to fall off as they get
19 paid off and the impact of PEPRA. Because we know that
20 the PEPRA costs are slowly decreasing as they transition
21 from classic to PEPRA members.

22 The blue line you can see there is the funded
23 status. And again, that's -- for this plan, they're at
24 71.2 on the valuation date. And if we earn 7 percent
25 every year, you'll see that they make slow and steady

1 progress as they climb the curves up to 100 percent.

2 Now, there's a lot of information on here for
3 them and some of the assumptions. And maybe I'll walk
4 through some of the assumptions that they can use. You
5 can see -- starting on the top left, you can see they can
6 project 10, 20, or 30 years, again depending on what their
7 horizon is that they're looking out. We allow them to
8 turn PEPRA on and off. So we get a lot of questions of
9 what are the savings of the system due to PEPRA? And we
10 have the ability now to do some estimates on actual
11 savings due to PEPRA under not only an individual plan,
12 but the whole system.

13 So we can transition. And they have a choice to
14 transition over 10, 15, or 20 years. Typically, we see
15 about a 5 percent, 6 percent a year turnover into --
16 through PEPRA. And if that's to continue, our expectation
17 is about 15 or so years that most of the people in the
18 system will be PEPRA members at that time.

19 Now, we're seeing slightly slower turnover in the
20 safety plan, so they may want to transition to 20 years,
21 when they're looking at their safety plans through this
22 tool. I also have some plans that are over 50 percent
23 already into PEPRA. So they may want to say, no, we're
24 seeing much quicker turnover in our agency, in our system,
25 so I'm going to use 10 years to do the projection.

1 We've also introduced an additional discretionary
2 payment field, so they can access -- they say I'm going to
3 put extra money into my plan, I just click on the yes, and
4 I'll be able to define how much I can put in and how many
5 years I'd like to do that for.

6 Finally, there's a random investment scenario.
7 What we've done here is we've pulled in all the -- or most
8 of the simulations that we ran for the 2017 ALM workshop.
9 And they're randomly picking a scenario that -- because we
10 know that we're not going to earn 7 percent obviously
11 every year. There's going to be ups and downs. And that
12 better reflects what we expect the funded status and
13 contributions to be.

14 If they don't want to introduce a random
15 scenario, can actually choose in the far right column a
16 specific rate or series of rates. Okay. We've built it
17 in at 7 as our baseline, but they can choose any rate that
18 they want or any combination of rates for the next 30
19 years to do their projections. And I'll walk through some
20 scenarios that I think a lot of our finance directors are
21 considering.

22 Okay. Looking down the right side of here,
23 you'll see that we've got some funded status information,
24 the current, a year projected into the future, and then
25 for the next 3 years, 5 years, and 10 years we show the

1 funded status. And then on the employer rates, which is I
2 think their main concern obviously is the current fiscal
3 year, which is based on the 17 valuation, the projected
4 for the next fiscal year, which is based on the valuations
5 we just did, 6/30/18. And then we also show for the
6 period that they choose, the average rate and the maximum
7 rate, because they know where they are today, but how high
8 is that going to go? So that's a key field.

9 And then finally, we also show them the cost over
10 the period that they choose, in this case 10 years. This
11 agency is going to pay \$300 million into their fund. So
12 when we use -- we can look at that figure, the 300 million
13 and say if we change our investment returns, if we change
14 our discount rate, how much does that impact the overall
15 cost of that plan?

16 Okay. So everything is done in comparison to the
17 baseline, which is what we provide from the Actuarial
18 Office. But let's do a quick calc here and say, well, we
19 know that we actually earn 6.7 in 18-19, so let's submit
20 that as an updated return.

21 And we wait.

22 (Laughter.)

23 SUPERVISING PENSION ACTUARY WORGAN: All right.
24 And you can see that although on this graph, it didn't
25 change a whole lot, and we don't expect it to change a

1 whole lot, you can see that the rate slightly increases,
2 and that the overall cost that 1 year 6.7 has added 1.63
3 million in terms of the cost for the next 30 years.

4 All right. In addition under here, we also
5 provide them with a look at their assets and liabilities,
6 if they want to compare the modeling of the assets and
7 liabilities, again over the period they choose. And then
8 again, there's our budget tab. And I'll get back to that
9 slightly that they can look at some of the budgeting.

10 So that's our plan A, if you will. A city
11 director can say here's our expected cost at this point
12 based on again investment returns only. We don't know the
13 demographics yet for 18-19.

14 But let's go back, play with our modeling a
15 little bit, and say, what if a random return was
16 generated? So here we click on random. We want to
17 generate a new random scenario, and we've given them the
18 ability to pick a percentile. We want to say a low random
19 investment return, a low moderate, a higher moderate, and
20 then a very good obviously random return. Most of our
21 finance directors are going to be concerned with the low
22 ball. So they're going to throw a 25 to 50 or even a 0 to
23 25 to say, you know, how bad could rates possibly get?

24 So we click on submit. We run our random
25 scenario. And this gives us a much better indication of

1 what we believe is going to happen in terms of volatility.
2 So you can see there -- slide this down a little bit.

3 Come on.

4 Oh, well, it's not going to move down.

5 Obviously, you can see under this scenario rates jump up
6 quite a bit. We've got some poor investment returns in
7 the short-term. We have a good investment return
8 obviously. Looks about 10 years into the future where
9 rates drop. So again, we get some of that volatility that
10 we expect. We don't assume a nice smooth line. We expect
11 jagged ups and downs in terms of both rates and funded
12 status. We just don't know exactly when and where those
13 jags -- jagged lines are going to happen.

14 Okay. So that's a random. Let's go back. And
15 again, we see Plan A, which was based on the 6.7. But
16 maybe that agency is more concerned with sort of the
17 downside risk. And they are proposing that what happens
18 if we only earn, let's say, 6 percent for the next 5
19 years?

