

VIDEOCONFERENCE MEETING  
STATE OF CALIFORNIA  
PUBLIC EMPLOYEES' RETIREMENT SYSTEM  
BOARD OF ADMINISTRATION  
INVESTMENT COMMITTEE  
OPEN SESSION

ROBERT F. CARLSON AUDITORIUM  
LINCOLN PLAZA NORTH  
400 P STREET  
SACRAMENTO, CALIFORNIA

MONDAY, SEPTEMBER 14, 2020  
9:50 A.M.

JAMES F. PETERS, CSR  
CERTIFIED SHORTHAND REPORTER  
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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

Mr. Rob Feckner

Mr. Henry Jones

Ms. Lisa Middleton

Ms. Stacie Olivares

Mr. Jason Perez

Mr. Ramon Rubalcava

Ms. Betty Yee, also represented by Ms. Lynn Paquin

BOARD MEMBERS:

Mr. Margaret Brown

Ms. Fiona Ma, represented by Mr. Frank Ruffino

Ms. Eraina Ortega

Ms. Shawnda Westly

STAFF:

Ms. Marcie Frost, Chief Executive Officer

Mr. Dan Bienvenue, Interim Chief Investment Officer

Mr. Matt Jacobs, General Counsel

Mr. Eric Baggesen, Managing Investment Director

Mr. Steve Carden, Investment Director

Ms. Sarah Corr, Managing Investment Director

Ms. Kit Crocker, Investment Director

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

STAFF:

Mr. Kelly Fox, Chief, Stakeholder Relations

Ms. Pam Hopper, Committee Secretary

Ms. Jean Hsu, Interim Managing Investment Director

Ms. Kristin LaMantia, Assistant Division Chief, Enterprise Strategy & Performance Division

Mr. Arnie Phillips, Interim Deputy Chief Investment Officer

Ms. Lauren Rosborough Watt, Investment Director

Ms. Christine Reese, Investment Director

Mr. Greg Ruiz, Managing Investment Director

ALSO PRESENT:

Mr. Tim Behrens, California State Retirees

Mr. Al Darby, Retired Public Employees Association

Ms. Miriam Eide, Fossil Free California

Ms. Sandy Emerson, Fossil Free California

Ms. Christy Fields, Meketa Investment Group

Mr. Eddie Gadomski

Ms. Alyssa Giachino, Private Equity Stakeholder Project

Dr. Robert Girling, California State University

Dr. Robert Gould, San Francisco Bay Physicians for Social Responsibility

Mr. Dave Hannon, Connecticut Healthcare Associates,  
District 1199

Mr. Steve Hartt, Meketa Investment Group

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

ALSO PRESENT:

Mr. Woody Hastings, Climate Center

Ms. Nancy Ihara

Mr. J.J. Jelincic

Ms. Cynthia Kaufman, Fossil Free California

Mr. Ferris Kavar, Fossil Free California

Mr. Steve Schrig, Private Equity Stakeholder Project

Mr. Todd Snyder

Mr. David Soares

Ms. Dana Stokes, Fossil Free California

Mr. Patrice Sutton, San Francisco Bay Physicians for  
Social Responsibility

Ms. Sarah Theiss, Fossil Free California

Ms. Sheila Thorne, California Faculty Association, Fossil  
Free California

Mr. Tom Toth, Wilshire Consulting

Mr. Larry Woodson, California State Retirees

I N D E X

	PAGE
1. Call to Order and Roll Call	1
2. Approval of the September 14, 2020 Investment Committee Timed Agenda	2
3. Executive Report – Interim Chief Investment Officer Briefing – Dan Bienvenue	3
4. Action Consent Item – Dan Bienvenue	6
a. Approval of the June 15, 2020 Investment Committee Open Session Meeting Minutes	
5. Information Consent Items – Dan Bienvenue	8
a. Annual Calendar Review	
b. Draft Agenda for the Next Investment Committee Meeting	
c. Quarterly Update – Performance and Risk	
d. Quarterly Update – Investment Controls	8
e. Disclosure of Placement Agent Fees and Material Violations	
6. Information Agenda Items – Total Fund	
a. CalPERS Trust Level Review and Annual Program Reviews – Dan Bienvenue, Eric Baggesen, Steve Carden, Arnie Phillips, Jean Hsu, Greg Ruiz, Sarah Corr	20
b. CalPERS Trust Level Review and Annual Program Reviews – Consultant Report – Tom Toth, Wilshire Associates; Steve Hartt, Christy Fields, Meketa Investment Group	199
c. Review of Survey Results of Board Investment Consultants – Kristin LaMantia	260
d. Long Term Care: Asset Allocation – Don Moulds, Eric Baggesen, and Christine Reese	284
7. Summary of Committee Direction – Dan Bienvenue	284
8. Public Comment	286
Adjournment	315
Reporter's Certificate	316

## P R O C E E D I N G S

1  
2 CHAIRPERSON TAYLOR: I call the Investment  
3 Committee to order. And our first order of business is  
4 roll call.

5 Ms. Hopper.

6 COMMITTEE SECRETARY HOPPER: Theresa Taylor?

7 CHAIRPERSON TAYLOR: Here.

8 COMMITTEE SECRETARY HOPPER: Rob Feckner?

9 COMMITTEE MEMBER FECKNER: Good morning.

10 COMMITTEE SECRETARY HOPPER: Henry Jones?

11 COMMITTEE MEMBER JONES: Here.

12 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

13 COMMITTEE MEMBER MIDDLETON: Present.

14 COMMITTEE SECRETARY HOPPER: David Miller?

15 VICE CHAIRPERSON MILLER: Here.

16 COMMITTEE SECRETARY HOPPER: Stacie Olivares?

17 Madam Chair, I don't think she's checked in yet.

18 Jason Perez?

19 COMMITTEE MEMBER PEREZ: Here.

20 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

21 COMMITTEE MEMBER RUBALCAVA: Present.

22 COMMITTEE SECRETARY HOPPER: Betty Yee?

23 COMMITTEE MEMBER YEE: Here.

24 COMMITTEE SECRETARY HOPPER: Madam Chair, the  
25 only one I do not show in attendance as of yet is Stacie

1 Olivares.

2 CHAIRPERSON TAYLOR: Okay. I'm going to  
3 assume -- can we check on her and see if she's getting  
4 on --

5 COMMITTEE SECRETARY HOPPER: We will.

6 CHAIRPERSON TAYLOR: -- and then -- Okay. Thank  
7 you. And we can move on. We still have a quorum.

8 Next, is the approval of the September 14th, 2020  
9 Investment Committee timed agenda. I need a motion.

10 COMMITTEE MEMBER JONES: Move it.

11 CHAIRPERSON TAYLOR: Moved by Mr. Jones.

12 VICE CHAIRPERSON MILLER: Second it.

13 CHAIRPERSON TAYLOR: Seconded by Mr. Miller.

14 All those in favor, Ms. Hopper?

15 COMMITTEE SECRETARY HOPPER: Rob Feckner?

16 COMMITTEE MEMBER FECKNER: Aye.

17 COMMITTEE SECRETARY HOPPER: Henry Jones?

18 COMMITTEE MEMBER JONES: Aye.

19 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

20 COMMITTEE MEMBER MIDDLETON: Aye.

21 COMMITTEE SECRETARY HOPPER: David Miller?

22 VICE CHAIRPERSON MILLER: Aye.

23 COMMITTEE SECRETARY HOPPER: Jason Perez?

24 COMMITTEE MEMBER PEREZ: Aye.

25 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

1 COMMITTEE MEMBER RUBALCAVA: Aye.

2 COMMITTEE SECRETARY HOPPER: Betty Yee?

3 COMMITTEE MEMBER YEE: Aye.

4 COMMITTEE SECRETARY HOPPER: All ayes, Madam  
5 Chair. Absent right is still Stacie Olivares.

6 CHAIRPERSON TAYLOR: Okay. So then we will move  
7 on for now to our Executive Report with Dan Bienvenue.

8 Go ahead, Dan.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

10 Thank you. Good morning, Madam Chair, members of  
11 the Investment Committee and Board. I'm Dan Bienvenue,  
12 your Interim Chief Investment Officer and it's a pleasure  
13 to be with you here this morning. Before we dive into  
14 today's agenda, I really just want to take a second to  
15 express my personal gratitude to the entire investment  
16 team, to Marcie and members of the executive team, and to  
17 yourselves, the Board, for the support I've received. You  
18 know, that support has certainly been over my career, but  
19 especially this last month as I've taken on the Interim  
20 CIO hat. It's certainly been a transition and it's only  
21 with this ongoing support and teamwork that we'll navigate  
22 our challenges together. So I just wanted to take a  
23 moment to express my deep gratitude to -- really to  
24 everybody.

25 I also want to specifically thank Arnie Phillips



1 for agreeing to step into the Deputy -- the Interim Deputy  
2 CIO role. I can attest that that too is a lot to take on  
3 at first, so I really appreciate his energy and effort,  
4 his commitment to the organization, as well as the  
5 commitment of his team, both in global fixed income, and  
6 everybody under Arnie's leadership, for everything that  
7 they're doing to take on more to leverage Arnie.

8 We have a really strong team of investment  
9 professionals working very hard and pulling together every  
10 day. And I'm proud of the team-oriented culture that  
11 we've built. I consistently see displays of this one  
12 team, one fund evolution, and all of the support that  
13 helps Arnie, and all of the support and help that Arnie  
14 and I have received really is just another demonstration  
15 of this -- of this team work.

16 And so as a team, we're continuing to execute on  
17 the strategy that you, the Board, have adopted, even as  
18 the pandemic endures, with priority number one, of course,  
19 being the health and safety of our team members, but  
20 immediately followed by the priority of managing the  
21 portfolio through the ongoing market volatility, all the  
22 while positioning the portfolio for current and future  
23 return generation.

24 So that takes me to today's agenda. We'll start  
25 with the -- the usual action and information consent

1 items, of course, and then quickly move on to the meat of  
2 the agenda, which is Item 6. 6a is the semiannual trust  
3 level review and the annual program reviews of the various  
4 asset classes. And this is a critical item. We'll take a  
5 holistic look at the portfolio and the business model of  
6 the Investment Office.

7 We'll then move down into the various asset  
8 classes, covering implementation strategies, performance,  
9 accomplishments, and forward-looking initiatives, with the  
10 idea of facilitating your oversight roll over the entire  
11 functioning of the Investment Office and the entire  
12 portfolio.

13 From there, we'll move on to 6b, where you'll  
14 hear from your investment consultants, Wilshire and  
15 Meketa, as they provide their thoughts on the Investment  
16 Office and the portfolio.

17 That then transitions nicely to 6C, where our  
18 teammates in the Enterprise Strategic Planning Division  
19 will cover the results of the survey of the Board  
20 investment consultants.

21 Then the final item under number 6 is an  
22 information item on our plan to review the asset  
23 allocation, of the Long-Term Care Trust. Don Moulds, our  
24 Chief Health Director will join us for that item. Then  
25 he, Eric Baggesen, and Christine Reese will walk you

1 through the plan.

2 From there we'll transition into closed session  
3 where we'll be able to cover any topics that we weren't  
4 able to cover in open.

5 And with that, Madam Chair, I'll turn it back to  
6 you

7 CHAIRPERSON TAYLOR: All right. Thank you, Mr.  
8 Bienvenue. So I just wanted Pam to note that Ms. Olivares  
9 is here now. And we can move on to our action consent  
10 items. And I need a motion.

11 VICE CHAIRPERSON MILLER: So moved.

12 COMMITTEE MEMBER PEREZ: I have a question on 5d.

13 COMMITTEE MEMBER FECKNER: Second.

14 CHAIRPERSON TAYLOR: Okay. So I've got a motion  
15 by Mr. Miller seconded by Mr. Feckner.

16 CHAIRPERSON TAYLOR: Mr. Perez, go ahead.

17 COMMITTEE MEMBER PEREZ: On 5d?

18 CHAIRPERSON TAYLOR: Yes.

19 COMMITTEE MEMBER PEREZ: Let me go back to my  
20 notes. Sorry.

21 COMMITTEE SECRETARY HOPPER: Madam Chair, this is  
22 Pam.

23 CHAIRPERSON TAYLOR: Yes.

24 COMMITTEE SECRETARY HOPPER: We do need to take a  
25 roll call vote on approval of the minutes.

1 CHAIRPERSON TAYLOR: Yeah, that's what -- oh, I'm  
2 sorry, he's 5d. We're still on 4. My bad. Let's go --  
3 do a roll call vote on the action consent item that we  
4 have a motion by Mr. Miller, a second by Mr. Feckner. All  
5 those in favor? And, Ms. Hopper, go ahead.

6 COMMITTEE SECRETARY HOPPER: Rob Feckner?

7 COMMITTEE MEMBER FECKNER: Aye.

8 COMMITTEE SECRETARY HOPPER: Henry Jones?

9 Henry Jones?

10 COMMITTEE MEMBER JONES: Aye.

11 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

12 COMMITTEE MEMBER MIDDLETON: Aye.

13 COMMITTEE SECRETARY HOPPER: David Miller?

14 VICE CHAIRPERSON MILLER: Aye.

15 COMMITTEE SECRETARY HOPPER: Stacie Olivares?

16 COMMITTEE MEMBER OLIVARES: Aye.

17 COMMITTEE SECRETARY HOPPER: Jason Perez?

18 COMMITTEE MEMBER PEREZ: Aye.

19 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

20 COMMITTEE MEMBER RUBALCAVA: Aye.

21 COMMITTEE SECRETARY HOPPER: Betty Yee?

22 COMMITTEE MEMBER YEE: Aye.

23 COMMITTEE SECRETARY HOPPER: Madam Chair, we have  
24 all ayes. David Miller making the motion, Rob Feckner  
25 seconding.

1 CHAIRPERSON TAYLOR: Thank you. Motion passes.  
2 Action consent item passed.

3 We're on information consent items. As I  
4 understand it, Mr. Perez wants to pull 5d. I would  
5 like to go ahead and talk about that, otherwise everything  
6 is information consent.

7 So go head, Mr. Perez.

8 Jason?

9 There you are.

10 COMMITTEE MEMBER PEREZ: Sorry. 5d?

11 CHAIRPERSON TAYLOR: Yes, sir.

12 COMMITTEE MEMBER PEREZ: On -- so the pol -- on  
13 page seven, the policy exemptions, we don't have any --  
14 the graph is empty. I'm using Insight too, by the way.

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.  
16 Correct, Mr. Perez, that's based on the refection that we  
17 did not have any -- any policy violations during -- or  
18 policy exceptions during that period.

19 COMMITTEE MEMBER PEREZ: Okay. And then on page  
20 18, what's the difference --

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And  
22 I'm sorry, Mr. Perez, page -- page 18 of which -- of which  
23 attachment?

24 COMMITTEE MEMBER PEREZ: 5d.

25 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

1 Attachment 5d.

2 COMMITTEE MEMBER PEREZ: Attachment 1, sorry.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

4 Okay. 5d. Okay.

5 COMMITTEE MEMBER PEREZ: On the right-hand side  
6 of the table, what's the difference between the exempts  
7 and known contractor. How does that system work?

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
9 right. I'm --

10 COMMITTEE MEMBER PEREZ: I'm sorry I didn't get  
11 you these earlier in the week.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: No,  
13 that's all right. And I'm sorry, we're talking about 5D,  
14 Attachment 1, page 18?

15 COMMITTEE MEMBER PEREZ: Yes, sir.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

17 Okay. And I'm sorry. The -- which -- I'm sorry,  
18 which -- which section is the question on? Sorry, Jason,  
19 I'm trying to catch up with you.

20 COMMITTEE MEMBER PEREZ: No problem. No problem.  
21 On the right-hand side of the column, there's selection,  
22 reasons, and notes. What's -- what's the difference  
23 between exempt and known contractor, exempt critical time  
24 frame, all that good stuff?

25 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: You

1 know, I would like to see -- I want to make sure I answer  
2 this accurately, so let me see if I can ask Kit Crocker to  
3 pull forward to answer that question. She has the answer.

4 Jared, can you please bring Kit Crocker into the  
5 presenter queue, please?

6 CONFERENCE MODERATOR: Yeah. She should be able  
7 to share her audio and video.

8 COMMITTEE MEMBER PEREZ: Sorry, man. I tried to  
9 get the questions to you guys earlier, but this was a long  
10 week.

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: No.  
12 No problem. I believe I know the answer, but I want to  
13 make sure you get the best answer, so let's see if we can  
14 get Kit to come forward and answer your question.

15 COMMITTEE MEMBER PEREZ: Thanks.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Kit,  
17 I see you, but I can't hear you. Are you -- are you  
18 there?

19 INVESTMENT DIRECTOR CROCKER: Sorry. I was  
20 double muted. If this is page 18, are we looking at the  
21 spring-fed pool contract status?

22 COMMITTEE MEMBER PEREZ: We are -- yes.

23 INVESTMENT DIRECTOR CROCKER: Okay. And the  
24 question is?

25 COMMITTEE MEMBER PEREZ: I don't understand how

1 the selections and the reasons with the notes, how does  
2 that work, exempts, and known contractor, so we don't have  
3 to go to RFP or -- or anything like that and I understand.  
4 But what's the difference between exempt and known  
5 contractor? And then --

6 INVESTMENT DIRECTOR CROCKER: And I think -- I  
7 think that known contractor is one of the categories of  
8 exemptions. But, you know, I hate to say, I'm not -- I'm  
9 not able to explain those in any may detail than that.

10 COMMITTEE MEMBER PEREZ: Okay. So it's someone  
11 we've used before and have a good relationship with?

12 INVESTMENT DIRECTOR CROCKER: Yes, exactly.  
13 You're looking at Funston, for example, that certainly  
14 applies. And -- yes.

15 COMMITTEE MEMBER PEREZ: And what about the time  
16 exempts? There's -- I don't know if that's on 18.

17 INVESTMENT DIRECTOR CROCKER: The critical time  
18 frames, that one?

19 COMMITTEE MEMBER PEREZ: Yes, ma'am. Yeah.

20 INVESTMENT DIRECTOR CROCKER: And I think that  
21 just means there was -- there's an exemption if there  
22 isn't time to go to a full RFP. But you know what, I  
23 would -- I'd feel more comfortable getting you an answer  
24 from people who are more expert at this than I am. So if  
25 we could get you that, you know, follow up with that



1 information.

2 COMMITTEE MEMBER PEREZ: Yeah, for sure. No  
3 problem.

4 INVESTMENT DIRECTOR CROCKER: Yeah.

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Mr.  
6 Perez, is there a specific one you have a question or just  
7 is that -- or just kind of general what the different  
8 labels mean?

9 COMMITTEE MEMBER PEREZ: No. No. Just general,  
10 what the difference -- you know, why -- why the -- why do  
11 we go -- have such a short time frame on that on the  
12 second one in that slide.

13 CHAIRPERSON TAYLOR: We had two.

14 COMMITTEE MEMBER PEREZ: Yeah.

15 CHAIRPERSON TAYLOR: Global equity.

16 Garland(inaudible)

17 COMMITTEE MEMBER PEREZ: Yeah. And then on 19  
18 the best practice -- so I see the exempt known contractor  
19 and the time exemption, but what's the -- is there a best  
20 practice exemption on slide 19?

21 INVESTMENT DIRECTOR CROCKER: Boy, I'm sorry.  
22 I'm going to have to get back -- get back to everybody on  
23 that, Dan.

24 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.  
25 Why don't we do that.

1           CHAIRPERSON TAYLOR:  If you could -- yeah.  If  
2 you guys could get back to all of that, that would be  
3 great.

4           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

5           Absolutely, we will.  So, you know, exempt  
6 basically means that we know that we got the contract  
7 through an exempt process.  And then the -- what follows  
8 it is the rationale.  But as far as, you know, exactly the  
9 specifics of the various rationale and then best practice,  
10 let us come back to you with a -- with a good solid  
11 answer.

12           COMMITTEE MEMBER PEREZ:  Okay.  Yeah.  That will  
13 help a lot.  And then on -- lastly on page 29.  The last  
14 sentence says there's no further action regarding any  
15 external investment resource or transaction required under  
16 the regulation.  But what about, you know, our internal  
17 best practice and policy?

18           INVESTMENT DIRECTOR CROCKER:  Okay.  And that I  
19 can respond to.  So this is -- this statement has to do  
20 with our compliance with a particular regulation, CCR 557.  
21 And we have -- it really is confined to that reg.  So it  
22 isn't intended to address more broadly any of our actions  
23 or -- we have -- frankly, as you probably are aware, we  
24 have many internal procedures relating to conflicts of  
25 interest.  And this page, and we can make it more clear

1 going forward, is simply intended to comply with section  
2 557.

3 COMMITTEE MEMBER PEREZ: Okay. Thank you.  
4 That's all I had

5 CHAIRPERSON TAYLOR: Okay. Thank you, Mr. Perez.  
6 Ms. Brown, 5b.

7 BOARD MEMBER BROWN: Thank you, Madam Chair.  
8 Dan, I have a question on -- and I'm on just Attachment 1  
9 of 5d, the items completed under delegated authority.  
10 There's a lot on here and maybe it's because it's for the  
11 quarter, but this looks like a lot of investments. And so  
12 I'm going to ask you about a couple of these. I was  
13 thinking though maybe in the future we could number these,  
14 just so I could refer to like line five or line six when I  
15 talk to you about these investments. That would be  
16 helpful.

17 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
18 Sure, Ms. Brown. And I'm sorry, Ms. Brown, can I  
19 just get what -- which page you're on, so I can make sure  
20 I'm following.

21 BOARD MEMBER BROWN: Two of 29. 5d, Attachment  
22 1, two of 29, that list of all the items under delegated  
23 authority. We have quite a few commitments and quite a  
24 few additional commitments. And I just wanted to ask you  
25 about them.

1 I see global equity, it looks like a \$4.2 billion  
2 commitment as an additional commitment. Is it an  
3 additional commitment? I'm just -- can you just explain  
4 to me what that is. I don't think I've ever seen  
5 something quite that large on this sheet. So I'm just  
6 wondering if I'm correct or what's going on with that?  
7 It's the fifth -- fifth one down.

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.  
9 Yeah. No, I see it.

10 BOARD MEMBER BROWN: Fourth. Fourth one down.  
11 Fourth one down.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.  
13 Thank you. I believe that is the reallocation from -- you  
14 know, as part of the benchmark rebalance, we move money  
15 from fixed income to global equity. And that is -- is  
16 into the global equity, the factor-weighted space.

17 BOARD MEMBER BROWN: Great. So we're just  
18 rebalancing for the quarter per our policy.

19 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
20 That's an internal rebalancing.

21 BOARD MEMBER BROWN: Excellent. I just -- we've  
22 never seen something quite that big, so -- I don't think.

23 All right. So two down from that, opportunistic  
24 strategies DISCO III. That's 500 million, right, half a  
25 billion? And so I looked up that investment. I read a

1 little bit about it. And this is distressed debt, right,  
2 or stressed debt? Can you tell me just a little bit about  
3 that investment?

4 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: You  
5 know what, this is another one, that I think Jean Hsu  
6 would be the right -- the right person to speak to. This  
7 is in that private debt space, but let me ask Jared, if  
8 you could please bring Jean Hsu forward to answer Ms.  
9 Brown's question, she'll -- she certainly knows it more  
10 intimately than me.

11 CONFERENCE MODERATOR: Okay. Jean, you should be  
12 able to share your audio and video.

13 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Hi.  
14 Can you hear me okay?

15 CHAIRPERSON TAYLOR: Yes, we can.

16 SENIOR LIFE ACTUARY HU: Hi, Margaret.

17 The PIMCO deal, it is a dislocation location.  
18 Will I say it is a distressed? I probably not, because  
19 usually in distress, you usually refer to like more of a  
20 corporate. For example, like a company who is doing  
21 really bad and then almost not able to function, so you --  
22 and it almost about to default, or has probably already  
23 defaulted. So you will say those are like stressed or  
24 distressed.

25 Usually, the bond of that type of company

1 originally would trade maybe the 90s or 100. And then in  
2 that stressed or distressed situation will trade down to  
3 \$0.30 or \$0.20 on the dollar. So those are more -- in  
4 general, we say they are more distressed in the corporate  
5 lens.

6 PIMCO is one is a little bit different. They are  
7 looking more in the structure for that area. For example,  
8 they will buy agency mortgages, which is government  
9 guaranteed, but they will be able to source it when the  
10 market has some stress -- the market itself has some  
11 stress, not the company, or the collateral has some  
12 stress.

13 For example, last time around, in the -- when the  
14 COVID first started, there are a lot of REITs. They are  
15 doing agency -- mortgage agency trades, but they have  
16 liquidity issues. So PIMCO will be able to come in in  
17 this situation and then buy things at a little bit cheaper  
18 dollar price. For example, they might be able to buy the  
19 par bonds at around like \$85 to \$90 price.

20 And then they will wait for that to pull back to  
21 par. And then that is more of this dislocation say. This  
22 is no intent like the corporate stressed or distressed.  
23 You will be, you know, distressed for trading or  
24 distressed for control. It is quite different.

25 BOARD MEMBER BROWN: Great. I just want to be

1 sure, because when I looked up this DISCO III, you know,  
2 Bloomberg tells about the found, it had stressed and  
3 distressed corporate. So I was a little concerned that  
4 we're doing that.

5 Great. So another question then.

6 INTERIM MANAGING INVESTMENT DIRECTOR HSU: They  
7 will have it. The will have it, but it is a smaller  
8 portion. PIMCO's main strength is like sourcing things,  
9 which is safer, but not to like if the \$0.20 that you're  
10 thinking about. It's more of in like the \$80, \$90 price.

11 BOARD MEMBER BROWN: Great then I have a couple  
12 questions on real assets. Thank you, Jean.

13 It looks likes we've got some --

14 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I'm  
15 sorry, Ms. Brown, I have a feeling that I'm going to need  
16 Sarah Corr for those questions, so why don't I ask Jared,  
17 can we please bring Sarah Corr forward, so that she can be  
18 prepared to answer Ms. Brown's questions.

19 CONFERENCE MODERATOR: Yes. Sarah should be able  
20 to share her audio and video.

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

22 Wonderful. Thank you.

23 All right. Ms. Brown, go ahead.

24 BOARD MEMBER BROWN: Thank you. Hi, Sarah. So  
25 the --

1           MANAGING INVESTMENT DIRECTOR CORR: Hello.

2           BOARD MEMBER BROWN: -- questions are with real  
3 assets, it looks like we have a new commitment to Pacific  
4 Urban Residential for a Multi-Family Investors, LLC. And  
5 then it looks like we have an additional commitment to the  
6 same fund. And so, first of all, why are we investing in  
7 multi-family? Are we thinking that's a good bet, and --  
8 considering what's going on with the economy. And then  
9 why do we sort of have a new commitment and then an  
10 additional commitment, it looks like, to the same fund,  
11 just questions about those two.

12           MANAGING INVESTMENT DIRECTOR CORR: Yeah. So  
13 that's a result of the annual investment process that real  
14 assets goes through. So every year, staff meets with our  
15 strategic managers and reviews their pipeline and we come  
16 up with an acquisition and disposition plan. And those  
17 get approved once a year in the May and June time frame.  
18 There can be some investments that were assigned, but not  
19 closed from the previous year's allocation. And so those  
20 get approved to rollover. So the new commitments -- the  
21 new commitments for 2021 and the additional commitment is  
22 the rollover from the allocation that was provided last  
23 year that's -- they have not finished the projects yet or  
24 they have not acquired the assets yet.

25           BOARD MEMBER BROWN: Okay. But it -- it is the



1 same investment, right, because it has the same date  
2 October 2013.

3 INVESTMENT DIRECTOR CORR: Yes.

4 BOARD MEMBER BROWN: Great. Yeah. And then  
5 one -- and then sort of point here, Dan, is when we put  
6 the name of the investment down, I want to make sure that  
7 we are very careful that these line up. So for some of us  
8 who are very nerdy and go through -- you know, I look at  
9 the name of the investment, and then I look at the  
10 partnership reports, and then I look at the CAFR, and  
11 sometimes they don't match up.

12 So I don't know if we pull these names from the  
13 PEARS system or what, but the name of the investment is  
14 pretty critical that it match, especially in private  
15 equity. And so I want to make sure we've got the same  
16 name going across. And I'll have a question later on  
17 about that with -- in Item 6, but I'm done.

18 Thank you.

19 CHAIRPERSON TAYLOR: All right. Thank you, Ms.  
20 Brown.

21 With that, I don't see anymore questions on  
22 information consent items, so we will move forward on  
23 Information Agenda items, Total Fund 6a.

24 And, Mr. Bienvenue.

25 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

1 All right. Terrific. Thank you, Madam Chair.

2 Jared, I think we can move Kit Crocker back to  
3 the attendee room. And then if we can move the other  
4 presenters forward into the presenter room. Let's bring  
5 in Lauren Rosborough-Watt, Eric Baggesen, Steve Carden. I  
6 think we've already got Jean and Sarah. And then if we  
7 could also please bring Greg Ruiz forward.

8 CONFERENCE MODERATOR: Okay. I think I got  
9 everybody. You should be able to share your audio and  
10 video.

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I  
12 don't see Lauren. Do we have Lauren? All right. I see  
13 Steve. I see Eric.

14 CONFERENCE MODERATOR: Okay. I just added Lauren  
15 in. She should be good to go.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
17 right. Terrific. Thanks, Jared.

18 Okay. So this item is our annual -- semiannual  
19 trust level review and annual program reviews. And it's  
20 really one of the most important items we'll have in front  
21 of the Committee this year. It looks at the entire  
22 portfolio and business model for both the PERF and the  
23 affiliates. And then it digs into each of the asset  
24 classes and how they're run.

25 It takes what had been seven disparate items

1 cross three meetings and then consolidates them into one  
2 cohesive total fund view. And we think this consolidation  
3 is a big improvement, because it really underscores our  
4 total fund perspective, as opposed to the siloed views  
5 presented historically.

6 (Thereupon an overhead presentation was  
7 presented as follows.)

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Now,  
9 the goal of this item is to provide the Committee with  
10 information about market conditions and the economic  
11 backdrop, about performance of various trusts, both the  
12 Public Employee Retirement Fund, or the PERF, but also the  
13 affiliates, an overview of asset classes to aid the  
14 Committee in your oversight role, and then some of the key  
15 business initiatives designed to support and enhance our  
16 investment program.

17 The item has four main parts. I'll kick us off  
18 here by reviewing some of the workaround strategy for the  
19 portfolio, as well as the business model that supports the  
20 management of the portfolio. From there, Lauren  
21 Rosborough-Watt will cover an economic and markets update.  
22 And then Lauren is followed by Eric Baggesen walking us  
23 through risk and performance for the total fund inclusive  
24 of the affiliates.

25 Then we'll dig into the various asset classes and

1 programs with the Managing Investment Director  
2 representative of each asset class or program providing an  
3 overview of their asset class, performance of class, key  
4 accomplishments, and then forward-looking initiatives.  
5 The goal is to deliver the context that previously had  
6 been covered in a disparate manner undermining the total  
7 fund perspective, and instead consolidate into one report  
8 that allows the Committee to thoroughly understand the  
9 whole portfolio and the whole business model and how they  
10 come together.

11 After all, it's the whole portfolio that pays the  
12 benefits. We'll also have plenty of time for questions,  
13 and we'll pause after each speaker to take any questions  
14 that you may have.

15 So with that let's get started.

16 Can I get the next slide, please?

17 --o0o--

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
19 right. On slide 2, you can see the Investment Office's  
20 mission and vision statements. These were creating an  
21 alignment with and to support the CalPERS enterprise  
22 mission and vision, and the 2017-2022 CalPERS strategic  
23 plan. Each part of CalPERS organization has a role in  
24 CalPERS mission. And the Investment Office's role, of  
25 course, is to manage the investments.

1           Through that lens, the Investment Office mission  
2 and vision statements were redesigned about a year ago and  
3 are intended to remind us, first, why we exist, the  
4 mission, but also how we're going to accomplish it, which  
5 is the vision.

6           And our mission was written as follows: "To  
7 manage the CalPERS investment portfolio in an efficient  
8 and risk-aware manner to generate returns to sustainably  
9 pay benefits". Now, risk-aware encompasses our Investment  
10 Beliefs that risk is multi-faceted and that we'll only  
11 take risk where we believe we'll be rewarded for it.

12           But it also underscores the fact that generating  
13 seven percent -- the seven percent assumed rate of return  
14 requires risk. So we want to make sure we're taking the  
15 prudent risks that we want to be taking.

16           And the word sustainably was also purposely added  
17 when we refreshed it last year in recognition of our  
18 virtually perpetual investment horizon, because our job is  
19 to generate returns for generations to come.

20           So the mission is the what and the vision is the  
21 how. And here, we wrote our vision statement to be as  
22 follows: "To work as one team with a culture of trust  
23 respect, and accountability to effectively manage one  
24 total fund".

25           Now, one team reflects our desired culture of

1 collaboration and team work. We all have different roles,  
2 but each role is critical in the management of the total  
3 portfolio and we work as a team to achieve the mission.  
4 Trust, respect and accountability are the trades we want  
5 reflected in our culture.

6           And one total fund reflects two main concepts.  
7 First, the total fund is the PERF, the Public Employee  
8 Retirement Fund, and the affiliates. And second, the  
9 things that happen in the various parts of the portfolio,  
10 while critical, are only critical because they support the  
11 total portfolio. Again, it's the total portfolio that  
12 pays the benefits.

13           So both the why and the how are key in supporting  
14 and driving our progress on the enterprise strategic goal  
15 of fund sustainability, specifically delivering the target  
16 risk-adjusted returns on behalf of our nearly two million  
17 members.

18           Next slide, please.

19   --o0o--

20           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

21           Thank you. Okay. This next slide was put  
22 together to depict the various subteams of the Investment  
23 Office and what they're responsible for. The idea here is  
24 to show the various programs and parts of the team, and  
25 how they fit into the running of the total portfolio and

1 business model.

2 All the way to the left, you can see that we have  
3 the main strategy and research teams, namely the Board  
4 Governance and Strategy Team, and then the Research and  
5 Strategy Group. These teams are designed to be strategic  
6 and forward looking on topics such as our own governance  
7 model, sustainability, and on how we expose the assets  
8 we're entrusted with to a set of investment risks in an  
9 attempt to earn the assumed rate of return over a  
10 multi-generational time horizon.

11 So next to the right here is implementation. And  
12 this is where the assets actually go into the market.  
13 Note that the assets classes sit here along with trust  
14 level portfolio management and opportunistic strategies.  
15 Also note that these parts bleed over into strategy and  
16 research as they are close to the markets and therefore  
17 are a critical part of the team thinking through the  
18 long-term strategy

19 And in addition to thinking strategically, these  
20 subteams are responsible for portfolio construction,  
21 trading, deal underwriting, manager and partner  
22 monitoring, and related activities.

23 Finally, is the area of monitor, review and  
24 assess, which where we evaluate and report on the efficacy  
25 our outcome. Included in this part of the business are

1 investment controls and operational risk, or ICOR, which  
2 is all about our operational framework and the control  
3 function within the Investment Office. Next is the  
4 Investment Servicing Division, which is where operations  
5 sits, business and finance management, and then technology  
6 and management within the Investment Office. And then  
7 finally is investment risk and performance, which is where  
8 we measure investment risk independently from the asset  
9 classes and implementation functions, and is also where we  
10 decompose our performance, both holistically and  
11 granularly to understand the efficacy of our decisions.

12           And then finally, we have our support function,  
13 which provides critical business and administrative  
14 support across the entire Investment Office. And  
15 importantly, as I mentioned before, we view each subteam,  
16 whatever they're responsible for, as being a key part of  
17 the overall portfolio management function as our role  
18 within the enterprise is to manage the portfolio.

19           Next slide, please.

20                           --o0o--

21           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

22           Okay. Our Total Fund Investment Strategy and  
23 Processes reflect our Investment Beliefs and our  
24 Governance and Sustainability Principles in many ways,  
25 whether it's the systematic review of strategies, making



1 sure that the risks we're taking are the risks we want to  
2 take, centralized liquidity management, or looking at risk  
3 through various lenses. All of our activities are, and  
4 should be, grounded in our Investment Beliefs and  
5 Principles.

6 And on this second bullet, where we talk about  
7 being intentional in where and how we take investment  
8 risks, it's worth spending a bit of time on that. As  
9 mentioned earlier, we know that getting to seven percent  
10 won't happen without taking risk. But we also know that  
11 there are prudent risks, those risks that we believe that  
12 we can both manage, as well as be compensated for.

13 And these are the risks that we want to take,  
14 whether it's illiquidity in the private markets, growth  
15 equity risk, or other risks, as long as we can manage the  
16 risks, and as long as they're compensated, these are the  
17 places where the appropriate level of risk taking is  
18 prudent.

19 Next slide, please.

20 --o0o--

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

22 Thank you.

23 Okay. Fiscal year 2019-2020 brought many unique  
24 challenges and opportunities. And I'm very proud of the  
25 very hard work of our talented team, along with the

1 support of our executive team and you the Board.

2 I believe that we were able to accomplish quite a  
3 lot including the comprehensive, centralized liquidity  
4 dashboard and management framework, which helps throughout  
5 the year, especially during the COVID-19 crisis.

6 And we navigated COVID 9 crisis together, where  
7 within a week, we pivoted from really minimal remote work  
8 to a hundred percent remote work and have maintained  
9 productivity and risk control throughout this pivot. And  
10 I'd be remiss if I didn't acknowledge the excellent work  
11 of Christian Farland and the whole team in ITSB that  
12 helped facilitate this move to remote working.

13 We also completed this during markets that were  
14 as volatile as we see with equities losing more than a  
15 third of their value in about a month, only to recover  
16 very smartly quickly thereafter. We were able to manage  
17 the holistic portfolio in a centralized and team-oriented  
18 manner, maintaining the risk exposures that we wanted, and  
19 ultimately beating our benchmark. And we didn't skip a  
20 beat on the private asset side either, with private  
21 equity, private debt and real assets continuing to both  
22 manage our existing investments, but also underwriting  
23 desired deals that should accretive to the portfolio, both  
24 through the dislocation and into the future.

25 The Investment Strategy reviews were quite a

1 success also, reducing external manager relationships and  
2 thereby reducing complexity, reallocating approximately  
3 \$28 billion of assets to internal management, where we  
4 have greater control and transparency. And this  
5 reallocation takes the holistic PERF to nearly 80 percent  
6 internally managed and approximately 95 percent internally  
7 managed in the public markets.

8 This reallocation resulted in cost savings of  
9 over a hundred million dollars annually in fees. And we  
10 know that every dollar in fees that we save is a dollar  
11 that we retained to have available for paying benefits.

12 We also advanced our five-year total fund  
13 Governance and Sustainability Strategic Plan accomplishing  
14 some major KPIs. We now have at least one female director  
15 on the board of every company in the S&P 500 and we  
16 released our first ever report and response to the Task  
17 Force on Climate-related Financial Disclosures, with that  
18 report being CalPERS investment strategy on climate  
19 change.

20 And we've also made some organizational changes  
21 to reflect our one-team one-fund approach, including the  
22 creation of the Research and Strategy Group and the Board  
23 Governance and Sustainability Program. And all of these  
24 changes that we've made have been directly migrating from  
25 a total siloed culture and business model to a one-team

1 one-fund approach.

2           And finally, through numerous strategy sessions  
3 of the leadership team in the Investment Office, we  
4 developed our next five-year strategic plan, which  
5 resulted in the mission and the vision that we discussed  
6 earlier, and also resulted in our five-year strategic plan  
7 objectives, which are viewed through the lens of what we  
8 call our four Ps, with those four Ps being the portfolio,  
9 our processes, our people, and then the result in  
10 performance. And it was truly a team effort this year and  
11 I really can't say enough how proud I am of the work of  
12 our team.

13           Next slide, please.

14   --o0o--

15           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So I  
16 mentioned the lens of strategic plan is these four Ps and  
17 the focal points for each are here on slide six. For the  
18 portfolio, it's all about total fund allocation, leverage  
19 and liquidity, and then about private assets. The keys  
20 here are to continue to migrate our focus to the total  
21 fund and away from siloed thinking. To ensure that the  
22 risk exposures in the portfolio are the desired exposures  
23 in both the current time period and also strategically  
24 over the long term, and to manage leverage and liquidity,  
25 such that we can retain those desired exposures,

1 regardless of market conditions and can do so in a  
2 centralized total fund manner, which is what we were able  
3 to do during that COVID-19 crisis.

4 Finally is to build our capability and further  
5 deploy assets into the private markets, where we believe  
6 that the risk-return trade-off is a better one.

7 Now, the second initiative is focused around  
8 processes, and it's all about institutionalizing  
9 transparency, discipline, clarity and accountability to  
10 increase organizational effectiveness. The keys are  
11 governance and decision-making, integrated research  
12 capabilities, and then leveraging technology and data in a  
13 more efficient, effective and strategic manner.

14 Now, the third strategic objective focuses on the  
15 who of driving success, namely our people. The goal was  
16 intentionally aligned to our Vision Statement, working as  
17 one team with a culture of trust, respect, and  
18 accountability to effectively manage one total fund.

19 And the fourth objective is around performance.  
20 And to some degree, we believe that if we get the first  
21 three Ps right, the performance will result.

22 The key here though is to achieve positive  
23 performance, both absolute and relative, delivering our  
24 long term projected rate of return in support of paying  
25 the promised benefits.

1 Next slide, please.

2 --o0o--

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

4 Thank you.

5 Okay. Now, on slide seven, you see the fiscal  
6 year 2021 is the first year of our strategic plan. And we  
7 have initiatives designed to begin driving progress  
8 immediately. Note that this plan is CalPERS plan, and  
9 we've already begun executing, and have, and maintain a  
10 great deal of momentum.

11 For the portfolio, we have projects focused on  
12 better assets and more assets, including a project on  
13 allocation, leverage, and liquidity management, a review  
14 of the investment component of the asset liability  
15 management process, and then focused work on improving our  
16 capabilities and deployment in private equity and in  
17 private debt.

18 For the processes, the themes are governance and  
19 decision-making, technology and data, and cost  
20 effectiveness.

21 For people, this year will be all about  
22 refreshing our strategy around our people, specifically  
23 how we recruit, develop, and retain our team to position  
24 ourselves for success, both now and in the future.

25 And for performance, it's all about delivering

1 the desired performance and then measuring and  
2 understanding the sources of performance.

3 Next slide, please.

4 --o0o--

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So  
6 from here, Madam Chair, I'm prepared to turn it over to  
7 Lauren Rosborough Watt to talk -- walk us through the  
8 current market and economic environment. But before I do,  
9 I'm happy to pause for any questions.

10 CHAIRPERSON TAYLOR: So I'm not seeing any  
11 questions, so it looks like we can move forward.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
13 Terrific. Thank you, Madam Chair. Okay, Lauren,  
14 over to you.