20 So they're more worried about downside risk. So
21 they put in 5 years -- oh, we've got a 9 in there. Let's
22 put a 1 in here. So this might -- they might call their
23 plan B. You know, we know plan A is what CalPERS is
24 telling us. But we want to protect a little bit on the
25 downside. We think that the rates might be a little bit

1 lower. And again, you get a nice graph of the slightly
2 higher contribution rates going forward, the drop in the
3 funded status, because we've got lower returns for the
4 next 5 years. It means when you look at the diagnostics
5 here, it adds about 10 percent to their overall cost over
6 the next 30 years.

7 And you can see that the average contribution
8 rate is now up to 28.93. So that's an increase of 2.6
9 percent. And the new maximum is now at 45.84, which is up
10 almost 2 percent from the prior maximum.

11 So again, they have some idea of what this could
12 do to our budgets looking forward. And again, that's the
13 key is everyone should be looking forward into their
14 planning.

15 So at this point, they would probably want to go
16 and say that's our plan B. Let's look at our budget. So
17 all the information that we see there is downloadable into
18 an Excel spreadsheet, so they can take that information
19 for both of their plans. You'll see there's a
20 miscellaneous plan, a safety plan, and a combined plan,
21 and they can download this information and develop their
22 own presentations for city council. The information is
23 all there. They can see the impact not only on annual
24 increase in contribution rates, but also relative
25 increase.

1 So you can see, for example, under this plan,
2 we're seeing under our baseline 9.36 percent and a 7.4.
3 With the new scenarios, obviously, because there's the
4 two-career lag, 9 percent, 7 percent, and then 6 percent
5 you start to get these increases as we ramp into these
6 investment losses. Okay. So that's for Plan B.

7 Let's take a quick look, if we said what if we
8 changed our discount rate? So let's go over to the
9 discount rate and let's make this a 6.75, not 7.75. 6.75.
10 We're also going to change our investment returns, because
11 we should be consistent.

12 All right. So let's go back here and we'll pull
13 up our funded ratio. Oh, yeah, they can also toggle on
14 and off different bases if they want to see the
15 comparisons. But let's go back to the summary here.
16 Okay. So this is if we were to drop the discount rate to
17 6.75. Plan C for this agency, they want to know what is
18 the impact? What does that do to my maximum rate? And my
19 new maximum rate would go up the 49, 4.5 -- or, sorry,
20 4.86 over the baseline.

21 The average over 30 years is now 28.98. An
22 increase of 2.65 over the baseline. So they have some
23 measures, some metrics to compare the impacts of potential
24 changes under the system to what their current baseline
25 would be.

1 And again, they could bounce into their budget
2 tool, take that information, and have their plan C for
3 presentation purposes.

4 And then finally, we talked a little bit about
5 the additional discretionary payment. We can reset our
6 modeling. They say what if we want to make an additional
7 payment, it shows them what 1 percent of the UAL is for
8 their plan at the moment. For this plan, it's about a
9 million dollars.

10 So let's go and put \$2 million and see what kind
11 of an impact that makes. And let's do that over say 3
12 years. They have a plan to pay down some of that UAL. We
13 submit that.

14 And again, you can see that now the contribution
15 rate has dropped as we expect. The funded status has
16 improved and saving them, in this case, 7 and a half
17 million dollars over the next 30 years. So again, they
18 get some instant feedback over potential.

19 And they may call that plan D, right? They want
20 to take some of that extra money, put it in the plan, or
21 put it in a 115 trust. How does that impact our
22 contributions going forward?

23 Okay. Any questions on the employer view?

24 CHAIRPERSON TAYLOR: So, yes. I want to thank
25 you for the presentation. I have several questions.

1 Ms. Brown.

2 COMMITTEE MEMBER BROWN: Thank you. Can we go
3 back to the original City of Orange?

4 SUPERVISING PENSION ACTUARY WORGAN: The original
5 city, sure.

6 COMMITTEE MEMBER BROWN: So for those of us who
7 have worked in budgets our whole career, you know, you
8 know, public agencies live and die by their budget
9 assumptions. You can have either inexperienced or people
10 who have rose-colored glasses on, and project some really
11 good numbers in to make their numbers look great, and
12 almost mislead their city council, or their school board,
13 or whoever.

14 So I have concerns about that. I love this that
15 they can put this in. But I'm hoping that when we give
16 this to the employers is that we kind of give them an idea
17 of what the budget assumptions should be. Like, we have
18 assumptions of what the PERF is going to return over the
19 next 10 years, right? We know it's going to be less than
20 7. And then we know it's going to be -- for the next 30,
21 it's going to be greater than 7.

22 And so maybe we could start with helping these
23 agencies with what we think are the baseline budget
24 assumptions, so that they're not being too rosy in their
25 expectations, and then the cities get excited. I don't

1 know. I'm just telling -- just a little help, because
2 otherwise, you could end up with too rosy a situation.

3 Just like PEPRA, do you give them trend lines or
4 are they tracking the trend lines of how many of their
5 employees are in PEPRA? And it also depends which
6 employees, right? If it's all the low-paid employees that
7 are in PEPRA, that -- even if it's 50 percent. But if
8 it's all the new workers that come in at a lower rate of
9 pay, it won't -- it will skew that number as well.

10 So just wondering how we're going to help
11 agencies and -- train them, because not all budget
12 managers and city managers are created equal, as you've
13 probably learned, right?

14 SUPERVISING PENSION ACTUARY WORGAN: Yes,
15 definitely.

16 COMMITTEE MEMBER BROWN: Okay.

17 SUPERVISING PENSION ACTUARY WORGAN: That's a
18 great question. You know, we do spend a lot of time with
19 finance doctors. They've requested, on a regular basis, a
20 tool that they can use to kind of do some more
21 projections. There are limitations obviously. And that's
22 why we want to make sure that disclaimer is this. Because
23 as you said, if you're putting in bad assumptions, you're
24 going to get some bad results.

25 We do provide the baseline, and that's our

1 projection from the valuation reports. But we also want
2 to educate them and use this as an educational tool to see
3 the impacts of, yeah, what if we put in a 6.1 CMA for 10
4 years, what does that do to projected funding. That might
5 be your plan B, or -- and I've talked to agencies already
6 that have looked at this tool a little bit and they're
7 saying, well, you know, maybe I want to put in a 5 percent
8 as my plan C.

9 So all that they're trying to do is educate both
10 their city council and their city managers as here's range
11 of possible outcomes. We don't know which exact scenario
12 we'll be on, but there's a range. And we have to be able
13 to plan not only a baseline, but some contingencies. We
14 need to have some reserves set aside.

15 And a lot of agencies and cities are doing that
16 is put some money on contingency and into reserves for
17 these potentials that may pop up. I think what they
18 really want to know is how much do I need to have in my
19 reserve? Is it a \$20 million hit in that third year and
20 fourth year, or is it a \$10 million hit?

21 If we had a really bad year -- say I put in a
22 minus 10, and all of a sudden those costs are driving up,
23 how much of that do we need to put aside to make sure that
24 we are able to meet the contributions of the plan? So
25 again, we don't really know. There's a lot of talk about

1 a recession, and then there's a lot of talk of no
2 recession. So we're just not sure when it may happen or
3 when it may not happen, but a lot of it is planning.

4 And like anybody setting up a budget, you need to
5 have a plan A, a plan B, and a plan C, and maybe some of
6 these agencies need a D, an E, and an F as well as to what
7 could happen. Because although we're only looking at one
8 piece of their budget, that's their pension, it is a big
9 chunk, but they've got a whole range of other issues in
10 terms of their revenue side that we don't even see and we
11 don't really want to see what's going on on the revenue
12 side. But that's a very good question.

13 COMMITTEE MEMBER BROWN: I forgot -- I forgot to
14 start out by saying this is a very cool tool. Sorry. I
15 just -- I'm a glass half empty kind of gal, probably
16 because I've dealt with school budgets my whole career.
17 But -- so I think it's very -- it's very awesome. It's
18 going to be a great planning tool. And if it's not
19 necessarily CalPERS who's helping our local agencies with
20 budget assumptions, then maybe it's through their
21 associations, like maybe League of Cities or the county
22 consortiums, or something like that.

23 But I just wouldn't want them to -- I would just
24 make sure that we maybe say don't be overly aggressive
25 with your assumptions because -- or -- because you could

1 end up in much bigger trouble. I just don't want them to
2 mislead anybody.

3 But I think this is a very great tool for
4 planning, especially for cities who are looking at making
5 some one-time payments, and how will that help, and to
6 convince maybe their city council to put the money into
7 the -- to pay off the unfunded liability. I think that's
8 a great. So good job.

9 SUPERVISING PENSION ACTUARY WORGAN: Okay. Thank
10 you.

11 CHAIRPERSON TAYLOR: Thank you.

12 Mr. Jones

13 COMMITTEE MEMBER JONES: Yeah. Thank you, Madam
14 Chair. Outstanding. This is an -- I wish I had this when
15 I was CFO. You know, and like you said, it's just one
16 piece of the puzzle for developing a budget, but it's a
17 big piece, and it's a complicated piece that I think this
18 tool is going to be very helpful in the path forward, as
19 you mentioned, because school districts are now even
20 required to have multi-year planning strategies adopted by
21 the board. So this tool fits in right with that
22 requirement.

23 On the disclaimer though, how -- is there a way
24 that that is communicated to the policy board, or the
25 board, or the city council, because Ms. Brown is right,

1 that depending on what your goal is you may start using
2 unrealistic numbers. And the first response is, oh,
3 that's CalPERS' number. So is there a way to communicate
4 to the policymakers when they use this tool, because --
5 oh, by the way, they will be able to use a similar tool
6 with their governing body, just like you did with us?
7 They will be able to do that?

8 SUPERVISING PENSION ACTUARY WORGAN: Yeah.
9 They'll have access through my|CalPERS.

10 COMMITTEE MEMBER JONES: Right. And so they'll
11 be able to present that. So somehow if we could just
12 require that the governing body understands that when
13 those numbers change, that it's an internal number. I
14 don't know how you do that, but I think it's important
15 that the governing body understands that, because
16 otherwise it's going to be CalPERS told me. You know,
17 and --

18 (Laughter.)

19 CHIEF EXECUTIVE OFFICER FROST: It's a good
20 point. We may be able to put additional language into the
21 disclaimer --

22 COMMITTEE MEMBER JONES: Okay.

23 CHIEF EXECUTIVE OFFICER FROST: -- that says, you
24 know, the default scenarios come directly from the
25 valuation reports for your -- for you. But if you run

1 you're own scenarios, that you're responsible.

2 COMMITTEE MEMBER JONES: Yeah, something like
3 that.

4 CHIEF EXECUTIVE OFFICER FROST: But we might be
5 able to put something in the disclaimer.

6 COMMITTEE MEMBER JONES: Just something to just
7 nudge them so that -- and then the other thing I wanted to
8 ask you to just comment on is that the funded status,
9 because it comes through very clear with this tool, that
10 you don't need -- 71 percent funded doesn't mean that you
11 need 100 percent today.

12 SUPERVISING PENSION ACTUARY WORGAN: Correct.

13 COMMITTEE MEMBER JONES: Because you're talking
14 about 30 years later.

15 SUPERVISING PENSION ACTUARY WORGAN: Um-hmm.

16 COMMITTEE MEMBER JONES: So could you expand on
17 that, so people understand that we got 1.9 million members
18 and we have 600,000 retirees, and you need 100 percent for
19 those 600,000 today. But the person that just started to
20 work today, we don't need the funded status for that
21 person until 40 years from now.