15 INVESTMENT DIRECTOR ROSBOROUGH WATT: Thanks,  
16 Dan.

17 Thank you for the opportunity to speak today.

18 I'm going to speak briefly to pages nine and ten,  
19 providing a bit of an update of information. The main  
20 points, however, remain unchanged. The U.S. and the world  
21 economies have troughed. What we're watching now is for  
22 the pace of the recovery and trying to identify the risks  
23 to the speed of the recovery, both upside risks and  
24 downside risks.

25 So just stepping back a bit, the Coronavirus or

1 COVID-19 pandemic infections rose slight -- steady in June  
2 and July across the world, as well as in the U.S., before  
3 stabilizing at an elevated level in August. In the U.S.  
4 case, cases increased sharply around 70,000 per day. But  
5 the pace of cases has subsequently declined to a around  
6 about half this amount.

7 Now what's important from a macro perspective is  
8 that there's been a more targeted approach by governments  
9 and states to limit the spillover from affected --  
10 infection pockets, effectively to help slow the spread and  
11 also to stop shutting down economies as what happened in  
12 March.

13 In addition, what we have seen is that consumers  
14 have become more apt at adjusting to reduced mobility and  
15 working from home. And consequently, activity has  
16 improved to a greater degree than the mobility statistics  
17 have.

18 In terms of figures, the global economy has  
19 rebounded from its lows in April and May. Q2 GDP numbers  
20 have been released. It shows how severe that trough was.  
21 In the case of the U.S., you know, for the first half of  
22 the year, for example, the U.S. is now about 90 percent of  
23 its size that it was in the end of 2019. In Q2 alone, it  
24 shrunk by a revised 31.7 percent at a seasonally-adjusted  
25 annual pace. Now, that's similar to many developed



1 economies around the world. So it's certainly not  
2 unusual, but yes, quite severe.

3           So if we look from where we are now ahead to the  
4 second half of the year, we've got July data, some August  
5 data. And they're being released and they're very  
6 positive. Retail sales, both in the U.S. and in many  
7 countries have rebounded to their February levels, if not  
8 beyond in nominal terms. Now, that's quite remarkable  
9 when you think about the time frame we're referring to  
10 here.

11           JPMorgan Global Manufacturing output PMI has  
12 improved again in August to a figure of 53.6. Now, that's  
13 a level consistent with expansion. We've seen global  
14 trade volume has bounded -- bounced from its trough, so  
15 it's risen 7.5 percent in June, that's a month-on-month  
16 figure. And in the U.S., the August employment report  
17 showed that unemployment rate fell to 8.4 percent.

18           So the U.S. economy is rebounding very strongly  
19 from its trough. Just on slide 10, you can see the IMF  
20 forecasts there.

21                           --o0o--

22           INVESTMENT DIRECTOR ROSBOROUGH WATT: So for the  
23 U.S., they have minus eight percent for 2020 for the U.S.  
24 Now, financial sector economists are forecasting a  
25 roundabout minus four to minus six percent for a calendar

1 year basis to December. So that's quite a notable  
2 increase from expectations were in the middle of the year.

3           Going forward, the expectations by most  
4 economists are for U.S. activity to continue to normalize,  
5 but that the pace of growth to slow. And that's not at  
6 all surprising. You get a very large drop, you got a very  
7 bounce back, and then the pace of growth still positive,  
8 but to slower over time.

9           GDP is expected to be back at around Q4 2019  
10 levels by the end of 2021, possibly into 2022.

11           What we do know is if the pace of growth slows  
12 markedly, expectations are going to rise for more stimulus  
13 from the Federal Reserve, possible on the fiscal side as  
14 well.

15           So, for now, what we can see is financial  
16 conditions are certainly easier than where they were in  
17 March and April. Challenges still remain, and there are  
18 still risks on the outlook. We've got escalating trade  
19 tensions. We've got the U.S. elections in November that  
20 are increasing uncertainty going into November. We also  
21 have the trajectory of the virus and also a vaccine and  
22 how that will be deployed.

23           So the unprecedented situation means that the  
24 outlook for both the U.S. and global economies remain  
25 unusually uncertain, I guess is a way to characterize it.

1 But that said, the bounce back has been very, very  
2 encouraging.

3 I'm happy to take any questions.

4 CHAIRPERSON TAYLOR: Yes, Lauren, thank you very  
5 much. I just had a quick question. You spoke about  
6 the -- possibly meeting more federal help for the stock  
7 market federal intervention. Had that stopped? I thought  
8 that was continuing.

9 INVESTMENT DIRECTOR ROSBOROUGH WATT: So there is  
10 no conclusion for now. Congress, we are deadlocked. So  
11 the Democratic party had a 1.5 trillion dollar effective  
12 bill that went through. The house, however, the counter  
13 from the Republican party so far has about 300 billion.  
14 So there's nothing been agreed at this point. What I can  
15 say --

16 CHAIRPERSON TAYLOR: And I'm actually not talking  
17 about that. I'm talking about the Fed and the Treasury  
18 buying into the stock market, so...

19 INVESTMENT DIRECTOR ROSBOROUGH WATT: So the  
20 Federal Reserve has adjusted its -- I guess, it's monetary  
21 policy, strategy, as it were, to try and attest to some  
22 concerns that there have been around the inflation target.  
23 But no, not for now.

24 CHAIRPERSON TAYLOR: Okay. Thank you.

25 It looks like -- oh, wait, there we go.

1           It looks like we do have a question from the  
2 public, but we're not sure on what part of Item 6 that  
3 they want to talk about. So, yeah, Cheree is double  
4 checking. And I'm going to go ahead, Dan, and say move  
5 ahead and then she can let me know and we can stop, if we  
6 need to.

7           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

8           Great. Thank you, Madam Chair.

9           So next Eric Baggesen will take us through the  
10 review of trusts, both the PERF and the affiliates  
11 performance, risk and the like.

12          So, Eric, over to you.

13                           --o0o--

14          MANAGING INVESTMENT DIRECTOR BAGGESEN: Okay.

15 Thanks very much, Dan. And good morning to the Investment  
16 Committee and also to members of the public that have  
17 dialed in to today's session.

18          If we can -- oh, we've got the next slide up.  
19 Perfect. This slide is basically a summary of the  
20 performance that was generated in the most recent fiscal  
21 year. And what the fund returned for the fiscal year, a  
22 return of just over 4.7 percent. And while that 4.7  
23 percent did not meet the-long term objective of seven  
24 percent, we're actually very pleased with that outcome,  
25 and in particular compared to the status or the return

1 status that existed at the end of the March quarter.

2 I think at the end of the March quarter, the fund  
3 was down just over four percent. So that's almost a  
4 nearly nine percent turn around in the return that was  
5 generated. And with that nine percent increase,  
6 attributable to the last quarter of the fiscal year.

7 One of the things that's interesting in the  
8 returns that were generated over the fiscal year ending  
9 June of 2020 was that the growth asset classes, which are  
10 public and private equity, are where we normally  
11 anticipate the highest levels of return. Those categories  
12 made almost no contribution to the overall outcome of the  
13 fund.

14 The public equity market increased by  
15 approximately 0.6 percent, private equity, which was  
16 valued only through the March 31st date. Generated a  
17 negative five percent return.

18 And again, I would emphasize that private equity  
19 and the private assets, in general, typically value their  
20 assets on a quarter in arrears. So the evaluation of  
21 private equity lines up with basically the bottom of the  
22 market responding to the COVID-19 crisis.

23 The biggest contributions to the return of the  
24 fund in the fiscal year came from the more conservative  
25 assets, such as fixed income, particularly the spread

1 category, which had a nearly nine percent return for the  
2 fiscal year; the treasury category, which increased by  
3 almost 20 percent; and the real asset area, which had a  
4 return of over four and a half percent.

5           Also, we had a small contribution from the  
6 liquidity segment of the portfolio. When we look at the  
7 returns relative to the actual benchmark, the fund  
8 generated a positive excess return of approximately 38  
9 basis points or 0. -- close to 0.41 percent.

10           We're actually gratified by this outcome also.  
11 The contributors to the excess return, we were again the  
12 fixed income area, predominantly again the spread segment,  
13 but which contributed approximately 14 basis points of  
14 that 38 basis point total.

15           The asset allocation work in the fund, and this  
16 is partly attributable to doing some rebalancing towards  
17 the bottom of the market in mid-March, that effort also  
18 added approximately 14 basis points to the excess return  
19 outcome. And then the real asset area had a positive  
20 relative performance, that contributed about eight basis  
21 points to the overall active return of the fund.

22           And this is significant turn-around from recent  
23 history. And I believe part of that turnaround is due to  
24 activities, such as the Investment Strategy Review that  
25 resulted in a significant reduction in the capital list,

1 which was allocated to strategies. They historically have  
2 not generated positive contributions to the overall fund  
3 relative return.

4 When we look at the affiliate programs, the  
5 affiliate outcomes were very much aligned with their  
6 overall risk profiles. And the various affiliate funds  
7 have very different asset allocations in some instances  
8 from that used for the Public Employees' Retirement Fund.

9 And the last note I would make on this page is  
10 that we now have our official performance being  
11 calculations, and we believe serves to increase  
12 transparency.

13 If we could go to the next slide, please.

14 --o0o--

15 MANAGING INVESTMENT DIRECTOR BAGGESEN: Okay.  
16 When we look at the risk summary for the fund, we note  
17 first and foremost that the overall level of risk in the  
18 fund really increased fairly dramatically over the course  
19 of the fiscal year. And when I say dramatically, there  
20 was about a 1.8 percent increase in the anticipated  
21 volatility which move the overall volatility levels of the  
22 portfolio to approximately 11 and a half percent.

23 That increase in volatility -- and again,  
24 volatility is only one measure of risk, but it is a  
25 significant one. But that increase in volatility is a

1 attributable to the risk models assimilating the  
2 variability and the volatility in the market movements  
3 that took place in relation to the COVID-19 crisis.

4           The risk continues to be dominated by the public  
5 equity market. That's basically consistent with the risk  
6 profile of the fund for the last several decades. So  
7 there's nothing new particularly about that.

8           The active risk levels, or relative to the  
9 benchmark, are just over one percent, and that's well  
10 within the one and a half percent threshold by which  
11 should we reach that level of active risk, basically the  
12 staff are directed to return to the Board with a plan to  
13 try to mitigate that risk and return it to living within  
14 that one and a half percent threshold.

15           Of that active risk, the great majority of that  
16 derives from basically the benchmark misfit that exists in  
17 the private asset areas of private equity and real estate.  
18 And the non-investable components of the benchmarks that  
19 are applied to those various parts of the portfolio.

20           Another dimension of the risk could be perceived  
21 as liquidity. And we believe that the liquidity of the  
22 fund is very strong. That's not -- monitored and managed  
23 pretty much on a day-by-day basis in accordance with the  
24 entire liquidity management profile that we've had a lot  
25 of discussion with this Board over the last 18 months.



1 Right now, we believe we have adequate liquidity  
2 to cover nearly three times any of the liabilities that  
3 would be -- present themselves, even in a stressed  
4 environment. And approximately half of our liquidity is  
5 being managed in an overnight fashion, where the  
6 instruments that are held in the liquidity portfolio  
7 mature basically on a daily basis. So that removes the  
8 need to actually generate transactional activity should  
9 liquidity need to be raised.

10 If we could go to the next slide, please.

11 Okay. Can we get to page 13 on the slide chart?

12 --o0o--

13 MANAGING INVESTMENT DIRECTOR BAGGESEN: There we  
14 go. Perfect. This is basically a table that shows  
15 performance over several time horizons for the PERF and  
16 for the various affiliate funds. I think if you look to  
17 the far right-hand side of this table, you'll see the  
18 returns that were generated on a one-year basis. And the  
19 most recent fiscal year demonstrated a pattern of returns  
20 that is atypical to the expectations that we have in a  
21 establishing the asset allocation for the various funds.

22 And that atypical nature is really demonstrated  
23 by the CERBT strategies. And there's three CERBT  
24 strategies. And again, those are programs that allow  
25 employers to reserve capital and save capital for

1 post-employment benefits that will be due in the future.  
2 But the CERBT 1 Strategy is the most aggressive asset  
3 allocation. And it more or less mirrors the asset  
4 allocation use for the overall Public Employees'  
5 Retirement Fund.

6           And then the CERBT 3 Strategy is the most  
7 conservative strategy with the lowest anticipated  
8 volatility. If you look at the results for the CERBT 1  
9 Strategy, that generated a return of about three  
10 percent -- three and a half percent for the fiscal year.  
11 The CERBT 3 Strategy, the more conservative strategy,  
12 generated a 6.3 percent return. So you can see that the  
13 pattern of returns that were generated the most recent  
14 fiscal year, the more conservative assets were rewarded in  
15 contrast to the expectations set that underlies the  
16 overall asset allocation activity.

17           Even when you look over the three- and five-year  
18 time horizons, you still see some mixture of performance  
19 between the more conservative and the more aggressive  
20 assets. It's only when you move out into the sort of  
21 ten-year time horizon that you start to see the expected  
22 pattern of returns starting to evidence itself, where the  
23 more aggressive assets of public and private equities  
24 examples start to show stronger returns.

25           But I would point out that that ten-year time

1 horizon happens to coincide with pretty much the bottom of  
2 the marketplace during the financial crisis of 2008 and  
3 2009. So it's indicative of the fact that ultimately  
4 returns are sensitive to the starting conditions. And  
5 when you have very low valuation levels, you know, there  
6 are high expected future returns. When you have higher  
7 valuation levels, that serves to diminish the expectation  
8 of future returns.

9 If we could move to page 14, please.

10 --o0o--

11 MANAGING INVESTMENT DIRECTOR BAGGESEN: Thank  
12 you. Okay. This table reflects the performance of the  
13 supplemental income plans. And these again are defined  
14 contributions structures that are offered by a number of  
15 employers around the state of California to their  
16 employees to help them save for retirement expenses.

17 This table, just as the prior table, demonstrates  
18 again that the more conservative asset allocations had  
19 higher levels of return in the most recent fiscal year  
20 compared to the more aggressive ones.

21 And the more conservative asset allocations tend  
22 to be the target date 2015, 2020, 2025 time frame where  
23 it's anticipated that people will be retiring in the next  
24 five to ten years in contrast to the target dates farther  
25 out into the future, all the way out as far as 2050, for

1 example, which are typically targeted towards younger  
2 employees that have a much longer duration to their  
3 careers and the belief that those -- that longer duration  
4 implies a capacity to take on higher levels of investment  
5 risk.

6           Again, you see in the five- and ten-year columns,  
7 you start to see those columns be more reflective of the  
8 anticipated results. And when I say anticipated results,  
9 it's the belief that the more aggressive assets, such as  
10 equity investing, will ultimately generate higher levels  
11 of return. But this is indicative of the fact that you  
12 can have significant periods of time when that expectation  
13 is not realized.

14           I think one of the things that's interesting in  
15 this -- in this table is really the last two rows of data.  
16 Can those two rows of data reflect the variance between  
17 the stock market outcomes that have happened in the  
18 domestic U.S. markets versus the outcomes that have  
19 happened in the international markets. So that first row,  
20 the Russell All Cap represents the U.S. marketplace. And  
21 what you see is that over recent time periods, and  
22 honestly even stretching back five or even ten years,  
23 although we don't have a ten year number on this page, the  
24 U.S. stock market has been significantly stronger than the  
25 international markets.

1           And the implication of this is that plans, and  
2 CalPERS is one of them, that have a global, highly  
3 diversified portfolio have tended to underperform  
4 investors that have been reflective of a significant whole  
5 market bias, where they have concentrated their  
6 investments in the United States. It's unclear whether  
7 that pattern will continue. We do believe and continue to  
8 believe that international investing ultimately is a  
9 rational and a reasonable outcome, basically to create  
10 more diversification in the portfolio.

11           But you can go through significant time periods  
12 where you end up with quite a -- quite a variation between  
13 the results generated in those different domiciles.

14           And if we could flip to page 15, please.

15                           --o0o--

16           MANAGING INVESTMENT DIRECTOR BAGGESEN: Okay.  
17 This chart reflects the active return of the fund. And  
18 again, it's that excess return. The bars on the chart  
19 represent the annual increments of excess return. The  
20 lines on the chart represents a rolling five-year period.  
21 One of the things I think is most interesting on the chart  
22 is that line. And if you look at it, the origin of that  
23 line is more than two percent negative. That represents  
24 the results that were generated during the global  
25 financial crisis, where we, in essence, had very

1 significant, negative excess returns.

2 Now, the two major contributors to that negative  
3 excess return from the financial crisis were, number one,  
4 the costs associated with raising liquidity in order to  
5 support the activities around a security lending program,  
6 and number two, the very poor relative performance that  
7 emanated from the real estate portfolio. And the real  
8 estate portfolio at that time had migrated to representing  
9 a very -- very much what is perceived to be an  
10 opportunistic or a higher risk set of investments.

11 It has been over the succeeding time period a  
12 huge amount of work done to basically bring the real  
13 estate portfolio back much closer -- to be in much closer  
14 alignment with the role that real estate is perceived to  
15 play in the portfolio. And that role is really centered  
16 on generating income and also generating a measure of  
17 diversification from some of the equity risk.

18 We were very happy with the relative return  
19 performance in our most recent fiscal year, the deposit of  
20 38 basis points. And that positive 38 basis points  
21 represents quite a turnaround from the pattern of returns,  
22 where for the prior five years we had basically slightly  
23 negative or even flat relative returns.

24 And if we could on move to page 16, please.

25 --o0o--

1           MANAGING INVESTMENT DIRECTOR BAGGESEN: Okay.  
2 Page 16 represents a schematic representing the overall  
3 risk allocation of the fund. What you see basically is  
4 that the risk in the CalPERS portfolio - and again, this  
5 is overall levels off volatility - really derives from  
6 those growth-related assets of public and private equity.

7           So we basically have a situation where less than  
8 60 percent of the assets generate more than 80 percent of  
9 the variability in the risk again measured by volatility  
10 of the overall PERF.

11           If we can move on to page 17, please.

12                           --o0o--

13           MANAGING INVESTMENT DIRECTOR BAGGESEN: Okay.  
14 Page 17 is a very interesting chart that was put together  
15 by our Investment Risk and Performance people. And what  
16 they've done in this chart is to take our current asset  
17 allocation and they have extrapolated that asset  
18 allocation backwards in time for almost a hundred years to  
19 attempt to estimate what they believe the outcome to the  
20 PERF would have been over that time period.

21           I think this chart is very interesting on a  
22 couple of different dimensions. So first is if you  
23 actually look at the frequency of equity drawdowns -- and  
24 this is performance during equity drawdowns in the  
25 marketplace. So if you look at that frequency of equity

1 drawdown, you just have to seriously ask yourself, if you  
 2 know, is the label like infrequent, if that is applied to  
 3 the concept of equity drawdowns, is that really  
 4 appropriate? Because we've obviously sustained a number  
 5 of equity drawdowns, you know, over that nearly hundred  
 6 year time period.

7           The other dimension of this that's very  
 8 interesting to me is also the duration that some of those  
 9 equity drawdowns can extend. Obviously, the most extreme  
 10 drawdown duration started in the late 1920s and extended  
 11 on through the Depression.

12           And what you really see on this chart is that it  
 13 almost took the conclusion of World War II to ultimately  
 14 bring risk investing, you know, back to a position of  
 15 actually being significantly rewarded. So the duration of  
 16 some of these drawdowns can be pretty material.

17           And this is one of the reasons that the CalPERS  
 18 staff have such a commitment to attempting to maintain the  
 19 diversification of the portfolio, which, in some cases,  
 20 means basically allocating capital to lower return -- or  
 21 expected return assets, such as fixed income. And again,  
 22 in the most recent fiscal year, we saw that return to the  
 23 more conservative assets being paid off.

24           And if we could flip to page 18, please.

25                                 --o0o--



1           MANAGING INVESTMENT DIRECTOR BAGGESEN: Thank  
2 you. Page 18 reflects on tracking error. And again, this  
3 is a volatility based measurement that represents the  
4 active risk in the fund or the difference from benchmark.  
5 What you see is that it -- the active risk in the fund,  
6 first and foremost, is a very small proportion of the  
7 overall level of risk. So if you think back on that 11  
8 and approximately a half percent overall volatility, you  
9 see that the active risk of the fund only contributes  
10 about four percent of the total of that 11 and a half odd  
11 percent expected volatility.

12           So active risk is not a huge contributor to the  
13 overall variability of the CalPERS portfolio. And that --  
14 the inference from that is that the CalPERS portfolio  
15 significantly is representative of a benchmark-oriented  
16 program.

17           What you see on the right-hand side of the chart  
18 is the blowup of that four percent slice to reflect the  
19 fact that the majority of even that small proportion of  
20 overall risk is basically generated in large measure by  
21 the private assets. And again, that is private asset  
22 benchmark misfit or uninvestability.

23           The Investment Risk and Performance team used the  
24 label non-actionable in this description. And I actually  
25 like that label very much, because that is one of the

1 challenges in actually trying to create accountability  
2 around the active risk in the overall portfolio.

3           We've been attempting to make some benchmark  
4 changes over the last year or so to try to reduce the  
5 level of active risk that is not directly traceable to any  
6 particular decision made by the staff.

7           And an example of that kind of change is the  
8 floating of the weights of the private assets, where they  
9 float with market outcomes, and on a quarterly basis are  
10 reset to their actual proportion in the portfolio. And  
11 what that serves to do is bring the calculation of the  
12 benchmark more closely in alignment with the actual  
13 mechanics of how the portfolio is run.

14           And the objective of that is to again remove the  
15 calculation or the demonstration of risk that is not the  
16 result of any specific decision that anyone can control.  
17 And that serves to ultimately increase the degree of  
18 transparency on where risk is taken, and it's taken  
19 deliberately. And it also increases the ability to do  
20 attribution on the kinds of decisions that result in the  
21 active risk. And that attribution is ultimately necessary  
22 to try to create more accountability within the CalPERS  
23 staff and then within our external managers, and it's  
24 accountability as to whether or not those decisions that  
25 lead to active risk are actually resulting in an

1 improvement in the overall level of return.

2 I think the last comment I'd like to make, before  
3 we move on to the next section or see if we have  
4 questions, is that that 4.7 percent return that was  
5 generated by the CalPERS portfolio in the most recent  
6 fiscal year, while again that was under our seven percent  
7 objective, that return, in my mind, it actually reflects  
8 very favorably relative to the majority of the peer  
9 universe.

10 I believe our returns, for the most recent fiscal  
11 year, were probably close to a hundred basis points in  
12 excess of kind of the average of the public fund universe.  
13 And there will be more information about that when  
14 Wilshire presents their review later on in the next agenda  
15 item.

16 But I think that, you know, we should be  
17 gratified with that outcome. And it's a reflection partly  
18 of the asset allocation work that we did several careers  
19 ago to basically deliberately incorporate diversifying  
20 assets in the fund. And that's one of the challenges that  
21 continues to remain though is how to retain those  
22 diversifying assets, even in the face of lower forward  
23 expectational returns.

24 And I think now we could flip to page 19.

25 --o0o--

1           MANAGING INVESTMENT DIRECTOR BAGGESEN: We can  
2 see if there are any questions.

3           Ms. Taylor, do we have questions?

4           CHAIRPERSON TAYLOR: Eric -- Eric. Thank you  
5 very much for your presentation. I just wanted to -- I do  
6 have some questions. I wanted to thank you also kind of  
7 bringing to our attention the -- the strategies for the  
8 CEPPTs 1, 2 and 3, which shows different risk levels and  
9 return levels. And I thought it was interesting -- then  
10 again on the target funds.

11           So it's interesting to see that if we wait for  
12 the long term and our appetite for risk is -- you know, we  
13 have an appetite for that risk, then it's going to have a  
14 return for us. And I just -- I thought that was an  
15 interesting way to show that you just have to understand  
16 that what is our risk appetite and -- you know, for going  
17 forward, because we're a long-term investor. And it shows  
18 that if it -- if we're willing to take the risk, we get  
19 the returns we need.

20           Our -- questions I have is from Henry. Go ahead,  
21 Mr. Jones.

22           COMMITTEE MEMBER JONES: Thank you, Ms. Taylor.

23           Yeah. Eric, I'm looking at page 11 of 88, 86 of  
24 the iPad, where it's the absolute return of 4.7 percent.  
25 That's the chart -- page I'm looking at.

1           MANAGING INVESTMENT DIRECTOR BAGGESEN: Sure.

2     Could we -- could we flip back to page 11, please?

3           COMMITTEE MEMBER JONES: Yes. Okay. That one.

4     Yeah. And you did comment on it. I was looking at the  
5     minus 5.1 return of private equity. And we all know that  
6     for years, this has been our -- the asset with the highest  
7     investment returns over time, even short term and long  
8     term. And I do remember you saying that the market  
9     downturn was greatest in April or March. And -- but then  
10    when you look at the public equity, it's now a positive  
11    0.6 versus the private equity on negative 5.1. And I  
12    recall you saying that -- that -- because it lags a  
13    quarter, I think you said, that -- the private equity  
14    valuation. So it does not pick up the return for that  
15    last quarter in private equity.

16           So my question, if my assumption is correct, is  
17    that if and when we get the June numbers, that 5.1 perhaps  
18    will disappear also, is that a correct assumption?

19           MANAGING INVESTMENT DIRECTOR BAGGESEN: Well,  
20    that's certainly what we hope for Mr. Jones.

21           (Laughter.)

22           MANAGING INVESTMENT DIRECTOR BAGGESEN: Until we  
23    actually get the numbers --

24           COMMITTEE MEMBER JONES: Yeah, I know you don't  
25    have the actual yet.

1           MANAGING INVESTMENT DIRECTOR BAGGESEN: -- it's  
2 hard to forecast it.

3           (Laughter.)

4           COMMITTEE MEMBER JONES: Yeah.

5           MANAGING INVESTMENT DIRECTOR BAGGESEN: What's  
6 interesting about this to get to your question about it,  
7 the negative five percent return for the private equity --  
8 and again, that lines up with the March 31st valuation  
9 activity in relation to private equity. At that point in  
10 time, the public equity capitalization-weighted benchmark,  
11 just as an example, was down more than 15 percent. So if  
12 we lined up the public equity outcome for that quarter,  
13 relative to the private equity, you still see private  
14 equity representing almost a ten percent improvement on  
15 top of the outcome as of that March quarter.

16           So we're absolutely hopeful that private equity  
17 will reflect the increases that we've seen in the public  
18 equity markets that have taken place since that time  
19 frame. And obviously, they've been very, very  
20 significant. And we're not surprised when private equity  
21 lags the public equity market that's going up pretty much  
22 straight up, you know, despite even a few of the bumps.

23           COMMITTEE MEMBER JONES: Okay.

24           MANAGING INVESTMENT DIRECTOR BAGGESEN: Does that  
25 answer your question, sir?

1 COMMITTEE MEMBER JONES: Yes, it does. Yes.  
2 And, you know, we will -- when will we see the June  
3 numbers -- quarter ending in June, when will we see the  
4 private equity numbers for that period?

5 MANAGING INVESTMENT DIRECTOR BAGGESEN: Yeah.  
6 That information will start to evidence itself I believe  
7 at the close of the September quarter.

8 COMMITTEE MEMBER JONES: Okay.

9 MANAGING INVESTMENT DIRECTOR BAGGESEN: Whether  
10 they'll actually have it reflected for the September  
11 quarter of it will take going out into October, I'm not a  
12 hundred percent sure.

13 COMMITTEE MEMBER JONES: Okay.

14 MANAGING INVESTMENT DIRECTOR BAGGESEN: We could  
15 get a more precise answer on that for you.

16 COMMITTEE MEMBER JONES: Okay. Thanks. And then  
17 the next question --

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
19 Yeah. Mr. Jones, I just --

20 COMMITTEE MEMBER JONES: Yeah, go ahead.

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I'm  
22 sorry, Mr. Jones, I'll jump in quickly. Yes, it will be  
23 the September 30th performance where you'll see that. And  
24 anecdotally what you've seen is as valuations have started  
25 coming in in private equity space, we've seen those number

1 be -- numbers being something like plus eight percent for  
2 that quarter. So as Eric mentioned, you know, you saw  
3 this drop as we came down. But then given the very strong  
4 bounce back in the public equity markets, we've seen  
5 similar things coming in.

6 COMMITTEE MEMBER JONES: Okay.

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Now,  
8 private asset valuations tend to be a little bit smoother,  
9 but you are certainly seeing a bounce back in those -- in  
10 those valuations coming in.

11 COMMITTEE MEMBER JONES: Okay. So let's just  
12 hold our powder for -- in looking at this going forward.

13 The other question -- a comment I had was on the  
14 tracking error. It's page 18. It's, I guess, 95 of  
15 the -- yeah. And so as you were explaining this -- and  
16 tracking error, to some degree, tells us what kind of risk  
17 that's being taken. And looking at these charts is active  
18 risk. And that's the decisions that staff has made that's  
19 contributing to the tracking error in terms of risk. And  
20 the rest is -- the market itself is -- is causing the  
21 greatest portion of that risk profile in the tracking  
22 error, is that correct?

23 And also, when are we going to have a deeper dive  
24 in understanding this tracking error as it relates to the  
25 risks that the Board -- since we're coming up with our



1 asset management liability process, we need to, I think,  
2 get a better understanding of this risk profile.

3           MANAGING INVESTMENT DIRECTOR BAGGESEN: Well, to  
4 answer the first part of your question, sir, the answer is  
5 absolutely, yes, that the overall markets that CalPERS has  
6 exposure to generate by far the lion's share of the  
7 variability in the outcome.

8           So as I say, basically, I interpret this chart  
9 to -- that the CalPERS portfolio overall is very benchmark  
10 oriented. When you only have approximately four percent  
11 of your overall risk level, representing active risk or  
12 different decisions that make the portfolio different than  
13 the benchmark, that's basically indicative of a relatively  
14 low level of active risk.

15           And even then, when you look at the blowup on the  
16 right-hand side of the page of that, the majority of even  
17 that difference is attributable to the private assets. So  
18 there are really very limited numbers of decisions or  
19 magnitude of decisions with this being risk taken that  
20 makes the portfolio dramatically different than the  
21 benchmark.

22           And I'm going to have to ask Dan if he's got a  
23 time frame in mind as to when we might bring back a  
24 discussion more on active risk or tracking error.

25           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: We

1 do. Thanks, Eric. And thank you for the question, Mr.  
2 Jones. Yes, it's currently calendared for November. So  
3 our Investment Risk and Performance team is currently  
4 working with Wilshire and there's a couple of things  
5 there.

6 One, to you point will be to take a deep dive to  
7 really understand tracking error, but secondly to really  
8 make sure that the tracking error is serving as a risk  
9 limit that the -- that the Board can feel comfortable with  
10 how it's working as a -- as a risk limit. So both from an  
11 understanding standpoint, but then also making sure that  
12 it's meaningful. And that's the stuff that -- that  
13 currently staff and Wilshire are working together on as we  
14 speak with the plan of bringing that to you in November.

15 COMMITTEE MEMBER JONES: Okay. Thank you very  
16 much.

17 CHAIRPERSON TAYLOR: Is that all, Mr. Jones?

18 MANAGING INVESTMENT DIRECTOR BAGGESEN: Does that  
19 conclude your questions, Mr. Jones?

20 COMMITTEE MEMBER JONES: Yes, it does.

21 CHAIRPERSON TAYLOR: All right. Thank you.

22 MANAGING INVESTMENT DIRECTOR BAGGESEN: Ms.  
23 Taylor.

24 CHAIRPERSON TAYLOR: I have a question from Ms.  
25 Middleton. Go ahead, Ms. Middleton.

1           COMMITTEE MEMBER MIDDLETON: Okay. Thank you.  
2 And Eric, Dan, and all of the team, this has been a very  
3 good presentation. I really appreciate it.

4           Mr. Jones asked one of the questions that I  
5 wanted to ask. But Eric, could you explain a little bit  
6 more in detail why there is approximately a one-quarter  
7 lag in the results of private equity?

8           MANAGING INVESTMENT DIRECTOR BAGGESEN: Yeah. I  
9 think, you know, truthfully in our private equity people  
10 during their program review, Greg Ruiz, and -- will be  
11 talking to this. And honestly, Greg might be able to  
12 provide a more complete answer than I can.

13           But let me just offer that basically private  
14 assets are typically valued often in an array of models.  
15 And those models look at, for example, the business  
16 activity underlying. It looks at comparable valuations,  
17 for example, in things like real estate. It looks at a  
18 number of things that are actually divorced from the  
19 marketplace or how publicly-traded assets are valuing at  
20 any moment in time.

21           And it really takes time for those valuation  
22 models to be estimated and then to basically reflect that  
23 in the books and the records of these private funds. So  
24 it's just the operation of those funds just tends to  
25 basically only be able to assimilate that data just so

1 fast. And we -- literally, it just takes time, for  
2 example, between when we see the marketplace moving around  
3 and when that becomes, you know, evidenced on a more  
4 widespread basis through the actual economy.

5 So there can actually also be a significant  
6 divorcing between what happens in the underlying economy,  
7 and that was the material that Lauren Rosborough was  
8 talking about, and then what happens in the financial  
9 markets. So you can have a very significant divergence.  
10 Even while the economy, for example, has been going down  
11 during the whole COVID crisis, the financial markets  
12 dropped and then have had a huge recovery --

13 COMMITTEE MEMBER MIDDLETON: Right.

14 MANAGING INVESTMENT DIRECTOR BAGGESEN: -- way in  
15 advance of when the actual economics have recovered. So  
16 the private assets just have all of this timing difference  
17 that they need to be normalized for. And I -- and I don't  
18 know if Dan has more commentary that he'd care to offer to  
19 that.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

21 Yeah. The only thing I would add, Ms.  
22 Middleton -- thanks, Eric -- is that in the public  
23 markets, these things are traded on exchanges. So you  
24 would have pricing continually and you take a closing  
25 price, and then you calculate performance, right? So it's

1 very ease to get a June 30th price, because it's the  
2 closing price on that day.

3           In the private markets, to Eric's point, what  
4 happens is you have all these models, and they're -- and  
5 we receive financial statements over time, and that time  
6 just takes time. So the methodology that we have pursued  
7 to give ourselves time to calculate this, is that we  
8 just -- it snaps on a certain date, then all the models  
9 are run, financial statements are received, all of these  
10 things are completed, and then we calculate performance.  
11 And that takes approximately a quarter. And that's the  
12 reason for the quarter lag.

13           COMMITTEE MEMBER MIDDLETON: That makes sense.  
14 Thank you.

15           Are there other asset classes that have this kind  
16 of divergence in timing?

17           MANAGING INVESTMENT DIRECTOR BAGGESEN: Yes.

18           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
19 There are, yes.

20           MANAGING INVESTMENT DIRECTOR BAGGESEN: Real  
21 estate. Dan, go ahead.

22           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

23 Private equity. No. Private equity and real  
24 assets certainly. And then our expectation is that  
25 private debt will be similar, because again it will be --

1 it's -- you know, it's going to be delayed. And Jean can  
2 speak more -- in more detail to that one.

3 COMMITTEE MEMBER MIDDLETON: Again, approximately  
4 a quarter delay or is it even longer?

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: No,  
6 a quarter. A quarter in all cases is the expectation.  
7 Certainly, in real assets it's a quarter.

8 COMMITTEE MEMBER MIDDLETON: Okay. And I wanted  
9 to go back to the slide on liquidity, where Dan talked to  
10 us about having 2.9 times the Tier 1 30-day stress.

11 MANAGING INVESTMENT DIRECTOR BAGGESEN: Let's  
12 see.

13 COMMITTEE MEMBER MIDDLETON: I think you went  
14 past it there.

15 MANAGING INVESTMENT DIRECTOR BAGGESEN: Yeah, I  
16 think that's page 12.

17 COMMITTEE MEMBER MIDDLETON: There we are.

18 MANAGING INVESTMENT DIRECTOR BAGGESEN: There we  
19 go.

20 COMMITTEE MEMBER MIDDLETON: Okay. Describe in  
21 more detail what you mean by tier 1 30-day stress.

22 MANAGING INVESTMENT DIRECTOR BAGGESEN: Yeah.  
23 Basically, we've taken our -- in our liquidity management  
24 framework, assets are, in essence, tiered. And the  
25 tiering refers to what is the maturity profile of those

1 assets? So tier 1 assets are typically assets that mature  
2 in a very short time frame. I'm not a hundred percent  
3 sure if tier 1 is limited to 30 days or even in closer  
4 than 30 days. So we could get -- we could get detail on  
5 that from the people that do this calculation.

6 But what we're looking at are trying to  
7 understand assets that will convert into cash for a  
8 maturity process in contrast to having to actually sell  
9 the asset in the marketplace. So there's just a  
10 difference between an asset that matures and you're  
11 getting repaid the capital absent any kind of a  
12 transaction that needs to be generated.

13 The stress scenario is basically applying what  
14 can take place over a 30-day time period. And we've  
15 looked back historically to identify these types of  
16 scenarios and said how much can the market move? And  
17 obviously for example, in March of '20 we saw a very  
18 significant move in the equity market, which dropped  
19 almost by a third, in less than a month's time frame.

20 So that's indicative of that kind of a stressed  
21 environment what happens on various liabilities and the  
22 demand for liquidity.

23 So what we're saying in this is that in a stress  
24 scenario, we believe we've got more than three times the  
25 amount -- or about three times the amount of liquidity

1 necessary to meet any liabilities that would come up. And  
2 those liabilities derive both from the retirement benefits  
3 and pension benefits that CalPERS pays out --

4 COMMITTEE MEMBER MIDDLETON: Right.

5 MANAGING INVESTMENT DIRECTOR BAGGESEN: -- but  
6 also due to mark to markets on things such as derivative  
7 instruments. If you holding futures contracts to  
8 represent equity exposure and they go down, you have  
9 pretty significant mark to markets that you have to pay.  
10 And that's what's inferred by that statement, Ms.  
11 Middleton.

12 COMMITTEE MEMBER MIDDLETON: All right. Thank  
13 you. The -- is there a best practice target that you have  
14 in this area?

15 MANAGING INVESTMENT DIRECTOR BAGGESEN: Well, I  
16 don't -- I'm unaware of a specific ratio as a best  
17 practice. We think our entire liquidity management  
18 framework basically is absolutely best practice, and, you  
19 know, that would also be potentially a question that, you  
20 know, would be a valid question for you to ask one of your  
21 external consultants, for example, such as Wilshire  
22 Associates that looks at liquidity management processes  
23 across a number of different kinds of entities.

24 You know, as an employee of CalPERS, I'd like to  
25 believe that ours represents sort of state-of-the-art,



1 but, you know, I think you need somebody else's opinion to  
2 basically buttress that comment.

3           So I think that -- I think it is, and there are  
4 different -- we're using, in general, the kinds of  
5 definitions and interpretations of these metrics and these  
6 statements basically that are generally used throughout  
7 the industry.

8           COMMITTEE MEMBER MIDDLETON: Okay. Thank you  
9 for --

10           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And,  
11 Mr. Middleton, I'll sorry, I'll just

12           COMMITTEE MEMBER MIDDLETON: -- thinking about  
13 following up with Wilshire later on, and I will certainly  
14 do that. But liquidity is an -- was an issue for CalPERS  
15 in 2007, 2008. And so being certain that we are in a  
16 strong position today I think is one of the signs of  
17 lessons learned from the last crisis.

18           All right. Thank you.

19           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
20 Absolutely, Ms. Middleton.

21           MANAGING INVESTMENT DIRECTOR BAGGESEN: I agree  
22 with that statement.

23           COMMITTEE MEMBER MIDDLETON: Yeah.

24           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And  
25 I'll say anecdotally that we have actually seen, in going

1 through this COVID-19 crisis, just, you know, completely  
2 different, you know, experience, where, in the -- you  
3 know, in the -- in the Great Financial Crisis, we -- if we  
4 didn't know what the liquidity was, we were disparate in  
5 our management that's sort of legacy, we were disparate in  
6 our management. That's, you know, sort of a legacy-siloed  
7 thinking. We didn't have clear sources and uses of  
8 liquidity. We just knew that there was liquidity  
9 challenges across the portfolio.

10           This time, as Eric said, we have a very clear  
11 list of what the sources of liquidity are, what the uses  
12 of liquidity are. It's all centrally managed. And this  
13 time through, even when the markets were exhibiting stress  
14 and illiquidity, our portfolio, our balance sheet stayed  
15 completely liquid and we were continuing to be able to,  
16 you know, as Eric said, to rebalance the portfolio when  
17 needed, to lean into private markets opportunities. It  
18 was a -- it was -- it was night and day difference from  
19 the -- from the last time.

20           And I agree, that we think -- as to Eric's point,  
21 it's definitely worth asking the consultants. But we feel  
22 gratified that it -- it held up the way -- that way it  
23 expected -- the way we expected it to this time through  
24 and it was -- that's encouraging.

25           COMMITTEE MEMBER MIDDLETON: All right. Thank

1 you. Last question I have for you, and you'll probably  
2 tell me I should ask Wilshire this one as well. But with  
3 the volatility index going from 9.7 to 11.5, Eric, you  
4 used the word "dramatic" to describe that change. So are  
5 we approaching volatility numbers that you think are as  
6 high as we should go or where do you see us over the next  
7 12 months in terms of what we should be looking at in  
8 terms of our volatility of the portfolio?

9 MANAGING INVESTMENT DIRECTOR BAGGESEN: Yeah. I  
10 think -- well, first, let me be very clear that the  
11 numbers that we have represented are estimates of  
12 volatility of the CalPERS asset allocation. And those  
13 estimates are calculated using our BarraOne risk platform.

14 COMMITTEE MEMBER MIDDLETON: Right.

15 MANAGING INVESTMENT DIRECTOR BAGGESEN: So, one,  
16 those volatility estimates are not what's called the VIX  
17 index or the volatility index that's typically used within  
18 the financial community to indicate market stress.

19 So that VIX index is much -- the order of  
20 magnitude of change is that that particular index are much  
21 in excess of anything that we're seeing in the calculation  
22 of risk around the CalPERS portfolio.

23 But that -- basically, the volatility of our  
24 portfolio increased by approximately 1.8 percent. And  
25 again, this is using a relatively longer term model. So

1 it takes a fairly dramatic short-term outcome. And that's  
2 exactly what we saw in the March time frame in particular  
3 around the whole COVID crisis to shock that model with  
4 that -- with that kind of a short-term outcome to generate  
5 that order of magnitude of change.

6 My own personal -- and this is just a guess,  
7 because we really don't know how this is going to evolve,  
8 because it's going to be entirely dependent on what  
9 happens in the marketplace. And obviously, we have a lot  
10 of uncertainty still out in front of us, not the least of  
11 which is the upcoming election. We're still in the virus  
12 situation. We still don't have, for example, vaccines and  
13 things of that nature that we know are going to have  
14 efficacy and basically helping to manage that problem. So  
15 there's a -- there's still a tremendous amount of  
16 uncertainty and potential sources of uncertainty.

17 But everything else being equal, we would tend to  
18 think now that we would basically see the longer term  
19 nature of that model start to diminish that risk back down  
20 as other observations come in and sort of temper some of  
21 the volatility that was generated in that first quarter of  
22 the year.

23 And that's about as precise an answer as I could  
24 offer.

25 COMMITTEE MEMBER MIDDLETON: That's a very good

1 answer. Thank you, sir.

2 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And,  
3 Ms. Middleton, maybe I'll just -- just add just really  
4 quickly. And this is the challenge of risk management,  
5 right, is that it's a mosaic, and you use -- there isn't a  
6 single number or metric that will tell you the risk.  
7 There's lots of them.

8 I will say that your strategic asset allocation  
9 hasn't changed and therefore the portfolio largely hasn't  
10 changed. So the actual risk of the portfolio really  
11 hasn't changed. What's changed is to Eric's point, the  
12 historical observations that the -- that the model is  
13 using have become more volatile, which makes the apparent  
14 volatility of the portfolio go up.

15 You know, measured model volatility is an  
16 important metric. But again, it's only one, and that's  
17 the reason why we -- why we have so many, whether it's  
18 liquidity, whether it's tracking error, or whether it's  
19 vola -- you know, total volatility, all of the above is  
20 triangulating to are the risks we're taking the risks we  
21 want to take. And I think we feel comfort that it -- that  
22 the answer is yes.

23 COMMITTEE MEMBER MIDDLETON: Dan, thank you. To  
24 put what I think you just said in lay language, the change  
25 in -- from 9.7 to 11.5 reflects more the changes in the

1 market than it reflects a change in our portfolio, is that  
2 correct?

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.  
4 You said it better than I did, and yes, that is correct.

5 (Laughter.)

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
7 Thanks, Ms. Middleton.

8 COMMITTEE MEMBER MIDDLETON: Thank you.

9 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:  
10 Ms. Middleton, this is Arnie Phillips. Can I  
11 step back real quick to your liquidity question?

12 COMMITTEE MEMBER MIDDLETON: All right. Thank  
13 you.

14 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:  
15 Our dashboard actually has three tiers, a tier 1,  
16 a tier 2, and a tier 3, and also it takes snapshots over  
17 three periods, a seven day, a 30 day, and a 90 day. So we  
18 gave you the 30-day a tier 1, tier 1 being what we  
19 perceive to be better liquidity than say tier 3 assets.  
20 And I think you hit the real issue, which is in the '07,  
21 '08 issue, our portfolio - and I was here during that  
22 time - would have likely been considered tier 3 assets.  
23 So we have completely, in addition to getting away from  
24 silos and having a total fund centralized management of  
25 it, the quality and the liquidity of the reinvestment book

1 has gone from basically tier 3 assets to tier 1 assets.  
2 So we have much higher quality assets in our opinion. We  
3 also have a much better view of them.

4 So you saw a single snapshot on that tier 1, 30  
5 day.

6 COMMITTEE MEMBER MIDDLETON: Um-hmm.

7 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

8 It's broader than that. But I think you got the  
9 moral of the story, which is our portfolio is much better  
10 positioned today than it was a decade ago.

11 COMMITTEE MEMBER MIDDLETON: Thank you. Thank  
12 you, all.

13 CHAIRPERSON TAYLOR: Okay. So we still have some  
14 questions. And I just want to say I think we all should  
15 understand -- I don't know if you all remember when Mr.  
16 Meng came in and he started talking about upping our  
17 liquidity, which has been -- was his plan when he moved  
18 forward, and working to create our total fund and our  
19 liquidity. I think that's what set us up for having such  
20 a great return. So I just wanted to remind folks of that.  
21 It's a shame that we've lost Mr. Meng.

22 And I have first from Mr. Jones a question and  
23 then Ms. Yee.

24 COMMITTEE MEMBER JONES: Yeah. Two questions. A  
25 comment and then a question. As Ms. Middleton said, that

1 lessons learned. And Arnie mentioned it about the 2008,  
2 2009 financial crisis with the huge drawdown on our  
3 assets, the impact on our fund. And as we know,  
4 regardless of the return, we still have to pay benefits  
5 every month. And \$19 billion was -- still had to go out  
6 the door to pay benefits, and -- but we were in a position  
7 having to sell assets that were undervalued at the time,  
8 because we need to generate cash to pay those benefits.

9 So we created an asset class of liquidity at that  
10 time. And what is the target of that liquidity asset  
11 class that is -- is it one or two percent, Arnie or Dan?

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.  
13 Mr. Jones, it's --

14 MANAGING INVESTMENT DIRECTOR BAGGESEN: Yes, the  
15 current target for liquidity -- I'm sorry. Go ahead, Dan.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: No.  
17 I'm sure we were going to say the same thing. Sorry,  
18 Eric. It's a one percent target for liquidity, Mr. Jones.

19 COMMITTEE MEMBER JONES: Okay. Good. So I just  
20 wanted -- and I was here in 2008, 2009 also. And I know  
21 it was -- we took a bath because we didn't have cash to  
22 manage the system. So I'm very pleased to see that we  
23 have instituted this asset class and it's paying off now  
24 that we are in another downturn market.

25 The other question I had is the -- the -- back to



1 that comment about evaluating -- the lagging evaluation of  
2 private equity and real estate. That's not just a CalPERS  
3 phenomenon, that's throughout the industry, is that  
4 correct?

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

6 Correct.

7 COMMITTEE MEMBER JONES: Okay. Okay. Thank you.

8 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

9 Mr. Jones, Arnie Phillips again. Just to  
10 elaborate on that liquidity question, we also have a much  
11 different portfolio in the sense that we have a ten  
12 percent U.S. treasury sleeve now dedicated to providing  
13 liquidity. And that's a much different position than we  
14 were in in the Financial Crisis also. So we have that  
15 dedicated one percent to liquidity, but we've also made a  
16 very concerted effort to make sure the rest of the  
17 portfolio has liquidity attributes ability to borrow  
18 against those assets, if we need to. And we had  
19 encumbered then in a sense last time, and they weren't  
20 there. We were making sure this time that those assets  
21 can be used for liquidity purposes, if needed.

22 COMMITTEE MEMBER JONES: Thank you.

23 CHAIRPERSON TAYLOR: Thank you.

24 Ms. Yee.

25 COMMITTEE MEMBER YEE: Thank you, Madam Chair.

1 I just wanted to just take a divergence for a  
2 moment. So we're in an election year. And I was just  
3 curious, with respect to the observation about the market  
4 and diverging from the underlying economy, at what  
5 point -- because it seems like before every Presidential  
6 election, the market does kind of reflect its sentiments  
7 about what may lie ahead.

8 And, at what point, will we see some of that  
9 just, you know, reflected in the market, both in terms of  
10 the election, and I think this time around a lot of  
11 concern about the leadership transition after the  
12 election.

13 MANAGING INVESTMENT DIRECTOR BAGGESEN: Dan, do  
14 you want to take a shot at that one.

15 (Laughter.)

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

17 Sure. I mean candidly -- happy too, Ms. Yee.  
18 Thank you. Candidly, the answer is we're seeing it,  
19 right? I mean you're certainly seeing it in some of the  
20 derivative markets on election and then volatility in the  
21 outcomes of the election. You know, markets are  
22 discounting regimes and they -- you know, they sort of  
23 assess all the different outcome -- potential outcomes and  
24 then kind of effectively, through markets, assign --  
25 assign probability.

1           So, you know, you are seeing it. And I think  
2 that's one of the simultaneously most enjoyable but also  
3 challenging things about investment, is that, you know,  
4 everything is pricing in this way. And, you know, I think  
5 last time, frankly I think generally people thought that  
6 there would be one election outcome and a certain market  
7 response. And then we got the opposite election outcome,  
8 but actually that very positive market response. And so  
9 that -- you know, it takes you to this point of constant  
10 humility investing in these markets, that we don't know  
11 exactly what -- what is going to happen.

12           But what we do know is that if we can maintain  
13 our long horizon, we can maintain our competitive  
14 advantages and position the portfolio for long-term  
15 success. We can see across elections, and cycles, and the  
16 like.

17           COMMITTEE MEMBER YEE: Great. Thank you,  
18 Theresa.

19           MANAGING INVESTMENT DIRECTOR BAGGESEN: If I  
20 could just --

21           COMMITTEE MEMBER YEE: Oh, I'm sorry.

22           MANAGING INVESTMENT DIRECTOR BAGGESEN: I was  
23 just going to offer one incremental comment to what Dan  
24 just said, and I think this is really important. We have  
25 absolutely no idea what the future is going to bring. And

1 anyone that operates in the financial markets that implies  
2 that they somehow or another know what the future is going  
3 to bring is just -- that's just witchcraft basically.  
4 That doesn't exist.

5           So our main objective is to make sure that we can  
6 respond appropriately and attempt to maintain our risk  
7 profile, despite almost whatever conditions the market  
8 happens to give us. And that's -- that's what all of our  
9 management tools are designed to help us do in all of  
10 these dimensions, such as the liquidity management  
11 framework.

12           So we don't know what we're going to see, but  
13 we're pretty confident that we're going to be able to  
14 maintain the target CalPERS risk profile through whatever  
15 it is.

16           COMMITTEE MEMBER YEE: Thank you. Thank you,  
17 both.

18           CHAIRPERSON TAYLOR: Thank you, Ms. Yee. Great  
19 questions.

20           It looks like we can move forward. I don't see  
21 anymore questions.

22           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
23 right. Thank you, Ms. Taylor.

24           It looks like we went to slide 19. Terrific.  
25 And we'll ask Steve Carden to forward and talk about

1 global equity.

2 INVESTMENT DIRECTOR CARDEN: Thank you, Dan.

3 --o0o--

4 INVESTMENT DIRECTOR CARDEN: And good morning,  
5 ladies and gentlemen of the Board and our public. Steve  
6 Carden representing Global Equity.

7 Before I dive into covering global equity,  
8 including the program highlights, performance, and  
9 accomplishments, I did want to draw some attention to  
10 something I noticed in looking at the -- the total deck  
11 overall. That is, you'll likely see a number of points  
12 covered within the asset classes that have already been  
13 covered by the total fund portion that Dan and Eric have  
14 covered. And I found this to be a very positive outcome  
15 that reflects our total fund focus and the culture that we  
16 have all adopted.

17 I also want to pause for a minute, as my eyes are  
18 itching and throat is scratchy to thank our firefighters.  
19 Can't even imagine what they're going through right now,  
20 so we appreciate that.

21 And with that, let's take a look at the global  
22 equity review.

23 If we could go to slide 20, please.

24 --o0o--

25 INVESTMENT DIRECTOR CARDEN: Okay. As you know,

1 from the asset allocation work, global equity is the  
2 principal asset class providing growth exposure. Our team  
3 participates in global markets. And it uses this  
4 experience to provide perspective and also some insight to  
5 decision-making that happens at the total fund and  
6 strategic asset allocation level.

7           Our program is thoughtfully delivering multiple  
8 equity betas with low active risk and very efficient cost.  
9 In fact, 97 percent of the portfolio now consists of  
10 internally managed low-cost strategies.

11           One thing that's inherent in managing low active  
12 risk strategies is the need to rebalance just to remain  
13 similar to the benchmark. This is often results in  
14 meaningful purchases of securities whose weight in the  
15 index has increased and sell trades of securities weight  
16 has decreased. And we see that in our big rebalances.

17           During the COVID-19-driven equity market drawdown  
18 that we saw in March, the global equity portfolio's  
19 defensive positioning and focus on high conviction  
20 strategies did help moderate the impact to the total fund.

21           Now, let's take a look at that.

22           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

23           Steve, I'm sorry to interrupt you. We're somehow  
24 not getting video. Are you having technical challenges  
25 around the video?

1 Oh, there we go.

2 Now, we lost it again.

3 INVESTMENT DIRECTOR CARDEN: I'm sorry. It says  
4 sending video.

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

6 Okay. Yeah, there we go. I know you're in the  
7 office, but it keeps kind of coming on and off. Okay.  
8 Sorry. We'll -- let's continue and hopefully we're  
9 getting the video.

10 Continue on.

11 INVESTMENT DIRECTOR CARDEN: All right. Seeing  
12 -- seeing my is not the highlight, anyway.

13 So if we could go to the next slide, please,  
14 slide 21.

15 --o0o--

16 INVESTMENT DIRECTOR CARDEN: As Eric mentioned,  
17 global equity did return about 0.6 percent for the fiscal  
18 year. That's positive 0.6. And that represents an excess  
19 return of about 21 basis points. The index-oriented and  
20 active strategies were both positive contributors, while  
21 alternative beta and emerging manager strategies were a  
22 drag on performance.

23 And as Eric alluded to, and is expected, the  
24 factor-weighted segment provided drawdown protection and  
25 diversification when needed, though it did underperform

1 the cap-weighted segment for the fiscal career.

2 Next slide, please.

3 --o0o--

4 INVESTMENT DIRECTOR CARDEN: Now, I'd like to  
5 highlight a few of global equity's major accomplishments  
6 for the year. As part of the systematic assessment of  
7 strategies that Dan and Eric mentioned, we did review and  
8 restructure three of our program areas, the tradition  
9 active, the emerging manager and alternative beta  
10 portfolios.

11 This restructuring not only led to a higher  
12 conviction portfolio, but it also helped us reduce costs  
13 of implementation from nine basis points down to four.  
14 This represented a savings of about \$82 million. The team  
15 also quickly and successfully adapted to the remote  
16 environment, like the entire organization really. And we  
17 maintained a strong culture of communication and  
18 collaboration that was previously established.

19 Having this, allowed us to effectively manage the  
20 portfolio, including implementation of very large  
21 quarterly rebalance through extreme market volatility in  
22 March and April.

23 And finally, the team helped progress  
24 implementation of the Total Fund Governance and  
25 Sustainability Strategic Plan.



1 Next slide, please.

2 --o0o--

3 INVESTMENT DIRECTOR CARDEN: I want to wrap-up  
4 with a few comments about global equity's current year  
5 initiatives. First, our corporate governance team will  
6 continue to collaborate in the development and  
7 implementation of a new multi-year Total Fund Governance  
8 and Sustainability Strategic Plan.

9 Global equity will also be focused on selecting  
10 and beginning implementation of a next generation  
11 multi-asset trading platform.

12 Additionally, we will be evaluating strategic  
13 benchmarks for the strategic asset allocation work that  
14 more effectively capture equity market betas.

15 And finally, global equity will collaborate to --  
16 and integrate risk exposure management across public and  
17 private equities. The goal being to identify the best way  
18 to measure and manage the combined equity exposure.

19 That concludes my prepared remarks. I'm happy to  
20 take any questions that the Board may have or otherwise  
21 turn this over to Arnie Phillips.

22 Thank you.

23 CHAIRPERSON TAYLOR: Thank you, Steven.

24 I wanted to thank you for your presentation. I'm  
25 very impressed with the new multi-asset trading platform.

1 I'd like to hear more about that. That's -- and I know we  
2 have heard some. And my next -- but again, thank you very  
3 much for your reports.

4 I think I have a question from -- I'm sorry. I  
5 think it's David. Mr. Miller, do you still have a  
6 question?

7 Okay. Oh, no, your question was that you  
8 couldn't hear -- or see Steve.

9 VICE CHAIRPERSON MILLER: Yeah, it kind of looks  
10 like Henry is next.

11 CHAIRPERSON TAYLOR: Okay. So Mr. Jones.

12 COMMITTEE MEMBER JONES: Okay. Okay. Yes.  
13 Could you go back to slide 21, that's 98 on the iPad.  
14 Yeah, it's there. Yes. And I'm looking at the  
15 factor-weighted net return of 2. -- negative 2.57, and why  
16 we had a -- and I know you kind of alluded to, but I'd  
17 like you to expand on that a little bit, because I recall  
18 that the reason for going with the factor-weighted was to  
19 protect the fund on the downside.

20 And I think I kind of got a little bit of what  
21 you were saying why it's still positive, even though it's  
22 a negative. Could you expand on that a little bit?

23 INVESTMENT DIRECTOR CARDEN: Right. This is  
24 really where the impact of the diversification comes in.  
25 Even though the segment as a whole underperformed for the

1 year, on an absolute basis and relative to the  
2 cap-weighted segment, what we did see was that it did not  
3 drawdown nearly as much as the cap-weighted segment during  
4 March. And so the cap-weighted segment being down over 34  
5 percent and the factor-weighted a little over 30 percent.  
6 So it did provide some protection for us, when it was  
7 needed, even though it didn't perform as well for the full  
8 year.

9 COMMITTEE MEMBER JONES: Okay.

10 INVESTMENT DIRECTOR CARDEN: So it's really about  
11 the timing.

12 COMMITTEE MEMBER JONES: Okay. Thank you.  
13 That's relative, right. Okay. Thank you.

14 CHAIRPERSON TAYLOR: Thank you, Mr. Jones.  
15 Mr. Perez.

16 COMMITTEE MEMBER PEREZ: Steven, how does  
17 index-oriented, how does that return -- excess return,  
18 right?

19 INVESTMENT DIRECTOR CARDEN: Right. It's  
20 index-oriented, so as you probably recognize, it has very  
21 low active risk. And in doing so, it is not going to  
22 deliver big outperformance in any given year.

23 What we see this year for index-oriented, the 22  
24 basis points. I want to call your attention to the very  
25 last bullet on this slide. And I know Arnie Phillips will

1 cover this a little bit more in the Fixed Income review.

2 But about half of that 22 basis points, I would  
3 say is actually not attributable to global equity. It has  
4 to do with our -- our low liquidity enhanced return  
5 portfolio. And you will see a opposite sign, 11 basis  
6 points impacting the fixed income portfolio. So really  
7 that -- you know 11 of that I would probably remove for  
8 your understanding, which leaves about 11 basis points of  
9 outperformance from the index portfolio. And that is a  
10 really solid year, but it's -- it's really about half of  
11 what you see.

12 COMMITTEE MEMBER PEREZ: Can you dumb that down  
13 for me, please?

14 INVESTMENT DIRECTOR CARDEN: You know what, I  
15 think Arnie in talking about the other side might be  
16 helpful. But the funding source for -- for a lot of what  
17 we do is this LLER, low liquidity enhanced return,  
18 portfolio. And there was a change in how we fund that  
19 from being, you know, focused more -- and I forget the  
20 percentages. I'll leave that to Arnie -- focused more on  
21 the fixed income side, and I believe treasuries.

22 And at some point in March we did shift that to  
23 putting more of the funding from global equity. And in  
24 that transition, it's just more of a timing impact, but  
25 there was an accrual of that performance that went to

1 global equity, a positive 11 basis points, and a negative  
2 to the fixed income portfolio.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Mr.  
4 Perez, maybe I'll --

5 COMMITTEE MEMBER PEREZ: Thanks.

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
7 -- maybe I'll jump in there really quickly. The  
8 LLER portfolio is a portfolio of fixed income instruments  
9 that are -- that are low liquidity, so they're not liquid,  
10 and they're a little bit longer in duration than sort of  
11 cash. And they're intended to earn a premium over say  
12 cash. What you can -- what we can do within the index  
13 portfolio is rather than hold physical stocks, securities,  
14 we can own those LLER securities and then own derivatives  
15 on futures over it that gets you synthetic equity  
16 exposure, but actually would earn an excesses return over  
17 time.

18 And that's what we saw is that about 11 basis  
19 points of that 22 came from owning this LLER, which  
20 futures overlaying to get synthetic index exposure, but it  
21 was actually enhancing the return a little bit. And then  
22 to Steve's point, there was also some timing where we  
23 shifted that funding from fixed income treasuries to  
24 equities. And it happened at the time when these LLER  
25 securities were depressed and then bounced back. So you

1 saw accretive performance in global equity and then  
2 actually challenged performance on the fixed income side.  
3 At the total fund level though, they net out to the total  
4 performance of LLER portfolio, if that helps.

5 COMMITTEE MEMBER PEREZ: It does. Thanks, guys,  
6 both of you.

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
8 Okay.

9 Ms. Taylor, do we have anymore questions or are  
10 we ready to move on to fixed income with Arnie.

11 CHAIRPERSON TAYLOR: I think we're ready to move  
12 on. I see something from Betty Yee at 11:19 I may have  
13 missed.

14 COMMITTEE MEMBER YEE: No, you didn't, Theresa.  
15 I'm fine.

16 CHAIRPERSON TAYLOR: Okay. All right. All  
17 right. Thank you. So, yes, you can move on.

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
19 right. Arnie, over to you.

20 Arnie you're on mute.

21 --o0o--

22 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:  
23 All right. Let's try that. Hi. Arnie Phillips.  
24 For this presentation, I'll have my fixed income hat on as  
25 opposed to my Interim DCIO hat. And, Mr. Perez, we will

1 touch a little bit more on the LLER portfolio. So  
2 hopefully we can close the loop a little bit more for you  
3 there.

4 Next slide, please.

5 --o0o--

6 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

7 So it's good to always remember and remind folks  
8 of one of the main roles of the fixed income is, is to be  
9 a diversifier to equity risk. And we saw that work this  
10 year, probably not as Eric explained in some of the ways  
11 we would have traditionally expected with our sort of  
12 shock absorber being the highest performing asset, but  
13 that negative correlation is what we're looking for, and  
14 it definitely worked this year.

15 Page 25 in this slide really talks about how we  
16 go about adding value in global fixed income. We've --  
17 ever since I've been here for multi-decades, we've had a  
18 very structured process. It's changed a little bit in  
19 recent years. It's now centered around our weekly  
20 portfolio allocation committee meetings, where we focus on  
21 economic outlook, relative value among different products,  
22 market dynamics, for instance what Ms. Taylor was  
23 mentioning the Federal Reserve's impact in our markets and  
24 they are strong. So all those types of issues are talked  
25 about at our weekly meetings.

1           And it's also something I'm really thankful for.  
2 We have very strong collaboration with our centralized  
3 research and strategy group. The economic and  
4 quantitative teams out of that centralized research group  
5 are active participants in our weekly meetings in bringing  
6 an outside view to our process to complement what we're  
7 doing within fixed income.

8           Next slide, please.

9                               --o0o--

10           INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

11           So this slide is certainly much more complicated  
12 than it used to be, and that's really because we've  
13 created what -- out of what used to be a single fixed  
14 income portfolio are now the three segments. And when  
15 you're looking at this chart, it's also good to -- to  
16 focus on absolute returns, which are largely driven by our  
17 interest rate exposure, which is defined by our strategic  
18 asset allocation, and we're designed to have high interest  
19 rate exposure this year.

20           With the COVID pandemic, we saw a move to lower  
21 rates. And so lower rates mean higher prices in fixed  
22 income, so the income segment had a really strong year  
23 this year.

24           I mentioned the three segments. In July of 2018,  
25 we broke that traditional global fixed income portfolio



1 into three segments, two sort of indexed focused segments,  
2 a U.S. treasury portfolio and a high yield portfolio, and  
3 then an actively managed spread segment. When we look at  
4 the U.S. treasury segment, it -- I look at it really in  
5 two pieces. We have the management of the fixed income  
6 assets, and then we have how the use of that portfolio,  
7 along with the global equity portfolio fits into our now  
8 total fund liquidity and leverage program.

9           And so when you look at the treasury returns for  
10 this year, the treasury side of it actually had positive  
11 returns. And as Steve Carden mentioned, the use of LLER,  
12 and Mr. Perez asked some questions around it, we have  
13 gotten to the right place now where we are looking at  
14 things from a total fund perspective and we get much  
15 better answers.

16           But one of the fallouts can be when you then  
17 drill down to an asset class level, you can sometimes get  
18 optically a misleading picture. And I think that's  
19 what's -- we're seeing this year in the treasury  
20 portfolio.

21           The portfolios -- the treasury portfolio was one  
22 of the primary funding sources for the low liquidity  
23 enhanced return portfolio, which is managed by Jean Hsu.  
24 That portfolio has a tremendous successful long-term  
25 performance. But through the COVID crisis, it did drop in

1 value and has subsequently returned and realized most of  
2 that drop.

3           However, during the crisis, we did make the  
4 decision at the total fund level to move the financing of  
5 that from treasury futures to equity futures. And so what  
6 we saw was the treasury portfolio participated in the  
7 downside of the LLER portfolio's performance, but then the  
8 assets were moved out and the performance return showed up  
9 on the global equity side. So from a total fund  
10 perspective, we got it right, but it does cause some noise  
11 in some of the subcomponents and in risk-based the  
12 treasury portfolio.

13           The second kind of indexed segment is our high  
14 yield segment. It's designed to have some growth exposure  
15 similar to equities, but be less volatile. And it's  
16 really shooting for targeted index returns, but we do  
17 account for the higher trading costs than say a U.S.  
18 treasury in the expectation. So we're really shooting for  
19 index less 20 basis point. And this year, we -- we were  
20 down 22 basis points.

21           I am extremely proud of that team. The pandemic  
22 had a very big impact on trading of all securities,  
23 whether they were equity securities or treasury  
24 securities, but definitely high-yield securities, given  
25 they're a less liquid asset, so for us to basically beyond

1 our expectation. I'm very proud of the team for that.  
2 And if you look at the -- we've only had the segments for  
3 two years, but the outperformance for that two-year period  
4 is actually eight basis points.

5 The third segment is the one that's most like  
6 the -- the 20-year historical returns you see on this  
7 chart, which are extremely strong for fixed income. That  
8 spread segment is the one where we actively manage it.  
9 We're trying to outperform the index. We were very well  
10 positioned going into the COVID dislocation. I do want to  
11 be clear we did not predict COVID in any way.

12 We look at the world from a relative value  
13 standpoint through an upside/downside lens to determine  
14 relative value. And going into, you know, that period,  
15 call it March-ish, we just felt the upside was somewhat  
16 limited in our view of the economic cycle, spread levels,  
17 and other parts of mosaic, which left us really well  
18 positioned to take advantage of the dislocations that came  
19 with COVID.

20 And the returns for the spread segment this year,  
21 especially the relative returns, are outsized and are not  
22 returns that we would any way expect in a normal year, but  
23 this certainly was not a normal year. And so the vast  
24 majority of our excess return or relative returns this  
25 year did come in that March and April period, after we saw

1 dislocations from COVID.

2           And then finally last slide -- excuse me -- is  
3 liquidity portfolio, which we've talked a decent amount  
4 about today. It did have a strong performance year, but I  
5 would like to emphasize that return is not the driver of  
6 that portfolio. The focus is on capital preservation and  
7 maintaining liquidity.

8           Next slide, please.

9   --o0o--

10           INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

11           So this slide goes through the accomplishments  
12 for last year. And this is probably one that I've been  
13 tasked with, and I think I'm most proud of I think a lot  
14 of people expect the good performance out of fixed income  
15 and they certainly had that this year. We have been  
16 making a very concerted effort to focus on total fund and  
17 become less siloed. And this chart and this slide really  
18 details a lot of that work we did with the other asset  
19 classes, but also the total fund focus on the seven  
20 percent solution, and the liquidity dashboard, which we --  
21 we did talk quite a bit about earlier.

22           Our global fixed income credit and sovereign  
23 analyst did a lot of work this year assisting other parts  
24 of the Investment Office. We did work with Real Assets,  
25 Sustainable Investments, with the Research and Strategy

1 Group, wish Jean Hsu's Opportunistic Strategies Group.  
2 And I know it's working when I get emails from the likes  
3 of Paul Mouchakkaa, Anne Simpson, Beth Richtman thanking,  
4 you know, the folks who helped them with projects they  
5 have. And so it is a focus we're working on and I believe  
6 it's working and it shows the office's transition to that  
7 total fund focus, one team one fund.

8 And then finally, this was a tough year  
9 market-wise It was very disruptive, so I'm very proud of  
10 the strong returns we did have this year.

11 Next slide, please.

12 --o0o--

13 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

14 So going forward. The coming year will, in a lot  
15 of ways, look like the past year. We are going to  
16 continue to focus on total fund. This slide shows five of  
17 the bullet points. One of them we did talk about a little  
18 bit in the global equity presentation and Steve mentioned  
19 the multi-asset trading platform. It's something that  
20 literally the whole Investment Officer is working on. And  
21 we see a lot of upside to the total fund focus on  
22 liquid -- liquidity, and leverage, and just managing  
23 overall risk.

24 So we do think it's an important project that  
25 literally everybody in the office is contributing to. And

1 so, Fixed Income will certainly be a pig participant in  
2 that this year. But the reality is that we are -- you  
3 know, the new way we're trying to be here for the fund is  
4 really to help anywhere as needed, that one-team one-fund  
5 focus. And we will continue to see it from our team.

6 So at that point, happy to take any questions.

7 CHAIRPERSON TAYLOR: Thanks, Arnie. Great  
8 presentation. I'm just -- real quick Eraina has a  
9 question, but I had one real quick. It looks like on your  
10 last slide here 28 of 88 direct involvement in INVO's  
11 LIBOR Reform Task Force. Can you go into that a little  
12 bit for me?

13 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:  
14 Sure. So LIBOR is scheduled. And I think there  
15 is some question of whether the markets will be ready to  
16 transit away from it. LIBOR is sort of a made-up interest  
17 rate level. It requires banks to -- to basically post  
18 rates every day. And it's not market-observed rates. So  
19 there is always some question of people's incentives to  
20 have it higher or lower. So there's a financial markets  
21 reform. Don Pontes is our main architect in the  
22 Investment Office to interact with Washington D.C. But  
23 there's a concerted effort to transition away from a  
24 LIBOR-based interest rate for floating-rate securities and  
25 go to an alternative sort of market-rate level that people

1 can observe. And so we have been working with our  
2 centralized trading team with Don Pontes and our market  
3 reform -- financial markets reform team to have a voice  
4 in -- in getting it to where it needs to be, but also to  
5 make sure we're ready whichever direction it goes to  
6 manage the portfolio, and make sure, if it doesn't happen  
7 at a certain date, we're prepared for it. If it does,  
8 we're prepared for the alternatives.

9 CHAIRPERSON TAYLOR: I appreciate that CalPERS  
10 wants to have a voice, given how large we are. I think  
11 that absolutely makes sense.

12 Hopefully we do end up having a little bit of a  
13 voice. Does the support of OSG's global research effort  
14 on China and emerging markets, et cetera was my own -- my  
15 last question and what -- can you drill down on that a  
16 little bit for us?

17 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

18 Sure. So the -- our sovereign team has a very  
19 good understanding and analysis when it comes to emerging  
20 markets, which China is not necessarily an emerging  
21 market, but they heavily influenced the emerging markets.  
22 And so from an economic standpoint, they -- the sovereign  
23 team within global fixed income works closely with Lauren  
24 Rosborough and her folks to kind of get a view of the  
25 world.

1           And I mentioned the centralized research impact  
2 in our meetings -- our weekly fixed income meetings,  
3 that's where a lot of that sharing of information happens.  
4 Lauren will come in with her view of the world, and she'll  
5 ask, you know, what's going on with China or emerging  
6 markets. The commodity markets are a big impact in  
7 emerging markets, so our sovereign team has a really good  
8 view on that.

9           And just putting it all together I think makes  
10 the Investment Office output and understanding of, you  
11 know, very big factors to the mosaic we built when trying  
12 to put basic on, it -- just that collaboration between the  
13 two groups is really helpful.

14           CHAIRPERSON TAYLOR: Great. Thank you very much,  
15 Arnie. Go ahead, Eraina. You're up.

16           BOARD MEMBER ORTEGA: Thank you. I had a  
17 question back on slide 26 and it's just asking a little  
18 more about the spread category.

19           INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:  
20 Yes.

21           BOARD MEMBER ORTEGA: Just curious about the one  
22 that's titled Credit Ex Sov and the Sovereign and kind of  
23 what the characteristics of those seem to be, even though  
24 the whole category performed well, those performed even  
25 better. So just curious what those are.



1 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

2 Sure. So that -- that's our corporate exposure.  
3 And so that is our investment grade exposure. So the  
4 higher quality companies as opposed to what you see  
5 labeled as high yield. And those were post -- we were  
6 positioned again relatively defensively going into COVID,  
7 again because we just felt we weren't getting compensated  
8 where we thought we were at an economic cycle and where  
9 bonds were trading. And so we were -- we were pretty  
10 close to home.

11 COVID hits and at least before the federal  
12 reserve came in and started buying or committing to buy  
13 corporate bonds, the corporate obligations really  
14 underperformed. And so our corporate team was, because we  
15 were positioned sort of neutral, we were able to redeploy.  
16 We don't generally take duration or interest rate bets  
17 within fixed income. Where the credit team really is  
18 strong is with our credit analysts. And so they have  
19 views on sectors and they have views on individual  
20 companies.

21 And so when we saw that dislocation -- and we  
22 constantly talk all day. I know Lou Zahorak is the  
23 portfolio manager there, was asking his credit analyst,  
24 okay, what -- what are the, you know, ten best companies  
25 you like in your industries that have been impacted by

1 this that we think are really strong companies, that are  
2 trading more on overall market dislocation and less about  
3 fundamentals? And so we were able to reposition our  
4 portfolio at that point.

5           The -- then the Federal Reserve came in,  
6 basically supported the market, and we saw in essence a  
7 round trip of the spread widening back to more current  
8 levels. And you'll find us much more neutrally positioned  
9 again, because we have a round trip. But that's where,  
10 again, the collaboration with our centralized research  
11 group on our economic views, along with our views of the  
12 economy and where things are trading will dictate our  
13 positioning. And we were thankfully positioned in the  
14 right -- the right way to be able to take advantage of  
15 that dislocation that did occur post-COVID.

16           BOARD MEMBER ORTEGA: Thank you. Appreciate it.

17           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And,  
18 I'm sorry, Ms. Ortega. I'll just jump in also really  
19 quickly. That is heroic performance. We're -- we shoot  
20 for, in those portions of the portfolio, something like 30  
21 to 40 basis points. As much as I would like to say that,  
22 we can count on 160 and 102 going forward, I don't think  
23 we can. But this was really a tremendous work by this  
24 team.

25           And to Arnie's point, our team of credit analysts

1 are very, very strong. And that's one of the reasons why  
2 we have such faith in our abilities to deploy in private  
3 credit also, is that the -- like sort of DNA within our  
4 investment team is just very, very strong, and it's a real  
5 credit to see performance like this.

6 I guess it's also worth just really quickly back  
7 to the LLER thing, I thought I would just quickly jump in  
8 and let the Board know that we are planning on pulling  
9 LLER out of the asset classes to remove these distortions.  
10 So, you know, to the questions that are -- obviously  
11 create confusion, to pull LLER performance out of asset  
12 classes, so that neither global equity nor the treasury  
13 sleeve will have that kind of distortion or will all be at  
14 the total fund level we think is the right answer, both  
15 from the standpoint of transparency and clarity, but then  
16 also sort of just kind of accuracy of performance. So  
17 that's -- that's one of our plans for this coming fiscal  
18 year.

19 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

20 Yeah, and I'd just like to add on to that, Dan,  
21 the LLER portfolio is managed by Jean Hsu. It's a  
22 portfolio that we think is rock solid. And I think it  
23 fits very nicely into our long-term investment horizon.  
24 And if we can take the volatility like we saw in March and  
25 April, you saw the additional it added to global equity

1 this year. And when Jean shows the presentation you'll  
2 see the very large numbers that that portfolio has  
3 produced over the last three and five years. And it's --  
4 this is really where the difference to Ms. Middleton's  
5 comments back in '07, '08, '09 was we had a lot of assets  
6 that we thought were ultimately money good, but we weren't  
7 considering them low liquidity. We were considering them  
8 high liquidity.

9           And in this case, we acknowledged their low  
10 liquidity, but they're extremely high quality. And our  
11 ability to basically, through our liquidity positioning  
12 now, manage through dislocations, we feel strongly about  
13 this portfolio. And it will be coming, as Dan said, much  
14 clearer when we isolate it under, from a total fund  
15 perspective, the opportunistic bucket. You'll be able to  
16 see the direct impact. And it will allow the subasset  
17 classes, in this case, global equity and the treasury  
18 portfolio to reflect more optically what they actually are  
19 doing.

20           CHAIRPERSON TAYLOR: Great. Thank you guys very  
21 much.

22           Before we move on to our next section, I'm going  
23 to say we're at two hours and I'm having people telling me  
24 they need to run. So let's take a 15-minute break and  
25 come back. It looks like -- let's just do it at a quarter

1 after 12:00, because it looks like we're two or one minute  
2 to 12:00 right now. So I'll see you guys back in 15  
3 minutes.

4 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

5 Great. Thank you.

6 (Off record: 11:58 a.m.)

7 (Thereupon a recess was taken.)

8 (On record: 12:15 p.m.)

9 CHAIRPERSON TAYLOR: Great. Thank you.

10 Opportunistic strategies.

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
12 right. Thank you, Ms. Taylor. And hopefully, we have  
13 Jean still in the presenter room, so Jean Hsu over to you.

14 --o0o--

15 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Hi.

16 This is Jean Hsu representing Opportunistic Strategies.

17 Would you please the slide to the next, page 30.

18 --o0o--

19 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Yeah.

20 So some highlights of the opportunistic  
21 strategies in the past year. We have some success that we  
22 were able to implement across various strategies and then  
23 deployed as of June 30's one billion commitment. The  
24 others side of the success is that the LLER program that I  
25 think you all heard from Steve and from Arnie, we invested

1 in the AAA and AA collateralized loan obligations CLOs.  
2 And then they add value to the total fund with very, very  
3 remote probability of capital losses. This is a very  
4 significant program for us to earn some extra basis  
5 points, basically to offer to each asset classes in -- in  
6 the past.

7           Going forward, we are thinking about pulling this  
8 up to the total fund level in terms of the performance  
9 attribution. And always in LLER programs, we -- our  
10 ability to negotiate favorable terms due to the current  
11 market dynamics. These are also the success happens in  
12 the past year.

13           Challenges that we face. In the private asset  
14 classes, the deployment is much, much slower than public  
15 markets. So we want to be aware of that. And then on the  
16 LLER side, the market volatility can cost some temporary  
17 mark-to-market losses. However, our liquidity position on  
18 the liquidity dashboard let us see exactly what we have,  
19 and then what are the sources of funding going forward,  
20 and then what are the sources of liquidity. This can help  
21 us hold the securities to maturity and then earn a  
22 liquidity premium.

23           Next slide, please.

24   --o0o--

25           INTERIM MANAGING INVESTMENT DIRECTOR HSU: So

1 here, you can see the opportunistic strategies basically  
2 have three big components. One is the LLER program. That  
3 is north of the ten billion position. And then the  
4 opportunistic one, which has the public side, which is  
5 public market dislocation. And this pretty much relates  
6 to what Margaret was talking about earlier this morning,  
7 the PIMCO DISCO III. That is the public market  
8 dislocation.

9           And then we also have the one which is the  
10 private debt. And this is the area that we will focus our  
11 effort in the next fiscal year.

12           Okay. Currently, if you look at the one-year  
13 performance, we're -- the excess basis point is negative  
14 27. This is because as of June 30 the market -- although  
15 the -- like the investment grade market, as well as the  
16 equity markets, has recovered quite a lot. CLO, because  
17 of its complexity, as well as its illiquidity, it does not  
18 recover us fast as other higher liquid assets.

19           We did see a significant recovery after June 30.  
20 So we're hoping that next time around when you see the  
21 numbers, the one year numbers, will be positive again.

22           For the five-year numbers, constantly very  
23 consistently exceed 123 basis points. And then this is  
24 the offer to the asset class, which hold the LLER. So and  
25 another way you can see LLER as internal mutual funds that

1 always runs. And then, you know, the fixed income or the  
2 equity as the shareholders of it.

3 Okay. With respect to the opportunistic part, we  
4 recently funded two Opportunistic Strategies in June 2020,  
5 one in the public market dislocation, the other one in the  
6 private debt.

7 Next page, please.

8 --o0o--

9 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Next  
10 year, what are we going to focus on is in the -- can we  
11 move forward to the -- one more page, please.

12 --o0o--

13 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
14 Our major initiative for next year is we want to continue  
15 deploy money to the private debt to ensure a robust and  
16 well-diversified portfolio. And then we also want to  
17 enhance our governance framework portfolio analytics and  
18 reporting.

19 As you know, that this is a new area, so we are  
20 hoping that we can, you know, start from scratch, and then  
21 build a solid governance process, and then build a very  
22 robust portfolio analytics, as well as, you know, have a  
23 centralized place that we can do reporting, and then  
24 add -- like everybody is on the same page. We were able  
25 to query our database on that. So this is our focus going



1 forward.

2 So with that, I want to pause here and then see  
3 if there's any questions on this opportunistic strategies.

4 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Ms.  
5 Taylor, you're on mute.

6 CHAIRPERSON TAYLOR: I thought I grabbed. I did  
7 not.

8 I do have avenue a -- I do have a question. I'm  
9 not seeing -- oh, and I have one more after me. So you  
10 had said on page 32, major accomplishments, "Developed a  
11 framework for the private debt investment process and  
12 diligence". So I guess what I'm concerned about is making  
13 sure that we're not getting into toxic debt of any kind.  
14 And so what are those governance processes? Are we  
15 looking at -- what are our underwriting standards for  
16 getting into these kinds of programs?

17 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
18 So I think this is -- the question is very interesting,  
19 because we don't want to get into toxic debt. How do we  
20 define toxic debt? You know, for -- from an investment  
21 professional's perspective, everything has a price tag to  
22 it. Okay. A toxic debt -- you probably think, okay, this  
23 thing is going to go default. But if it can recover \$0.50  
24 in the dollar, and then you buy it at \$0.20, then you  
25 earned that \$0.30 recovery, right? Or if something was

1 just really, really bad and you get like an option on it  
2 to -- you can pay it like \$0.02 and by an option for  
3 upside -- whatever the upside is, you evaluate it as to a  
4 risk/reward the complexity, then it may not be that toxic  
5 in a way.

6           So it really depends on what is the risk/reward,  
7 what is the price, are we paying a right price for the  
8 return expectation? The probability of a success,  
9 probability of like a bear scenario, do we fully evaluate  
10 that?

11           CHAIRPERSON TAYLOR: So I guess when I'm looking  
12 at toxic debt, I'm looking at reputational risk. Do we  
13 want to be involved in loans to sovereign nations and the  
14 risk that that poses to our reputation? Do we want to be  
15 involved in -- I don't know. It depends -- I mean,  
16 remember Goldman Sachs at one point had loans to cities  
17 and counties, including I think Stockton was one of them.

18           And we -- they ended up in bankruptcy. What --  
19 reputational risk is also what I'm looking at, besides  
20 just, yeah, what can we gain out of taking on this debt,  
21 right? It might be valued at 50 percent and we buy it at  
22 20 and get the 30 percent. But do we have like  
23 underwriting stat -- standards that -- for  
24 collateralization of these loans? Like, what are we  
25 looking at?

1 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
2 I think you know so far that we do not plan to do any  
3 sovereign debt, so we are focusing on U.S. corporate,  
4 European corporate, real estate. So that part is -- we do  
5 not plan to do the so called toxic things.