22 SUPERVISING PENSION ACTUARY WORGAN: Correct.

23 COMMITTEE MEMBER JONES: So it's the long term.

24 SUPERVISING PENSION ACTUARY WORGAN: And that's
25 why I used the analogy of the long voyage --

1 COMMITTEE MEMBER JONES: Yeah.

2 SUPERVISING PENSION ACTUARY WORGAN: -- because
3 it does -- it is a 30-year path or longer, right? We have
4 people that join the system today. We expect they'll get
5 benefits 60 years from now. So it's beyond 30 years. We
6 kind of have a 30-year mindset. But we've also heard that
7 agencies are worried about the next five years as well.

8 So it's the whole path forward. It's 5 years,
9 it's 10 years, it's 20. They want to make sure. But at
10 least with the tool, they have an idea of saying, okay, we
11 can follow that contribution line. When does it start to
12 come down for us, right?

13 We have 8 years of high rates and then it
14 slowly -- the PEPRAs start to kick in and we can afford
15 the stuff after 8 years. But we really have to focus on
16 the next 8 to get through that period. And if there's a
17 shock to the system, if we have a bad investment return,
18 how much higher does that go?

19 So funded status is important. Obviously, at 70
20 percent today roughly, I'd feel more comfortable if it was
21 at 80 percent, even better if it was 90, but it's a lot
22 better than 60. You know, one advantage of this tool is
23 we can run the whole system and say what if we had left it
24 at 7 and a half, right? We dropped the discount rate from
25 7 and half to 7, how much does that hurt the funded

1 status? And we'd be up over 75 percent if we'd stayed at
2 7 and a half.

3 COMMITTEE MEMBER JONES: Sure.

4 SUPERVISING PENSION ACTUARY WORGAN: So it's just
5 an ongoing long trip that we're slowly navigating through.
6 This tool allows them at least to project at their level
7 what their cost would be and that they're making progress
8 on their funded status. I think that's -- that's the key
9 is that people kind of want to know when do these rates
10 come down, when does my funded status get to 80 or 90, you
11 know, so -- and now they have some actual information and
12 an analytical tool that allows them to do some what if
13 stuff, so...

14 COMMITTEE MEMBER JONES: Good. Good. Well,
15 again, I just want to applaud you for your vision and your
16 foresight to come up with this tool. That's not going to
17 only help the individual agencies, but also help
18 CalPERS --

19 SUPERVISING PENSION ACTUARY WORGAN: Exactly.

20 COMMITTEE MEMBER JONES: -- manager better. So I
21 appreciate the effort. Thank you.

22 SUPERVISING PENSION ACTUARY WORGAN: Thank you.

23 CHAIRPERSON TAYLOR: Yeah. Thank you for the
24 tool. I'm really impressed with it. I had a question. I
25 think Henry was asking the question, but I'm not sure. So

1 this live demo that you're doing, I assume if they bring a
2 computer in and hook it up to their screen, they can do
3 this in front of their members, and their board, and
4 stuff, right?

5 SUPERVISING PENSION ACTUARY WORGAN: I would
6 assume they could do it. Yeah, if they have access to
7 my|CalPERS.

8 CHAIRPERSON TAYLOR: Okay. So they -- well, they
9 can actually do it live if the Board asks for them to --
10 hey, I don't trust your figures that you're saying. Hey,
11 bring this tool in so we can all see.

12 SUPERVISING PENSION ACTUARY WORGAN: Right.
13 Right.

14 CHAIRPERSON TAYLOR: Okay.

15 SUPERVISING PENSION ACTUARY WORGAN: Yeah,
16 because anyone on the Board could say, well,
17 hypothetically what if we only earn 5.

18 CHAIRPERSON TAYLOR: Right. Well, then let me
19 pull this up and I'll show you.

20 SUPERVISING PENSION ACTUARY WORGAN: Right.

21 CHAIRPERSON TAYLOR: Yeah. Okay.

22 Mr. Perez.

23 COMMITTEE MEMBER PEREZ: Strong work guys. Thank
24 you.

25 You asked if this was for the employer side. Is

1 there going to be an employee piece to this, because I
2 have a couple question on the employee piece?

3 SUPERVISING PENSION ACTUARY WORGAN: On the
4 employee side, no. I don't think we have -- I mean, my
5 guess is that if the agencies wanted to show the
6 employees, you know, do groups. Call in the employees and
7 say, you know, here's the plan, here's the path we're on,
8 they could demonstrate some of the stuff for them. But
9 the employees obligations are to make their contribution,
10 whatever that may be, if they're PEPR classic.

11 COMMITTEE MEMBER PEREZ: Sure. I was hoping for
12 something that the labor groups could use to do the same
13 thing. So when CalPERS --

14 CHIEF ACTUARY TERANDO: Well, like Kerry
15 mentioned, there's an employer view. This is the employer
16 view. There's also, what we call, say a Board view for --
17 that looks at the PERF overall instead of the specific
18 rate plans. And that just gives a view of basically
19 running through these types of scenarios at the PERF
20 level.

21 And then I think the eventual goal will be -- we
22 are going to be rolling this out in stages. The goal is
23 to roll it out to the Insight Tool and have it available
24 to Board members. And in the next couple weeks by Ed
25 Forum have it available to employers. And I think the

1 eventual goal is to have it available on our website, so
2 anyone can run it, employer, employees, as well.

3 COMMITTEE MEMBER PEREZ: Okay.

4 CHIEF ACTUARY TERANDO: Because as you mentioned,
5 the employees will be interested in running this analysis
6 as well. You'll have, you know, a number of stakeholders
7 that want to run scenarios as well. So the goal will be
8 to have this out there available. I mean, when you think
9 about it, a lot of this information is in the annual
10 valuation report. Charts and tables in the back of the
11 report that no one ever reads, but it's there.

12 (Laughter.)