6 And then I think, you know, CalPERS, we also --  
7 we -- the onus is also abide by CalPERS's like restricted  
8 list. So we are not lending to, you know, tobacco  
9 companies, we are not lending Sudan. We are not -- all --  
10 whatever CalPERS' restriction we will abide on that. So I  
11 think it is important that CalPERS has a robust system of  
12 debt. And then that is also why that we want to focus our  
13 effort next year on, you know, a very robust governance  
14 process and make sure that we don't step outside of what  
15 the delegation is.

16 CHAIRPERSON TAYLOR: And then you had said  
17 earlier that these LLER investments and collateralized  
18 loan obligations are -- have A or AA. Do we -- I know  
19 during the last crash, we found out that AAA and AA  
20 weren't actually AAA and AA. Do we know for sure that's  
21 what they are?

22 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
23 This is a very interesting question. Because the CLOs  
24 emerged from the financial crisis on AAA, AA level totally  
25 unharmed. Even on the lower level, they are only like a

1 handful of defaults. They are very different than the  
2 CDOs off the world in the subprime of the world, very,  
3 very different.

4           So what happened last time is that rating  
5 agencies downgrading everything with a C and then an O  
6 indiscriminately. So if you have the conviction and have  
7 the understanding of the fundamental, as well as the  
8 structure of the product, you are the one who are able to  
9 take advantage of it.

10           We did not know much about the CLO back down. We  
11 started our CLO investments -- majority of our CLO  
12 investments way after the financial crisis, but I know  
13 that there are like banks, like huge big U.S. banks they  
14 are buying A, not double or triple. They're buying A at  
15 like \$0.20 to \$0.30 on the dollar on the CLO A tranche.  
16 And then they all get pulled back in Par. So you're  
17 earning like 70 points in the next three to five years,  
18 when they pull back in Par. This is a tremendous return.  
19 They returning like 300 -- 300 times.

20           So again, I want to emphasize everything has a  
21 price tag to it. Understanding the fundamental,  
22 understanding the structure, understanding your contract,  
23 then you will be able to take advantage of the market.

24           CHAIRPERSON TAYLOR: So I think we're back to our  
25 appetite for risk is what you're saying.

1 INTERIM MANAGING INVESTMENT DIRECTOR HSU: It  
2 depends on how much return that we need to get. When our  
3 return target is much lower, we don't have to take that  
4 much risk. When our return target is higher, you know, it  
5 is a mathematical issue that you just need to do the math,  
6 and then we need that higher risk-return profile.

7 CHAIRPERSON TAYLOR: Right. Right. Great.  
8 Thank you very much, Jean. I really appreciate that. Our  
9 next --

10 INTERIM MANAGING INVESTMENT DIRECTOR HSU: You're  
11 welcome.

12 CHAIRPERSON TAYLOR: -- person is Mr. Perez.

13 COMMITTEE MEMBER PEREZ: Hi, Jean. On slide 30  
14 you talked about middle market direct lending and  
15 specialty lending.

16 INTERIM MANAGING INVESTMENT DIRECTOR HSU:

17 Um-hmm.

18 COMMITTEE MEMBER PEREZ: Is it any different than  
19 private debt?

20 INTERIM MANAGING INVESTMENT DIRECTOR HSU: No.  
21 These are all type -- middle market, the majority of them  
22 are private debt. So private debt, as I told you like two  
23 sessions ago, it's a mirror image of public debt, right?  
24 So you have -- whatever you have public and then you will  
25 very likely have something similar in the private debt,

1 but they are not SEC registered regulated trading in the  
2 public market.

3           So the middle market direct lending you can think  
4 about -- who is in the middle market debt I can give you a  
5 name. Usually, if you see somebody's EBITDA is right  
6 around a hundred to a hundred twenty-five, they can be  
7 pretty big. They can be a pub -- a company of like the  
8 names that you know, but they can also be classified as  
9 middle market.

10           The specialty -- the -- I think your question is  
11 probably in like the middle market direct lending and  
12 specialty lending, are they the same or are they  
13 different?

14           Is that -- is that your question?

15           COMMITTEE MEMBER PEREZ: No. I'm just trying to  
16 be able to classify it my brain, so that's all -- it's all  
17 considered private debt.

18           INTERIM MANAGING INVESTMENT DIRECTOR HSU: Yeah.  
19 They are all -- you can all do specialty lending sometimes  
20 you can do it through public market too. Middle market  
21 direct lending sometimes they do it through migrating into  
22 the broadly syndicated market lens. And then you can have  
23 banks being the syndicate agent and then sell things out  
24 to the market. So the -- I will say it is very hard to  
25 have a cut on what is the middle -- is the middle market

1 always private or is the middle market, you know,  
2 sometimes public?

3 But I will say the majority of the middle market  
4 lending is private and then market -- like the financial  
5 market use middle market direct lending and private debt  
6 interchangeably, so this is a little bit -- this is why  
7 the confusion is that when I say the middle mark -- the  
8 private debt is the mirror image of public debt.

9 While in the middle market direct lending  
10 sometimes there is a confusion. Now, don't forget that  
11 the private debt -- you -- in real estate, you have  
12 private debt too. In consumers, you can have private debt  
13 and in mortgages, you can also have private debt.

14 COMMITTEE MEMBER PEREZ: Thank you.

15 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

16 Jason, this is Annie Phillips. Maybe too, as an  
17 outsider also looking in at this, I think a couple  
18 observations I have is, one, our timing is very good from  
19 the sense that this product is getting, you know, off the  
20 ground post-COVID and not pre-COVID. So I think our  
21 opportunity set is potentially large, but we don't come in  
22 with positions already that now have to deal with this  
23 dislocation. So I find that to be encouraging.

24 I think having watched, Jean, you know, for a  
25 long time in fixed income and now in opportunistic

1 strategies, I know even if she's buying a AAA bond, which  
2 is a last loss type bond, she's -- she's analyzing it as  
3 if she were buying the first loss piece. So I  
4 personally -- and, you know, it's only my view, but I feel  
5 extremely comfortable in Jean's analysis and her process.

6 And ultimately, we're trying to -- for me, the  
7 direct lending is really a portion of the market that's  
8 not being serviced by the liquid kind of, you know,  
9 state-of-the-art bond markets right now that are the types  
10 of securities the Federal Reserve is backing.

11 The stuff Jean is going to be looking at are the  
12 things that don't have Federal Reserve backing, which has  
13 really driven up the price. And so I think we've got a  
14 good opportunity, and there's -- you know, nobody should  
15 be fooled into thinking there's not risk here, because,  
16 you know, these are, you know, higher cap -- or higher  
17 leveraged companies. But we're trying to go into a market  
18 that isn't seeing the federal reserve support. And I just  
19 really think our -- the fact that we don't have a  
20 portfolio now and we're coming in post. And as this plays  
21 out -- and it's possible, you know, the world goes back to  
22 being a great place and it's also possible, you know, we  
23 have some more hiccups. And I think, you know, we'll be  
24 positioned to do that.

25 COMMITTEE MEMBER PEREZ: Yeah. I mean, I wasn't



1 questioning her discernment at all, not at all. I was  
2 just trying to -- trying to figure out where I can put  
3 that little bucket in my brain.

4 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

5 Totally agree and I didn't think you were. It  
6 just -- it is an area that we think has less players in it  
7 and potentially where the compensation for taking his  
8 success better than taking it in markets where the federal  
9 reserve is a real dominant player.

10 INTERIM MANAGING INVESTMENT DIRECTOR HSU: One  
11 thing I want to mention is that the middle market in the  
12 United States is one-third of the U.S.'s economy. Okay.  
13 So if you think about, you know, the public markets that  
14 they are so big and then we know their names, the  
15 Microsofts of the world. They are very, very, big, but  
16 they are -- you know, there's still substantial amounts  
17 of -- this is not the mom-and-pop shop, but this is your  
18 real economy, like one-third of the U.S. economy.

19 And if you put it into the world, they are  
20 probably like number seven among the world in terms of the  
21 size of it. So this is a significant portion of the U.S.  
22 And then they buy employment count, the middle market  
23 itself in the United States hires the most of our  
24 employees. It's the biggest employer in the United  
25 States, is the sector of middle market versus like a big

1 one, or the mom-and-pop shops. So it is an important area  
2 that we just need somebody to lend money to them that they  
3 can continue to operate and thrive.

4 Does it come with risk? Yes, of course. They're  
5 a much smaller company. There's just the big -- the big  
6 names that we know about in the public markets. But it is  
7 because of this higher risk that we are able to price it a  
8 little bit higher to earn the spread. And then that's how  
9 we can try to get a little bit more return.

10 There are times that when everybody is chasing  
11 this, so that a spread compress to be very, very similar  
12 to the investment grade, then we know, at that time, that  
13 we should, you know, stop it, or slow our pace, or this is  
14 the underwriting standard is being changed to be so loose.  
15 We should have some discipline.

16 But just as Arnie said, you know, right now, we  
17 are very lucky that we are coming into the market right  
18 now that we are like after the -- kind of like after the  
19 crisis and then we can relook at it. Look at what is the  
20 current value of the company, what is the projected going  
21 forward, cash flow of the company, and then size our loan  
22 accordingly.

23 At the same time, because this is private, so you  
24 have the ability to control what is the document needed  
25 and then what -- if there's any collateral they post on

1 it. The documents, the contracts later on will help us a  
2 lot in the recovery, in case that things go strong. So  
3 these are all the benefits that, you know, we were not in  
4 the current like troubled portfolios. We get like -- like  
5 a clean slate to go forward.

6 So I'm hoping that this can add incremental  
7 values to our return and then get us to the seven percent  
8 solution.

9 COMMITTEE MEMBER PEREZ: Great explanation.  
10 Thank you.

11 CHAIRPERSON TAYLOR: Thank you. Next question is  
12 from Ms. Brown.

13 BOARD MEMBER BROWN: Thank you. I want to follow  
14 up on Chair Taylor's comments about toxic debt. Although,  
15 I'm not -- I wasn't going to ask about things that had  
16 reputational risk. I'm actually just talking about actual  
17 risk. And so this is for Jean. We do all our  
18 underwriting in-house, is that correct, on this private  
19 debt?

20 INTERIM MANAGING INVESTMENT DIRECTOR HSU: The  
21 majority of our private debt, we are going to do external.  
22 So it is a GP/LP format using external manager. Yeah.

23 BOARD MEMBER BROWN: Okay. And we pay for that  
24 service, correct?

25 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Yeah,

1 we pay for it. Yes.

2 BOARD MEMBER BROWN: Okay. So -- so that I just  
3 want to make sure. So with this new private debt, we know  
4 or we believe that some loans will default. Some loans  
5 will default. But the security is worth a lot more and we  
6 are going to make sure when we make these loans, that we  
7 have first position, or second position, right, that we  
8 actually can get the security.

9 Because I've done a little of this in my past.  
10 And it's -- I found it difficult to get the security.  
11 There's a fight among a number of the people, where they  
12 are in the rank. And so how would we go about -- do that?  
13 Do we have staff that will do or does -- do we also use a  
14 consultant to -- when the loans default and we want to get  
15 basically control of the security so we could decide  
16 whether or not we're going to keep that security and  
17 manage it as our own asset, or if we're going to sell that  
18 asset. I just want to know how that is going to work.

19 And my concern is, is that this -- this private  
20 debt market isn't the same as it was the past 20 years,  
21 because the economy is so much different and there is so  
22 much unknown.

23 So I'm assuming that these -- some of the loans  
24 will default and that we'll need to get a hold of that  
25 security and either sell it or manage it. And I'm just

1 wondering how that process is going to work for CalPERS.  
2 And if that's closed session, you can tell me that's  
3 closed session, but I really want to know how that's going  
4 to work.

5 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
6 Margaret, I want to check with you that, are you talking  
7 about the one that we do int -- we do directly internally,  
8 which is a very, very small portion of it or are you  
9 talking about the one that we use the GPs to do it?

10 BOARD MEMBER BROWN: I think probably right now,  
11 because we didn't get that bill passed, it's the ones that  
12 we're using GPs to do it. So do they do all that work and  
13 they charge us all those fees to do that?

14 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Yes.  
15 The GP is in the position, because we are just a  
16 participant of the fund, right? So the GP are the one who  
17 is doing all the negotiation checks. And then in case  
18 that this thing goes wrong, they are the one who comes  
19 into it and to solve it.

20 BOARD MEMBER BROWN: Right. But since we were  
21 going to do it and eventually we might do it ourselves  
22 in-house, right, how were we going to manage these, if we  
23 ultimately can do it in-house ourselves?

24 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
25 So I think our goal was to -- the one that we are going to

1 do internally, it will be almost like -- you can think  
2 about it as a super senior position, if --

3 BOARD MEMBER BROWN: Right.

4 INTERIM MANAGING INVESTMENT DIRECTOR HSU: -- it  
5 were a public debt. Okay. What I mean by super senior  
6 is, okay, if you have like a manager, who's lending to the  
7 middle market -- oh, let's do it something like simpler.  
8 Let's say I have a real estate debt manager, who is  
9 lending to real estate equity partner, right.

10 BOARD MEMBER BROWN: Um-hmm.

11 INTERIM MANAGING INVESTMENT DIRECTOR HSU: So  
12 they will lend at let's say 70 LTV. Okay. And then they  
13 earn LIBOR plus 300 basis points. Okay. But they need  
14 financing. Okay. So CalPERS can come in just like any  
15 other banks can come in. So we will lend to this manager.  
16 So we will lend them at say -- you know, I'm making this  
17 up. Like, okay, LIBOR plus 100.

18 BOARD MEMBER BROWN: Okay.

19 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
20 So I will be on top of the capital structure. My LTV  
21 attachment point will probably be, let's say, 50 -- or 45  
22 to 50 LTV. Okay. So you can see that in this situation,  
23 the manager is equivalent to holding a mezzanine tranche  
24 versus I am the super senior tranche.

25 So the problem -- so we have like two -- like

1 three lines of defense. First of it is, okay, we are so  
2 high in the capital structure, so we are basically, you  
3 know, 0 to 50, right?

4 BOARD MEMBER BROWN: Okay.

5 INTERIM MANAGING INVESTMENT DIRECTOR HSU: So we  
6 are -- we have 50 percent of LTV. The probability of the  
7 real estate itself falling \$0.50 is probably smaller than  
8 it falling 20 percent.

9 BOARD MEMBER BROWN: Um-hmm.

10 INTERIM MANAGING INVESTMENT DIRECTOR HSU: So  
11 that is our first line of defense. Our second line of  
12 defense is who do I lend to? I'm not lending to the  
13 equity partner. I'm lending to this debt manager, right?  
14 So the debt manager they have some assets. They have some  
15 other collateral. Maybe we can do some, you know,  
16 arrangement to see what is collateral underneath it.

17 But it is until the debt manager does not pay me,  
18 then I have to take over, which is my third line of  
19 defense, the actual collateral, which is the underlying  
20 assets.

21 BOARD MEMBER BROWN: Right.

22 INTERIM MANAGING INVESTMENT DIRECTOR HSU: It can  
23 be an office building. It can be a multi-family  
24 residential, and then you'll have to take the -- to go in  
25 and take that -- take care of that.

1 I can -- I have two options, if it really  
2 happens. Number one is using the existing debt manager to  
3 do the handling of all of the default, and then, you know,  
4 either liquidate or taking care of the real estate  
5 property, or I can use our strategic partners in our real  
6 estate group who are all equity holders of different asset  
7 class. And then they will be able to help us to come in.  
8 And then either, you know, want to like liquidate the --  
9 liquidate the collateral, which is the real building or  
10 they can manage it to make it better.

11 So as we were developing this, we are working  
12 closely with our real estate department as well as the  
13 outside partners. So for every single securities that we  
14 go through, we actually had the outside strategic partners  
15 help us look into that and then tell us that, you know,  
16 how -- you know, what is the comfort level that they are,  
17 given that I am coming in at \$0.50 in the dollar, 50  
18 percent LTV, for this specific bidding in this city, in  
19 this subsector of the city, in this asset collateral?  
20 What is the projected, you know, population growth  
21 everything.

22 So we did -- I think we overdid the analysis. So  
23 hopefully this type of very defensive play will help us  
24 mitigate our possible losses in the future.

25 BOARD MEMBER BROWN: All right. And that's --



1 and that's what I consider to be the bigger risk, that we  
2 end up with the asset or we end up fighting for the asset,  
3 and then do we have a plan for that? And as long as your  
4 analysis is looking at that third level, that sort of that  
5 stopgap, and we still are going to, you know, not lose --  
6 I don't want to lose our investment. I mean, talk about  
7 not make the seven, or ten, or eight percent we think  
8 we're going to make, but that we don't lose the initial  
9 capital we invested. That's -- I mean, that's the risk  
10 I'm concerned about.

11 All right. So I appreciate the detail. And it's  
12 probably more than I should know as a Board member, but  
13 I'm really worried about this increased risk.

14 Thank you, Ms. Taylor.

15 CHAIRPERSON TAYLOR: Sure. Ms. Brown, I just  
16 want to also ask Jean sort of to comment on this, but I  
17 would think if we are doing the private loaning ourselves,  
18 we would have a better position than having it through  
19 another company, is that correct?

20 INTERIM MANAGING INVESTMENT DIRECTOR HSU: It  
21 really depends. Okay. Doing private loans ourselves, I  
22 don't think we have staff equipped with the skill sets to  
23 do that in the more complicated situation, especially when  
24 you are talking the real, what I consider like, you know,  
25 lower quality or more -- more complexity deals. What we

1 can do, as I just told Margaret, is that we can do at the  
2 super senior position, so that you insulate yourself  
3 further and further away from the underlying risk.

4 So those are the things that we can do  
5 internally. But, however, those -- those things that you  
6 earn much less, right? So -- in my example, I gave you  
7 you're like a -- I mean, like a LIBOR puss 100 versus the  
8 one that we're doing in the private debt right now. We're  
9 trying to achieve about seven percent.

10 So this is a very, very different caliber, very  
11 different risk taking. And then it requires different  
12 skill set. This is why that we need to use the outside  
13 management.

14 Another thing which is super important is for a  
15 lot of the higher return strategies, sourcing of the deal  
16 is essential. CalPERS historically does not have  
17 experience in this. So the ability to get access to a  
18 deal, that will increase your deal count, and then you can  
19 then, you know, filter it, and then pick up the one that  
20 you -- you think is real -- the risk-reward is more  
21 adequate. That is very, very important. And then that is  
22 something that CalPERS internally has less capacity to do  
23 that.

24 CHAIRPERSON TAYLOR: Okay. So I'm going to leave  
25 that there for right now, but it sounds like I'm going to

1 have some questions on that later.

2 Our next question -- oops, sorry -- is Mr. Jones.

3 Oh, I'm sorry, Ms. Middleton. My bad. Sorry.

4 COMMITTEE MEMBER MIDDLETON: That's all right.

5 Thank you, Madam Chair.

6 Jean, thank you for a really authoritative  
7 report. I appreciate it.

8 If I understood correctly, one of the numbers you  
9 were talking about is you added \$1 billion in  
10 opportunistic investments during the second quarter of  
11 this year, is that accurate?

12 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Is it  
13 \$1 billion of commitment. The deployment is 79, as you  
14 can see on the -- on the next page.

15 COMMITTEE MEMBER MIDDLETON: So that's new  
16 commitments that were added during this?

17 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Yes.  
18 And in all this, like the GP/LP format, it's a fund that  
19 usually have anywhere from three year to five years term.  
20 And then their deployment period is roughly three years,  
21 according to the project. So you can see then usually for  
22 a one billion commitment, you need to have three years in  
23 order to reach the full capacity.

24 COMMITTEE MEMBER MIDDLETON: Okay. And is a  
25 billion dollars a quarter in new commitments a pace that

1 you are comfortable with or is that somewhat faster or  
2 slower than you would like to see us taking on? And I  
3 know that depends in part on what opportunities present  
4 themselves, but there is -- there are capacity issues in  
5 terms of our ability to make good judgments on what are  
6 the right risks to take on.

7 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Yeah.  
8 I think this is -- your observation is totally correct.  
9 What I think is -- because of the COVID pandemic, our pace  
10 of able to commit is actually faster. Why? Because  
11 everybody is seeing that there is opportunities, so they  
12 open their fund to do fundraising. So CalPERS is in a  
13 very different situation versus 20 years ago when I first  
14 joined. Twenty years ago that, you know, when I by, you  
15 know, things in the market, I move the market, right?  
16 That's also in the public market.

17 It is no longer true that we have to see. People  
18 doesn't really want our money. You have to see who has  
19 the -- who's fundraising, so that you can see, hey, if  
20 there is opportunity that we can participate in it. Some  
21 of the funds, especially those very good performance  
22 funds, they only open to their existing shareholders or  
23 the existing LPs. So you will have to, you know, use a  
24 little bit of CalPERS. Okay. We say that we will -- we  
25 are going to be a very -- you know, a good partner,

1 strategic partner, you know, consistent partner, so that  
2 they're willing to give us a chance to deploy.

3 So now comes back to your comments. Yes, in the  
4 dislocation situation, the deployment is faster. I think  
5 today later on in the closed session, we will talk a  
6 little bit more about that.

7 COMMITTEE MEMBER MIDDLETON: All right.

8 INTERIM MANAGING INVESTMENT DIRECTOR HSU: But on  
9 the middle market, as I said earlier, assuming that the  
10 United States middle market, one-third of the economy, is  
11 not going to, you know, perish, okay, assuming that we  
12 still have that, I see that area is a place where we can  
13 have steady deployment. And then again, as I told Mr.  
14 Perez, when too many people chasing it, we should slow  
15 down. When there are not many people able to do it, we  
16 should accelerate.

17 I see it right now, because of the pandemic. A  
18 lot of people are portfolio -- they're liquidity  
19 constrained, so it gives CalPERS the opportunity. And it  
20 really -- I really think to the whole team total fund  
21 approach, and, you know, especially, you know, when Ben  
22 was here, that his vision about we have to have the  
23 liquidity dashboard. We established liquidity dashboard  
24 with our understanding of our use and source of liquidity.

25 We are then able to have this opportunity to

1 deploy into the private area. Otherwise, I think we will  
2 be -- you know, not be able to take advantage of this.

3 COMMITTEE MEMBER MIDDLETON: All right. Remind  
4 me again -- and thank you for that very good answer. What  
5 is the total amount that we have in Opportunistic Strategy  
6 right now and how much more do you want to place ni  
7 opportunistic?

8 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Okay.  
9 So the opportunistic strategies is basically, you know, if  
10 you want to see like the two big buckets. One is that the  
11 LLER we are -- we manage that is north of like a ten  
12 billion portfolio. And then on the opportunistic itself,  
13 I think the Board last time approved a five percent cap on  
14 it. So the five percent -- let's assume that our fund is  
15 400 billion, then a five percent will give us about  
16 roughly 20 billion. So that is the cap. It doesn't mean  
17 that we have to go there. It really depends on the  
18 Board's guidance on, you know, how much do you want us to  
19 deploy on that one, and then we will then follow your  
20 direction.

21 COMMITTEE MEMBER MIDDLETON: All right. Thank  
22 you. And knowing -- those -- being reminded of those  
23 numbers and seeing that you're moving at approximately a  
24 billion dollars in this past quarter, that's very  
25 reassuring in terms of the pace of what our investment is,

1 so thank you.

2 INTERIM MANAGING INVESTMENT DIRECTOR HSU: Thank  
3 you.

4 CHAIRPERSON TAYLOR: Thank you, Ms. Middleton.  
5 Our next question comes from Mr. Jones.

6 COMMITTEE MEMBER JONES: Thank you, Madam Chair.

7 Yeah, my question ultimately is is that if we  
8 are -- if we believe that this strategy will help us hit  
9 our return target of seven percent, if we believe that the  
10 necessary steps are being taken to -- to oversee this  
11 strategy to acquire those returns, I think that we need to  
12 move on it. Because I think too often over the years  
13 we've talked about strategies, and we continue to talk  
14 about them, and we look back two, three years later,  
15 everyone else have jumped on the board -- on board and  
16 implemented it, and we sometimes are still deciding what  
17 to do. And that goes to Jean's point about it, by that  
18 time, it's saturated, and so it doesn't make sense to get  
19 into it.

20 So my question to you, Jean, and maybe this is  
21 for Dan also, is do you have the resources to really  
22 execute what you believe needs to be executed? And so if  
23 not, then what would it take to provide the resources, so  
24 that we're not going in this -- into this new paradigm  
25 underfunding your resources that you need to execute. So

1 if we're going to go -- and as you said, the Board has  
2 already adopted a policy of up to five percent. But then,  
3 you know, sometimes you have to move faster than slower in  
4 order to get the benefits from the new strategy. So what  
5 are the resources that would be needed to execute in a  
6 timely manner on a pacing that you believe would be the  
7 appropriate pacing to implement this strategy?

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Mr.  
9 Jones maybe I'll -- maybe I'll jump in there. And thank  
10 you for the question. We appreciate the support around  
11 resources. This is a conversation Jean and I have had  
12 probably maybe a dozen times over the course of the past  
13 six or eight months. And we're trying to strike that  
14 exact balance. I do think that we have the resources that  
15 we need in place right now. We do want to be deliberate  
16 in building the team and in building the capability.

17 We -- you know, to Ms. Middleton's questions, we  
18 want to be also very deliberate in our pacing, in our  
19 committing of capital. If we get to a place where we  
20 think we have a constraint, certainly we'll come back to  
21 you. But I would say that one of the first things that we  
22 needed was just that ability to go to five percent of  
23 total fund from a policy language standpoint just so that  
24 we didn't have any sort of self-imposed constraints.

25 Now, as we continue to deploy, you know, we'll



1 looking at whether we can deploy in size, whether we need  
2 resources, whether we should have this be an actual  
3 allocation in the next -- in the upcoming asset allocation  
4 process. And in this sort of exploratory phase, I do  
5 think we have what we need and we'll -- we'll continue to  
6 monitor, and certainly we'll come back to the Committee as  
7 we -- as we need more.

8 COMMITTEE MEMBER JONES: Okay. Thank you.

9 CHAIRPERSON TAYLOR: Okay. I think our next  
10 person is Ms. Olivares.

11 COMMITTEE MEMBER OLIVARES: Thank you, Ms.  
12 Taylor.

13 This question is for Ms. Hsu. I wanted to get  
14 some clarity on what you said the middle market range is.

15 INTERIM MANAGING INVESTMENT DIRECTOR HSU: You  
16 mean, the range of we usually use the EBITDA size, so  
17 anywhere from 25 to 125. We're targeting any -- targeting  
18 right around seventy to a hundred.

19 So you have a range --

20 COMMITTEE MEMBER OLIVARES: Okay. That's our  
21 range. Okay. So -- Okay. Got it.

22 INTERIM MANAGING INVESTMENT DIRECTOR HSU: It's a  
23 big range.

24 COMMITTEE MEMBER OLIVARES: No, no, I know. And  
25 it can go down as low as ten. So I just wanted to be

1 clear where we are within that range. I think it might be  
2 helpful for the Board to see a quarterly report on middle  
3 market performance and what's happening. There are many  
4 available out. It's not something the team would have to  
5 put together, but it could show the flow of these funds  
6 work. Also, a chart of the capital structure, and so what  
7 senior secured means.

8 This is relatively complex. And so, I mean, I'm  
9 happy to send a link with this report, but I think it's  
10 better if it comes from the team, because I think it's  
11 easier to understand when there's a visual representation  
12 of this information and when it's compared to other asset  
13 types.

14 CHAIRPERSON TAYLOR: Okay. Thank you, Stacie.  
15 We can look into that.

16 COMMITTEE MEMBER OLIVARES: Yeah, I'll send a  
17 link to the team.

18 CHAIRPERSON TAYLOR: I think our next person is  
19 Mr. Miller.

20 VICE CHAIRPERSON MILLER: Yeah. I think most of  
21 my questions have actually been answered. So I just do  
22 want to say thank you for the very -- very comprehensive  
23 presentations, Ms. Hsu and the entire team. And I'm  
24 just -- I'm very encouraged that we continue to make the  
25 pro -- the progress that we're continuing to stay the

1 course. And whatever we can do to continue to support the  
2 team, I know it's turbulent times, but it's also times of  
3 opportunity. And we need to really, you know, keep our --  
4 our focus. And I'm glad that the Investment Office and  
5 the entire CalPERS team is doing that.

6 And so, you know, as Ben used to say, stay calm  
7 and carry on. And I'm really looking forward to -- you  
8 know, the next few months should be really eventful.

9 Thank you.

10 CHAIRPERSON TAYLOR: Thank you, Jean, for your  
11 presentation. Again, it was a very good presentation. It  
12 looks like all our comments are done. And I hate to do  
13 this, unfortunately, or we're not going to have lunch if I  
14 don't. We've got two more sessions. We've got real  
15 assets and private equity. And these are taking a little  
16 longer than I thought. So I want to call for a break for  
17 lunch from 1:00 to 1:45, if that's okay with everybody,  
18 and we'll meet everybody back here at 1:45.

19 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

20 Sounds, great. Thank you, Ms. Taylor. We'll see  
21 you at 1:45 and we'll have Greg all queued up to go on  
22 private equity.

23 Thank you.

24 CHAIRPERSON TAYLOR: Sounds good, Dan. Thank  
25 you.

(Off record: 12:59 p.m.)

(Thereupon a lunch break was taken.)

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1                   A F T E R N O O N   S E S S I O N

2                   (On record: 1:46 p.m.)

3                   CHAIRPERSON TAYLOR: We'll continue on our  
4 session with the next program.

5                   INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
6 Thank you, Ms. Taylor. All right. Up next, we move on to  
7 the private equity part of 6a. So Greg, I'll turn it over  
8 to you.

9                   MANAGING INVESTMENT DIRECTOR RUIZ: Thanks, Dan.  
10 Good afternoon. Thank you for the opportunity to provide  
11 the annual program review of the private equity asset  
12 class. I'd like to start with an overview of the  
13 structure of the presentation. I will begin with a few  
14 implementation highlights before moving into a discussion  
15 of the private equity asset class performance and the  
16 drivers of that performance, before concluding by touching  
17 on a few priority accomplishments and initiatives.

18                   On the next slide, slide 35 --

19   --o0o--

20                   MANAGING INVESTMENT DIRECTOR RUIZ: -- we lay out  
21 a few implementation highlights from this past year.  
22 These include -- we have expanded our partnerships with  
23 existing former and in some cases new managers. We've  
24 also had a disciplined expansion of our capital deployment  
25 with an explicit focus on increasing our overall cost

1 efficiency and diversification. And we commenced our  
2 strategic planning process.

3 On the next slide --

4 --o0o--

5 MANAGING INVESTMENT DIRECTOR RUIZ: -- slide 36,  
6 we give an overview of the private equity asset class  
7 performance. In any discussion of the Private Equity  
8 Program performance, I believe two -- there are two  
9 important principles to consider. The first is time. The  
10 goal of investing in the private equity asset class is to  
11 generate long-term capital appreciation. This leads us to  
12 focus on longer term performance. And individual year  
13 performance tends to be less meaningful than the five-,  
14 ten-, and 20-year performance.

15 This second important principle is that of  
16 measurement points. There are a number of complexities in  
17 assessing private equity stemming from the fact that there  
18 is not an investable benchmark, as is common with the  
19 public asset classes.

20 As a result, we engage multiple points of  
21 measurement, including performance relative to a policy  
22 benchmark, peer benchmarks, other asset classes, and  
23 absolute performance.

24 If I could point your attention to the top chart,  
25 we lay out Private Equity Program performance for the 20,

1 10, five, three and one year time periods. To ground you  
2 in the numbers, private equity generated a 7.5 percent  
3 return over the past 20 years, 10.4 percent over the past  
4 ten years, 6.6 percent over the past five years, 5.9  
5 percent over the past three years, and negative 5.1  
6 percent over the past year.

7 As mentioned earlier, the one-year performance is  
8 based on 3/31 valuations, a date which public equity  
9 valuations were near recent lows.

10 Relative to the information -- the same  
11 information we shared last year, private equity  
12 performance has deteriorated on an absolute basis across  
13 all time periods. If you look at the bottom chart on this  
14 page, we lay out performance versus the policy benchmark.  
15 Here, you will see the private equity performance exceeded  
16 the policy benchmark for all time periods. While we're  
17 working to position the private equity portfolio to  
18 durably outperform the policy benchmark over time, the  
19 outperformance seen here is unlikely to prove durable in  
20 the near term, stemming largely from the timing of the  
21 measurement period.

22 On the next page --

23 ---o0o--

24 MANAGING INVESTMENT DIRECTOR RUIZ: -- slide 37,  
25 we have laid out CalPERS private equity performance

1 relative to peer benchmarks, State Cambridge and State  
2 Street. I would note that these returns are presented on  
3 an internal rate-of-return basis, which is consistent with  
4 how these peer benchmarks are reported.

5 Here, you can see CalPERS Private Equity Program  
6 has underperformed peer benchmarks across all time  
7 periods, in many cases, by substantial margins. I believe  
8 the Private Equity Program's performance raises a few  
9 important questions.

10 First is has the Private Equity Program added  
11 value to the total fund over time?

12 I believe the answer to that question is  
13 categorically, yes. Private equity has outperformed  
14 CalPERS other asset classes over the longer term, and in  
15 doing so, has generated billions of dollars in additional  
16 returns as a result of our investments. Without private  
17 equity's contribution to the total fund over the past  
18 decades, we would have lower aggregate returns today.

19 I believe, however, there is a second important  
20 question that we need to ask ourselves, and that is has  
21 the CalPERS Private Equity Program performed at or near  
22 its potential? I believe the answer to that question is  
23 that it has not.

24 There are a number of complexities and nuances in  
25 answering -- in answering this question, but a few



1 significant drivers of underperformance over time stand  
2 out. Those are: One, a lack of consistent capital  
3 deployment; two, a lack of strategic consistency; three, a  
4 lack of diversification; and four, a lack of cost  
5 efficiency. We understand the reasons for the Private  
6 Equity Program's underperformance and believe these  
7 drivers are reversible over time.

8           So how do we move the Private Equity Program  
9 closer to achieving its potential? First and foremost, we  
10 focus on our people. Active and thoughtful engagement and  
11 alignment from the Board, through CalPERS senior  
12 leadership, through the Investment Office, and the private  
13 equity team are critical to our success.

14           We have an incredibly talented and dedicated  
15 private equity team. And I feel very fortunate to have  
16 the opportunity to work with such a committed  
17 purpose-driven, diverse, and high integrity group of  
18 people. Continuously cultivating our talent and  
19 developing our team will remain a top priority.

20           The second thing we need to focus on to move the  
21 program closer to its potential is consistency.  
22 Consistency is key and this is critical in two ways. The  
23 first is consistent capital deployment. So historically,  
24 we've been highly inconsistent with our capital  
25 deployment. And the truth is that has hurt us.

1           Consistent capital deployment does not guarantee  
2 success, but inconsistent capital deployment creates a  
3 self-imposed obstacle that is difficult to overcome. If  
4 we continue to deploy capital inconsistently, I would  
5 expect continued underperformance.

6           The second point on consistency that's important  
7 is consistency in strategic direction. We have cycled  
8 through strategies with too great a frequency. We are  
9 progressing through a strategic planning process now to  
10 clarify our direction for the coming five to ten years.  
11 And we've already completed the first phase of this work.

12           We are focused on a back-to-the-basics approach,  
13 deep partnerships with high quality managers, ramping our  
14 co-investment program, and integrating data into all  
15 aspects of the program.

16           The third area we're focused on and moving the  
17 program closer to its potential is diversification. The  
18 private equity market has evolved materially over the  
19 past decade and our portfolio has not kept pace. We will  
20 be focused on ensuring we have a diversified portfolio at  
21 the underlying investment strategy level moving forward.

22           The fourth area of focus is cost efficiency.  
23 Private equity is an expensive asset class. And in our  
24 case, this has been exacerbated by our historical  
25 implementation approach. We have the potential

1 meaningfully reduce the aggregate cost to the asset class,  
2 while deepening our partnerships with our managers by  
3 scaling our co-investment program.

4           We have begun this process and are seeing strong  
5 early traction working with our high conviction partners  
6 on this initiative. It would be difficult to understate  
7 the importance of our co-investment effort. By scaling  
8 our co-investment program, we have the potential to  
9 generate hundreds of millions, if not billions, in cost  
10 savings over the coming decades.

11           So these are the factors you will see the Private  
12 Equity Program focused on in the coming years. We'll  
13 focus on our people, on consistency in both capital  
14 deployment and strategic direction, thoughtful  
15 diversification, and cost efficiency.

16           On the next two slides, and we can flip to slide  
17 38 now --

18                               --o0o--

19           MANAGING INVESTMENT DIRECTOR RUIZ: -- we've laid  
20 out our priority accomplishments and initiatives. And I'd  
21 like to spend a couple minutes touching on a few of these  
22 before wrapping up.

23           On our priority accomplishments, this year, we  
24 reinitiated our internship program. This required  
25 significant effort across the Investment Office. But even

1 in the short period of time we had our interns join us  
2 this summer, we've seen the benefits. Our interns brought  
3 an energy, enthusiasm, and set of insights that were a  
4 wonderful addition to our program. And we look forward to  
5 continuing, and perhaps even expanding, this program in  
6 the years to come.

7 On the next slide --

8 --o0o--

9 MANAGING INVESTMENT DIRECTOR RUIZ: -- we touch  
10 on our priority initiatives. Here, one I'll touch on is  
11 our strategic planning process. We are soon commencing a  
12 second and final phase of that work. We view this as  
13 critical to firmly establishing our approach and we look  
14 forward to sharing our findings with you.

15 And lastly, we will seek to continuously deepen  
16 our focus and integration of ESG, and diversity and  
17 inclusion factors into our program.

18 On ESG, we have deepened our dialogue with our  
19 partners. And we have seen ESG integration into  
20 investment processes in varying encouraging ways, with  
21 many examples of it becoming a core part of our partner's  
22 underwriting processes, not only in ESG-specific funds,  
23 but across the broader underwriting.

24 We are also focused on diversity and inclusion  
25 factors, both internally as well as with our partners. We

1 are fortunate to have a diverse team and I'm very grateful  
2 to Sarah Corr and the other leaders of the program before  
3 her, who helped build such a robust foundation.

4 We view this as a constant evolution and we look  
5 forward to continuing to improve on these dimensions in  
6 the months and years to come. Thank you for the  
7 opportunity to share this overview of the Private Equity  
8 Program with you this afternoon, and I'm happy to take any  
9 questions.

10 CHAIRPERSON TAYLOR: Great. Thank you very much  
11 for this informative update. And I also wanted to thank  
12 Sarah, since you've switched positions, for her hard work  
13 through all the years on private equity as well.

14 I just wanted to -- I really am very impressed  
15 with how you want to build this out. You want to make a  
16 statement on that. But with the increased cost  
17 efficiency, were you talking about that like maybe, since  
18 we're going to try to be more consistent, does that mean  
19 we can get better transaction fees, management fees than  
20 we were getting?

21 MANAGING INVESTMENT DIRECTOR RUIZ: Yeah. That's  
22 a very good question. So I think the two go hand-in-hand.  
23 So the one major lever for us having -- increasing the  
24 overall cost efficiency of our program is ramping our  
25 co-investment program. For us to be a reliable

1 co-investing partner, we need to be consistent with how we  
2 deploy our capital, both to funds and to co-investing.  
3 You know, one dynamic at play with co-investment is more  
4 people would like co-investment than co-investment exists.

5           And so our partners are in a position where  
6 they -- they can choose to allocate co-investment among  
7 their LPs. So consistency and kind of having a deep  
8 partnership approach with RGPs is critical to us securing  
9 co-investment over time, which will help us lower the  
10 overall cost of the program.

11           CHAIRPERSON TAYLOR: Great. And then so I just  
12 wanted to say also as you move forward with private equity  
13 to achieve our seven percent return, I don't think it's a  
14 secret as a labor person, private equity isn't my favorite  
15 asset class. So when you talk about restructuring  
16 internal processes to improve underwriting and monitoring,  
17 and then you also talk about a deeper focus on integration  
18 of ESG and D&I factors. So one of the problems that we  
19 have with private equity is the process where private  
20 equity buys into something, and leverages it, and then  
21 ends up not paying their employees well or undermining  
22 their pension.

23           So I just want to make sure that part of the ESG  
24 factor is that we're -- we're trying to take care of our  
25 human capital management, our labor, our workers. I think

1 we're going to talk a little bit more about some of this  
2 in closed session. But it's important that we acknowledge  
3 that these things can end up being risk factors to us,  
4 whether it's reputational or monetary. I mean, if we look  
5 at what happened with Toys "R" Us, it was monetary and  
6 reputational.

7 Soy I just want to make sure, as we're doing our  
8 underwriting, that we are taking this factors deeply into  
9 consideration as we buy into funds.

10 MANAGING INVESTMENT DIRECTOR RUIZ: Yes. And in  
11 short, we are. You know, I think the -- the folks -- and  
12 by folks, I mean the GPs who have durably created value  
13 over time, I think have been focused on these issues far  
14 before discussion of ESG became more prominent, as we've  
15 seen in recent years.

16 But ESG certainly captures these factors you're  
17 talking about, Madam Chair, with the governance and the  
18 social touching on human capital. And I think you'd be  
19 hard fast -- hard pressed to find a manager who doesn't  
20 think that managing human capital and their own reputation  
21 are not critical to their -- to their own success.

22 CHAIRPERSON TAYLOR: I appreciate that, Greg.  
23 Sometimes I question that, as we run into different  
24 situations, and then get it brought to our attention. So  
25 I'm hoping that we can come up with a better strategy of

1 mitigating some of these problems that we get on the back  
2 end, after we've been invested for five to ten years  
3 already, so that we mitigate those in the future.

4 I know, as an asset class, it helps us achieve  
5 our seven percent solution. So I know we have to be here.  
6 I wish we were a hundred percent funded, and maybe we  
7 wouldn't, but -- I'm going to go on. I have two other  
8 questioners and that is Stacie Olivares first.

9 COMMITTEE MEMBER OLIVARES: Thank you, Madam  
10 Chair. This question is for Mr. Ruiz, I wanted to get  
11 your thoughts on the adequacy of the benchmark that we  
12 have for private equity.

13 MANAGING INVESTMENT DIRECTOR RUIZ: Yeah. You  
14 know, I think the in short, I'd say there's -- there's no  
15 easy answers for private equity benchmarking. There are,  
16 you know, two broad -- kind of very broad ways of doing  
17 it. One is to take some public market index and have a  
18 premium over that. And that's what -- that's what we do.  
19 And the other is to use peer benchmarking.

20 While all -- while our policy benchmark is a  
21 public index plus a premium, I'd share that we use all of  
22 these internally to look at our performance, and that's  
23 why we wanted to include both sets in the presentation  
24 today.

25 So I think what you'll see from us is, because



1 there is not an investable benchmark, you have a number of  
2 complexities. And rather than try and overly simplify  
3 those, we just engage on multiple points of measurement to  
4 try and see how our program is progressing through each  
5 different lens that those offer.

6 So, you know, I don't mean to equivocate here. I  
7 just -- there's -- I don't think there's any perfect  
8 answer and I think the policy benchmark we're using is a  
9 very -- very reasonable approach.

10 COMMITTEE MEMBER OLIVARES: Would you say the --  
11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And  
12 I'll --

13 COMMITTEE MEMBER OLIVARES: -- difference in the  
14 benchmark, that our CalPERS benchmark is significantly  
15 different from Cambridge and State Street?

16 MANAGING INVESTMENT DIRECTOR RUIZ: I just want  
17 to clarify your question. Is it do I think that the  
18 benchmarks are sufficiently different?

19 COMMITTEE MEMBER OLIVARES: No, statistically  
20 different, significant -- significantly different  
21 statistically. So if you look at the private equity  
22 indices, Cambridge and State Street --

23 MANAGING INVESTMENT DIRECTOR RUIZ: Um-hmm.

24 COMMITTEE MEMBER OLIVARES: -- there's incredible  
25 variance between their indices and ours.

1           MANAGING INVESTMENT DIRECTOR RUIZ: Um-hmm.

2           COMMITTEE MEMBER OLIVARES: And so I'm trying to  
3 reconcile that and whether or not we are using a benchmark  
4 that's appropriate.

5           MANAGING INVESTMENT DIRECTOR RUIZ: Yeah. So  
6 those -- your perception is absolutely correct. I mean,  
7 those benchmarks are quite different. So State Street and  
8 Cambridge are drawn from the peer universe.

9           COMMITTEE MEMBER OLIVARES: Um-hmm.

10          MANAGING INVESTMENT DIRECTOR RUIZ: So they are  
11 looking at the performance of, you know, peers -- broadly  
12 speaking, peers of CalPERS who are investing in private  
13 equity. Whereas, our policy benchmark is looking at a  
14 public index and adding a premium.

15           To me, what it -- what it boils down to a bit,  
16 and there are many other folks on our team that are --  
17 have a far more nuanced understanding of benchmarking than  
18 I do. But to me what it boils down to is what's the aim?  
19 And so if the aim is to generate the highest possible  
20 returns in the asset class, you know, I think there you  
21 might kind of drift more towards using peer benchmarks.  
22 If the aim is to generate return -- attractive returns  
23 relative to your next best alternative, I think you may  
24 lean more towards using public indices plus a premium.

25           And my sense is our aim is more the latter. And

1 so I do think there's some consistency in our aim and our  
2 benchmark, but there, of course, are -- you know, there  
3 are many ways to approach it.

4 COMMITTEE MEMBER OLIVARES: What's our --

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And  
6 maybe I'll just jump in quickly here.

7 COMMITTEE MEMBER OLIVARES: That's fine. Sure.

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I'm  
9 sorry, Ms. Olivares. I'll just jump in. I'll say that,  
10 you know, this is part of our migration towards thinking  
11 total fund as to Greg's point there, thinking through the  
12 fact that if the money is not sitting in private equity,  
13 it's probably in public equity. That's one of the reasons  
14 why we migrated to a total fund benchmark -- to a public  
15 equity benchmark plus a premium for private -- for private  
16 equity.

17 And I'll say if you look at the history of our  
18 private equity benchmarking, and I think I mentioned this  
19 either the last meeting or the one before, that it's a  
20 real Frankenstein history. There's lots of things linked  
21 there. And some of those are peer benchmarks.

22 And to Greg's very first comment, benchmarking in  
23 private assets, and this is as a public assets person, is  
24 inherently frustrating, because there's not a good  
25 benchmark, and it's replicable the way that it is in the

1 public markets.

2           But I'll say that when we measure -- when we look  
3 at how we achieve success, this is Greg's point, that we  
4 look through lots of lenses. But when we look at  
5 whether -- you know, how we want to benchmark it at total  
6 fund level and whether we know -- you know, because the  
7 alternative for us, if it's not in private equity, it's in  
8 public equity, we concluded that the best way to sort of  
9 drive that culture was to actually use a public markets  
10 plus a premium benchmark.

11           COMMITTEE MEMBER OLIVARES: Yeah, I understand  
12 that. Thank you. I -- what I guess I'm a little unclear  
13 on is the 150 bps too. So for Mr. Ruiz, what would you  
14 say the average total fee is for private equity  
15 investments, all in?

16           MANAGING INVESTMENT DIRECTOR RUIZ: Yeah. We  
17 have -- let's see, how do I -- so if we can jump to  
18 slide -- let's see 88 of 88.

19           No. Sorry, 81. So here, we've laid out the fees  
20 that we pay. And I'd focus you in on the external  
21 management. So for the past fiscal year that just ended,  
22 we had total fees of 224 basis points. And that is a  
23 combination of both management and performance fees.

24           COMMITTEE MEMBER OLIVARES: So if I'm looking at  
25 this mathematically, if we're looking at the -- if we go

1 back all the way up to, what is it, thirty -- slide 36, I  
2 want to -- no. I'm trying to find it.

3 Right. Okay. So the cap-weighted benchmark plus  
4 150 bps and our average fee exceeds 150 bps.

5 MANAGING INVESTMENT DIRECTOR RUIZ: Um-hmm.

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

7 Right. So but bear in mind that what you're  
8 seeing on the screen is net return, so the returns that  
9 you're seeing in the private equity performance --

10 COMMITTEE MEMBER OLIVARES: Um-hmm.

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

12 -- is actually already net of that of all the  
13 performance fees and carry.

14 COMMITTEE MEMBER OLIVARES: It's pretty narrow  
15 though.

16 MANAGING INVESTMENT DIRECTOR RUIZ: Well, I think  
17 you're hitting on a real important point, which is, given  
18 the costs associated with the asset class, the asset class  
19 needs to deliver returns -- net returns that -- or gross  
20 returns, kind of in excess of what we could get such that  
21 on a net return basis we still see outperformance.

22 So that is -- what you're putting your finger on  
23 is a constant headwind. And I think for us to continue to  
24 deploy to the asset class, we need to believe that on the  
25 net basis, we can still see outperformance.

1 COMMITTEE MEMBER OLIVARES: Absolutely. And I  
2 think private equity is an important asset class. It's  
3 like would you get rid of an entire food group, especially  
4 if you're a large institutional investor? And the answer  
5 is likely no.

6 But I want to make sure that as we have -- as we  
7 structure our benchmark and we look at our performance and  
8 the fees, that we perhaps take another look at how -- how  
9 this appears, especially externally. I think it might  
10 create a little bit more confusion. Just food for  
11 thought.

12 MANAGING INVESTMENT DIRECTOR RUIZ: Okay.

13 CHAIRPERSON TAYLOR: All right. Any other  
14 questions, Ms. Olivares?

15 COMMITTEE MEMBER OLIVARES: No, thank you.

16 CHAIRPERSON TAYLOR: Thank you.

17 So my next question is from -- boy, I need new  
18 glasses -- Margaret Brown.

19 Ms. Brown?

20 Okay. How about Ms. Paquin. I'm not hearing Ms.  
21 Brown.

22 ACTING COMMITTEE MEMBER PAQUIN: Thank you, Madam  
23 Chair and thank you so much for the presentation. I  
24 appreciated it. I was curious about the conversation  
25 around diversity and inclusion and I was wondering what

1 steps CalPERS has taken or could take to really work with  
2 our partners at their fund level, and also in the  
3 portfolio company level to increase diversity and  
4 inclusion.

5           MANAGING INVESTMENT DIRECTOR RUIZ: Um-hmm. Yes.  
6 Thank you for the question. So this has become -- you  
7 know, become a topic of much focus, but the importance has  
8 always been there. And I think what you're seeing from us  
9 now is a deeper set of dialogues with our partners and  
10 we're leading some of those and our partners are leading  
11 some of those. And we're seeing a focus on this across  
12 the private equity industry that I think is incredibly  
13 encouraging.

14           And one aspect of private equity that I think is  
15 conducive to this is because our managers have a  
16 substantial, if not majority, ownership position in the  
17 companies they invest in, we're actually seeing an ability  
18 for them to roll through some of these changes, even on an  
19 expedited basis, relative to what we're seeing in other  
20 parts of the market.

21           So I think what you can expect from us -- and  
22 I -- in my comments, I mentioned it. I mean, I think it  
23 starts with -- with us looking at ourselves internally.  
24 And I think we've done a good job there, but I think we  
25 constantly need to improve. Start looking there. It

1 flows out to dialogues with our partners, and that flows  
2 into how companies are actually run.

3 ACTING COMMITTEE MEMBER PAQUIN: Thank you.

4 And are you working on this issue with other  
5 institutional investor as well?

6 MANAGING INVESTMENT DIRECTOR RUIZ: So I guess  
7 what would you mean by that?

8 ACTING COMMITTEE MEMBER PAQUIN: Well, you know,  
9 I think that this has become a topic that other large  
10 investors, public investors are looking at. And so I  
11 don't know if there's some kind of --

12 MANAGING INVESTMENT DIRECTOR RUIZ: Um-hmm.

13 ACTING COMMITTEE MEMBER PAQUIN: -- a movement to  
14 partner or to work together on this, the way we do with  
15 other types of engagements.

16 MANAGING INVESTMENT DIRECTOR RUIZ: Yeah, that's  
17 a really good question. I mean, what we do now is we're  
18 kind of active in constant dialogue with other kind of  
19 large peer institutions. We have not formalized anything  
20 specifically around this with those institutions, but I  
21 would say we're certainly seeing common efforts across all  
22 of us, and we're sharing knowledge between all of us. So  
23 I think it's a good point and something we might want to  
24 give some thought to as to kind of if and when formalizing  
25 that could be a healthy step.



1           ACTING COMMITTEE MEMBER PAQUIN: Thank you.

2           CHAIRPERSON TAYLOR: Thank you, Ms. Paquin.

3           Mr. Rubalcava, sorry about that.

4           COMMITTEE MEMBER RUBALCAVA: Thank you, Ms.

5 Chair. Mr. Ruiz, thank you for the presentation. I  
6 really enjoyed it. And I'm very satisfied to see your  
7 fifth point on page 39, the deeper focus on integration of  
8 ESG and D&I factors. And I'm glad my colleagues are  
9 raising questions regarding that.

10           I had a question written down, but you'd sort of  
11 addressed it. I was going to ask how -- how do you do  
12 that deeper integration. And you mentioned working with  
13 partner managers and also the underwriting process. So  
14 can you explain what is the underwriting process to make  
15 sure that there's deeper integration and focus on ESG and  
16 diversity and inclusion factors, please.

17           MANAGING INVESTMENT DIRECTOR RUIZ: Yeah. I'd be  
18 happy to. And I think we're -- we're seeing this take  
19 place at two levels. So there is our underwriting  
20 process, when we underwrite managers. And there, we both  
21 solicit and receive information on their approach to these  
22 areas. And we bring that in and it's part of our  
23 assessment and our discussions.

24           So that's kind of the one level. You know, the  
25 other level we're seeing it take place at is at our

1 managers themselves. So there, we're seeing the  
2 integration of these factors, the ESG factors, into their  
3 underwriting processes. And for me one of the -- one of  
4 the most encouraging developments is the way we have seen  
5 this transition into the core business underwriting of a  
6 number of our partners.

7 So, you know, there was a time when these may  
8 have been discussed only with ESG-specific funds. And  
9 while that market segment has seen significant growth,  
10 it's still relatively modest compared to the broader  
11 private equity market. But when we see the integration of  
12 ESG factors into the underwriting of our partners' core  
13 businesses, it actually to me is showing that there will  
14 be a much bigger impact, because that's overwhelmingly  
15 where the dollars and the industry reside.

16 COMMITTEE MEMBER RUBALCAVA: Thank you. And I  
17 also was very -- it was good to hear the Chair talk about  
18 human capital, and you mentioned in the affirmative that  
19 that's something you look at. I also want to take this  
20 time, since it's the first time I asked a question, to  
21 thank you, and also Ben, and all the staff for keeping all  
22 the staff, or keeping focus during these uncertain markets  
23 situation by COVID, and doing what you have to do, and  
24 protecting the liquidity.

25 And also, I like the word someone said, taking

1 advantage of the dislocations of the market.

2 So thank you. Thank you, Ms. Chair.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

4 Thank you, Mr. Rubalcava.

5 CHAIRPERSON TAYLOR: Thank you, Ramon and thanks  
6 for being patient. Sorry about that.

7 My next person is -- hold on a second. I lost  
8 everybody now. Was -- did Margaret want to ask a question  
9 or were you just letting me know I missed Ramon.

10 If not, it looks like I've got -- oh, Margaret,  
11 you did have a question.

12 Margaret, are you there?

13 COMMITTEE MEMBER PEREZ: You're muted, Margaret.

14 No.

15 CHAIRPERSON TAYLOR: No, she can't get in.  
16 Margaret, you want to work with somebody to get you in or  
17 send us your question a via the chat.

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

19 Yeah, Ms. Taylor, she just us the thumbs up for  
20 that. She'll work with getting -- getting access.

21 CHAIRPERSON TAYLOR: Okay. Good. Good.

22 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

23 Thank you.

24 PRESIDENT TAYLOR: Okay. Good. Good. So then  
25 it looks like I don't have any additional questions. But

1 let's make sure that whatever Margaret's question is, Dan,  
2 I'll get it to you and Greg.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

4 Great. Thank you. And with that, if we're done  
5 with questions, I think we're -- we're ready to move on to  
6 real assets, and Sarah Corr. So, Sarah, over to you.

7 CHAIRPERSON TAYLOR: The dog chewed her cable,  
8 just FYI. That's hilarious. I'm sorry, Margaret.

9 MANAGING INVESTMENT DIRECTOR CORR: All right.  
10 Can everyone hear me?

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.

12 MANAGING INVESTMENT DIRECTOR CORR: Good  
13 afternoon, Investment Committee members. Sarah Corr, Real  
14 Assets MID. Before I get started, I would like to thank  
15 the entire Real Assets team for their support of me during  
16 my onboarding process. There's been a lot to learn and  
17 they have been very patient with me. As I sit here before  
18 you, I want to emphasize that the preparation of this  
19 presentation was a total team effort, not just in the Real  
20 Assets Unit, but also from many areas of the Investment  
21 Office. It's another example of the one-team approach  
22 we've been talking about today.

23 In last year's annual program review, my  
24 predecessor, Paul Mouchakkaa, commented that he did not  
25 know when the next downturn would come, but that it would.

1 He stated that being consistent and disciplined would be  
2 important if real assets were to continue to provide  
3 stable cash yield and inflation protection, roles that  
4 real assets perform for the total fund.

5 As I sit here before you in these uncertain  
6 times, he could not have been more correct. It is too  
7 early in this cycle to know the true impact of COVID on  
8 the real estate and infrastructure programs. However, if  
9 we make a consistent deployment pace and strong  
10 governance, remain disciplined in our underwriting and  
11 internal monitoring protocols, the real assets portfolio,  
12 which are predominantly core, should be positioned to  
13 weather the storm and continue to provide stable income to  
14 the system.

15 Next slide, please.

16 --o0o--

17 MANAGING INVESTMENT DIRECTOR CORR: Looking at  
18 the past year, the Real Assets team had a productive year  
19 with a continued focus on acquiring core assets. CalPERS  
20 managers made acquisitions during the period totaling \$3.6  
21 billion of equity. Over 95 percent consisted of core  
22 assets.

23 For the continued use of the annual investment  
24 process for its separate accounts, staff have been able to  
25 better align the focus of the managers with CalPERS

1 desired exposures. Further, the Real Assets staff  
2 continues to benefit from skills resident in other areas  
3 of the Investment Office, whether it is market perspective  
4 from global fixed income, hedging guidance from ESS, or  
5 research insight from RSG.

6 This is not to say that real assets has not faced  
7 challenge. COVID-19 has had a negative impact on certain  
8 infrastructure and real estate sectors namely  
9 transportation and retail. It is too early to tell how  
10 protracted and deep the impact will be. However, staff  
11 continues to be in close contact with our managers and is  
12 closely monitoring the situation.

13 Next slide, please.

14 --o0o--

15 MANAGING INVESTMENT DIRECTOR CORR: While the  
16 portfolio continues to experience performance challenges,  
17 it has met an important role providing -- providing stable  
18 income to the total fund. And for the past five years,  
19 the portfolio has provided income of three and a half to  
20 four percent.

21 Although longer term, the portfolio has  
22 underperformed the benchmark, it has exceeded the expected  
23 return of the asset class adopted by the -- as part of the  
24 last ALM process.

25 Additionally, the Corps real estate portfolio,

1 which represents over 70 percent of real assets, did  
2 exceed the benchmark in the one-, three-, five-, and  
3 ten-year periods. Conversely, the non-strategic portfolio  
4 continues to be a drag on performance.

5 Infrastructure continues to provide attractive  
6 returns in the portfolio. The underperformance in the  
7 one-year is due to older commingled funds and the impacts  
8 of COVID-19 on infrastructure transportation assets.

9 Next slide, please.

10 --o0o--

11 BOARD MEMBER BROWN: Hello?

12 MANAGING INVESTMENT DIRECTOR CORR: Priorities in  
13 2019-2020 remain similar to previous years. Staff's  
14 consistent focus on core exposures has successfully moved  
15 real assets to 56 percent core in 2015 to the current  
16 exposure of 85 percent. Staff continues to guide managers  
17 to improve the quality of the portfolio and so as the  
18 non-strategic holdings.

19 This repositioning should serve the portfolio  
20 well during the current market environment. In order to  
21 help increase exposure to infrastructure, the team has  
22 been focused on expanding the business model. Activities  
23 included forming new and refining existing separate  
24 accounts, as well as committing to infrastructure funds  
25 with top tier managers.

1           The manager alignment model used in real assets  
2 has provided staff with transparency required to monitor  
3 the impact of COVID in real-time.

4           Next slide, please.

5                           --o0o--

6           MANAGING INVESTMENT DIRECTOR CORR: The focus n  
7 the current year will be to -- will be to develop the  
8 five-year strategic plan. The emphasis on core assets  
9 will serve the total fund well, and it's unlikely to  
10 change with a new strategic plan. However, this part of  
11 the ALM process, staff will collaborate with RSG and TLPM  
12 on the role of real estate. The output of that process  
13 will be incorporated into the strategic plan as needed.  
14 Staff continues to reposition the portfolio. Efforts here  
15 include diversifying the portfolio with the goal of  
16 decreasing exposure to retail and non-strategic holdings  
17 and increase in exposure to infrastructure, including  
18 renewables.

19           Real assets staff has embraced, and continues to  
20 focus on, the INVO vision of one team with a culture of  
21 respect, trust, and accountability.

22           In closing, I would like to underscore how  
23 important maintaining a disciplined and consistent  
24 approach is to delivering long-term returns. We have seen  
25 the negative outcome that can happen when we do not. If



1 we stay the course, continue to focus on governance, and  
2 maintaining measured deployment, real assets should be  
3 able to contribute to the Investment Office mission, which  
4 is to generate returns to sustainably pay benefits. Doing  
5 so will require the support of the one-fund team and you  
6 the Board.

7 With that, I'd be prepared to take questions.

8 CHAIRPERSON TAYLOR: Thank you, Sarah, for the  
9 presentation. And you know what, I forgot to ask Greg,  
10 but I also want to ask you if you feel like you have  
11 enough resources. Do you have enough people, do you have  
12 resources you need to get to where you need to go for our  
13 seven percent solution?

14 So I guess I'll ask you, and I don't know if Greg  
15 is still available, but I wanted to make sure we ask that.

16 MANAGING INVESTMENT DIRECTOR CORR: So within  
17 real assets, my crew believes that we do. That will be  
18 something I look at as part of the five-year strategic  
19 planning process.

20 CHAIRPERSON TAYLOR: Okay.

21 MANAGING INVESTMENT DIRECTOR CORR: But from my  
22 initial read, I would say we do have enough staff.

23 CHAIRPERSON TAYLOR: Okay. Great. Great. I  
24 just wanted to make sure. Because I know, as we move  
25 along with this whole new strategy I want to make sure

1 that it's well resourced, so we can all be successful.

2 So I don't know is Greg there? I meant to ask  
3 that from you. That's okay. Dan, you can let me know.

4 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I  
5 believe we do have still have Greg. Greg, are you  
6 still -- do you -- are you still in the presenter room  
7 here?

8 MANAGING INVESTMENT DIRECTOR RUIZ: I am. Yeah,  
9 so, you know, what you're seeing is that we're evolving  
10 our strategy and there's some things we've done for a long  
11 time that we're going to keep doing. And there are  
12 some --

13 CHAIRPERSON TAYLOR: Right.

14 MANAGING INVESTMENT DIRECTOR RUIZ: -- some  
15 things that we haven't done, as much historically or at  
16 the same scale historically, like co-investment that we're  
17 going to be ramping. And so I'd say right now, I think  
18 our resources are appropriate for where we are right now.  
19 But when I look forward, you know, kind of five to ten  
20 years, I would not be surprised if we wanted to add  
21 resources in targeted areas as we, you know, branched into  
22 and built bigger books of business around some of these  
23 areas we've discussed.

24 CHAIRPERSON TAYLOR: Okay. Well, of course, and  
25 then we encourage you, as you find that, to bring that to

1 the Board. We want to make sure that we're successful and  
2 we're doing this as a team effort. So that's what I  
3 wanted to say. So thank you, Greg.

4 MANAGING INVESTMENT DIRECTOR RUIZ: Well, thank  
5 you. Certainly appreciate the support.

6 CHAIRPERSON TAYLOR: Okay.

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

8 Yeah. Thank you, Ms. Taylor. And certainly  
9 we've had that support from the executive team as well.  
10 And we'll -- we certainly -- we certainly see that  
11 support. And it, you know, as discussed this is this --  
12 this is a CalPERS strategy. And I feel like we've got  
13 coop -- you know, great support behind it. So thank you.

14 CHAIRPERSON TAYLOR: Certainly. All right. So  
15 the next question -- it looks like Mr. Rubalcava had a  
16 question that I don't know if it goes back to Greg or if  
17 it's for Sarah.

18 COMMITTEE MEMBER RUBALCAVA: It's for Sarah, Ms.  
19 Chair. Can we go back to page -- slide 41, please?

20 Thank you. Ms. Corr raised a couple times, you  
21 said that it's too early to know the impact of COVID-19.  
22 But I think one thing we've learned is the importance of  
23 having -- back to the human capital again, the importance  
24 of having safe buildings. So the recovery is not going to  
25 happen if people can't go back to work, tenants have to be

1 safe, the workers have to be safe. As I was coming back  
2 into my building, I had a -- they had -- they took my  
3 temperature, and give me a little sticker and everything.

4 So I guess the point is we need to -- for real  
5 estate to come back healthy, it's going to depend on the  
6 maintenance staff. It's going to depend on the security,  
7 the building. And so I just want to make sure that that's  
8 something we integrate into our real estate as we move  
9 forward, be cognizant of responsible contractor  
10 responsibilities and what have you. And I just want to  
11 make that point. I know you're transitioning to this role  
12 and I appreciate that, but I just wanted to make that  
13 point. Thank you very much. More like a comment than a  
14 question, I guess. Thank you.

15 MANAGING INVESTMENT DIRECTOR CORR: I can -- I  
16 can respond to that, if you'd like?

17 COMMITTEE MEMBER RUBALCAVA: Please. Please.

18 MANAGING INVESTMENT DIRECTOR CORR: Within our --  
19 within our office portfolio, the service workers, the  
20 security, cleaning crews that you mentioned, a very high  
21 percentage of them are actually unionized and SEIU  
22 members. And they are taking protocols, not only to  
23 ensure the safety of the service employees, but that  
24 they're cleaning the offices. Where they do have  
25 information that somebody there was exposed to COVID,

1 they're -- they're cleaning the offices where they do have  
2 information that somebody there was exposed to COVID very  
3 thoroughly, and they do clean all of the common areas  
4 every night. So they are taking good care of the  
5 buildings and of the service employees.

6 COMMITTEE MEMBER RUBALCAVA: Thank you.  
7 Appreciate the update.

8 CHAIRPERSON TAYLOR: Thank you, Sarah, because --

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And,  
10 Mr. Rubalcava, for what it's worth -- I'm sorry, Madam  
11 Chair. I was just going to mention that in November,  
12 we'll have a -- an information item on our Responsible  
13 Contractor Policy implementation, so we'll have another  
14 opportunity to hear from Anne Simpson and team about --  
15 about the overall Responsible Contractor Policy.

16 COMMITTEE MEMBER RUBALCAVA: Thank you for that.  
17 Looking forward to November meeting. Thank you.

18 CHAIRPERSON TAYLOR: Yeah, me too, because we --  
19 I think I need to share that we -- we have had some --  
20 hundreds of deaths within SEIU members, not necessarily  
21 within our portfolio, but who are in janitorial and  
22 security. So it's just a concern that we make sure our --  
23 our workers are also taken care of, so that we can open  
24 these businesses appropriately.

25 And I have one more question from Margaret, but I

1 also -- Sarah, I had a question, because I'm -- I've heard  
2 this and I think I asked it last time too, but I just  
3 wanted to ask about how -- we have some family units,  
4 right, in our real estate core, but we also have business  
5 units. So not -- I'm not so much worried about the rents  
6 on the family apartments or whatever, but I am kind of --  
7 I'm hearing -- a lot of articles I'm hearing -- I'm  
8 reading a lot of articles that are talking about  
9 businesses are now like, yeah, we're just going to  
10 telework from now on. So are we seeing that within our  
11 portfolio, people sort of pulling out of their leases, and  
12 saying, yeah, we're just sending all our workers home? Is  
13 that going to become a new normal for real estate?

14 MANAGING INVESTMENT DIRECTOR CORR: I think it's  
15 way to early to know what the long-term impact will be, if  
16 people will continue to work from home, if there will be  
17 some working from home part time, if the imprints need to  
18 be larger, because they need -- they're spending lots of  
19 compression in office space. So, I think it's just too  
20 early to tell right now.

21 There's, you know, some things that are  
22 definitely going to decrease demand and other things that  
23 could increase demand.

24 CHAIRPERSON TAYLOR: Okay.

25 MANAGING INVESTMENT DIRECTOR CORR: And also,

1 where the growth in the economy comes from. So I think  
2 it's a little early yet.

3 CHAIRPERSON TAYLOR: Okay. Well, again, Sarah,  
4 thank you. Welcome to real estate. And I have one more  
5 question -- oh, no, I have two more questions now.  
6 Margaret, does your cord work?

7 BOARD MEMBER BROWN: Does it work?

8 CHAIRPERSON TAYLOR: Yes.

9 BOARD MEMBER BROWN: Oh. It's a puppy. Darn.

10 All right. The dog ate my homework. First time  
11 I've used that.

12 Okay. I want to go back to page 37 of 88, and  
13 this is for Greg Ruiz back on private equity. And that's  
14 the table that has the peer universe benchmarks. And, you  
15 know, I don't recall us seeing this before. And I'm just  
16 wondering if this is something new that you've come up  
17 with or have we always done this and I just didn't notice  
18 how far off we were with our peers?

19 MANAGING INVESTMENT DIRECTOR RUIZ: Yes. Thank  
20 you. Thank you for the question.

21 We did not come up with this. But this is a  
22 method of benchmarking that exists and has existed for  
23 some time. I can speak for last year. I know last year,  
24 we did not include this information, because this is not  
25 our policy benchmark. We included it this year as a way

1 just to show kind of a broader set of measurement points  
2 for our performance.

3 BOARD MEMBER BROWN: Well, great. It's helpful  
4 to see. You know, I have -- as you probably recall, Greg,  
5 that I have consistently questioned the benchmark. I  
6 think it was before I got on the Board, maybe three years  
7 ago, when the benchmark for private equity was -- sort of  
8 the mix of the assets was rearranged and then you took it  
9 from -- the Board took it from 300 basis points to 150  
10 basis points.

11 You know, and so now we're -- you know, we're  
12 able to basically stumble over the benchmark. And I think  
13 it's too low. And so I hope we will continue to look at  
14 this. I also appreciate my colleague Stacie Olivares's  
15 comments as well. But I think this is important to know  
16 we are not -- we are not getting there. We are not  
17 getting enough bang for those bucks. And, you know, maybe  
18 it's fees, maybe it's other things, but -- maybe it's more  
19 co-investment. I know you're working hard on that and I  
20 do appreciate seeing some of those SMAs come up. You  
21 know, very nice.

22 But keep up the work. And I really do appreciate  
23 if we could take another look at our private equity  
24 benchmarking. Thank you.

25 MANAGING INVESTMENT DIRECTOR RUIZ: Thank you,



1 Ms. Brown.

2 CHAIRPERSON TAYLOR: Thank you, Ms. Brown. It  
3 looks like Henry. Mr. Jones, go ahead.

4 COMMITTEE MEMBER JONES: Okay. Thank you. Yeah.  
5 Just a question back I guess it's primarily related to  
6 private equity and real estate, but I know that it's the  
7 whole economy. But this whole issue of climate change  
8 where we have fires in the west and we have the hurricanes  
9 and tornadoes in the south and north south -- northeast,  
10 et cetera. Has that -- those events created any renewed  
11 focus of companies looking at climate change, as  
12 opposed -- I know we've been very active in this space for  
13 a long time and we've tried to encourage others to take it  
14 more seriously than they have. So have the events that  
15 have occurred over the recent past, has that created any  
16 new discussion on climate change, Greg and Sarah?

17 MANAGING INVESTMENT DIRECTOR RUIZ: Yeah, so --  
18 this is Greg. And I'm happy to respond. I think, you  
19 know, what -- what we're seeing is some of the recent and  
20 jarring events I'd say are increasing a dialogue that was  
21 already active and are increasing a focus on a set of  
22 issues that -- that were being -- being considered in a  
23 number of our investors' underwriting cases.

24 So I guess I would say I think it provides a  
25 strong tailwind to the deeper integration of ESG factors

1 into underwriting.

2 MANAGING INVESTMENT DIRECTOR CORR: Yes, I would  
3 answer it really, clearly there is impact to certain  
4 regions that have more exposure to climate impacts than  
5 others. We don't have any specific investment guidelines  
6 for initiatives around that. We do look at our exposures  
7 by geography, but we haven't made any changes.

8 CHIEF EXECUTIVE OFFICER FROST: And, Mr. Jones,  
9 one of the research projects that Anne Simpson and her  
10 team is working on is some zip code risk, that they can  
11 start informing the decision-making processes that are  
12 happening, both in real assets and private equity. I know  
13 that she'd be happy to give the Board an update on that  
14 work as well.

15 CHAIRPERSON TAYLOR: Is that sufficient, Henry?  
16 Oh, you're on mute.

17 COMMITTEE MEMBER JONES: No. My request is that  
18 I would like to have Ms. Simpson provide an update, if you  
19 can give that direction, Ms. Chair.

20 CHAIRPERSON TAYLOR: Yes, absolutely. We would  
21 like Ms. Simpson to give an update. Do you want it right  
22 now or do you want to -- I think --

23 COMMITTEE MEMBER JONES: No, it's --

24 CHAIRPERSON TAYLOR: -- we have it in closed  
25 session coming up.

1 COMMITTEE MEMBER JONES: Okay. I think --

2 CHAIRPERSON TAYLOR: Am I wrong, Marcie. I'm not  
3 sure.

4 COMMITTEE MEMBER JONES: Yeah, I think it -- I  
5 think it would be appropriate for public discussion of  
6 that as opposed to closed session.

7 CHIEF EXECUTIVE OFFICER FROST: Correct.

8 CHAIRPERSON TAYLOR: Absolutely.

9 COMMITTEE MEMBER JONES: It could be at the next  
10 meeting, because I'm sure things will -- you know, the  
11 fires are probably not going to be out in a month, so --

12 CHAIRPERSON TAYLOR: No.

13 COMMITTEE MEMBER JONES: -- they seem to be  
14 accelerating. So it would probably be more intuitive even  
15 then at the next meeting. Okay.

16 CHAIRPERSON TAYLOR: I have read so much  
17 information that I have forgotten, but I just read about  
18 Anne's zip code thing on climate change, which will also  
19 help us identify climate change issues that focus on -- or  
20 poverty areas where we know that's the case. And so I  
21 think that will be really insightful. So if we can make  
22 sure Anne brings that up in the November meeting, that  
23 would be awesome.

24 COMMITTEE MEMBER JONES: Okay. Thank you.

25 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes,

1 Madam Chair, I've made a note that we'll add that. And  
2 for what it's worth, I'll also mention on private equity  
3 that real assets completed its carbon footprint this past  
4 year for the -- the very first carbon footprint and  
5 private equity will be completing theirs this year. So we  
6 can get an update on all of that from Anne at the November  
7 meeting.

8 COMMITTEE MEMBER JONES: Okay. Thank you.

9 CHAIRPERSON TAYLOR: Thank you very much. It  
10 looks like that's all our questions if you want to move on  
11 to -- is that it? Are we done?

12 No, real assets. My bad.

13 Oh, we were in real assets.

14 Oh --

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I  
16 think we're complete. Are there any other --

17 CHAIRPERSON TAYLOR: Margaret, did you have  
18 another question that wasn't just for private equity? Did  
19 you have one for real assets also?

20 BOARD MEMBER BROWN: No. Just -- I'm waiting for  
21 attachment 3, so we're not there.

22 CHAIRPERSON TAYLOR: Okay. Okay. So then we're  
23 done here.

24 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

25 Although very quickly -- I'll just conclude us

1 very quickly, if that's all right.

2 CHAIRPERSON TAYLOR: Sure.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I  
4 really wanted to -- I really want to thank the team for  
5 all the hard work and preparation that went into providing  
6 this report today, as really -- as well as all the hard  
7 work that went throughout fiscal year 19-20. Obviously,  
8 there was a number of accomplishments here. And that work  
9 continues of course, every day. I really hope that the  
10 new format, this kind of consolidation of the trust level  
11 review and annual -- asset class annual program reviews  
12 really reflects our consistent evolution and progress  
13 towards our one-team one-fund culture and perspective.

14 You know, of course, it's the total fund that  
15 pays the benefits. We certainly seem to have lots of  
16 questions and engagement, which is really good, due to the  
17 critical nature of this item. So thank you to -- to you  
18 all for the time and thoughtfulness on this item.

19 In summary, we did not reach our seven percent  
20 return target. We're going to continue obviously to  
21 strive to do so. Our returns were positive in a very  
22 challenging market environment. We did beat our  
23 benchmark, despite the market volatility, but we know that  
24 seven percent is our north star, so to speak, and that's  
25 what we'll continue to strive for, despite navigating

1 these challenging market conditions.

2 We'll also continue to execute on the strategy of  
3 our five year strategic plan, enhancing our capabilities  
4 in private assets, looking to prudently and diligently  
5 apply leverage where it makes sense, and improving  
6 processes and utilizing technology, data, and good  
7 governance, while keeping an eye on cost effectiveness.

8 We'll continue developing our people, as we know  
9 that this team is made up of people that will drive  
10 success, not only now, but when the current leadership  
11 moves from being a team member to being pensioners  
12 frankly.

13 And finally, most importantly, we'll keep a laser  
14 focus on investment performance, as that underlies our  
15 ability to pay the promised benefits to our nearly two  
16 million members.

17 So unless we have any further questions, I think  
18 we can move on to Item 6b.

19 Madam Chair, do we have any -- any last  
20 questions?

21 CHAIRPERSON TAYLOR: I had -- I don't know if I  
22 have lost them. I had public comment on 6a from three  
23 people. Cheree, do we still have that?

24 I'm not hearing from anybody.

25 Cheree, are you checking?

1 MS. SWEDENSKY: Theresa -- yeah. Theresa, we do  
2 have public comment.

3 CHAIRPERSON TAYLOR: Okay. So go ahead with the  
4 public comment. I think our first one in line was -- I  
5 wrote it down. Hold on.

6 David Soares, is that correct?

7 STAKEHOLDER RELATIONS CHIEF FOX: That is  
8 correct, Madam Chair.

9 CHAIRPERSON TAYLOR: Okay. So go ahead.

10 MR. SOARES: Hello. This is David Soares with  
11 the Retired Public Employees Association of California.  
12 As you may remember, I'm a retired prosecutor, 32 years,  
13 in Silicon Valley.

14 And I'm directing my comments specifically at a  
15 Attachment 3 in Agenda Item 6a. The elephant in the room  
16 is of course, the recent resignation of Chief Investment  
17 Officer Ben Meng. His, of course, specific reasons were  
18 health and family, but I think we all know that it was  
19 because a recent investigation of his conflicts of  
20 interest with Blackstone, a private equity partner of  
21 CalPERS.

22 And so because of that, I think that we would all  
23 be very focused on reviewing CalPERS investments with  
24 Blackstone. Meketa's report last June specifically  
25 referred to 24 Blackstone vehicles that CalPERS partners

1 with, and specifically drew attention Blackstone Capital  
2 Partners VIII, which was the first Blackstone partnership  
3 that Mr. Meng entered into in March of 2019 soon after he  
4 came to CalPERS.

5           And as he noted in his statements to the press,  
6 he actually had disclosed that he had conflicts of  
7 interest with Blackstone in his January 2019 appointment  
8 Form 700. Well, I'm concerned, because in reviewing  
9 attachment 3, that investment, Blackstone Capital Partners  
10 VIII, is not included. And, in fact, there are only  
11 approximately 18 Blackstone vehicles, including ones that  
12 they have taken that are under other names, listed in  
13 attachment 3, which is the equity program review.

14           The billion dollar investment that Mr. Meng  
15 entered into, that was the ultimate cause of his  
16 resignation in March of 2020, Blackstone Core Partners II  
17 is not listed in attachment 3.

18           And then finally, there's another significant  
19 Blackstone partnership another \$500 million that has  
20 already been committed. Okay. It's over 490 million in  
21 that, and that is also not in attachment 3.

22           And one might wring this up to just somebody  
23 wasn't paying attention, except that we are all paying  
24 attention to a Blackstone investment. And it's  
25 particularly troublesome, because Board President Henry



1 Jones said to Bloomberg, in a email that was reported in  
2 Bloomberg on August 16th, that he was aware of these  
3 problems when the CEO was aware.

4 CHAIRPERSON TAYLOR: Mr. Soares? Mr. Soares, I'm  
5 sorry --

6 MR. SOARES: Now, my big --

7 CHAIRPERSON TAYLOR: -- you've exceeded your  
8 time, so we need to move on. You've exceeded your time.

9 MR. SOARES: That was three minutes, Ms. Taylor?

10 CHAIRPERSON TAYLOR: Yeah. Yeah. I let you go  
11 over, too.

12 MR. SOARES: Well, thanks. Thanks very much. I  
13 think I've made my point, which is you folks need to look  
14 at that report and see where these Blackstone investments  
15 are and why they're not being reported, because it's  
16 rather curious.

17 CHAIRPERSON TAYLOR: Thank you, Mr. Soares.

18 MR. SOARES: I think some members of this Board  
19 at least will agree.

20 Thank you, Ms. Taylor.

21 CHAIRPERSON TAYLOR: Mr. Fox, next.

22 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
23 Chair. Next in the queue is Robert Girling from CSU.

24 CHAIRPERSON TAYLOR: Mr. Girling, you have three  
25 minutes starting when you start.

1 DR. GIRLING: Thank you. Can you hear me?  
2 Hello?

3 CHAIRPERSON TAYLOR: Yeah, we can hear you.  
4 You have some background though.

5 DR. GIRLING: Thank you for the excellent report  
6 that you've made by Dan and his team. I am also concerned  
7 about the point that was raised by President Jones, the  
8 issue of climate change. We in California are having --  
9 living with the dramatic impact of climate change. And  
10 investments in the fossil fuel industry have been battered  
11 in the market. So I have really a two-part question.

12 Hello?

13 The first part is to what extent have CalPERS  
14 investments in fossil fuels exacerbated the volatility of  
15 the fund?

16 And the second part is that the New York  
17 retirement system recently increased employer  
18 contributions due to the growing market volatility. Do  
19 you anticipate that we'll need to require increased  
20 employer contributions for PERS? So those are the two  
21 questions I had.

22 Thank you for taking these.

23 CHAIRPERSON TAYLOR: So, Mr. Girling, I'm  
24 wondering if I can ask to have staff get back to you with  
25 answers on that?

1 DR. GIRLING: Yes certainly.

2 CHAIRPERSON TAYLOR: Okay. So, Marcie, if you  
3 can make sure someone gets -- thank you very much.

4 DR. GIRLING: Okay.

5 CHAIRPERSON TAYLOR: And then, Mr. Fox, our next  
6 person, please.

7 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
8 Chair. The next speaker is Mr. Al Darby of RPEA.

9 MR. DARBY: Committee members -- Madam Chair,  
10 Committee members, Al Darby, Vice President, Retired  
11 Public Employees Association.

12 My issue relates to Mr. Baggesen's presentation.  
13 His slide, I believe number 14, supplemental income plan  
14 performance. In that plan, he indicates that the  
15 Russell -- All Russell, which is all of the stock market  
16 almost, outperformed -- and that is U.S. stocks that are  
17 in the Russell, outperformed global equity -- excuse me,  
18 non-U.S. stock -- very dramatically over the past five  
19 years. Three years ago, it was identified that the  
20 CalPERS equities portfolio, global equities, all equities  
21 were overweight in non-U.S. stocks.

22 There is a dramatic difference between the  
23 performance of those two categories within our equities.  
24 And I'd like to know how many basis points each year we  
25 lost in the PERF by not having the fund being overweight

1 in U.S. stocks as opposed to non-U.S. stocks.

2 Ever since November 2016, the stock market has  
3 been going quite well and at the present time is about 50  
4 percent higher in the Dow than it was when Mr. Trump  
5 became president, and the NASDAQ is even doubled what it  
6 was. So U.S. stocks dramatically outperformed non-U.S.  
7 stocks over the past five years. And for three years  
8 we've known that the PERF is overweight the other way in  
9 non-U.S. stocks. I'd like to know the answer to why that  
10 condition still exists.

11 Thank you.

12 CHAIRPERSON TAYLOR: Thank you, Mr. Darby. I'm  
13 wondering, Dan, if you wanted to weigh in on attachment 3  
14 that Mr. Soares was talking about.

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

16 Sure, I'd be happy to, Madam Chair. As far as  
17 the -- and, you know, Greg or Sarah can speak more nearly  
18 about this, frankly. But as far as the Blackstone  
19 commitment not showing on attachment 3, attachment 3  
20 reflects capital that's actually deployed, you know, net  
21 asset value type capital. In the case of Blackstone,  
22 we've committed to that deal, but we haven't yet seen any  
23 capital get drawn down yet, which is why there's no --  
24 there currently no capital deployed.

25 CHAIRPERSON TAYLOR: Okay. Well, that's a simple

1 answer as to why it's not showing.

2           And then as to Mr. Darby's question, I think  
3 that, Mr. Darby, you certainly can -- we'll direct Dan or  
4 some of the staff to get back to you on that question.  
5 But I think it's been talked about before.