13 CHIEF ACTUARY TERANDO: And this just kind of
14 makes it a little bit more available to people and a
15 little bit more --

16 COMMITTEE MEMBER PEREZ: Dumbs it down.

17 CHIEF ACTUARY TERANDO: -- interesting seeing
18 colored graphs instead of reading a report.

19 COMMITTEE MEMBER PEREZ: Right. Then with the
20 direction -- or at the -- with Ms. Taylor's consent, then
21 that would -- that's a goal that I would like to see.

22 CHIEF ACTUARY TERANDO: Oh, no, no. When I say
23 it's a goal is --

24 COMMITTEE MEMBER PEREZ: It's going to happen?

25 CHIEF ACTUARY TERANDO: Yes. I mean, it's just a

1 matter of getting everything implemented.

2 COMMITTEE MEMBER PEREZ: Okay. Thank you.

3 CHAIRPERSON TAYLOR: I just want to clarify. So
4 the goal is to have this out on the Insight Tool and we
5 can look at employee contributions, is that what you're
6 asking?

7 COMMITTEE MEMBER PEREZ: I want the employees to
8 be able to log on -- ong on whenever.

9 CHIEF ACTUARY TERANDO: He wants the employee to
10 be able to do what we just did.

11 CHAIRPERSON TAYLOR: So when they sign into their
12 My|CalPERS, is that what you're saying?

13 COMMITTEE MEMBER BROWN: No, as an employee
14 group, as an employer group, like negotiations.

15 CHIEF ACTUARY TERANDO: Yes.

16 CHAIRPERSON TAYLOR: So you're saying labor
17 groups can sign on?

18 CHIEF ACTUARY TERANDO: Yes. Correct.

19 CHAIRPERSON TAYLOR: Okay.

20 CHIEF ACTUARY TERANDO: And they don't have to
21 sign on. It will be available on the CalPERS web.

22 COMMITTEE MEMBER PEREZ: That's our job to keep
23 the city honest or the organization honest.

24 CHIEF ACTUARY TERANDO: Yeah. I mean, it
25 wouldn't be -- if you think about it, it wouldn't be fair

1 to give it to the employers and not --

2 CHAIRPERSON TAYLOR: Right. Right. Right.

3 CHIEF ACTUARY TERANDO: -- labor groups --

4 CHAIRPERSON TAYLOR: Okay. So they're going to
5 get to sign on.

6 CHIEF ACTUARY TERANDO: -- or just any
7 stakeholders in general. So the plan is to make it
8 available to everyone.

9 CHAIRPERSON TAYLOR: Okay. Great

10 COMMITTEE MEMBER PEREZ: Excellent.

11 So if we're going to make it available to
12 everybody, is there a way to -- oh, man, I know this will
13 take a lot of work, but maybe you guys already have it.
14 So for Orange, you have miscellaneous and safety. And
15 let's say I'm a negotiator for miscellaneous, am I able to
16 go in and say, okay, for miscellaneous, I'm going to give
17 this class of an employee a 5 percent bump, and this class
18 of an employee a 2 percent bump, and what's my -- what's
19 my cost going to be for that?

20 SUPERVISING PENSION ACTUARY WORGAN: That's
21 definitely not in version 1. It may not show up until
22 version 3 or 4. But it gets back into our valuation
23 system to be able to drill down into these different
24 groups. And that's the problem we have. You'll see that
25 the assumptions we allow you to play with right now is

1 just discount rate.

2 But things like payroll and inflation, we're
3 hoping to get into version 2 based on some of the
4 sensitivity work we do. But it gets a little more
5 complicated to start drilling down into specific groups to
6 say, hey, these guys are going to get a 4 percent pay
7 increase, what is that going to do to my accrued
8 liability? But --

9 COMMITTEE MEMBER PEREZ: That would be -- that
10 would be helpful to both sides --

11 SUPERVISING PENSION ACTUARY WORGAN: Yes.

12 COMMITTEE MEMBER PEREZ: -- because -- well, just
13 fact -- just strictly factual numbers. And then --

14 CHIEF ACTUARY TERANDO: Right. Well, part of the
15 goal is, as we roll it out to employers and individuals,
16 we'll get their feedback and suggestions. And as Kerry
17 mentioned, this is an ongoing. It's not like it comes out
18 and then we don't change it, that we -- I'll say
19 enhancements, additional changes, as this -- as we go
20 forward. So any suggestions, comments, or changes, we'll
21 take and we'll process them and see if we can include
22 those in future versions.

23 COMMITTEE MEMBER PEREZ: Yeah. I think this kind
24 of information would streamline negotiations for both
25 sides.

1 CHAIRPERSON TAYLOR: Maybe.

2 COMMITTEE MEMBER PEREZ: Will it -- so in
3 versions 6, 3, whatever, will that include the employee
4 contribution?

5 SUPERVISING PENSION ACTUARY WORGAN: You mean in
6 terms of cost sharing, things like that?

7 COMMITTEE MEMBER PEREZ: Um-hmm.

8 SUPERVISING PENSION ACTUARY WORGAN: Again,
9 there's things that we can put on the table in terms of
10 what possible enhancements can we make and how can we do
11 it effectively, given that there's, you know, 3,000 plans
12 out there? I think that's the challenge as we start to
13 pool them.

14 COMMITTEE MEMBER PEREZ: I know it's a lot of
15 work, but you guys opened the -- you guys opened Pandora's
16 Box.

17 (Laughter.)

18 COMMITTEE MEMBER PEREZ: And is there a way in
19 the -- for the employee -- for everybody then to show --
20 maybe do some free marketing for us to show what the
21 pre-funded -- pre-funded trust would be -- if we were to
22 put money into the pre-funded trust as opposed to paying
23 it down, could we do another line saying, hey, if you guys
24 did this, and that meant this kind of return, what would
25 that look like?