6           But in the meantime, let us move on to 6b.

7           BOARD MEMBER BROWN: Ms. Chair, I have a question  
8 on attachment 3.

9           CHAIRPERSON TAYLOR: Okay. Go ahead, Ms. Brown.  
10 Did I miss you?

11           BOARD MEMBER BROWN: Yes.

12           CHAIRPERSON TAYLOR: I did miss you. There you  
13 are.

14           BOARD MEMBER BROWN: That's okay. That's all  
15 right. So Dan, this is for you as well, and I mentioned  
16 this when I spoke -- the first time I spoke about the  
17 names. You know, I look at this list and I try and match  
18 it up to the CAFR, because I have no life. I also try and  
19 match it up to other announcements when we publicly say  
20 what our investments have been these partnerships.

21           And so while I'm talking about the names and it's  
22 important about the names, you know, I look at Blackstone  
23 Management Partners IV, but that's not the name -- we  
24 don't have a -- I don't know what that is, because we  
25 don't have a fund called Blackstone Management Partners IV

1 or V. I think -- I think we're getting confused on the  
2 names here. And I'm wondering where this list comes from.  
3 Does it come from the pars? I mean, I look at the very  
4 bottom and it says that three different companies put this  
5 together, I think I read at the bottom somewhere, that --  
6 State Street Bank, and our staff, and somebody -- another  
7 consultant puts this together.

8 But I'm wondering how we -- I just think we need  
9 to be very careful on the names, because it's -- it's like  
10 your title, you know, it has to be held in the correct  
11 name. And I think maybe we're getting a little mixed up  
12 on that.

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

14 Thank you, Ms. Brown. And to you point, I made a  
15 note of that when we talked about 5d, that we'll look at  
16 the consistency with the CAFR. We are certainly always  
17 trying to be as transparent as we possibly can, and that  
18 means avoiding confusion. So we'll -- we'll take a look  
19 at that and see what we can do to have those be as  
20 consistent as possible.

21 BOARD MEMBER BROWN: Yeah. If different people  
22 are preparing the reports, they need to not use a  
23 shorthand version. The name is very important, as I  
24 realized, when we invested in a VI and a VII, and then a  
25 VII LLPS. You know, you have all these letters and

1 numbers. And they're very close, but they're different  
2 funds. And I just want to make sure, so I can match it  
3 up.

4 Thank you.

5 CHAIRPERSON TAYLOR: Okay. Thank you. And,  
6 Cheree, am I understanding you that we have three more  
7 callers, is that correct?

8 MS. SWEDENSKY: That's correct.

9 CHAIRPERSON TAYLOR: Okay. Mr. Fox, go ahead.

10 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
11 Chair. You have -- the next caller J.J. Jelincic on  
12 private equity.

13 CHAIRPERSON TAYLOR: Okay. Mr. Jelincic, you  
14 have three minutes.

15 MR. JELINCIC: First, I'd like to thank whoever  
16 gave us the picture back on the website. About 2:20, we  
17 finally were able to see the speakers again.

18 But I noticed that the report on private equity  
19 failed to show cash flows. And that's important, because  
20 the whole purpose is to generate cash to pay benefits. I  
21 don't know why it wasn't included. However, when it has  
22 been included in the past, it has shown that the GPs and  
23 related parties take about 40 percent of the cash flow,  
24 and it's cash flow that pays the bills. The investors  
25 have a hundred percent of the risk.

1           One of the state -- one of the state pension  
2 funds in Pennsylvania released a study over the life of  
3 its PE program and showed a similar amount of money to the  
4 general partners. So it's not the CalPERS has done a poor  
5 job. It's the nature of the asset and the management  
6 structure. So you really do need to start looking at the  
7 cash flow.

8           One of the other issues that came up is the  
9 benchmark and the difficulty meeting the benchmark. I  
10 will just point out that we have a history, if we can't  
11 meet the benchmark, we lower the benchmark and that will  
12 solve the problem. But you really do need to look at the  
13 cash flows.

14           And again, thank you for whoever gave us the  
15 picture of speaker back.

16           CHAIRPERSON TAYLOR: Thank you.

17           Mr. Fox.

18           STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,  
19 the next two speakers are with the Private Equity  
20 Stakeholder Group. First up Alyssa Giachino.

21           CHAIRPERSON TAYLOR: Go ahead, Alyssa.

22           MS. GIACHINO: Hello. Good afternoon, Board and  
23 CalPERS staff. I want to give you an update on issues  
24 regarding asset manager private equity firm Leonard Green  
25 & Partners. As you know, Leonard Green owns safety net



1 hospital chain Prospect Medical Holdings, which owns  
2 hospitals across the United States, including six here in  
3 California. Over the course of its ownership, the Leonard  
4 Green led investor group has siphoned almost \$670 million  
5 from the hospitals in fees and bet-funded dividends.

6 Workers, Congress members, state legislators,  
7 community groups, and investors have all been raising  
8 concerns about Prospect Medical Holdings with Leonard  
9 Green for months. And yet, Leonard Green has not taken  
10 the necessary steps to resolve the issues.

11 Now, problems at Prospect's hospitals are getting  
12 worse. In Rhode Island, the State's Attorney General and  
13 Department of Health have delayed their process to review  
14 Leonard Green's proposed exit from the company, until they  
15 can investigate the dividends Leonard Green -- the Leonard  
16 Green-led group has extracted.

17 If August, Rhode Island Treasurer Seth Magaziner  
18 wrote a letter to Leonard Green saying that its harmful  
19 management of Prospect Hospitals have already left -- have  
20 left already-vulnerable communities of fewer health care  
21 resources, and that the Rhode Island State Investment  
22 Commission would not consider any future investments with  
23 Leonard Green.

24 In Connecticut, Prospect convinced the City of  
25 Waterbury to get Prospect-owned Waterbury Hospital an

1 almost 70 percent tax break in July. Just weeks later,  
2 Prospect outsourced Waterbury Hospital's entire IT  
3 department. You'll hear shortly I hope from one of the  
4 workers who lost his job.

5 Leonard Green has used the fact that it's  
6 investing on behalf of pension funds to justify its  
7 raiding of Prospect. As six members of Congress wrote in  
8 their July letter to Leonard Green quote, "Using the  
9 pension funds of public employees and other first  
10 responders as a cover for the harmful action Leonard Green  
11 has taken against these hospitals and healthcare workers  
12 is unacceptable and dishonest", unquote.

13 CalPERS is one of Leonard Green's biggest  
14 investors and should not allow itself to be used as a  
15 reason to loot critical health care resources. Please  
16 follow the lead of Rhode Island Treasurer Magaziner and  
17 stand up to Leonard Green to protect these safety net  
18 hospitals and their workers.

19 So we have several other speakers who are  
20 requesting to speak on this topic. It sounds like you  
21 listed one other, but I think there's a total of four of  
22 us, including myself, so three pending. But they may be  
23 somewhere else in the queue. So, hopefully, Kelly Fox and  
24 other staff can help make sure that we all get our  
25 comments in.

1 Thank you so much.

2 CHAIRPERSON TAYLOR: Thank you.

3 STAKEHOLDER RELATIONS CHIEF FOX: Madam -- Madam  
4 Chair, we only have one additional caller, just to let  
5 Alyssa know. The other two callers she referred to have  
6 not appeared in the call-in studio.

7 So our next caller Mr. Steve Schrig.

8 MR. SCHRIG: ...CalPERS to help a written  
9 community benefit -- Hello?

10 Should I start?

11 CHAIRPERSON TAYLOR: Yes, go ahead.

12 STAKEHOLDER RELATIONS CHIEF FOX: Yes, go ahead.

13 MR. SCHRIG: Hello? Yeah. Good afternoon. I  
14 will speak to the impact of Leonard Green Waterbury  
15 Hospital's triple dipping.

16 My name is Steve Schrig and I'm with the  
17 Naugatuck Valley Project. And we need CalPERS to help get  
18 a written community benefits agreement with Waterbury  
19 Hospital and to get the ten information technology workers  
20 their jobs back. We are dealing with a triple dipper here  
21 and I'll explain why.

22 Dip one, Prospect Medical Waterbury Hospital  
23 properly received a 70 percent tax break from the City of  
24 Waterbury valued at \$22 million. When the CEO, Lester  
25 Schindel discussed SARS related financial losses as the

1 reason to get the tax break, he did not disclose that the  
2 CARES money -- federal CARES money gave them \$26 million  
3 for Waterbury Hospital alone.

4 Waterbury city government claims that there has  
5 been a \$6.5 million real estate improvements. However,  
6 they sold all the property for the hospital to an Alabama  
7 corporation.

8 The state claimed that \$16 million in capital  
9 improvements, but Prospect Medical promised \$55 million in  
10 capital improvements. They claimed \$12 million in money  
11 given to the community. We have no signed agreement to  
12 make these resources to the community permanent. No  
13 transparency about where the money went.

14 Dip number 2, Prospect Medical received federal  
15 money totaling \$283 million, 45 million just for Waterbury  
16 Hospital. In addition, Connecticut hospitals also asked  
17 the state for \$450 million in July. Where is the money  
18 going?

19 Dip number 3, Prospect Medical, Leonard Green  
20 paid dividends and fees to themselves totaling \$658  
21 million. Where is the money going?

22 The impact. Waterbury Hospital outsourced the  
23 ten information technology jobs. An IT worker with 33  
24 years experience was being paid \$38 per hour with health  
25 care and a pension, was now offered \$13.50 per hour, a 20

1 percent increase in health care premiums, and no employer  
2 contributions to their pension. Where is the money going?

3 Here's the Waterbury Hospital Prospect Medical  
4 Leonard Green report card. Satisfactory character,  
5 failure, their refusal to negotiate a community benefits  
6 agreement.

7 Competence. The Committee on Joint Commission  
8 Review for the hospital was found that they were not in  
9 good shape several times. Grade, failure.

10 Continued access to quality health care. They --  
11 through an outsourcing, they endanger the IT department  
12 help desk, to help health care workers be able to use the  
13 computers they have is now overseas and inadequate.  
14 Grade, failure.

15 Continuing bonding by collecting bargaining  
16 agreement. They ignored the successorship clause when they  
17 outsourced the IT department. Grade, failure.

18 Triple dipping does not taste good to Waterbury.  
19 The Naugatuck Valley once had 40,000 jobs in the brass  
20 industry. They are all gone now due to corporations just  
21 like Prospect Medical Holdings and Leonard Green.

22 This hospital is an anchor institution with the  
23 largest concentration of good jobs in our community. We  
24 have been struggling to get a signed community benefits  
25 agreement from for-profit hospitals for the last ten

1 years.

2 For us to move forward, we need CalPERS to help  
3 rein in Prospect Medical Holdings Leonard Green to make  
4 sure that our hospital has the resources that it  
5 desperately needs for quality patient care and good jobs.

6 Thank you.

7 CHAIRPERSON TAYLOR: Thank you.

8 Are there any other people on the line, Mr. Fox?

9 STAKEHOLDER RELATIONS CHIEF FOX: Yeah, Madam  
10 Chair. We are screening one of the callers that Alyssa  
11 had referred to.

12 CHAIRPERSON TAYLOR: Okay.

13 STAKEHOLDER RELATIONS CHIEF FOX: As soon as we  
14 get them screened, I'll put them up.

15 CHAIRPERSON TAYLOR: Great. Thank you.

16 STAKEHOLDER RELATIONS CHIEF FOX: Okay. Madam  
17 Chair, we have Eddie Gadomski.

18 CHAIRPERSON TAYLOR: All right. Great, Mr.  
19 Gadomski, go ahead.

20 MR. GADOMSKI: My name, yes, is Ed Gadomski and  
21 I've been employed at Waterbury Hospital for the past 32  
22 years as a PC tech in the IT department. On August 3rd,  
23 ten of us were called into a conference room and were  
24 blindsided and told that September 1st we would be  
25 terminated. Our positions were being outsourced to India.

1 Three of the ten employees were analysts, and the other  
2 seven employees were PC techs and help desk. We were told  
3 that we could reapply for our positions and would be  
4 offered comparable wages and benefits to what we currently  
5 have.

6 As of September 1st, anyone calling the help desk  
7 is now speaking to a person physically located in India.  
8 Of the seven PC techs terminated, three accepted offers  
9 from the company R4, because they had no choice to do so.  
10 Two techs have underlying medical conditions and the third  
11 tech just bought a house, is married, and has three little  
12 girls at home.

13 All three techs apparently fit the R4 budget, as  
14 they accepted pay cuts to make a low- to mid-\$20 per hour  
15 wage. The remaining four PC techs were all offered the  
16 exact same pay of \$13.46 an hour with no counteroffer.

17 In my case, that is about one third of my salary  
18 after 32 years at the hospital. The four of us are now on  
19 unemployment during a national pandemic. In addition to  
20 the low pay rate offered, we were told we must find our  
21 own insurance. 4R is offering to pay 80 percent up to  
22 \$800 for a family. A family insurance plan in Connecticut  
23 is about \$2,000 per month.

24 R4 also wanted us to go on-call for free, then  
25 counteroffered with the hundred dollar weekly premium,

1 which is still a \$650 weekly loss for our IT tech on-call.

2 We are also losing our pension donation as R4  
3 will not contribute financial to any retirement plan. In  
4 my case, I'd be losing about 25,000 a year pay cut, and  
5 that is even before factoring in my \$13.46 pay rate.

6 The first week of September, the hospital has  
7 already hired another PC tech from the outside, instead of  
8 recalling one of the four laid off PC techs. I wonder if  
9 the new tech is making \$13.46 an hour. The PC techs are  
10 in the union contract that does have a successorship  
11 clause, which means the hospitals cannot legally terminate  
12 us as they did, but they simply don't care.

13 Arbitration could take weeks, or months to win,  
14 but we cannot afford to be unemployed that long. We are  
15 asking for your help to please investigate this wrongful  
16 termination as our families have been greatly impacted.  
17 Thank you so much for your time and attention to this  
18 matter.

19 CHAIRPERSON TAYLOR: Mr. Fox, is there anyone  
20 else?

21 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
22 Chair. We have one last caller. Mr. Dave Hannon.

23 CHAIRPERSON TAYLOR: All right. Thank you. Mr.  
24 Hannon, go ahead.

25 MR. HANNON: Hi. My name is Dave Hannon, and I'm



1 the Secretary-Treasurer of Connecticut Healthcare  
2 Associates, District 1199, the union that represents  
3 registered nurses and technical employees at Waterbury  
4 Hospital, which was purchased by Prospect Medical Holdings  
5 in 2015. I'm going to give you two examples of the safety  
6 and staffing issues that my members deal with at Waterbury  
7 hospitals -- hospital, issues that have increased  
8 exponentially during the pandemic, and have been  
9 exacerbated by Prospect's one overriding concern, its  
10 bottom line.

11           During the national shortage of personal  
12 protective equipment, my union forwarded Waterbury  
13 Hospital list of vendors to purchase PPE from. After a  
14 few weeks of hearing that there continued to be shortages,  
15 I contacted the vendors myself to see what the holdup was.

16           What they told me was both disheartening and  
17 unsurprising. The hospital was not going to purchase PPE  
18 from these vendors. Prospect wanted donations only.

19           Later, we learned that Waterbury Hospital  
20 received nearly \$50 million in PPP grants and forgivable  
21 loans, and another \$17 million tax break from the City of  
22 Waterbury. That money seemingly did not go back into  
23 patient care. It went to prop up the hospital's profit  
24 margin.

25           Three weeks ago, a nurse who works in the family

1 birthing center at Waterbury Hospital called because she  
2 needed a test for COVID-19 after being exposed to a co- --  
3 by a co- -- by a co-worker who had tested positive. The  
4 co-worker had returned to work after a vacation out of  
5 state, because Prospect required staff to go without pay  
6 or use their own paid time off to self-quarantine, thus  
7 disincentivizing workers to stay home.

8 To further compound the problem, Waterbury  
9 Hospital did not tell patients or staff that this employee  
10 had tested positive, potentially exposing hundreds of  
11 people for several case.

12 My member tested positive herself and exposed her  
13 elderly grandmother and her partner, who both live with  
14 her. Her partner went to work and exposed two departments  
15 of the defense contractor he works for, which had to be  
16 shut down for three days to decontaminate.

17 In the hospital, three additional co-workers  
18 tested positive, as well as several patients and newborns.  
19 There is no excuse for a hospital not to provide accurate  
20 contact tracing of and to its employees during a pandemic.  
21 Yet, time and again, Prospect fails to do this, because  
22 it's razor-thin staffing model doesn't allow for multiple  
23 employees out at the same time, even during a crisis.

24 Prospect -- Prospect simply refuses to spend the  
25 money it takes to provide safe, effective health care to

1 its patients or to provide for a safe workplace for its  
2 employees.

3 It is tempting to wright off some of this as hard  
4 decision-making during uncertain times. That is a  
5 charitable view. And after nearly six years dealing with  
6 Prospect, I am not inclined to view them charitably.

7 I feel strongly that CalPERS should work to  
8 disentangle its investments from Leonard Green and cease  
9 even indirect support of a health care provider that takes  
10 unnecessary risks with its patients and employees lives  
11 for the sake of its finances.

12 Thank you.

13 CHAIRPERSON TAYLOR: Thank you very much.

14 And, Mr. Fox, that was it?

15 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
16 Chair, that was the last caller on Item 6a.

17 CHAIRPERSON TAYLOR: All right. Thank you.  
18 Thanks to all of our callers that commented on Item 6a. I  
19 want to thank also the folks that brought up Leonard  
20 Green. As I stated before, these are some of the  
21 intrin -- intrinsic problems with private equity that I  
22 feel like needs to really be addressed as we move forward  
23 with investing more of our money. Leonard Green is just  
24 an example of a few of these companies that have been  
25 brought to our attention, but it is always the workers

1 that pay the price for us making our seven percent.

2 So I know we have to make that seven percent, but  
3 I think it's also important that we figure out a way to  
4 make sure that our human capital management is taken care  
5 of when we invest in these companies.

6 I think we're done.

7 I'm sorry. I hit a button there. Done on 6a  
8 finally.

9 So let's move on to 6b, which is our trust level  
10 review consultants reports.

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

12 Thank you, Madam Chair. Jared, if we could  
13 please move Tom Toth from Wilshire and then also Christy  
14 Fields and Steve Hartt from Meketa into the -- into the  
15 presenters room that would be great. And we can also move  
16 the presenters from the previous item, from 6a, we can  
17 move Eric Baggesen, Greg Ruiz, Jean Hsu, Lauren Rosborough  
18 Watt, and Sarah Corr, and Steve Carden back into the --  
19 the attendee room, please.

20 CONFERENCE MODERATOR: Okay.

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And  
22 with that, as you'll recall, this is our -- you know, this  
23 is the consultant's version of the trust level review and  
24 annual asset class program reviews. So I'll -- I'll turn  
25 it over to Tom to lead us through Wilshire.

1 Tom, over to you.

2 (Thereupon an overhead presentation was  
3 presented as follows.)

4 MR. TOTH: Thanks, Dan. Good afternoon. Tom  
5 Toth with Wilshire Associates. Madam Chair and other  
6 members of the Board, I appreciate the opportunity to  
7 discuss the market and the portfolio with you today. I  
8 don't want to shortchange Board discussion, so my comments  
9 will focus on items to really complement the economic  
10 review that Ms. Rosborough Watt provided earlier and the  
11 portfolio results that Mr. Baggesen and the rest of the  
12 team discussed.

13 I'll try not to simply reiterate points that they  
14 covered already. And I'm happy to answer Board questions  
15 on any item of interest as we go through this.

16 After the portfolio discussion, we'll move into  
17 Wilshire's independent review of the investment programs  
18 before I turn it over to my colleagues from Meketa.

19 Let's start with Wilshire's asset class  
20 expectations on page two of 55 in Item 6b.

21 --o0o--

22 MR. TOTH: This is a particularly important topic  
23 as the Investment Committee thinks about asset class  
24 expectations for risk and return and how they might impact  
25 the strategic positioning of the portfolio and its ability

1 to meet your return targets.

2 To start, you can really think about expected  
3 total returns as a collection of risk premiums, which sit  
4 on top of a risk-free rate of return. In this framework,  
5 the starting point of the risk-free rate has a really  
6 large impact on the expected total returns of riskier  
7 assets which the PERF invests in.

8 And much like the period following the 2008  
9 Global Financial Crisis, today's investment environment  
10 begins with zero yields on cash and cash equivalence  
11 driven by the swift Central Bank action during the  
12 pandemic. Unlike the post-GSC period, today's challenges  
13 are made considerably more difficult by the very  
14 compressed yield spreads between zero cash yields and the  
15 market yields priced into longer dated high quality fixed  
16 income instruments.

17 And this is a challenge that's further compounded  
18 by real concerns that the bond return pattern itself, and  
19 not just its final destination after our ten year forecast  
20 horizon maybe changing in a way that alters the utility of  
21 the asset within the portfolio. And to put it simply,  
22 because of the low starting point, high quality fixed  
23 income might not provide the same level of diversification  
24 against drawdowns of riskier assets as it has over the  
25 past four years.

1           So turning to the specific asset assumptions that  
2 you see on this page, I'll start with our fixed income  
3 expectations, which are down meaningfully as of the end of  
4 June with a core bond return expectation of 1.25 percent  
5 compared to 2.85 percent to start the year, and north of  
6 three percent one year ago.

7           Our expectations for equity returns have also  
8 moderated, given the sharp rally we've seen in Q2 of this  
9 year, after going through what was the fastest bear market  
10 in history in March.

11           Wilshire's expectations for global stocks are A  
12 return of 6.5 percent annually over the ten-year forecast  
13 horizon. In comparison, our return expectations for  
14 private equity, while lower than historical experience on  
15 an absolute basis, do offer a premium versus public  
16 markets of 1.65 percent.

17           Now, we're often asked the question of whether  
18 our outlook reflects either a bearish view on the economy  
19 or a belief that stocks are significantly overvalued.  
20 Now, while we utilize multiple forecasting models, which  
21 do take valuation into account, when you look at the  
22 current Wilshire assumptions suite and the expected risk  
23 premium associated with U.S. equities over that of core  
24 bonds, it sits right now at about 4.75 percent.

25           Historically speaking that's a very reasonable

1 risk premium, which suggests that based on our  
2 expectations, we expect investors to be fairly compensated  
3 over the ten-year forecast horizon for taking on equity  
4 exposure. It's really that level of short-term interest  
5 rates that impacts the absolute expectations to a greater  
6 extent.

7 If we flip to the next page, page three --

8 --o0o--

9 MR. TOTH: -- you can see Wilshire's expected  
10 return for the CalPERS portfolio, based on those  
11 assumptions I just walked through, sits at 5.56 percent  
12 over the ten-year horizon and about 6.8 percent over the  
13 30-year forecast horizon.

14 The upcoming ALM cycle should provide substantial  
15 opportunity to evaluate the strategic structure of the  
16 portfolio, ask questions, and really stress test  
17 assumptions. It's clear that challenging ten-year horizon  
18 return expectations are going to require analysis of  
19 alternative strategies or different portfolio construction  
20 techniques in order to have any probability of meeting  
21 your objectives.

22 Earlier today, Ms. Middleton asked about the risk  
23 profile of PERF. And as you can see here, our estimated  
24 risk expectation sits at 11.6 percent today, which aligns  
25 well with what was discussed earlier, and again is a



1 longer term look at portfolio risk. And this sits well  
2 within what we see with other plan sponsors across our  
3 client base. So in answer to her question, the current  
4 risk profile of the portfolio is consistent with other  
5 plans sponsors.

6 One last point I wanted to touch on in the risk  
7 contribution of the current portfolio, if we look at page  
8 four of the agenda item --

9 --o0o--

10 MR. TOTH: -- the risk contribution for equities  
11 accounts for more than 80 percent of the total risk. So  
12 if you look at the bottom left-hand side and you add up  
13 the blue pie -- slice of the pie with the red slice of the  
14 pie, that's where you get to the more than 80 percent  
15 number. And that's pretty typical for institutional  
16 portfolios, which are dominated by that equity risk.

17 Balancing risk contributions is another topic of  
18 discussion for the ALM cycle. The recent educational  
19 discussion regarding total fund leverage is one method of  
20 balancing risks across the total fund, while maintaining a  
21 specified level of total return. And, in fact, the Board  
22 has been discussing the utilization of leverage in a  
23 portfolio context going back to a prior offsite in 2017  
24 with presentations from Wilshire and other outside  
25 experts.

1           We think continued discussion and analysis of  
2 that will be coming up during the ALM process. And we  
3 think that's going to be, you know, an incredibly --  
4 incredibly important discussion, as we look to set the  
5 longer term strategic direction of the portfolio over the  
6 next couple of years.

7           The balance of the -- this presentation really  
8 starts to dive into portfolio performance and attribution.  
9 I think Eric and the team earlier touched on that enough.  
10 In the interests of time, I'd like to just open it up for  
11 questions on performance, or if it pleases the Committee,  
12 I'd like to just skip forward to -- to the universe  
13 comparison as it relates to performance.

14           CHAIRPERSON TAYLOR: Mr. Toth, it does look like  
15 I have a question from Mr. Jones.

16           COMMITTEE MEMBER JONES: Yeah. Thank you, Madam  
17 Chair. Yeah, Mr. Toth, on your slide page number three,  
18 the previous slide. Yes. From looking at this, there's  
19 an expected return of ten years and expected return of 30  
20 years. And I know that, you know, we are a long-term  
21 investor and we do look out, you know, 30, 40, 50 years.  
22 But when we look at data, generally we say that the  
23 ten-year returns is 6.81. But if we look out 30 years,  
24 we've often been told that, well, we can get to seven, if  
25 we go out 30 years. And based on this particular chart,

1 your expected return for 30 years is less than seven  
2 percent.

3 And so that creates -- and I know we'll be  
4 discussing this at our ALM, but it does raise some serious  
5 issues that if we can't get to seven in 30 years, then we  
6 have some very undesirable options. And so does this  
7 reflect the current profile of our investment strategy or  
8 does this reflect any proposed changes going forward?

9 MR. TOTH: Thank you for the question, Mr. Jones.  
10 The answer is this reflects your current portfolio and the  
11 current market environment. So to one of your earlier  
12 comments that historically, as we've looked at this  
13 number, those 30-year expectations did tend to gravitate  
14 to seven plus percent expected levels of returns. But the  
15 interest rate environment has shifted so materially just  
16 in the last nine months, that that has pushed the  
17 expectation lower, because we're starting for the first  
18 ten-year period of that 30-year horizon with very muted  
19 expectations and which gravitate to our long -- what we  
20 call our longer term equilibrium assumptions over time.

21 And that's what's dragging that return down from  
22 what has historically, as you correctly stated, been seven  
23 plus percent, down to what you see at that 6.8 percent.

24 So from a portfolio strategy standpoint, I do  
25 think it's going to require looking at things that are,

1 I'll say, new, and being cognizant of the potential  
2 benefits that those types of strategies can deliver, as  
3 well as the risks to the portfolio.

4 I really liked one of the comments that Ms. Jean  
5 Hsu made earlier that we know there are additional risks  
6 with some of these alternative strategies and investors  
7 need to take risks to be compensated by return. And  
8 ultimately, that's the trade-off that we're looking to  
9 strike with the asset allocation.

10 COMMITTEE MEMBER JONES: Okay. Well, we'll be  
11 looking for your comments at our asset liability  
12 management process.

13 MR. TOTH: We're looking forward to it.

14 COMMITTEE MEMBER JONES: Thank you.

15 CHAIRPERSON TAYLOR: Thank you, Mr. Jones.  
16 Ms. Middleton.

17 COMMITTEE MEMBER MIDDLETON: Thank you, Madam  
18 Chair. And, Tom, thank you. This is going to be a  
19 continuation of some conversations we've had in the past.  
20 Private equity is certainly a, as Mr. Ruiz pointed out,  
21 something that is important, but has also underperformed.  
22 Could you give us your sense of the importance of private  
23 equity and private debt to our overall portfolio. And  
24 then I will follow up with a couple more questions.

25 MR. TOTH: I'd be happy to do that, Ms.

1 Middleton. From a returns perspective, private assets are  
2 incredibly important. As we look across our asset  
3 assumptions suite, and I could turn your attention back to  
4 page two, and it -- if you can just quickly run your eyes  
5 down the June 2020 column there for return, that the only  
6 asset class on this page that returns more than seven  
7 percent is, in fact, private equity at 8.15 percent. The  
8 tradition ballast in a portfolio, as I mentioned, core  
9 bonds at 1.25 percent, which isn't -- it's helpful for  
10 liquidity purposes, for income purposes, and for that  
11 diversification, pulls you farther away from that seven  
12 percent.

13 So a bit of a long-winded way of saying I think  
14 private assets -- private equity and private debt are one  
15 of the levers that the Board can use to drive portfolio  
16 performance up towards that seven percent. And being  
17 cognizant of the risks at the same time is going to be  
18 incredibly important.

19 COMMITTEE MEMBER MIDDLETON: And earlier today,  
20 Ms. Hsu gave us some indications of the pacing of the  
21 ramp-up in acquiring new commitments in private equity.  
22 Are you comfortable with the strategy that she outlined?

23 MR. TOTH: In short, yes. I'm comfortable both  
24 with the strategy that -- that Ms. Hsu laid out, as well  
25 as the one that Mr. Ruiz laid out on the equity side. I

1 think it's incredibly important to be consistent with  
2 implementation on the private asset side. And that's  
3 one -- that's one of Wilshire's key tenets for managing a  
4 private asset portfolio is consistent vintage year  
5 diversification, not trying to time the market or, you  
6 know, make oversized commitments one year and no  
7 commitments the next year. Much like for public assets,  
8 we think try -- timing the market in that fashion is  
9 unlikely to be successful. So being consistent I think is  
10 very important, and that goes to the pacing which both of  
11 them spoke to.

12 COMMITTEE MEMBER MIDDLETON: Great. We heard in  
13 public comment just recently from four employees of  
14 Waterbury Hospital, each one of them telling a story that  
15 is certainly very distressing. It's not the first time  
16 that we've heard stories of what appear to be very abusive  
17 labor practices on the part of private equity. Is there  
18 any direction or advice that you would have for an  
19 organization with the values that CalPERS has to ensure  
20 that as we move forward in this market, we can minimize  
21 our risk of partnering with organizations that have  
22 employment practices that are inconsistent with the values  
23 of CalPERS and inconsistent with the values of our  
24 members?

25 MR. TOTH: Thank you for the question. The short

1 answer is yes, I do think it comes down to the diligence  
2 prior to implementation and a very solid understanding  
3 that with the partner, the private equity partner, that  
4 they understand those values that CalPERS brings to the  
5 table and expectations around the way they are likely to  
6 act. I'll refrain from making any specific comments about  
7 that situation, as I'm not nearly well versed enough, but  
8 I do think ultimately it comes down to implementation, as  
9 it relates to private equity to make sure that those --  
10 the values of -- with your partners align with those of  
11 the organization.

12 COMMITTEE MEMBER MIDDLETON: I thank you for that  
13 and I will add the comment I think that's something that  
14 is demanding of us, but it is something that we must do.  
15 Thank you.

16 MR. TOTH: Of course.

17 CHAIRPERSON TAYLOR: Thank you, Ms. Middleton.  
18 Ms. Olivares.

19 COMMITTEE MEMBER OLIVARES: Thank you, Madam  
20 Chair. This is for Tom Toth.

21 In looking at the report -- and it's a very  
22 robust report. Thank you -- I know asset allocation  
23 variance and tracking errors have contributed to  
24 underperformance. Can you touch on how much of CalPERS  
25 historical underperformance in private equity is

1 attributable to our manager selection processes?

2 MR. TOTH: So I -- thank you for the question,  
3 Ms. Olivares. I would hesitate to try to put a number on  
4 it. My understanding is that the -- that staff has done  
5 that attribution and so not to -- not to pass the buck,  
6 but I think they'd be better positioned to try to give you  
7 those numbers specifically.

8 COMMITTEE MEMBER OLIVARES: Well, maybe not a  
9 specific number then, but I understand that the processes  
10 we use to select managers has changed over time and as has  
11 our historical performance. And as we go forward in  
12 building out our Private Equity Program, I want to make  
13 sure that our manager selection process is robust and  
14 equitable. So I'd like to get your opinion on our  
15 management -- our manager selection process in the past  
16 and then what we're looking at going forward.

17 MR. TOTH: So I can comment, in general, about  
18 private equity based on the diligence process that a plan  
19 sponsor that we are the private equity consultant go  
20 through for those. If I could, if we -- if we wanted to  
21 bring up the folks from Meketa to talk about private  
22 equity due diligence specific to CalPERS, they might -- I  
23 think they'd better able to provide some of that --

24 COMMITTEE MEMBER OLIVARES: Um-hmm.

25 MR. TOTH: -- some of that background. I think



1 from my -- from my vantage point as the general  
2 consultant, one of the big changes has been looking to  
3 partner with those firms which provide co-investment  
4 opportunities as opposed to only fund opportunities in the  
5 past. And I don't remember the exact date on this,  
6 there's also been a push to try to consolidate the number  
7 of relationships across the private portfolio in order to  
8 drive both economies of scale and a deeper understanding  
9 of the investment process across those underlying  
10 providers.

11 So those are two differences that come to mind  
12 over the couple -- over the last couple of years. But  
13 perhaps Meketa or Mr. Ruiz could shed further light on  
14 that.

15 CHAIRPERSON TAYLOR: Okay. Stacie, do you mind  
16 if we wait until they do their report?

17 COMMITTEE MEMBER OLIVARES: Yes. I wanted to  
18 hear Mr. Toth's perspective and then we can hear Meketa's.

19 CHAIRPERSON TAYLOR: Okay. Great.

20 Mr. Jones.

21 COMMITTEE MEMBER JONES: Yeah. Thank you. Yeah,  
22 follow-up question, Tom. And I'm not talking about the  
23 specific strategies of private equity, because we could  
24 wait for Meketa for a dialogue in that regard. But just  
25 looking -- back to your slide on page three again, and,

1 you know, I'm just looking at these numbers. And so you  
2 said this was based on our current portfolio. So does  
3 that mean that we -- these numbers reflect the underweight  
4 in private equity now, which is down maybe 6.1 or two  
5 percent? And if the target allocation of -- you know, we  
6 were at ten at one time. If we were -- if we had our  
7 assets allocated to the ten percent targeted level, would  
8 that -- these numbers then be above seven percent?

9 MR. TOTH: The -- the numbers that you see on  
10 page three, the actual allocation is reflective of your  
11 underweight. And your tar -- and the target allocation  
12 bar charts are fixed at your current target, which is  
13 eight percent for private equity.

14 To the extent you were to increase that to ten  
15 percent, those numbers would move higher. I hesitate to  
16 try to do the math in my head. I'll likely only get  
17 myself in trouble, but that would -- you know, it would --  
18 it would move that number by, let's say, it's coming from  
19 private equity to -- from public equity to private equity,  
20 you would get a two percent times 1.65 percent additional  
21 return. That would roll up to that total fund  
22 expectation.

23 COMMITTEE MEMBER JONES: Okay. And then  
24 therefore, the expected return in 30 years would be above  
25 seven.

1 MR. TOTH: I'm going to -- if you give me one  
2 second here, I will try to -- I don't know that it would  
3 move it all the way there. I think it would -- it would  
4 certainly add somewhere between, I would say, five and ten  
5 basis points to that expectation. So it would certainly  
6 get it closer as it is a higher expected return asset  
7 class.

8 COMMITTEE MEMBER JONES: Okay. Okay. Thank you.

9 CHAIRPERSON TAYLOR: Okay. Thank you. We can  
10 move on now, Mr. Toth.

11 MR. TOTH: Great. If I could, I would like to  
12 skip ahead to attachment 4 --

13 COMMITTEE MEMBER JONES: I'm sorry.

14 MR. TOTH: -- which is the universe comparison.

15 COMMITTEE MEMBER JONES: I'm sorry, Ms. Taylor.  
16 I have one more question for --

17 CHAIRPERSON TAYLOR: Go ahead, Mr. Jones.

18 COMMITTEE MEMBER JONES: Yeah. And what about  
19 leverage, would that help move this number up?

20 MR. TOTH: It would. And you know, that comes to  
21 how leverage is implemented in the portfolio, which is  
22 going to be critical. But generally speaking, the  
23 utilization of leverage would be able to move that number  
24 higher. But again, it comes down to implementation. You  
25 could utilize leverage on a lower risk portfolio and move

1 it back to the same return. You could use leverage on  
2 this portfolio to move risk -- to move both return and  
3 risk higher. So it really comes down to implementation.  
4 There's no, you know, one answer for that.

5 COMMITTEE MEMBER JONES: Okay. All right. Thank  
6 you very much. Thank you, Ms. Taylor.

7 CHAIRPERSON TAYLOR: Sure. Go ahead now.

8 --o0o--

9 MR. TOTH: Okay. I just had a couple of comments  
10 on attachment 4, which is the universe comparison. I  
11 wanted to show graphically on page 2 of 14, the comparison  
12 of CalPERS results over the last year versus the universe.  
13 The earlier comments indicated that over the last year, it  
14 does rank in the top quartile for total fund returns. And  
15 you can see that here on the one-year period it ranks at  
16 the 19th percentile. Over the three-year period, it ranks  
17 in the top third.

18 And apologies, I'm in attachment 4, page 2 of 14.  
19 I skipped ahead a couple of attachments just to make a  
20 quick comment.

21 So this shows the comparison of CalPERS returns  
22 relative to other large plan sponsors through the end of  
23 your fiscal year. And that has shown some improvement.  
24 As you can see, the ten-year number sits a bit below  
25 median at the -- at the 56th percentile.

1 CHAIRPERSON TAYLOR: Any questions?

2 MR. TOTH: And then one final -- one final --

3 CHAIRPERSON TAYLOR: No, I don't have any  
4 questions. Go ahead.

5 MR. TOTH: Sorry. One final comment here. We  
6 don't want to just focus on returns. We also want to  
7 focus on risk. On page 3 of 14 in attachment 4, you can  
8 see a risk-return scatter plot relative to the universe,  
9 and you can see that the CalPERS risk level is also just  
10 below the median level of risk for this universe of plans,  
11 sitting at -- we'll call that a little less than ten  
12 percent. So the realized risk for the portfolio over the  
13 last three years has come in below median, where as return  
14 has been a bit above median, so you, over the last three  
15 years, are plotting in that relatively attractive more  
16 return, less risk quadrant on the scatter plot there on  
17 page three. So you can see that in the upper left hand,  
18 the T would be the CalPERS PERF plot.

19 Any questions here either on any of the comments  
20 that I made about the universe or if there are other data  
21 points that you would like me to elaborate on?

22 CHAIRPERSON TAYLOR: It does not appear so, so  
23 you can move on.

24 MR. TOTH: Okay. So why don't we -- so that's --  
25 we've touched on our total fund expectations, the

1 importance of asset allocation. Staff earlier went over  
2 returns and attributions. So I'll move to our program  
3 reviews in attachment 3 for Item 6b.

4 Now, as a reminder, Wilshire evaluates CalPERS  
5 investment programs with a similar framework as we'd  
6 utilize when assessing other large asset managers. And so  
7 broadly, this includes a view of around the investment  
8 organization and investment teams, the investment process,  
9 portfolio construction, risk management, implementation,  
10 and attribution.

11 The review this year has been intentionally  
12 restructured to provide a more cohesive review of how each  
13 internal program fits into the whole total fund and  
14 combines to drive total fund returns.

15 The scoring that you'll see in the appendix is  
16 done on a decile basis with the first decile being the  
17 highest rating, a fifth decile indicating an average  
18 rating. And we also, for ease of use, correspond those to  
19 letter grades with first and second deciles, you can think  
20 about them as A, third and fourth decile as a B, and so on  
21 down the line.

22 As I said, the output of that evaluation for that  
23 scoring framework is included in the appendix. For the  
24 programs that we've done historically, we wanted to make  
25 sure that we provided that, so there's no loss of

1 information or continuity from an oversight perspective.  
2 Although, we have combined what had previously been  
3 individual program reviews into one longer opinion letter  
4 here.

5           Importantly, for -- from an oversight  
6 perspective, there was -- there was no change in  
7 Wilshire's review process, which is meant to provide the  
8 Board with an independent analysis of the strengths and  
9 risks present in the investment organization. The full  
10 CalPERS service team here at Wilshire was involved in  
11 virtual onsite with senior INVO professionals across the  
12 Research and Strategy Group, TLPM, Global Equity and Fixed  
13 Income, Opportunistic Strategies, and Real Assets.

14           And these virtual onsite this year were also  
15 supplemented with regular conference calls throughout the  
16 year to really understand the evolution of each team, any  
17 changes in portfolio construction, and in regular dialogue  
18 on specific performance drivers. My fellow team members  
19 are connected here today, and, if necessary, can be  
20 available to answer questions.

21           As I mentioned an assessment of the factors  
22 contributing to the stability of an organization and the  
23 alignment of incentives between the team and the  
24 organization's long-term objectives are really important  
25 components of Wilshire's review. And as such, this year's

1 overall organization score is materially impacted by the  
2 recent resignation of the CIO. The search for a permanent  
3 CIO does introduce uncertainty and the potential for a  
4 shift in investment strategy and implementation. And it  
5 can't help but take up bandwidth from the organization.

6 While we are familiar with and have a very high  
7 opinion of the interim professionals at the CIO and the  
8 Deputy CIO level, that uncertainty has pushed us to lower  
9 our firm score from a C to a D, as senior team stability  
10 is not where we need it to be to score more highly.

11 Now, while the departure of the CIO, as well as  
12 some pending senior level retirements, highlight  
13 instability for INVO staffing and give us pause, we also  
14 believe this is an opportunity to continue shaping INVO  
15 culturally and strategically to focus on total fund  
16 performance.

17 Going through this period, it's very important to  
18 maintain a focus on Investment Belief number 4 with  
19 long-term value being driven by effective management of  
20 the three forms of capital, financial, physical and, in  
21 this case, human capital. And number ten, that strong  
22 processes and teamwork and deep resources are needed to  
23 achieve CalPERS goals and objectives.

24 During fiscal 2020, we saw continued evidence of  
25 a commitment to breaking down asset class silos within the



1 team and focusing the discussion on improving total fund  
2 performance.

3           We touched on some of those earlier. This  
4 includes centralizing the study of the strategic direction  
5 for the portfolio within the Research and Strategy Group,  
6 also known as RSG, which provides economic analysis and  
7 quantitative research, as you heard discussed earlier by  
8 staff.

9           And this information is utilized by the senior  
10 investment staff to assess opportunities and align  
11 individual investment programs to support that total fund  
12 objective. RSG was instrumental in the investment  
13 strategy review, which evaluate all of the active risks  
14 taken in the total fund, which resulted in concentrating  
15 on those strategies where CalPERS believes it has a  
16 sustainable edge to drive out performance relative to  
17 policy in alignment with Investment Belief number 7,  
18 taking risk where CalPERS will be rewarded, and number 8,  
19 that costs matter.

20           As we've noted in the past and continue to  
21 believe this total fund focus is very positive, as  
22 ultimately that's what's going to drive CalPERS' ability  
23 to meet its commitments to stakeholders.

24           The balance of my comments here, and there's much  
25 more in the letter, are going to highlight overall scores,

1 and just one or two takeaways from -- from each of the  
2 program evaluations.

3 As I said, my colleagues are in attendance and  
4 they can comment on specific questions as necessary. But  
5 why don't I pause there to see if there are questions  
6 before I move on.

7 I'm not hearing any.

8 CHAIRPERSON TAYLOR: I don't have any questions.  
9 We will have callers afterwards though, so far. So move  
10 on.

11 MR. TOTH: Okay. Great.

12 COMMITTEE MEMBER PEREZ: Henry has a question.

13 COMMITTEE MEMBER JONES: Yeah. Do you want me to  
14 go ahead, Theresa?

15 CHAIRPERSON TAYLOR: I'm sorry. Yeah, I thought  
16 I got you already.

17 COMMITTEE MEMBER JONES: Okay. Yeah, this is  
18 another question. It's on this -- on this looking at the  
19 evaluation scores and the overall organization firm with a  
20 D grade. And as you said, it's primarily driven by the  
21 departure of the CIO. And so how important it is to  
22 recognize that we continue to have a team of MIDs. We  
23 have a team of -- for private equity. We have an MID for  
24 real estate, et cetera, et cetera. And those individuals  
25 can continue to execute what the Board Policy has been,

1 because the Board has adopted policies for any CIO to  
2 follow, regardless of who that CIO may be.

3           So how important is it that the Board continue on  
4 that path, because we've adopted these policies. It  
5 wasn't the CIO that adopted the policies. How important  
6 is it for the -- continuing our Acting CIO and our Deputy  
7 Acting CIO, and our MIDs to continue implementing the  
8 policies that the Board has previously approved in order  
9 to make sure that the ship is still moving forward?

10           MR. TOTH: Mr. Jones, to answer succinctly, it's  
11 extraordinarily important. The continuity of investment  
12 strategy and the depth that you had or have with the  
13 Deputy CIO becoming the interim CIO, and Senior MIDs  
14 filling in in an interim basis, and even more -- even I  
15 think more impressive is that those other investment  
16 professionals who have then stepped up in their roles goes  
17 a long way to instilling some confidence that the  
18 implementation of the currently adopted strategic policy  
19 can continue going forward.

20           But we'd be remiss if we didn't, I'll say, call  
21 it as we see it from a stability perspective. The CIO  
22 role is very important from a strategic leadership  
23 standpoint, from a -- I'll say a thought leadership  
24 standpoint driving a lot of that investment discussion and  
25 decision-making. So I -- I couldn't sit here and tell the

1 Board that the -- in -- the CIO's resignation doesn't have  
2 much of an impact. It's certainly mitigated by the  
3 favorable view we have on those who have taken -- are  
4 sitting in those positions now. But having a -- having a  
5 strong stable senior investment team, I think, is critical  
6 for long-term success.

7 COMMITTEE MEMBER JONES: Okay. Thank you.

8 CHAIRPERSON TAYLOR: Does that answer your  
9 question, Henry?

10 COMMITTEE MEMBER JONES: Yeah. Yeah.

11 MR. TOTH: If I -- just one other point on the  
12 total firm score, this has been -- this has been a  
13 consistent discussion that we've had with the Board over  
14 the years. Some of the other broader organizational  
15 issues relative to private sector asset management firms  
16 around ownership incentives are another reason that that  
17 score ends up where it is as CalPERS doesn't have the  
18 opportunity to provide equity ownership or I'll -- my  
19 asset management friends would chide me for this, but  
20 outsized performance compensation opportunities. And  
21 that's an important thing to keep in mind as well.

22 What you'll notice, as you look through the  
23 underlying individual programs, is that generally speaking  
24 the team score is very robust. And that's where we  
25 reflect the strong depth of -- and quality of talent

1 within the investment organization.

2 COMMITTEE MEMBER JONES: Okay. Thank you.

3 MR. TOTH: Um-hmm.

4 CHAIRPERSON TAYLOR: Okay. Mr. Toth, go ahead.

5 MR. TOTH: Okay. Let's -- we are going to start  
6 with TLPM starting at kind of I'll say a high -- high  
7 level. So utilizing Wilshire's standard scoring  
8 framework, our qualitative assessment places it in the  
9 fourth decile, which is the same as last year's review.  
10 The role of TLPM has changed a fair bit over the last  
11 fiscal year. The changes are detailed in the letter, but  
12 suffice to say that they've really focused on TLPM as the  
13 implementation agent for the strategic allocation set by  
14 the Board.

15 Other items like dynamic allocation, manager  
16 engagement and analytics are not part of TLPM's purview,  
17 but have been -- assumed by other teams. And so with that  
18 decrease in scope to focus on implementation, which  
19 includes the transition of some of the research to a  
20 separate centralized team, RSG, which I mentioned earlier,  
21 we'll work with you as the Board and with staff to really  
22 determine best practices as it pertains to a formal review  
23 going forward. It might make sense to incorporate it into  
24 that firm score, in the same way that we incorporate the  
25 impact of RSG, rather than looking at TLPM as a discrete

1 entity.

2           And I think this -- that alignment would further  
3 support the move to focusing the discussion around total  
4 fund.

5           Turning to global equity, our qualitative  
6 assessment places it in the third decile, which is a  
7 strong B. And while this is the same score as last year,  
8 it does reflect the same organizational score reduction as  
9 the other programs, as well as a slight reduction in the  
10 information gathering resources, which coincides with the  
11 elimination of many of the actively managed strategies  
12 across the portfolio.

13           So our view is that because the global equity  
14 portfolio is not spending as much time trying to get an  
15 informational edge, we lowered that to be closer to  
16 average in our scoring.

17           The change in the overall construction of the  
18 portfolio didn't change our scoring, as the portfolio was  
19 already -- portfolio construction was already highly  
20 rated, and we noted that in last year's review.

21           So, in summary, our view here hasn't changed, in  
22 that the global equity portfolio is a very efficient and  
23 cost-effective implementation to deliver the equity risk  
24 premium to the PERF over time. Staff went over  
25 performance, but I'll reiterate that relative performance

1 has been positive and we look to -- for that to continue  
2 going forward.

3 Overall, that score reflects a strong and  
4 appropriately sized team that's in place and there's  
5 success in managing the evolving portfolio in a very  
6 challenging environment in 2020.

7 For global fixed income, our score there also  
8 placed GFI in the third decile, or the high D, which is  
9 again the same as last year. But the underlying  
10 components did shift a similar reduction in organizational  
11 score.

12 One of the risks I wanted to point out here was  
13 the size of the internal GFQI team. It has declined. And  
14 we think that is a risk factor as we think about ensuring  
15 the continuity of the demonstrated investment success of  
16 the portfolio. It has occurred in the context of some  
17 movement of global fixed Income staff to other internal  
18 groups, like the RSG team.

19 And while this is -- that's a very good news --  
20 that's very good news for cooperation at the total fund  
21 level. It does detract somewhat from the dedicated global  
22 fixed income resources. So we're not ringing the alarm  
23 bells there, but we want staff to be cognizant of that.

24 Now, these factors are positively offset by our  
25 continued high scores for the team, the portfolio

1 construction and implementation. You saw the results,  
2 which really across the Board, were -- were strong, if not  
3 very, very strong, particularly in the spread segment.  
4 And we look at -- we think the Global Fixed Income Program  
5 is managed effectively and in a very risk-conscious manner  
6 does leverage the deep experience and expertise of the  
7 senior management team across all of those sectors. And  
8 importantly, the investment approach is consistent with  
9 the key strategic objectives of providing income,  
10 stability, and a diversi -- diversifier to -- from equity  
11 risk at the total fund Level.

12 Moving on to opportunistic strategies. The  
13 opportunistic strategies is rated as a fourth decile, or  
14 a, I'll say, a regular B rating. As we heard earlier, OS  
15 was established to invest in strategies that don't fit  
16 neatly into one specific asset class or type, but could  
17 possess characteristics that present relative value  
18 opportunities to enhance total fund performance.

19 It is worth noting a couple of changes to the OS  
20 team worth highlighting. The execution services and  
21 strategy business line was moved from OS to the TLPM team,  
22 which reduced the OS team headcount from 23 to 8. But  
23 that expertise remains very present for the fund as a  
24 whole.

25 In addition, we heard from the new MID for OS,



1 and she has extensive experience investing both enhanced  
2 beta and opportunistic investments.

3           In terms of things to watch, and I think this  
4 dovetails with a lot of the discussion that we've had,  
5 with departure of the CIO, it's going to be critical to  
6 examine, understand, and monitor how the program is built  
7 out over time. We want to make sure that the OS team's  
8 efforts continue to be supported by broader INVO  
9 resources, particularly leveraging those insights from  
10 private equity and the global fixed income team.

11           And I think that dovetails well with some earlier  
12 questions from both Mr. Jones and Ms. Middleton. And I  
13 think you can see in the answer to those questions that  
14 staff is cognizant of that risk and planning for the  
15 future.

16           A couple last points on opportunistic strategies.  
17 The oversight and governance of the OS program has  
18 continued to improve, as we've codified staff authority  
19 limits, as well as broad allocation ranges to the  
20 underlying strategies. And Wilshire continues to  
21 participate in an oversight capacity to look at policy  
22 compliance, as well as benchmark alignment on a regular  
23 basis.

24           So in closing for OS, we think the team is led by  
25 very talented staff. They are very focused on enhancing

1 total fund performance, by looking at asset classes which  
2 don't fit neatly in any one particular bucket.

3 CHAIRPERSON TAYLOR: Mr. Toth, I do have a  
4 question from Mr. Jones.

5 MR. TOTH: Yes, please.

6 COMMITTEE MEMBER JONES: Yeah. I think he  
7 answered my question. I was looking at the opportunistic  
8 strategies and looking at the area of resources, and I had  
9 raised that question earlier. And you kind of indicated  
10 that they still have access to resources, as opposed to  
11 just the staff in that unit. And so -- but as they begin  
12 to build out that particular strategy, and Mr. Bienvenue  
13 said that he would come back and let the Board know if  
14 they heeded more resources. So that's -- that was going  
15 to be my question, but you answered it.

16 Thank you.

17 MR. TOTH: Absolutely.

18 So lastly, we turn to real assets before I turn  
19 it over to -- to Meketa. So Wilshire acts in a general  
20 oversight role for real assets to understand the impact of  
21 the program on total fund results. We provide oversight  
22 specifically related to forestland. But as you know,  
23 that's a portion of the portfolio that has decreased in  
24 size and impact. And we don't feel it warrants a separate  
25 evaluation.

1           Our work in real assets involves regular  
2 discussions with the MID to try to understand the high  
3 level investment initiatives and portfolio construction,  
4 and performance attribution, and how risk is being managed  
5 in the portfolio. And this is -- this is meant to  
6 complement the oversight that's provided by the dedicated  
7 real estate and infrastructure board consultants who  
8 you'll hear from shortly.

9           The team, as you heard, is focused on positioning  
10 the portfolio for the current challenging environment,  
11 while being cognizant to realize value where possible,  
12 which fulfills, in our view, the strategic role of the  
13 Real Assets Program to provide stable cash flows,  
14 long-term inflation protection, and act as a diversifier  
15 for equity risk.

16           With that, I know I went through a lot, and  
17 hopefully you found the opinion letter informative. I'd  
18 be happy to answer any more questions, or I can turn it  
19 over to the folks from Meketa.

20           CHIEF EXECUTIVE OFFICER FROST: Chair Taylor, if  
21 I could ask a question to Mr. Toth?

22           CHAIRPERSON TAYLOR: Yeah, I just saw you there.  
23 Go ahead.

24           MR. TOTH: All right. Thank you. Mr. Toth,  
25 thank you for walking the Board and the rest of management

1 through this framework. I think the way that this has  
2 been portrayed in the past when we've gotten these grades  
3 from Wilshire is that it's somehow a reflection of the  
4 investment performance of the Investment Office. So I do  
5 really very much appreciate the context and really trying  
6 to understand the frame by which you're doing the  
7 assessment.

8           So one of the questions I have, because I know  
9 part of that framework is compensation. You know, you did  
10 mention the lack of equity exposure of equity access to  
11 employees in the system does have an impact on grade. So  
12 what -- what is the highest grade that one of the, you  
13 know, the teams could actually get? You know, so if fixed  
14 income did extremely well, you know, beat benchmarks,  
15 private equity -- or public equity did very well, exceeded  
16 benchmarks, low transaction costs, what's the highest  
17 grade they could get, based on this framework about what's  
18 applicable to CalPERS and what is not?

19           MR. TOTH: Ms. Frost, that's -- that is a --  
20 that's a great question. I would say it will be -- it  
21 would be challenging -- so the best grade possible is that  
22 first decile ranking. A very, very good grade is a second  
23 or a third decile ranking. The -- not to get too much  
24 into the weeds on the scoring framework, but it's meant to  
25 be a bell curve distribution with clustering around

1 fourth, fifth, sixth, and make -- it gets incrementally  
2 harder and harder to move up the scale. So that's some  
3 broad context.

4           With the some of the broader organization's  
5 compensation challenges, seeing the total firm score I  
6 think there's room for improvement there, but I wouldn't  
7 expect that to get to that first decile ranking relative  
8 to private sector asset management firms. But certainly  
9 from a -- from a team perspective, I'm going to flip to  
10 the back to make sure I don't misstate anything.

11           The -- across the Board for the rating, they've  
12 got third and fourth decile ratings, which are quite good.  
13 I could see a second decile rating there, as, let's say --  
14 I'll use as an example opportunistic strategies as the --  
15 the dedicated resources there and the expertise that are  
16 brought in-house expand that could increase that score  
17 over time.

18           We'd try to -- we try to take a thoughtful  
19 approach to adjusting these scores in the sense that we  
20 don't want to move from, let's say, fifth decile to second  
21 decile and then back down if -- you know, year, by year,  
22 by year. We want to see consistency. So we try to step  
23 up things slowly to the extent that it's warranted. And  
24 if there are large changes, then we are going to have to  
25 move things down. Ideally, the stability for the team

1 kind of mitigates that.

2 So a bit of a long-winded answer to your  
3 question, Ms. Frost, about what the -- what's kind of the  
4 highest rating that, let's say, one in -- one program  
5 could get to. I think if I had to ballpark it, second  
6 decile overall is probably the figure to focus on.

7 You can see global equity and global fixed income  
8 are third decile programs currently, so you might see some  
9 marginal improvement there to push them into that second  
10 decile ranking.

11 CHIEF EXECUTIVE OFFICER FROST: All right. Thank  
12 you.

13 CHAIRPERSON TAYLOR: Thank you, Ms. Frost.

14 In addition, I now have Ms. Olivares.

15 COMMITTEE MEMBER OLIVARES: Thank you, Ms.  
16 Taylor. Mr. Toth, I'm going through the grading scale and  
17 I'm trying to make sure I understand how the deciles  
18 correspond with the letter grades. So it looks like A  
19 corresponds with the first and second decile, correct?

20 MR. TOTH: Correct.

21 COMMITTEE MEMBER OLIVARES: And then B  
22 corresponds with the deciles 3 and 4.

23 MR. TOTH: Correct.

24 COMMITTEE MEMBER OLIVARES: And C corresponds  
25 with the fifth decile. What is -- is the sixth decile

1 also a C grade or is that a D?

2 MR. TOTH: Fifth and sixth would both come in as  
3 Cs.

4 COMMITTEE MEMBER OLIVARES: And seventh decile is  
5 a D. Where is -- is there an F?

6 MR. TOTH: Seventh and eighth would be Ds, and  
7 ninth and tenth would be Fs.

8 COMMITTEE MEMBER OLIVARES: Got it. Okay. Thank  
9 you. That's helpful.

10 MR. TOTH: Um-hmm.

11 COMMITTEE MEMBER OLIVARES: And then I had  
12 another question. On opportunistic strategies, you  
13 mentioned some of the personnel changes we've had. And  
14 I'm grateful for the leadership we do have. We're relying  
15 on these strategies to bring us significant alpha so that  
16 we can meet the seven percent return target. Do you feel  
17 that we have the ideal expertise and track record in-house  
18 now to carry this out or do you feel like additional  
19 resources are necessary?

20 MR. TOTH: Ms. Olivares, I would say for the  
21 strategy as currently constructed, you have the right  
22 resources in place. But given the plan to build out that  
23 portfolio --

24 COMMITTEE MEMBER OLIVARES: Um-hmm.

25 MR. TOTH: -- that is going to require additional

1 expertise in resources brought in-house to do it in a --  
2 in a -- in a top notch manner.

3 COMMITTEE MEMBER OLIVARES: Thank you.

4 MR. TOTH: Um-hmm.

5 CHAIRPERSON TAYLOR: Okay. I think we can move  
6 on. I don't see any additional questions.

7 I do have a caller on this. So, Mr. Fox, if you  
8 want to bring Mr. Woodson in.

9 Mr. Fox?

10 STAKEHOLDER RELATIONS CHIEF FOX: Okay. Madam  
11 Chair, we're going to bring in Larry Woodson from  
12 California State Retirees.

13 CHAIRPERSON TAYLOR: Thank you. Mr. Woodson, go  
14 ahead.

15 MR. WOODSON: Okay. Thank you. Larry Woodson,  
16 California State Retirees. I hadn't intended to comment.  
17 And I actually tried to get in the queue when you were  
18 actually discussing it, so I'm going back to Mr. Toth's  
19 prior discussion on private equity. And I wanted to thank  
20 you Chairman Taylor and Board Member Middleton's comments  
21 regarding the -- being cautious about partnering with PE  
22 firms who have these kind of practices that we heard  
23 affected these four folks from Waterbury Hospital, which  
24 was a very poignant testimony.

25 I wanted to give you -- we've been a aware of



1 this problem for a while now. And I think I mentioned it  
2 in stakeholders, but I wanted to give you a little -- a  
3 bit of the larger picture. PE firms are now controlling  
4 hospitals, ERs, nursing homes, doctors' practices,  
5 particularly rural hospitals. And over the past decade --  
6 and these are some of the names and you're all familiar  
7 with them, Blackstone, Apollo Global, Carlyle, KK&R,  
8 Warburg Pincus, they've deployed more than \$40 -- \$340  
9 billion to buy health care related operations around the  
10 world. And in 2019, they reached a record \$79 billion of  
11 acquisitions.

12           And so they -- and just one other stat, is  
13 TeamHealth is a subsidiary of Blackstone, and Envision  
14 Healthcare owned by KK&R, the two of them provide staffing  
15 for about a third of the country's emergency rooms. And  
16 by the way, they -- they are one of the major causes of  
17 surprise medical bills around the country.

18           And so I just -- I just ask that the Board, of  
19 course, be aware of this, but perhaps direct staff to take  
20 a broader look at this issue, and the Investment staff  
21 coordinate with Dr. Moulds' health team and really take a  
22 look at where we may be inadvertently impacting, not only  
23 employees of these health care providers, but own members  
24 and not getting the kind of health care they should be, or  
25 being overcharged.

1           So I thank you for your consideration.

2           CHAIRPERSON TAYLOR: Thank you, Mr. Woodson.  
3 Yes, it's something that I'm concerned about as well.

4           It looks like that's it. So let's move on to, I  
5 guess, Meketa at this point, correct?

6           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

7           Correct, Madam Chair. We have Steve Hartt and  
8 Christy Fields who will take us through private equity and  
9 real assets.

10          CHAIRPERSON TAYLOR: All right. Thank you. I  
11 don't know who wants to go first.

12          MR. HARTT: I'm happy to. Steve Hartt from  
13 Meketa. Can you hear me and see me?

14          Very good.

15          So I didn't want to take too long to go through,  
16 you know, the report or have formal comments. I'll have a  
17 few here, but I wanted to be sure that we had enough time  
18 here, getting late in the day, to go through questions  
19 from the Board. I think that, as highlighted by Mr. Ruiz  
20 earlier today, a couple of aspects about the Private  
21 Equity Program that I wanted to touch on.

22          So, number one, the key issue that I've observed  
23 in terms of the Private Equity Program, and we observed it  
24 when we first came on board a few years ago, is that  
25 CalPERS remained under-allocated to the private equity

1 class. And just getting that exposure has been something  
2 that's been a development over time and is in process, but  
3 does take a number of years to build up that program and  
4 that exposure.

5 Second aspect, there's been a few questions on  
6 this today and we can go for further questions kind of  
7 going forward. But the performance of the portfolio and  
8 how it has executed in terms of, I guess, benchmarks and  
9 overall performance has been a number of issues. And some  
10 of that is related to the way the exposure in this current  
11 program and portfolio has been developed over time.

12 For instance, a lot of commitments in the early  
13 and mid 2000s when it turns out that the returns that were  
14 middling to poor and relatively little exposure to the  
15 vintage years that were later on starting, so 2009 and  
16 going forward to just very recently.

17 And so building that program over time that has  
18 quote/unquote too much exposure or over-allocated to the,  
19 you know, poorer performing vintage years and really less  
20 allocation to those that are turned out to be better  
21 performing, the issue is not so much whether or not one  
22 can know what their future performance is, but the fact  
23 that the exposure has been inconsistent has been -- had a  
24 direct impact on the how performance is.

25 The other comment I'd want to make is that if

1 Board would note that we have included peer benchmark  
2 information in our reports historically. So again, that  
3 is in there as well for the Board's consideration. So we  
4 do think it's important to consider both what we call the  
5 proxy benchmark, the alternative to -- to investing in  
6 private equity is public equity, as well as the peer  
7 benchmark to try to assess the program's performance  
8 against peers.

9           A third aspect that is certainly underway in  
10 strong efforts by the staff relatively recently is really  
11 focused on the fees and costs, and using the -- the list  
12 of opportunities that are available through co-investments  
13 to try to mitigate those costs and expenses. That had  
14 been a missing part of the program in -- until just  
15 recently. It had stops and starts over the years. You  
16 know, CalPERS had done that in the past, had made  
17 co-investments, but the strategy had not been executed  
18 consistently. It had been on and off. But that  
19 deployment of capital and execution in co-investments  
20 could have a pretty meaningful impact on the overall fees  
21 and costs.

22           Next point is in terms of the exposure and  
23 diversification, I had spoke briefly about one aspect of  
24 that, and that is the time exposure, vintage year  
25 exposures. As we've noted in private -- in prior reports,

1 the portfolio is heavily tilted towards large and mega  
2 buyouts into those -- those structures. Some of that is  
3 coming just from the size of the program and the  
4 requirement of the large amount of capital to be deployed  
5 every year and the need to find those managers and  
6 strategies that can actually absorb that amount of  
7 capital.

8           That being said, being able to think creatively  
9 and work creatively to find additional exposures to help  
10 diversify the portfolio has been important. And some of  
11 that has happened recently with the addition of these  
12 credit trigger funds to invest in stressed and distressed  
13 investments, as well as some secondary managers, in other  
14 words, managers that look to buy portfolios of typically  
15 private equity funds that another investor, a limited  
16 partner, no longer wishes to hold. And sometimes that can  
17 be very opportunistic in getting some good -- some good  
18 values. And heretofore, CalPERS had really not explored  
19 or executed much in that strategy in a consistent way.

20           The next point I would make is -- and we can talk  
21 a little further on the ESG side of things that -- as Mr.  
22 Ruiz noted, it is an increasingly important factor within  
23 the industry. And CalPERS has made that part of their  
24 diligence in monitoring for many years now and remains an  
25 important focus. And I think, as Mr. Ruiz noted, I would

1 agree with, it's been moving from a specialized area to  
2 being something that is thought about across the private  
3 equity asset class, the ESG and diversity initiatives.

4           One thing I wanted to mention, while the  
5 opportunistic strategies is a way to think about the one  
6 fund and try to execute on opportunities that don't fit  
7 neatly within the -- the asset classes within CalPERS, the  
8 credit trigger fund is also an example of a one-fund  
9 approach. And we're being able to use the expertise and  
10 relationships that the CalPERS staff has in the private  
11 equity area to source and review opportunities that those,  
12 you know, private equity-oriented managers are executing  
13 in a somewhat different asset class area than straight  
14 private equity.

15           That's been a very thoughtful and well-timed  
16 approach as it turns out. But an application of this  
17 one-fund idea and where I'm looking to try to use -- to  
18 try to use the talents within the organization to execute  
19 what's best for the overall organization.

20           And then the last point I'd make is in terms of  
21 the staffing. The formal numbers within the Private  
22 Equity Group has been relatively stable. Mr. Ruiz has  
23 been in place for a year now. We do note that subsequent  
24 to the end of the fiscal year, Ms. Corr had moved over to  
25 the Real Assets. The staffing, I think, is adequate for

1 what they are doing now. But as there is increased  
2 execution, in particular on the co-investment side of  
3 things, it's going to take additional members, perhaps  
4 with some different skills, to be able to build that and  
5 work effectively.

6 As Mr. Ruiz mentioned, he's working through a  
7 strategic plan and this will be, you know, an aspect of  
8 that is thinking through how elements of the strategic  
9 plan impact different parts and one of that is going to be  
10 on the staffing side.

11 So I wanted to just do a quick overview here of  
12 these topics. A number of things are discussed a little  
13 bit more in our program review and performance letter  
14 that's attached for your assessment. But wanted to open  
15 up for questions to the Board and otherwise.

16 CHAIRPERSON TAYLOR: Thank you. Seeing -- I --  
17 Mr. Hartt, it looks like I don't have any questions. But  
18 I sort of wanted to go through a couple of things that you  
19 talked about, which was the diverse -- needed to be  
20 diversified to be a player in the market and that it's  
21 continuing our relationships. And you and I had talked  
22 about this the other day, and I kind of want you to opine  
23 on being consistent. I think Greg talked about it a  
24 little bit. But we had -- we -- like you said, we were  
25 invested the 2000s. We no longer -- we didn't have the

1 cohort in the 2010s, where it would have given us a little  
2 more money. So we haven't been a consistent investor in  
3 returns. And if you could opine on why that's important  
4 and how -- that we're consistent and what that means for  
5 our returns and such, a little bit.

6 MR. HARTT: Sure. I'd say there's a couple of  
7 aspects to it. You know, one can look at industry data  
8 and see that the performance in different vintage years is  
9 obviously different, but that the performance in some  
10 vintage years is better than others, and that trying to  
11 time the market, especially in private equity, is nearly  
12 impossible, and knowing what the future performance is  
13 going to be, especially for these multi-year drawdown  
14 investment funds is -- is really impossible to do.

15 So we strongly encourage our clients to develop a  
16 plan and try to, certainly without forcing capital out if  
17 there's no good opportunities, but to really work very  
18 consistently within the marketplace to try to get that  
19 exposure in top quality managers.

20 I think that what the team has been doing  
21 relatively recently is being able to work with -- by being  
22 a consistent player in the marketplace, they can get, A,  
23 more co-investment opportunities. They have this  
24 relationship and trust with the GP partners. But they can  
25 also work with those managers to create separate managed



1 accounts, that there's opportunity for fee savings. There  
2 can be opportunities to direct what asset classes and  
3 types of investments that can be part of CalPERS special  
4 managed -- separate managed account, be able to control  
5 some of those exposures.

6 So by being a consistent player in the  
7 marketplace, it helps make sure that you have that  
8 consistent exposure to the asset class and not without  
9 really knowing what the future is going to hold, but if  
10 you have that, you've got it.

11 And then all the reputational benefits that you  
12 get by being seen as a consistent and trusted partner in  
13 the marketplace to be able to get those co-investments,  
14 separately managed accounts, and things like that, that  
15 could bring a lot of benefits to CalPERS.

16 CHAIRPERSON TAYLOR: Thank you. So if we were  
17 to -- there's been some talk about putting in a pause on  
18 this strategy, even though the Board has pretty much  
19 adopted this strategy already, until certain things are  
20 finished. So basically what you're tell -- saying is  
21 that's probably not a good idea.

22 MR. HARTT: No. I would strongly encourage  
23 CalPERS to be a consistent participant in the marketplace.  
24 You can see with -- with hindsight of course, but you can  
25 see that the performance of the portfolio has suffered

1 from not participating in the marketplace in the 2010s  
2 through 2015 time period. And that's going to take a long  
3 time to roll through the -- the portfolio. Because of  
4 that not participation, you're going to see that  
5 shortcoming -- the shortcoming of performance against  
6 peers is going to be reflected in their. And that's going  
7 to take a long time to rollout. So we really encourage  
8 clients to continue to be consistent participants in the  
9 asset class.

10 CHAIRPERSON TAYLOR: Okay. Great. So then also  
11 I had --

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
13 Madam Chair, I'm sorry.

14 CHAIRPERSON TAYLOR: Go ahead.

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:  
16 Madam Chair, do you mind if I chime in on that  
17 really quickly.

18 CHAIRPERSON TAYLOR: Oh, no, of course.

19 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And  
20 I agree with everything Mr. Hartt just said.

21 I just wanted to comment on the on the potential  
22 for taking a pause. When I look at sort of the history  
23 and the lack of consistency within the plan, I see kind of  
24 three large effects. And this as a -- you know, again as  
25 a -- as a public equity person and then thinking through

1 the lens of the total fund. First of all, those pauses  
2 have caused us to be under-allocated to this asset class.  
3 So not only has it hurt our relative returns within the  
4 asset class, but, you know, Mr. Jones spoke about this,  
5 the fact that we're, you know, low -- our allocation to  
6 the vintage years. So we are over-allocated to  
7 underperforming vintage years and under-allocated to  
8 overperforming vintage years. And that too has just been  
9 an effective inconsistency. And this is a reason to Mr.  
10 Hartt's point to continue that consistency.

11 And then the third effect that I would say that  
12 you see is that we've been inconsistent in our commitment  
13 to co-invest. And that has caused us to not have been  
14 successful enough to average down our fee structures  
15 within -- within the private equity asset class.

16 All three of those have been detrimental. And  
17 all three of those are -- as a result of really just being  
18 inconsistent in our approach to this asset class, which  
19 again underscores what Mr. Hartt was saying.

20 And then I guess the last comment that I would  
21 make, and Arnie has made this point several times, if  
22 we're not invested in private equity, we have to be -- we  
23 have to put it someplace. And the answer is we'll put it  
24 in public equity. And our return expectation for public  
25 equity, as demonstrated in our CMAs in the previous

1 discussion, even our benchmarks, is 150 basis points lower  
2 in public equity relative to private equity.

3 So every dollar that we don't invest in private  
4 equity is in public. And that implies a 150 basis point  
5 haircut over a long horizon. So I'm really glad you asked  
6 the question and I did want to comment to that.

7 So, I'm sorry, Madam Chair. Back to you.

8 CHAIRPERSON TAYLOR: No, absolutely. I  
9 appreciate that.

10 And, of course, if we get 150 basis point  
11 haircut, we pass that on to employers, so that's the last  
12 thing we need.

13 And in response, Mr. Hartt, you and I talked  
14 about this also, but in response to my concern, who's the  
15 labor person, with what we're hearing from Leonard Green  
16 and others private equity firms, and how our labor folks  
17 have been treated, you and I talked about this and  
18 something -- could you opine on that? You talked about  
19 maybe we could do a best practices guideline, that it  
20 would be -- if we've got relationships, if that's a  
21 possibility.

22 MR. HARTT: Sure. So I know that as I mentioned,  
23 ESG has been both an important area of analysis and  
24 thought within the CalPERS due diligence activities, as  
25 well as it being a increasingly adopted set of practices

1 within the private equity industry itself. That going  
2 beyond the fact that the -- the industry overall has moved  
3 very strongly to one of value creation, rather than asset  
4 stripping and over-leverage.

5           There was more done in the eighties than what  
6 we're seeing today. So there's a lot of con -- a lot of  
7 threads that are coming together to make that more and  
8 more effective.

9           That being said, we'd be would happy to work with  
10 staff and to think -- within private equity, you know, I  
11 know that Ms. Fields and Ms. Bacon could mention about --  
12 on the real assets side, about the responsible contractor  
13 policy and things that have been done within CalPERS on  
14 some of these areas to maybe think about ways there could  
15 be some best practices to be thought within the CalPERS  
16 organization, and how to potentially work with some other  
17 large participants in the industry.

18           Mr. Ruiz touched on that briefly in his comments  
19 as well. And to think about what would be a -- an  
20 approach to some best practices and some evolution that  
21 could take place over time in this area.

22           CHAIRPERSON TAYLOR: Great. I would love that,  
23 Dan, if we could figure out a way to get together with  
24 our -- with Meketa and put something together for that, so  
25 that we can -- even if we're not -- if it's not

1 co-investments, and then it's -- and we're just an LP, is  
2 there a way we can do that? I don't know, but -- and we  
3 can talk about that offline.

4 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

5 Noted. Thank you, Madam Chair.

6 CHAIRPERSON TAYLOR: Okay. I do have questions.  
7 See what happens when I ask too many questions. I'm sorry  
8 eye.

9 Lisa Middleton, go ahead.

10 COMMITTEE MEMBER MIDDLETON: All right. Thank  
11 you, Madam Chair. Mr. Hartt, thank you.

12 If there's one word I've heard over, and over,  
13 and over today, it's the word consistency. And clearly,  
14 any honest review of our practices when it comes to  
15 private equity and private debt over the last two decades,  
16 consistent is not the description that would be given to  
17 our activities.

18 So what specifically do you recommend we do and  
19 not do on a going-forward basis to achieve the kind of  
20 consistency that we need in order to reach the benchmarks  
21 ultimately that are being achieved by other peer  
22 organizations?

23 MR. HARTT: Thank you for the question, Ms.  
24 Middleton. So I would say there's a couple of elements to  
25 that to achieving the consistency. One is that until

1 relatively recently, the way that the private equity or --  
2 group was given its allocation for how much new  
3 commitments you could make each year appeared, you know,  
4 relatively untransparent and was not really, in my mind,  
5 one that I really full understood as to how the target was  
6 set for the amount of capital to be targeted to be  
7 deployed in any particular year.

8           Some best practices in that area would be to have  
9 a pacing plan and to be able to think through with some  
10 assumptions of where the portfolio is today, some  
11 assumptions of where you would like to try to achieve in  
12 the longer time period, and some estimates about how the  
13 overall portfolio will perform. And so using that is a  
14 pretty basic tool to set the framework around how much the  
15 staff should be considering to think about as an annual  
16 budget in order to ultimately reach a percentage  
17 allocation goal.

18           I think a second one in terms of the consistency  
19 has to do with the strategy and that was -- that's  
20 approached. CalPERS has had a number of strategies over  
21 the years that -- with the overall aim of trying to  
22 achieve a strong result for the program, but at the end of  
23 the day, seem to be less effective. So when there was  
24 a -- an approach to try to really restrict the number of  
25 managers that the Private Equity Program would be able to

1 allocate to with the idea of trying to achieve some fee  
2 savings, I know that the intention was good, but at the  
3 end of the day, end up exacerbating some of the  
4 diversification within the -- the portfolio. It end up  
5 being that if one of those managers was not in the market  
6 to raise capital, it made it very difficult for staff to  
7 find a different manager. Things of that nature.

8           So I'd say to be thoughtful about the strategy  
9 that's being used in order to be able to identify and  
10 become strong partners with the best managers that you --  
11 that you have there.

12           I'd say additionally one that is taking place  
13 now, and that is to be thoughtful about looking to  
14 allocate the right amount of capital to the strongest  
15 managers. So heretofore, there had seemed to be, you  
16 know, relatively tight ranges that the staff would use to  
17 think about as their quote/unquote checks size for  
18 deployment to particular managers.

19           And I think now there is increased emphasis on  
20 trying to identify those managers that are the highest  
21 conviction and to try to deploy more capital with them,  
22 and to think about doing more separate managed accounts  
23 for additional fee savings, and focus on them for  
24 co-investments. So I think that an additional focus on  
25 those managers that you can have the highest conviction



1 with is also helpful.

2           So I think all of these are going to be developed  
3 and thought about within the strategic planning process  
4 that it's undergoing now, but I can see some aspects of  
5 these are being deployed today.

6           COMMITTEE MEMBER MIDDLETON: Thank you. That was  
7 very helpful. You spoke of the need to focus on those  
8 managers that are having the highest returns. How do we  
9 do that, while also preserving the diversification of our  
10 portfolio, which seems to be a critical part of success  
11 for an entity the size of CalPERS?

12           MR. HARTT: Yeah, absolutely true. And it's a  
13 key tension within the portfolio construction that staff  
14 puts together. So being able to access the allocation  
15 with these strong managers takes time, and attention, and  
16 effort to make that happen.

17           So I think that the additional efforts on  
18 developing the partnerships and knowing that to the  
19 manager that CalPERS would be a consistent partner for  
20 them is important to get that access.

21           Right now, a lot of the analysis that's done to  
22 try to assess whether it's a high conviction manager has  
23 to do with looking at the prior track record and seeing  
24 how that has performed, as well as the skills and  
25 capabilities of the team, but those tend to evolve over

1 time as different strategies develop. But also these  
2 private equity firms are organic beasts, and that certain  
3 partners that are strong some years as they develop, they  
4 may move to more senior and operating level positions as  
5 opposed to deal people and so that needs to be managed.

6 I'd say that at the end of the day one really  
7 needs to think through, from a bottom-up perspective, what  
8 is the quality of the managers from the performance, and  
9 the team, and the strategy perspective, and then apply  
10 some of those top-down views to see are we getting enough  
11 exposure in Europe? Are we getting enough exposure in  
12 growth equities? Are we getting enough exposure -- can we  
13 get anything in early stage venture capital?

14 To try to build those sets of exposures within  
15 the portfolio, some of them are a little bit easier to do  
16 at scale that CalPERS has, because for some of these  
17 things, having scale is really helpful. And for other  
18 strategies, other exposures, having scale is really,  
19 really difficult, because -- in order to get a meaningful  
20 exposure, it's hard to actually deploy the capital in that  
21 way, but -- and get that into the portfolio.

22 That being said, all these are being thought  
23 through and considered as the staff is putting together  
24 the portfolio. But at the end of the day, if you don't  
25 have the access to the top managers through the

1 development of relationships, you're not going to be able  
2 to have that choice about, you know, how that portfolio  
3 gets constructed.

4 COMMITTEE MEMBER MIDDLETON: Thank you, sir.

5 CHAIRPERSON TAYLOR: Thank you, Ms. Middleton.  
6 Mr. Jones.

7 COMMITTEE MEMBER JONES: Mr. Hartt answered my  
8 question in response to Ms. Middleton and I don't know how  
9 to delete my question on the chat box.

10 (Laughter.)

11 CHAIRPERSON TAYLOR: Oh, that's okay. That's  
12 okay. I'm going to move on to Mr. Miller.

13 VICE CHAIRPERSON MILLER: I was going to say just  
14 about the same thing. My questions have been answered.  
15 Ms. Middleton's questions were certainly more succinct  
16 than I would have been able to manage, but I have no  
17 further questions.

18 CHAIRPERSON TAYLOR: Okay. Great. It looks like  
19 we -- excuse me. For Item 8. Oh, we're not there yet.  
20 Never mind.

21 So let's move on to the real assets then.

22 MS. FIELDS: Great. This is Christy Fields,  
23 Madam Chair, members of the Investment Committee and the  
24 Board.

25 I will make some brief comments about real

1 assets. It's always a little bit hard to be the rear  
2 guard here on long days like this. But I will try and  
3 provide just a few kind of high level comments on the real  
4 assets program.

5 I would like to start with a comment that applies  
6 to the total fund as much as it does to the real assets  
7 program, and that is about the turnover in fairly senior  
8 positions. And while the organization is lucky to have  
9 some very deeply experienced and long-tenured  
10 professionals who have stepped in to some of these other  
11 positions, I think it's work recognizing that these are  
12 very different jobs in some ways, very big jobs, and that  
13 some patience and support is -- you know, is merited here.

14 Sarah Corr is in the transition to the MID job  
15 for real assets. She's getting up to speed very quickly.  
16 That said, it's a very large portfolio and it will  
17 certainly take some additional time for her to develop a  
18 truly granular understanding of all the holdings.

19 Her transition though has been facilitated  
20 thankfully by a very stable and experienced staff beneath  
21 her. And so that's been great in easing the transition,  
22 as has the strength of the processes that have been put in  
23 place over the last five to six years under Paul  
24 Mouchakkaa.

25 David, Lisa and I are consistently impressed with

1 the data collection, the data analysis, and then the  
2 investment insights that are developed by the team on a  
3 regular basis and shared through kind of the real asset  
4 Investment Committee meetings.

5 COVID certainly has had an impact on the real  
6 estate portfolio. And there are certain points of pain  
7 for sure in the retail segment, in the transportation  
8 segment, to some degree. But in general, everything is --  
9 the portfolio is generally in control. The staff has a  
10 good handle on the exposures and the concentrations, very  
11 good con -- communication between staff and your long-term  
12 strategic partners.

13 And indeed, the business model that was put in  
14 place in 2011 and then ratified again in 2016 is really  
15 proving its mettle. Just to refresh everyone, these are  
16 kind of a relatively small handful of large separate  
17 accounts with generally relatively low leverage and a high  
18 alignment of interests. They're fee efficient, they're  
19 scalable, and they really allowed staff to have a very  
20 close control of this portfolio.

21 So that's important, not only in times like this,  
22 where there is some stress, but also going forward when  
23 there may be significant opportunity to place additional  
24 capital.

25 On the performance front, I would just

1 highlight -- and this was highlighted earlier, but I think  
2 the performance of the core portfolio and then even within  
3 that, the performance of the income return continues to be  
4 very strong in the real assets portfolio. And that is  
5 delivering on the primary objectives for the portfolio,  
6 which are the delivery of long-term income, and -- with  
7 which you can pay your benefits, diversification from  
8 listed securities, and then a hedge against inflation.

9           If we look at the income return over the last ten  
10 years, all time periods really, exceeded four percent  
11 annually. And if you look at the ten-year T-note now,  
12 it's 66 basis points. You can see the value proposition  
13 that this portfolio brings.

14           The last point I'll make is that valuations are  
15 still quite murky in all real assets, just given the low  
16 levels of transaction activity. We expect some changes to  
17 value. We don't have a lot of visibility a round that.  
18 Some of it will depend on behavior changes and how we  
19 interact with the built environment longer term, based on  
20 our experience with the pandemics. Some of it will depend  
21 on how -- how much future growth rates of rent will be  
22 impacted by the pandemic, and the return to using space in  
23 somewhat more normal fashions.

24           On the other side of that, we have very low  
25 interest rates. And that goes a long way, along with the

1 weight of capital in the market to supporting -- to  
2 supporting more robust valuations.

3 So those are all things that we're continuing to  
4 monitor, both for your portfolio and for the larger  
5 market.

6 So with that, we believe that your real estate  
7 holdings are in good shape, and that they will continue to  
8 provide relative value for you over the long term.