1 SUPERVISING PENSION ACTUARY WORGAN: I think
2 that's a possibility. Again, there's all kinds of
3 enhancements that we can make to the system. And we
4 started with the ADP, because it goes directly into the
5 plan. The 115 trust we know sits outside the plan and
6 those are assets that it can use to fund contributions.
7 It's possible that we can model some of that stuff as well
8 and we can work with Arnita's group to incorporate some of
9 that into the model as well. But again, version 2 or 3.

10 COMMITTEE MEMBER PEREZ: And then for -- to
11 answer the earlier questions, when we -- when the system
12 spits out the plan A, B, C, whatever, can we always have a
13 default that there will always be the actual PERS numbers
14 first, and then, you know, their plans?

15 SUPERVISING PENSION ACTUARY WORGAN: Yeah. When
16 they open up the tool, it defaults to our baseline. And
17 when you reset it anything, it defaults back to baseline.
18 So the baseline is always there. And again, we keep
19 reinforcing that the baseline is our best expectation
20 based on the valuation report and that's our plan A.

21 COMMITTEE MEMBER PEREZ: Yeah, but you guys are
22 the best, so that's the numbers that we want.

23 (Laughter.)

24 COMMITTEE MEMBER PEREZ: So even when they spit
25 out the numbers for the spreadsheets for their

1 presentations, if we could make them get that information,
2 and then they have to make a conscious choice to say we're
3 not going to --

4 SUPERVISING PENSION ACTUARY WORGAN: Yeah. It's
5 already on the budget tool right now. The baseline is
6 always there. So they'll see the baseline numbers and
7 then the scenario that they've chosen.

8 COMMITTEE MEMBER PEREZ: Okay.

9 SUPERVISING PENSION ACTUARY WORGAN: So they'll
10 always, from the budget page, get the comparison, so
11 everything is kind of compared to both baseline and
12 whatever they've modeled.

13 COMMITTEE MEMBER PEREZ: Perfect. Thank you.

14 And then lastly, maybe on each of those little
15 spreadsheets that they spit out, we can do that
16 disclaimer, that warning.

17 SUPERVISING PENSION ACTUARY WORGAN: That's a
18 good point. Definitely wouldn't -- when we download the
19 information, we want to make sure that these are
20 projections based on input that you've put into the
21 system. The baseline is based on the valuation reports as
22 of 6/30/18, and that would be a good point to do for the
23 download.

24 COMMITTEE MEMBER PEREZ: I never would have
25 thought that this kind of stuff makes me excited.

1 (Laughter.)

2 COMMITTEE MEMBER PEREZ: But you boys did a good
3 job. Thank you very much.

4 (Laughter.)

5 CHAIRPERSON TAYLOR: Thank you.

6 Ms. Paquin.

7 ACTING COMMITTEE MEMBER PAQUIN: Thank you, Madam
8 Chair.

9 This is a wonderful tool. And I think it's going
10 to be so useful for a lot of different groups. And I do
11 like the concept of putting the disclaimer on the Excel
12 sheet when you have out the results.

13 I'm just curious. I know that this hasn't been
14 broadly released to employers, but did you have a core
15 group that was helping you test this along the way?

16 SUPERVISING PENSION ACTUARY WORGAN: We did. We
17 introduced 10 agencies with -- working with the League of
18 Cities. We sat down and did the demo, listened to their
19 feedback, listened to things that they requested that -- a
20 lot from the budgeting side actually that they wanted to
21 see a lot more. We had provided I think 5 years
22 initially. They wanted go at least 7. So whatever ramps
23 were in place were fully vetted.

24 And took a lot of their feedback. It was a good
25 discussion. And a lot of the things that they introduced

1 had been reflected as part of the -- I mean, I'm not going
2 to say it's the final, but it's final version 1.

3 But again, we're always listening, and we want to
4 know what more can we do to make this a better tool? So
5 we're looking for enhancements both from agencies and
6 yourselves as Board members as what more do you want to
7 see from this? What kind of metrics are you concerned
8 about? What kind of planning should we, you know, help
9 you -- help you do?

10 ACTING COMMITTEE MEMBER PAQUIN: And I appreciate
11 the back and forth, and the feedback, and your willingness
12 to Incorporate that. I'm just curious going forward, will
13 there be a formal process for users to give you feedback
14 or are you just expecting them to email you, call you?

15 SUPERVISING PENSION ACTUARY WORGAN: Well, we are
16 running a session at the Ed Forum, introducing it again to
17 all the agencies. Just as a caution, it's only available
18 right now to non-pool plans. So we're already getting
19 some pushback from these pooled agencies that, you know,
20 we want to have a tool as well.

21 So we are still working on getting a possible
22 pooled version of this plan. We will do some
23 demonstrations. We will also be encouraging them to give
24 us feedback, yeah, if they want to see more information,
25 enhancements, fine-tune things.

1 I mean, we've given them certain parameters.
2 You'll notice that the discount rate goes from 6 to 8
3 percent and we feel comfortable showing those kind of
4 ranges. But the PEPRA, maybe they want to lower the PEPRA
5 or make it a number that they want to introduce. Maybe
6 they want to use 12 years. Things like that that we can
7 possibly change and incorporate. We're willing to work
8 with them to make this again a better tool for everybody
9 to use.

10 ACTING COMMITTEE MEMBER PAQUIN: And last
11 question is will you have the capability to track which
12 agencies are actually using this tool. And I ask that,
13 because if you start to see that maybe there's a group
14 that someplace is not using it, would you consider doing
15 outreach to them and explaining what they could benefit by
16 using this?

17 SUPERVISING PENSION ACTUARY WORGAN: That's a
18 good question. I don't think we're actually tracking
19 who's going to be using it. My expectation is that we'd
20 probably -- I mean, and we always encourage -- as
21 actuaries we encourage our finance directors to reach out
22 to us at least once a year to talk about what's going on.

23 This is another tool that we can say, hey, if you
24 have any questions using the tool, you know, you can reach
25 out to us, and we can help you, and do some planning.

1 Make sure that you are putting reasonable scenarios in
2 play, and to have more of a dialogue around, you know, the
3 path forward.

4 Because ultimately that's our concern is to make
5 the system sustainable, is the path forward. Are you guys
6 going to run into issues and troubles? You need to know
7 sooner rather than later. So I think anything that we can
8 do to encourage some dialogue with our agencies is a good
9 thing.

10 ACTING COMMITTEE MEMBER PAQUIN: Okay. Great.

11 Thank you

12 CHAIRPERSON TAYLOR: Thank you.

13 Ms. Middleton.

14 BOARD MEMBER MIDDLETON: Okay. Thank you.

15 Again, this is a fabulous tool. I wish we had
16 had it every year that we've done budgets. So I know that
17 in every city this is going to be enthusiastically
18 appreciated.

19 A couple of questions. You're going to roll this
20 out at the Educational Forum in October to all of the
21 cities. We won't have absolutely everyone there. Is it
22 live now or is there a date you're going to turn this on
23 to any city?

24 SUPERVISING PENSION ACTUARY WORGAN: Well, you
25 can see that it's still in a test environment, so we are

1 still doing a little bit of testing. There's still some
2 little bugs and tweaks that we're trying to make sure it's
3 100 percent solid by the time it goes out in October.

4 As Scott said, there is an Insight version -- the
5 Board view of this --

6 BOARD MEMBER MIDDLETON: Um-hmm.

7 SUPERVISING PENSION ACTUARY WORGAN: -- that we
8 expect is probably going to be ready in a week or two.
9 And you guys will be able to play with it and look at some
10 of the numbers.

11 Not only can you look at any plan, but you can
12 look at any of the State plans, which -- or schools that
13 are the big plans. So the expectation again is to make it
14 available once it's fully vetted, and checked, and 100
15 percent ready, for -- and again we think comfortably that
16 we can reach the Ed Forum and have this ready to go.

17 BOARD MEMBER MIDDLETON: So we're looking at next
18 week or so that those of us on the Board will have an
19 opportunity to go live with it. Is it approximately
20 November 1 that all of the municipalities will have it, is
21 that reasonable?

22 SUPERVISING PENSION ACTUARY WORGAN: I think
23 that's the goal, yeah.

24 BOARD MEMBER MIDDLETON: Okay. And I want to
25 applaud you for making a decision to post this to the

1 website, which is -- am I understanding it correctly,
2 anyone then would be able to go to the website, plug in a
3 city, and start coming up with a calculation.

4 SUPERVISING PENSION ACTUARY WORGAN: Yes.

5 BOARD MEMBER MIDDLETON: And that includes all of
6 the media, all of the labor organizations, everyone?

7 SUPERVISING PENSION ACTUARY WORGAN: For better
8 or for worse.

9 BOARD MEMBER MIDDLETON: You know, if we can get
10 agreement as to what the actual numbers are, it makes all
11 of the other discussions go so much easier, so I think
12 this is a fabulous tool.

13 When do you expect to be live on the website?

14 CHIEF ACTUARY TERANDO: I don't have a firm date
15 on that. I think it really depends on how quickly we can
16 get it finalized. As you can see, it's a test
17 environment. It's taking a little bit longer than we
18 would prefer it to take. Once we get the speed up, we
19 want to give it out to employers, roll it out to them, and
20 then very soon afterwards make it available to everyone at
21 that point.

22 CHIEF EXECUTIVE OFFICER FROST: Yeah. And, Ms.
23 Middleton, one of the factors that we would look at is
24 what's the level of support needed from the actuaries to
25 support the employers and others who are using it sooner.

1 BOARD MEMBER MIDDLETON: Okay.

2 CHIEF EXECUTIVE OFFICER FROST: And then once
3 they have good handle on that, that would then determine
4 the rollout.

5 BOARD MEMBER MIDDLETON: That makes perfect
6 sense. How much time and work has gone into doing this?

7 SUPERVISING PENSION ACTUARY WORGAN: Well, it's
8 an interesting story, because this started with one
9 question from an agency probably about 9 years ago now.
10 And a good friend from Newport Beach asked, you know,
11 what's the projected UAL in 30 years?

12 So that kind of started the ball rolling and then
13 we were projecting 30 years for an agency and other
14 questions that evolved. So it's -- it has -- a
15 spreadsheet has evolved over basically the ast 9 years.

16 This model itself was then put together over a
17 couple weekends to take all that information and blow it
18 up for the whole system, which is I think the key is to be
19 able to show -- model the whole PERF. And you'll see that
20 in the Board view is that we can now model the whole
21 system to see the impacts, but -- so there's a bunch of
22 time, but it's little bits and pieces along the way based
23 on questions from the agencies.

24 BOARD MEMBER MIDDLETON: All right. I have one
25 question. I see the -- on the report, cost over 30 years.

1 Does the report break down those costs for each year, so
2 that if I'm looking at I'm going to be out \$300 million
3 over the course of the next 30 years, can I track how many
4 -- how much money each year you are projecting to be due?

5 SUPERVISING PENSION ACTUARY WORGAN: That's a
6 good question. I mean all that -- all those numbers are
7 there.

8 BOARD MEMBER MIDDLETON: Um-hmm.

9 SUPERVISING PENSION ACTUARY WORGAN: And within
10 the budget, you can see the next 7. But I think when I
11 was talking to Tim's crew is that they could download all
12 30 years when they're doing the download, so you get year
13 by year for the next 30 years for both plans.

14 BOARD MEMBER MIDDLETON: I knew from a budgetary
15 standpoint that's the data that we're going to be looking
16 at, most particularly on a city council if we're trying to
17 make a decision as to whether or not to make an additional
18 discretionary payment, it is what's that impact going to
19 be both in the near term and the long term that is going
20 to be probably driving that decision.

21 SUPERVISING PENSION ACTUARY WORGAN: Well, that's
22 a good comment to make. And I think we can incorporate
23 that as part of our download.

24 CHIEF ACTUARY TERANDO: Yeah. And like I said,
25 when we get it out to the Board view, you -- I'd encourage

1 you to take a look at it. And if it's -- something is not
2 there that we might be able to get before the employer
3 version gets out, please let us know.

4 BOARD MEMBER MIDDLETON: All right. Last. For
5 my colleagues, most municipalities have been spending a
6 fair amount of money going to consultants to get the data
7 that we're now going to be able to get here. And not only
8 is this a tremendous tool for all of us, there's
9 potentially some savings for all of us in terms of not
10 requiring as much consultant work and having a much more
11 standardized approach.

12 So congratulations and thank you.

13 SUPERVISING PENSION ACTUARY WORGAN: Thank you.

14 CHAIRPERSON TAYLOR: All right. Mr. Miller.

15 VICE CHAIRPERSON MILLER: Yeah. Thank you. I
16 would echo everyone's comments about how exciting this is.
17 And I think it really shows responsiveness to our
18 stakeholders, to everyone's needs, but I think it also --
19 although it's going to require some support, I kind of
20 almost view it as giving everyone access kind of to
21 something of an expert system that can also reduce the
22 internal need for us and for -- we have much more
23 efficient and streamlined communications.

24 This capability and sharing this with
25 stakeholders I think, rather than having all these one-off

1 conversations, and calculations, and consultants, and all
2 this, just moves everyone a step toward having their needs
3 met in a much more systematic, effective way. So the
4 efficiency factor is not lost on me either.

5 I did have a couple little things on the whole
6 idea of the disclaimer. In my experience, the more
7 comprehensive and bigger the disclaimer is, the more
8 quickly -- and you can track it empirically, that people
9 get to the bottom and click on it without reading it.

10 And so I would have -- a couple things that have
11 helped in projects that I've been involved in with those
12 kind of things, one, terms and conditions, not just a
13 disclaimer, not just an acknowledgement that I realized
14 this is, you know -- you know, not handed from the clouds
15 with a loud voice and thunder. And so any terms or
16 conditions related to reproduction or attribution, any
17 kind of recapitulation of that within individual pieces,
18 like the spreadsheet or something, so -- and if you have
19 more than one thing in there, so if you have a little bit
20 about reproduction, if you have a bit about acknowledging
21 that these are projections, acknowledging sources,
22 whatever, that if you have your disclaimer with a couple
23 of those little check this, check this, check this before
24 you can check this, it's slows people down. And then you
25 don't have to reproduce the entire disclaimer on other

1 pieces, if all that's important for a spreadsheet or
2 something is the acknowledgement of the source material or
3 whatever.

4 So just a couple things. And I'm sure you've
5 probably already been thinking about, and that Legal is
6 thinking about, but -- that I found helpful, because
7 they've kept me from just going click. I want to get to
8 the good stuff. I -- you know, everybody sees those on a
9 lot of things. And more and more, people just look
10 where's the box I click to get to the stuff I want to see.

11 But again, thank you. Just great stuff.

12 CHAIRPERSON TAYLOR: Thank you.

13 Ms. Olivares.

14 BOARD MEMBER OLIVARES: Thank you. This is an
15 interesting tool. So I want to echo Mr. Miller and Ms.
16 Pasquin's comments too. It would be great to have some
17 type of disclaimer that says this is for informational
18 purposes only, some type of active attestation, they're
19 checking a box, and then when they're printing it out, it
20 shows.

21 I wondered if we could get a product roadmap,
22 which shows the features, and maybe on no more than like a
23 quarterly basis, right, so 2019, Q4 this is what we
24 expect, Q1 2020? Especially, as this goes out, again very
25 exciting, I think there's going to be a lot of requests

1 for additional features and functionality. And that takes
2 time, right?

3 CHIEF ACTUARY TERANDO: Correct.

4 BOARD MEMBER OLIVARES: So that would help us
5 manage expectations, and cost, and understand what
6 resources are needed going forward.

7 SUPERVISING PENSION ACTUARY WORGAN: Good.
8 Thanks. Good comments.

9 CHAIRPERSON TAYLOR: All right. Seeing no other
10 requests to speak.

11 Let's move on -- thank you very much for your
12 presentation. Let's move on, Mr. Cohen, to summary of
13 committee direction.

14 CHIEF FINANCIAL OFFICER COHEN: Yes. Thank you,
15 Chair. Two items. First is providing on the Social
16 Security fee some follow-up analysis on the nexus.

17 And the second from the conversation we just had,
18 the most immediate work will be on the disclaimer kind of
19 discussion, and then obviously there's lots of long-term
20 changes we'll be looking at. And we'll certainly keep the
21 Board informed on the tools and look forward to your
22 feedback. As you are out there talking to your
23 stakeholder interest groups, I'm sure you'll get a lot of
24 feedback as well. So we'll look forward to that.

25 CHAIRPERSON TAYLOR: All right. Thank you.

1 Thank you.

2 So I have no requests for public comment.

3 So this Committee is adjourned.

4 (Thereupon the California Public Employees'
5 Retirement System, Board of Administration,
6 Finance & Administration Committee meeting
7 adjourned at 10:03 a.m.)

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C E R T I F I C A T E O F R E P O R T E R

I, JAMES F. PETERS, a Certified Shorthand Reporter of the State of California, do hereby certify:

That I am a disinterested person herein; that the foregoing California Public Employees' Retirement System, Board of Administration, Finance & Administration Committee meeting was reported in shorthand by me, James F. Peters, a Certified Shorthand Reporter of the State of California;

That the said proceedings was taken before me, in shorthand writing, and was thereafter transcribed, under my direction, by computer-assisted transcription.

I further certify that I am not of counsel or attorney for any of the parties to said meeting nor in any way interested in the outcome of said meeting.

IN WITNESS WHEREOF, I have hereunto set my hand this 21st day of September, 2019.

JAMES F. PETERS, CSR
Certified Shorthand Reporter
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