9 With that, I will pause and take questions, if  
10 there are any.

11 CHAIRPERSON TAYLOR: Thanks, Christy. Thanks,  
12 Christy -- wow. I have a bit of an echo here.

13 Henry.

14 COMMITTEE MEMBER JONES: Calling on me?

15 Okay. I'm hearing feedback or something.

16 Am I coming through okay?

17 MS. FIELDS: Yeah.

18 COMMITTEE MEMBER JONES: Oh. Okay. I don't know  
19 what it is. It's something. Anyway, my question goes  
20 to -- as far as the -- and you talk about some weaknesses,  
21 some opportunities, and some threats to the real estate  
22 portfolio. And on the threats, you have, you know,  
23 COVID-19 and some of the others, but you don't make  
24 reference to climate change. Why?

25 MS. FIELDS: It's a good point. We are trying --

1 certainly, it's -- climate will impact the real estate  
2 portfolio. And as was mentioned earlier, real assets,  
3 this was the first year that they were able to do their  
4 carbon footprint. And there are ongoing efforts to try  
5 and create some baseline metrics that we can use over time  
6 to make more -- to get more insights about how impacted  
7 your portfolio might be, and what that might mean for  
8 portfolio construction decisions and ongoing portfolio  
9 management.

10           You all are early movers with a lot of the tools  
11 that are available currently. That said, a lot of these  
12 tools are evolving and I think will continue to bring more  
13 value from a decision-making perspective over time. But  
14 you're right, that was probably an oversight for us not to  
15 mention it at all.

16           Thank you.

17           COMMITTEE MEMBER JONES: Okay.

18           CHAIRPERSON TAYLOR: Okay. That seems to be it,  
19 if we want to move on to -- what was it -- what's our  
20 next -- infrastructure.

21           INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

22           Madam Chair, I think -- I think Ms. Fields was  
23 speaking to all of Meketa's thoughts on real assets  
24 overall.

25           CHAIRPERSON TAYLOR: Okay.



1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: She  
2 can correct if I'm mistaken.

3 MS. FIELDS: That's correct. Thank you. Sorry,  
4 I wasn't clear about that.

5 CHAIRPERSON TAYLOR: Sorry about that.

6 It looks likes then we are done with 6b. So we  
7 should move on to 6c, the review of survey results of  
8 Board investment consultants.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

10 Thank you, Madam Chair.

11 Jared, if we could please move Kristin LaMantia  
12 forward from the attendee room to the panelist room. And  
13 then once that's done, we can move Christy Fields and  
14 Steve Hartt back to the attendee room.

15 (Thereupon an overhead presentation was  
16 presented as follows.)

17 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And  
18 I'll leave it to Ms. LaMantia to walk us through.

19 CONFERENCE MODERATOR: Okay. Kristin should be  
20 on and able to share her audio and video. And I'll move  
21 everybody else out.

22 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

23 Perfect. There she is. Thanks Jared. Kristin,  
24 over to you.

25 ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT

1 DIVISION CHIEF LaMANTIA: Okay. Thank you. Good  
2 afternoon, Madam Chair and Committee members. Kristin  
3 LaMantia, CalPERS team member.

4 I'm here today to go over the annual evaluation  
5 survey results of your Board investment consultants.

6 As shown in the agenda, The Enterprise Strategy  
7 and Performance Division, or ESPD, acts as a neutral  
8 third-party administrator of the Board investment  
9 consultant surveys. This year, the surveys were for the  
10 following consultant groups and asset classes: Wilshire  
11 Associates, for general pension; Meketa Investment Group  
12 for real estate; and Meketa Investment Group, private  
13 equity.

14 The questions asked this year are the same as in  
15 previous years. And this year, six out of the nine  
16 committee members responded to the survey questions.

17 In your materials, the survey results for both  
18 2019 and 2020 are displayed for comparison, for both  
19 Wilshire associates, general pension investment, and  
20 Meketa Investment Group, private equity. And since this  
21 is the first year that Meketa is being graded for real  
22 estate, we only displayed results for 2020.

23 I would like to take a moment to highlight a  
24 survey calculation example. May I ask you to turn to  
25 slide 6 of the PowerPoint deck --

1                   --o0o--

2           ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT

3   DIVISION CHIEF LaMANTIA:  -- which is Wilshire Associates  
4   question number one.  As a reminder, this year, six out of  
5   nine Committee members responded to this survey.  And in  
6   2019, we had nine out of 13 Committee members respond.

7           I'd like to provide the Committee member  
8   equivalent to the percentages you see listed here.  So for  
9   questions number one, "accurately analyzes issues and  
10  provides timely and objective information".  The blue bar  
11  chart represents 2019.  We had 56 percent, or five  
12  Committee members, rate very satisfied, 33 percent or  
13  three Committee members rated satisfied, and 11 percent,  
14  or one Committee member, rated neutral.

15           The gray bar chart represents 2020.  We had 33  
16  percent, or two Committee members, rate very satisfied; 67  
17  percent, or four Committee members, rate satisfied; and  
18  zero Committee members rating neutral.

19           When considering this specific question this  
20  year, 90 percent of Committee members who took the survey  
21  rated very satisfied or satisfied.  Last year, the  
22  percentage was 89.

23           CHAIRPERSON TAYLOR:  Can we overview this rather  
24  than go through each question?

25           ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT

1 DIVISION CHIEF LaMANTIA: Oh, yeah. That was the only one  
2 I was going over.

3 CHAIRPERSON TAYLOR: Okay. Great.

4 ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT

5 DIVISION CHIEF LaMANTIA: Yeah.

6 The comprehensive results for all consultant  
7 group surveys are included in your materials, in the form  
8 of charts representing the various answers selected by  
9 participating Committee members.

10 And with that, I will pause and ask if there's  
11 any questions?

12 CHAIRPERSON TAYLOR: I do have a question from  
13 David Miller.

14 VICE CHAIRPERSON MILLER: There we go.

15 Yeah, I think it's probably time that we take a  
16 look at this survey a little more carefully from a design  
17 perspective and see if we think all these questions  
18 really, you know, serve our needs.

19 The other thing that strikes me is, at least for  
20 the surveying the Board, it might make more sense to just,  
21 in terms of deployment of the survey, rather than send it  
22 out and have less than half of us bother to reply, which  
23 leaves me wondering, did they just love everyone so much  
24 that they couldn't bring themselves to finish the survey  
25 and were, you know -- or what, but to maybe do it in

1 person with each of us, and just, you know, walk through  
2 it, and have us even do it in a conversational. Go  
3 through each of the questions, annotate our, you know,  
4 results, and even provide an opportunity for more  
5 open-ended feedback versus this 6 out of 13, which leaves  
6 me unable to interpret what the Board really thinks at  
7 all.

8           And that's it.

9           ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT  
10          DIVISION CHIEF LaMANTIA: Thank you.

11           CHAIRPERSON TAYLOR: Thank you, David. And I  
12 will agree, I think these questions sort of don't apply to  
13 our relationship with the Board. And I know it's the same  
14 questions we've been asking for some years. So I'm  
15 wondering if maybe we should put together, and that's a  
16 Henry question, some sort of working group to take a look  
17 at the questions and then take a look at how we can make  
18 sure we get fuller responses, you know, more than just six  
19 or more than just however many -- whatever that percentage  
20 is of the Board Investment Committee members.

21           So -- and I did kind of opine on this I think a  
22 little bit before with -- with our consultants as well,  
23 because I think -- so for example, let me give you an  
24 example.

25           Where did it go?

1 I'm losing it here.

2 Recommends ways to control or reduce fees and  
3 costs. I'm not sure that that -- that they'd do that with  
4 us. Helps define appropriate risk parameters and identify  
5 mitigation strategies. I'm just not sure that these are  
6 report -- I mean, with their fuller reports, we can ask  
7 these questions, of course, but I think it's important  
8 that we have better questions on what their actual scope  
9 of work is, that maybe -- and I believe that's in their  
10 contract. So maybe we can align those questions better  
11 with that.

12 So I agree with David that maybe we should look  
13 at that. And, Henry, that's up to you, if you want to put  
14 together a working group on that.

15 CHIEF EXECUTIVE OFFICER FROST: Chair Taylor,  
16 these questions have been patterned after the scope of  
17 work of the contract that -- you know, that sets  
18 expectations for all these independent consultants to go  
19 to the Board.

20 So it doesn't mean that we can't modify the  
21 questions, if, you know, these are not the questions that  
22 really demand the expectations or highlight the  
23 expectations that you have for your investment  
24 consultants. But we'd be happy to hear more about that.

25 The other thing we could look at is are we giving

1 you enough lead time to complete this? This should be a  
2 fairly easy survey to go in and complete. You -- perhaps,  
3 you need a little more lead time to do that, but happy to  
4 talk about a number of avenues to make this more in line  
5 with what you expect.

6 COMMITTEE MEMBER JONES: Yeah. Ms. Taylor, yes,  
7 I will take this under advisement and see -- you know,  
8 working with staff and see what we could do. However, I  
9 was wondering about the six respondents out of nine,  
10 because this was intended to go to all 13 Board members,  
11 so I was not aware that it only went to the Investment  
12 Committee members, because these are consultants to the  
13 whole Board, as David indicated. So that's another piece  
14 we need to resolve that.

15 CHAIRPERSON TAYLOR: I agree, Henry.

16 COMMITTEE MEMBER JONES: Even though, they're not  
17 on the Committee, it's still a consultant to the Board,  
18 because they talk -- you know, they serve us all, and  
19 so --

20 CHAIRPERSON TAYLOR: That's true.

21 COMMITTEE MEMBER JONES: Yeah.

22 CHAIRPERSON TAYLOR: I agree. I agree.

23 COMMITTEE MEMBER JONES: Yeah.

24 CHAIRPERSON TAYLOR: Did you have an additional  
25 question, Henry?

1 COMMITTEE MEMBER JONES: No. No, I just  
2 wanted -- that was going to be my comment about the 6  
3 versus 9 members of the Investment Committee. And also I  
4 heard, you know, the comment, so we could take a look at  
5 what modifications may be appropriate.

6 CHAIRPERSON TAYLOR: Okay. Thank you very much.  
7 And then Ms. Paquin.

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

10 So we also support taking a look at the survey,  
11 just to see if there's still the best type of feedback  
12 that we can get. And I also like the idea of having  
13 open-ended questions. And then I think it would be  
14 helpful to ask the consultants to do a short overview of  
15 their work from the prior year to be sent out to the Board  
16 along with --

17 CHAIRPERSON TAYLOR: That's a good idea.

18 ACTING COMMITTEE MEMBER PAQUIN: And just kind  
19 of -- because sometimes they do work closely with staff  
20 and that doesn't always come through in the Investment  
21 Committee meetings.

22 Thank you.

23 CHAIRPERSON TAYLOR: Right, but these are -- I  
24 agree, Lynn, that -- and I even thought about that. I was  
25 thinking, well, are these questions that they answer to



1 the staff, but then why are we taking the survey, right?

2 ACTING COMMITTEE MEMBER PAQUIN: I think it's  
3 just good for all of us all to have an understanding of  
4 what their interactions with staff and then we can kind of  
5 base what we -- the kind of feedback we get from them  
6 during the Board meetings on what they've been doing in  
7 the background, so...

8 CHAIRPERSON TAYLOR: Right. Right. Good idea.  
9 Okay.

10 I think that was it on the Board survey, if we  
11 want to move to 6d, and that's the long-term care.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
13 right. Thank you, Madam Char. Yes, Jared, if we could  
14 please bring Don Moulds, Eric Baggesen, and Christine  
15 Reese forward to the -- to the panelist group, and then  
16 Kristin we can move back -- Ms. LaMantia back to the  
17 attendee group would be great.

18 CONFERENCE MODERATOR: Okay. We have our three  
19 presenters ready to come on.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

21 Perfect. Thank you, Jared. And as you say, Ms.  
22 Taylor, this item is an update on the plan around the --  
23 reviewing the asset allocation for the Long-Term  
24 Care Program. So with that, I'll turn it over to Don  
25 Moulds to introduce the item and we'll take it from there.

1 Don, over to you.

2 CHIEF HEALTH DIRECTOR MOULDS: Great. Good  
3 afternoon. Don Moulds, Chief Health Director and CalPERS  
4 team member. I should I guess let everybody know first  
5 that I haven't inadvertently logged on to the wrong  
6 Committee meeting.

7 As all of you know, several CalPERS team members  
8 have been working on a solution for our Long-Term Care  
9 Program. That extends -- that work extends across  
10 jurisdictions of three different Board committees, the  
11 Investment Committee, the Finance and Administration  
12 Committee, and the Pension and Health Benefits Committee.

13 Staff in all three of those branches -- sorry,  
14 staff in all three of those branches have been meeting  
15 weekly to coordinate their work. And because we're all  
16 having discussions in three different committees, today  
17 and tomorrow, we thought it would be helpful to do a  
18 little bit of front-end framing to clarify how those  
19 discussions fit together.

20 I should note that all of the agenda items this  
21 month are informational, save for an item on the action  
22 consent agenda at FAC, where we're seeking authority to  
23 move forward with a request for proposal. Most of the  
24 items were discussing at this Board meeting will come back  
25 to you in November, where we'll be recommending action.

1           Back in the spring, the team alerted you that  
2 CalPERS is facing the potential need to adjust actuarial  
3 assumptions in the model it uses to project future costs  
4 and to reduce the discount rate for the Long-Term Care  
5 Fund in light of recent returns of the fixed income  
6 investments, which are the Long-Term Care Fund's primarily  
7 holding.

8           As I discussed in April and June, without  
9 additional actions, such changes would, unfortunately,  
10 require significant premium increases.

11           I'll remind you of what I reminded you of then,  
12 which is that the Long-Term Care Fund and its discount  
13 rate are totally separate from the CalPERS pension fund.  
14 The Long-Term Care Program is a closed fund, which means  
15 that additional revenue needed to meet any new liabilities  
16 must be generated from within the Long-Term Care Program.

17           So let me go ahead and jump in and give you a  
18 snapshot of the discussions you're going to be hearing and  
19 how they fit together. In FAC, you're going to be getting  
20 a detailed account from the actuarial team of proposed  
21 updates to the model they use to determine future  
22 liabilities of the Long-Term Care Fund.

23           These include: changes to our assumptions about  
24 morbidity, which is the rate of disability among our  
25 long-term care population; mortality, which is the death

1 rate among our population; lapse, which is the rate at  
2 which policyholders drop coverage and exit the program;  
3 and the discount rate, which is the rate at which we  
4 discount future liabilities, based on investment returns.

5           The projected updates to our assumptions about  
6 morbidity, mortality and lapse are not insignificant, but  
7 it's the discount rate that's the primary driver of the  
8 potential need to raise rates. When FAC meets on Tuesday  
9 afternoon, Scott and his team are going to tell you that  
10 based on the work conducted by his team and validated by  
11 outside actuaries, they believe we need to adjust the  
12 discount rate from its current five and a quarter percent  
13 down to about four percent. That's a significant drop,  
14 which, if not addressed, would create a shortfall in the  
15 Long-Term Care Program.

16           To repeat what I said earlier, you're not going  
17 to be asked to adopt the proposed changes to the discount  
18 rate this month. Much of the work we've been doing  
19 internally is focused on solutions that would allow the  
20 Board to adopt a more modest adjustment to the discount  
21 rate.

22           There are essentially three ways of addressing  
23 shortfalls in the Long-Term Care Program. The first is by  
24 raising premiums, the second is through changes to benefit  
25 design, and the third is by taking steps to improve our

1 investment returns. To be clear, reducing the amount we  
2 need to raise premiums is what we're trying to avoid doing  
3 here.

4 I'll also add that we can't change the benefit  
5 design unilaterally. We're contractually obligated to  
6 provide the benefits our policyholders signed up for,  
7 unless they voluntarily switch to a different benefit  
8 structure.

9 Nonetheless, we can offer them alternative  
10 benefit packages with lower actuarial value as a way of  
11 giving them the option of avoiding otherwise needed  
12 premium increases.

13 The Health Branch team has been working with both  
14 our own actuaries and with outside consultants to explore  
15 possible new benefit design options and to model them.  
16 I'm going to be coming with you about our current thinking  
17 with respect to alternative benefit structures at PHBC on  
18 Tuesday.

19 As I said, the third way of addressing the  
20 shortfall in the Long-Term Care Program is by taking steps  
21 to improve our investment returns. This has been a major  
22 focus of the work the cross-branch team has engaged in  
23 over the summer. I'll say that we were initially  
24 pessimistic about the prospect of improving returns. The  
25 average age of an LTC Beneficiary is 75, which means that

1 a number of -- the number of folks in the program are  
2 approaching the age at which they will start needing  
3 services.

4 For the program, the start of services also marks  
5 a time when eligible program enrollees stop paying  
6 premiums and start drawing down on their policies. Our  
7 initial concern was that the near-term generation of new  
8 liabilities would really limit our ability to consider  
9 longer term investment strategies.

10 There are a couple of considerations that have  
11 generated some optimism however. The first is that the  
12 modeling that takes into consideration the updated  
13 assumptions about morbidity, mortality, and lapse show us  
14 that even though there are significant near-term  
15 liabilities facing the Long-Term Care Fund, those  
16 liabilities don't hit their peak until 2039, close to 20  
17 years from now. That timeline opens up the possibility of  
18 a some longer term investment options.

19 Second, the team spent much of the summer doing  
20 extensive research, working with two outside consultants  
21 and engaging national experts with experience in long-term  
22 care and other closed fund portfolio investing. The  
23 takeaway from that work is that we think that CalPERS can  
24 potentially improve their investment returns on their  
25 existing portfolio, with its existing liability schedule

1 without assuming inappropriate risk. You're going to hear  
2 more about that from the Investment team in just a minute.

3 All of this brings us to where we are today,  
4 which is to the three discussions you're going to be  
5 hearing in three committees, INVO, PHBC and FAC. I'll  
6 apologize to you now, that the order in which you're going  
7 to be hearing these discussions isn't liner, but the  
8 committee schedule sort of dictated that.

9 Today, the Investment Committee -- in the  
10 Investment Committee you're going to be hearing from the  
11 INVO team about their plans to move forward with an RFP  
12 for specialized investment management help with the LTC  
13 fund. They're also going to be updating you on some of  
14 the key takeaways from the research we conducted over the  
15 summer and to update you on proposed changes to the  
16 management of the LTC fund going forward.

17 Tomorrow morning at PHBC, I'm going to walk you  
18 through some of the options we've looked at on the benefit  
19 design side and outline an approach to offerings for  
20 members who want to buy down any potential benefit  
21 increase by taking up alternative benefit designs.

22 Tomorrow afternoon, ACTO is going to walk the FAC  
23 Committee through all of the modeling work they've done to  
24 identify current Long-Term Care Program liabilities.

25 Two more things, before I turn it over to the

1 INVO team. First, a reminder that these three discussions  
2 I just went over will all be informational, in particular  
3 it's important to be clear that we aren't asking you to  
4 adopt a discount rate or to memorialize program  
5 liabilities. What you're getting today is a snapshot of  
6 where we are if we take no action. Our hope is that come  
7 November, we will be recommending actions, which will  
8 change the current discount rate and liability snapshot,  
9 and which will be a better scenario.

10           And second, I want to again recognize that this  
11 is an exceedingly difficult time to be having this  
12 discussion. We live in difficult and uncertain times and  
13 we deeply regret the extent to which this discussion adds  
14 to the anxieties facing our Long-Term Care Program  
15 beneficiaries. As I've said in the past, we are  
16 responding to multiple systemic issues facing the entire  
17 long-term care insurance sector. Our goal here is to  
18 mitigate the negative effects those challenges have on our  
19 policyholders.

20           And with that, I'm going to turn it over to the  
21 investment team.

22           INVESTMENT DIRECTOR REESE: All right. Thank  
23 you, Don. Can everyone hear me?

24           Perfect.

25           All right. Good afternoon, Madam Chair and



1 members the Committee. Christine Reese, CalPERS team  
2 member.

3 As Don mentioned, I'm going to provide a brief  
4 review of some of the key research findings and plans to  
5 release a request for proposal, or RFP, for an investment  
6 manager to provide specialized services for the Long-Term  
7 Care Fund. The recommendation, as Don also mentioned, is  
8 part of the Finance and Administration Committee agenda.

9 So during the last few years, as we've heard, the  
10 long-term return expectations for fixed income securities  
11 has dropped to historically low levels, along with  
12 interest rates. The Long-Term Care Fund has a majority  
13 allocation to fixed income securities to keep volatility  
14 low. And this results in a long-term expected portfolio  
15 return of four percent down from more than five and a  
16 quarter in 2018, when we last did our asset allocation  
17 study.

18 The Health, Actuarial, and Investment offices  
19 have been conducting research with the outside  
20 consultants. These consultants have expertise in the  
21 long-term care industry.

22 And through this process, we've identified  
23 investment managers that have significant experience with  
24 insurance companies, specific expertise with asset  
25 liability management for insurance type funds, and

1 quantitative investment models and strategies that are  
2 specifically geared for insurance type funds.

3           So, a letter bit of detail without getting into  
4 much. The models that these managers utilize focus on  
5 asset liability management and can incorporate such  
6 factors as the expected liabilities, potential premium  
7 increases, expected investment returns, and cash flow  
8 matching to produce portfolio outcomes for evaluation.

9           The assets classes that may be proposed by  
10 managers could include current asset classes, such as  
11 equities and fixed income, as well as less liquid asset  
12 classes, such as private equity and real estate, and  
13 possibly the use of leverage, some of themes you've heard  
14 previously with regard to the PERF.

15           In way of strategies, some of the strategies  
16 could include a buy-and-hold strategy for certain asset  
17 classes, dynamic asset allocations, and a risk-reducing  
18 glide path in future years to provide just a few examples.

19           As the sole sources of funding for the Long-Term  
20 Care Fund are policyholder premiums and investment  
21 returns, it is very important that we review all options  
22 and ideas that could be of benefit to the fund. Based on  
23 these research results, we're optimistic that releasing  
24 the RFP for the Investment Manager will result in custom  
25 designed portfolio solutions and strategies that may

1 increase returns for the fund while maintaining an  
2 appropriate level of risk.

3 We anticipate that the results of the RFP and the  
4 recommendations for the strategic asset allocation and  
5 investment manager to be presented in November at the  
6 Investment Committee for review and approval, as well as  
7 at the Finance and Administration Committee for approval  
8 of the external manager fees.

9 So I'm keeping my remarks brief. This concludes  
10 my remarks and I'm happy to take any questions.

11 Thank you.

12 CHAIRPERSON TAYLOR: It doesn't appear I have any  
13 questions. Anybody, just before I go?

14 Ms. Brown, I don't see you, but okay.

15 BOARD MEMBER BROWN: Sorry. Yeah. Thank you.  
16 So, you know, up until this time, we've been -- our  
17 staff -- internal staff has been managing and doing the  
18 asset allocation for the Long-Term Care Fund, is that  
19 correct?

20 INVESTMENT DIRECTOR REESE: Yes, that is correct.

21 BOARD MEMBER BROWN: Okay. So it feels like  
22 we're kind of doing the opposite. It's like, you know,  
23 we're trying to get rid of managers and reduce the cost,  
24 so we can make more money, right, and not give it away to  
25 managers. And now, we're kind of doing the opposite with

1 the Long-Term Care Fund. And it just -- it doesn't seem  
2 to make sense. I heard your explanation. Can you -- can  
3 you share with us what they think they're going to get?

4 I mean, because the problem is, you know, unless  
5 we get an agreement, like when we heard the gentleman who  
6 ran the Japan fund, and basically unless the manager  
7 produced beta, all they got was the regular fee. They  
8 didn't get a bonus or they didn't get their higher fee.

9 And so that's my concern, we're going to end up  
10 spending more money, because we're going to be sold a bill  
11 of goods and we're going to believe what they say, because  
12 we want to believe it and we want to make -- get higher  
13 returns for the long-term care. And we're going to end up  
14 paying more and getting no bang for our buck and that's my  
15 concern.

16 INVESTMENT DIRECTOR REESE: Yeah. A couple of  
17 things that I'd like to mention. The Long-Term Care Fund  
18 is currently externally managed. However, we do retain  
19 the asset allocation work in-house.

20 This particular fund is highly specialized. And,  
21 you know, we are -- we are in a position to where we  
22 really think that we would benefit from learning from the  
23 incremental expertise that these managers have,  
24 specifically in the investment -- in the -- I'm sorry in  
25 the insurance fund arena.

1           So there are a lot of unique characteristics  
2 about this particular fund that are different from a  
3 pension fund, which is the large majority of what we, you  
4 know, typically manage.

5           As well, this fund is a \$5 billion fund. So if  
6 we were to look into say private equity or real estate, it  
7 would be difficult for us to manage those types of  
8 investments in-house. So it would be a more  
9 straightforward implementation. There will obviously be  
10 fees associated with that. But if we look at the -- you  
11 know, we're going to look at what all of the managers have  
12 to offer and really select what we believe is the best  
13 combination of return-risk as well as cost. So we're not  
14 looking to simply find the manager that provides the  
15 highest return regardless of cost.

16           BOARD MEMBER BROWN: Well, it's -- and again,  
17 it's not the highest return. It's the highest return they  
18 say they can get. That's not the same thing.

19           INVESTMENT DIRECTOR REESE: Agreed.

20           BOARD MEMBER BROWN: All right. Maybe Ms.  
21 Olivares has a comment.

22           CHAIRPERSON TAYLOR: So, Mr. Rubalcava.

23           COMMITTEE MEMBER RUBALCAVA: Thank you, Ms.  
24 Chair. I appreciate the comment -- the presentation,  
25 thank you. And I think the -- I'm glad you answered -- I

1 was going to -- my question was related a little bit, but  
2 the answer is sort of the same. You mentioned in your  
3 presentation about the -- I guess, the specialized  
4 consultant -- investment consultant you want. You had  
5 mentioned as one of the possible strategies -- glide path.  
6 That automatically tells you that it's very different from  
7 a defined benefit program, which is open-ended, ong term.  
8 Glide path is when there is an endpoint.

9           And for example, you -- you know, like they do --  
10 I think it was in one of these reports. You have these  
11 target date funds where the date you're going to retire or  
12 that you're going to expire or you your benefit.

13           Say I think -- so I think your answer --  
14 actually, it was the question I was going to ask is what  
15 are the outside skills that we don't have inside, and one  
16 of them is the outlook you have, whether a long-term  
17 versus like a date target fund, where there's an end date.  
18 So I appreciate that.

19           And also, if we can -- I had a vote on lowering  
20 the discount rate. If we can vote on increasing the  
21 discount rate, expected return, that's a good thing,  
22 because it puts less pressure you are on premiums. So I  
23 think we -- we -- I have to commend staff for looking at a  
24 possible solutions, and this -- I'm looking forward to  
25 seeing what the RFP look like and looking forward to what

1 the results are. And we all will have time to deliberate  
2 those results of the RFP and the scope of work. So I look  
3 forward to this.

4 I know it's only -- what do you call it --  
5 information agenda, but looking forward to when it is an  
6 action item.

7 Thank you.

8 INVESTMENT DIRECTOR REESE: Thank you.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

10 Thank you, Mr. Rubalcava. That was my comment  
11 that I was going to make is you certainly are going to  
12 have -- we will go through the RFP process and we will  
13 come up with a recommendation, but certainly this will be  
14 an action item before this Committee in the future before  
15 we take any action.

16 CHAIRPERSON TAYLOR: Great. Thanks, Dan.

17 It looks like that's it for questions. Let me  
18 sake sure.

19 No. Hey, Stacie.

20 COMMITTEE MEMBER OLIVARES: Hi. I have a  
21 question. So I know that with long-term care, assisted  
22 living and in-home supportive services, they're seeing  
23 significant annual increases in cost. I'm wondering if we  
24 also look at that from the investment side. So are we  
25 looking at those investment opportunities, and if so, what

1 influence do we potentially have there?

2 INVESTMENT DIRECTOR REESE: I'm not -- I'm not  
3 certain I follow your question. Can you restate it?

4 COMMITTEE MEMBER OLIVARES: So, yeah, so there  
5 are two sides. And this happen with insurance companies,  
6 right? So let's talk about from the insurance angle.  
7 There will be the Investment Office, right? And they make  
8 investments and many of them will invest in companies that  
9 provide in-home supportive services or invest in a Real  
10 Estate Investment Trust that provide assisted living,  
11 because those are a very profitable market.

12 I'm wondering if we coordinate with our  
13 Investment Office to take a look at those investment  
14 opportunities to better understand what those costs are  
15 going to be going forward, and what investments we can  
16 make, and then thirdly, how we can kind of influence those  
17 costs.

18 CHIEF HEALTH DIRECTOR MOULDS: So I'll -- I can  
19 start and just by saying that we periodically have  
20 conversations on the health side with our Investment  
21 Office over exactly these kinds of things. We have not  
22 had that conversation yet with respect to long-term care  
23 services, but would be -- I think it's a great idea. We'd  
24 be happy do it.

25 COMMITTEE MEMBER OLIVARES: Thank you.



1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: The  
2 only thing I would add to that, Ms. Olivares, your  
3 question around the investments. That's one of the  
4 reasons to go out with an RFP is to survey the marketplace  
5 and people with insurance expertise to see if there's --  
6 if there are ways to align the liabilities with the assets  
7 more directly.

8 COMMITTEE MEMBER OLIVARES: Great. Thanks.

9 CHAIRPERSON TAYLOR: All right. Great. That's  
10 the end of our questions.

11 We do have two callers for the end of -- at  
12 public comment, but right now, Summary of Committee  
13 Direction.

14 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All  
15 right. Thank you, Madam Chair. I had four items for  
16 Committee collection, and I'll ask if there are others.  
17 But the four that I have was number one a description of  
18 the rationale for the exemptions. And for what it's  
19 worth, I guess there's actually a link on the CalPERS  
20 intranet site, but we'll make sure that we get that link  
21 out, so that everybody can understand what those -- what  
22 those terms mean when we're -- when we reference  
23 exemptions from competitive bid.

24 The second one is for Ms. Anne Simpson to come  
25 back with a climate change update in November, so we'll

1 make sure that we get that agendaized for the -- for the  
2 November agenda.

3           The third was we had public comment from Mr.  
4 Girling and Mr. Darby. And we will reach out to them to  
5 try to get their questions answered.

6           And then the fourth thing that we had was to try  
7 to get consistency between the CAFR and the Investment  
8 Office reporting around -- around kind of the naming  
9 conventions for some of the managers and strategies.

10           And those are the -- those are the four  
11 directions that I had. I'll ask Arnie or Ms. Taylor if  
12 you had any -- anything that I was missing.

13           CHAIRPERSON TAYLOR: I don't think so. Arnie,  
14 did you have anything?

15           INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:  
16 No, not on this side either.

17           CHAIRPERSON TAYLOR: Okay. No, that all looks  
18 good.

19           So we still have closed session. I'm going to  
20 move into public comments.

21           Mr. Fox.

22           STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
23 Chair. Back on Item 6d, you have two callers specifically  
24 for that subject.

25           The first caller J.J. Jelincic.

1 MR. JELINCIC: Hello. The trust documents say  
2 that the Board is in charge of the administration of the  
3 system and the investment of trust funds. A key to  
4 investing is to define the level of risk to be undertaken.  
5 No fiduciary responsibility is more fundamental than  
6 determining the risk appetite of the fund.

7 You have just been told that your agents are  
8 going to contract out the job of defining your risk  
9 appetite. Your agents have just told you that they're  
10 going to contract out the identification of the asset  
11 allocation that reflects your risk appetite.

12 Your agents have just told you that they will  
13 contract out the investment management of the fund. They  
14 have also told you that they are far enough along with  
15 defining your risk appetite, the asset allocation  
16 reflecting that appetite, the manager to make those  
17 decisions, and to manage the fund will be reported to you  
18 by next month. You're rapidly earning the nickname board  
19 of standbys.

20 Thank you.

21 CHAIRPERSON TAYLOR: Mr. Fox, the next one.

22 STAKEHOLDER RELATIONS CHIEF FOX: Yeah. Just a  
23 moment, Madam Chair. Tim Behrens is trying to get into  
24 the queue here. So I have Tim Behrens and then Larry  
25 Woodson.

1 MR. BEHRENS: Thank you, Madam Chair, members of  
2 the Committee. Tim Behrens, California State Retirees.

3 CSR is very concerned about the sustainability of  
4 the Long-Term Care Program. We do agree that efforts to  
5 increase investment returns are needed and that review of  
6 current asset allocation strategies and investment  
7 management is in order.

8 However, we do have concerns regarding hiring an  
9 outside manager at a cost of over \$1 million annually to  
10 perform what hopefully CalPERS investment professionals  
11 could do themselves. If given the direction of reviewing  
12 and altering asset management strategies and making new  
13 investments, it seems staff could perform this at a  
14 savings of over \$1 million annually.

15 In the benefit and risk analysis staff present,  
16 only the risk from not conducting an RFP search are  
17 listed. It seems there should also be a listing of risks  
18 associated with hiring an outside firm.

19 Thank you.

20 CHAIRPERSON TAYLOR: Thank you, Mr. Behrens.

21 Mr. Fox, the next person.

22 STAKEHOLDER RELATIONS CHIEF FOX: Yes. This is  
23 Larry Woodson

24 MR. WOODSON: Yes. This is Larry Woodson,  
25 California State Retirees. And thank you for the

1 opportunity to comment. I will comment later on the  
2 discount rate reduction proposal, which will be discussed  
3 tomorrow. As Chair of the Health Benefits Committee, I,  
4 and our -- my committee members, have heard concerns from  
5 our members for a number of years now about -- that have  
6 the LTC program about the increased premiums and less  
7 benefits. And so I -- I do applaud Dr. Moulds and his  
8 team's efforts to address the -- the issues, and the --  
9 ensure sustainability of the program.

10           And I also agree with Mr. Behrens that risks --  
11 the risks identified in the write-up are only for not  
12 letting the RFP and there are risks associated with hiring  
13 the external managers, so -- and maybe I could mention a  
14 couple of those. I mean, the -- there is a -- it kind of  
15 runs counter to CalPERS with the PERF funds trying to  
16 reduce outside managers. I think they've reduced them by  
17 over a hundred.

18           And the other thing is I've just heard that, you  
19 know, and to their credit, CalPERS has already done a lot  
20 of consultation and has made some conclusions, drawn some  
21 conclusions about the opportunity for longer term  
22 investments. Of course, I think we're concerned about the  
23 short term too. Particularly, there was no mention of a  
24 lawsuit, and that could throw the whole thing into a  
25 tether.

1           But also accrue -- assuming a new asset  
2 allocation would decrease investment in low risk fixed  
3 income assets, which have 60 -- I mean, the fund has 67  
4 percent in fixed income, you -- I'm assuming a lot of that  
5 would be changed into other instruments, which would be  
6 higher risk. And there's just a -- you know, the economy  
7 is on such shaky ground now, that it could result in major  
8 loss in the short term rather than gain.

9           And my last comment is an observation, which is  
10 puzzling to me. The long-term care invests 67 percent of  
11 its fixed income -- in fixed income investments the  
12 Long-Term Care Fund, and the latest total returns were  
13 four percent. And yet, for the PERF, fixed investments --  
14 the fixed income was the highest return at 12 and a half  
15 percent and even last year, it was nine and a half  
16 percent, so I'm not sure why the disparity.

17           So, I guess in conclusion, we don't completely  
18 oppose, you know, letting out an RFP, but have a lot of  
19 concerns with it and hope the Board will scrutinize it and  
20 consider the risks associated with it and maybe save us  
21 over a million dollars a year by letting our own --

22           CHAIRPERSON TAYLOR: Thank you, Mr. Woodson.

23           MR. WOODSON: -- professional staff --

24           CHAIRPERSON TAYLOR Thank you, Mr. Woodson.

25           MR. WOODSON: Thank you.

1 CHAIRPERSON TAYLOR: Thank you.

2 Mr. Fox, can you go ahead and get the next  
3 person.

4 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
5 Chair. That concludes the conversations regarding Item  
6 6d.

7 The next ten callers will all be on public  
8 comment related to fossil fuels.

9 I'll be -- I'll start and ask each one of the  
10 callers to please introduce themselves.

11 CHAIRPERSON TAYLOR: In the -- in the effort of  
12 making sure that we are conserving our time, because we  
13 still have a whole closed session to go through, I would  
14 ask that our public commenters, if you're repeating  
15 somebody else's words, don't do that. Just make your --  
16 if you can make separate comments, that's great, but if  
17 you think you can combine the comments together, that  
18 would also be great.

19 Appreciate it. Thank you.

20 STAKEHOLDER RELATIONS CHIEF FOX: Go ahead, Mr.  
21 Filling.

22 DR. FILLING: Good afternoon. My name is Steven  
23 Filling. I've been blessed to teach accounting as CSU  
24 Stanislaus for the last quarter of a century. In the  
25 pellucid phrases of Governor Newsom, we're in a climate

1 dam emergency, an emergency driven by climate change,  
2 driven in turn by burning coal.

3 A report issued today by the Fossil Free  
4 California group calls into question CalPERS compliance  
5 with SB 185 rule sets. I'm requesting that the Board seek  
6 a review of 185 compliance efforts. Further more, I  
7 suggest that perhaps in line with the spirit of SB 185,  
8 you consider examining performance on this through the  
9 lens of the global coal exit lists rather than waiting for  
10 the Legislature to issue further direction.

11 On financial matters, it's far from clear that  
12 thermal coal company investments will retain value, let  
13 alone generate return. We know that returns on fossil  
14 fuel investments are lower than other sectors. And given  
15 the global push to reduce fossil fuel use, I don't see any  
16 reason for optimism.

17 A little while ago, Ms. Field referred to CalPERS  
18 as having a reputation as early movers. I encourage us to  
19 live up to that reputation and move early and quickly out  
20 of the coal industry.

21 Thank you for listening.

22 STAKEHOLDER RELATIONS CHIEF FOX: Next caller.

23 Go ahead, Ms. Kaufman.

24 MR. KAUFMAN: Oh. Hi. Thank you. I didn't know  
25 I was next.



1           So thank you so much for taking the time to  
2 listen to me. And I just wanted to say that according to  
3 the recent report called, "CalPERS Continues Investing in  
4 Coal", CalPERS owns five billion in the companies which  
5 are on global coal exit list, and 1.46 billion in the top  
6 100 coal companies. CalPERS has not been an early adopter  
7 and an early leader in this. You're really lagging  
8 behind. Being in these companies is incredibly risky,  
9 because market forces and public policy will bring these  
10 companies down and we'll lose money for the fund, as their  
11 assets become stranded. We would like for you to  
12 completely divest from fossil fuels.

13           And we know that selling shares in itself is not  
14 significant, as other buyers will buy those shares, but  
15 doing so will send a dramatic message, which has been  
16 proven to lead to political tipping points. Please inform  
17 yourselves and read the article from January of this year  
18 in the proceedings of the National Academy of Sciences  
19 called "Social Tipping Dynamics", which explains how  
20 divesting from fossil fuels, from -- with a -- from an  
21 institution such as yours, which is quite large, will have  
22 dramatic impacts on shifting the way coal companies are  
23 allowed to operate and will have a huge impact.

24           You guys are in an incredibly powerful position  
25 to make a tremendous difference in stopping the problem of

1 climate change, which is causing such a disaster for all  
2 us right now.

3 Thank you so much.

4 CHAIRPERSON TAYLOR: Next, please.

5 STAKEHOLDER RELATIONS CHIEF FOX: Next, we have  
6 Ms. Thorne.

7 MS. THORNE: My name is Sheila Thorne. I'm a  
8 CalPERS beneficiary and a retired member of CFA. And I'm  
9 very concerned by the dis -- decisions to add billion in  
10 coal and coal-related holdings in recent years, holdings  
11 that are on the Global Coal Exit List as revealed in the  
12 CalPERS report, "Continues to Invest in Coal Report".

13 I think these investments are both ethically and  
14 fiduciarily irresponsible. For example, Duke Energy, the  
15 largest of these holdings was convicted in 2015 of nine  
16 federal environmental crimes for allowing coal ash dump  
17 sites in North Carolina to leak toxic waist into water  
18 supplies.

19 Last year, Duke Energy admitted that it has  
20 continued to pollute drinking water with mercury, barium,  
21 lithium, radium 226 and radium 228. Higher rates of  
22 cancer, especially thyroid cancer, have occurred in the  
23 small North Carolina communities near Duke Energy plants.

24 In 2017, Duke Energy was the nations worst  
25 emitter at 104.6 million tons of CO2 emissions. In

1 Southwestern Indiana, where its Gibson Plant was declared  
2 a super polluter, 1,674 people went to emergency rooms  
3 with asthma attacks in one year. Coal kills.

4 Many communities around power plants are low  
5 income and of color. The cost of Duke Energy's forced  
6 toxic coal ash clean up is estimated to climb to ten  
7 billion in the coming years, and that does not include all  
8 the litigation costs.

9 Carbon Tracker found that 89 percent of Duke's  
10 coal fleet has a negative profitability rate and 96  
11 percent could have negative profitability by 2030. There  
12 will be no long-term returns on coal.

13 Duke Energy makes empty promises to become net  
14 zero by to 2050, but a Sierra Club report reveals that  
15 they still plan to keep coal plants on line until as late  
16 as 2048 and operate roughly nine gigawatts of coal into  
17 2030.

18 Meanwhile, apocalyptic firestorms, the result of  
19 warming, are raging around us. Frankly, I'm terrified.  
20 How can you continue investment just -- how can you  
21 justify continued investment in the coal chain?

22 Thank you.

23 CHAIRPERSON TAYLOR: Thank you.

24 Next, Mr. Fox.

25 STAKEHOLDER RELATIONS CHIEF FOX: We have next

1 Sarah Theiss.

2 MS. THEISS: Hi. My name is Sarah Theiss. I'm a  
3 member of Fossil Free California and a CalPERS retiree.

4 Ms. Frost's letter to me yesterday is apparently  
5 CalPERS response to our coal report, as well as to three  
6 letters to you about CalPERS coal holdings that we've sent  
7 over the past three months.

8 The letter describes CalPERS theory of change as  
9 to the climate catastrophe, which involved shareholder  
10 engagement, advocacy and integration. Obviously, Fossil  
11 Free California has a different theory of change. But Ms.  
12 Frost's letter does not at all address the content of the  
13 coal report we released today, which is focused on coal as  
14 an investment and the problems with CalPERS coal policies.

15 My comment focuses on the fact that CalPERS  
16 stayed invested in three companies under SB 185 that still  
17 make over 50 percent of their revenue from thermal coal.  
18 One of them, Exxaro, plans to expand its operations  
19 six-fold. Yet, CalPERS more than doubled its investments  
20 in Exxaro. Did the Board decide to make these additional  
21 investments in Exxaro in a closed session? If not, did  
22 staff make this decision without Board approval?

23 And given the failure to even begin to  
24 meaningfully transfer to cleaner energy over the past five  
25 years, shouldn't CalPERS just divest from these three

1 companies following the language and tent of SB 185. Ms.  
2 Frost's letter states that the Board will review its SB  
3 185 coal divestments next year. We believe that  
4 beneficiaries, the Legislature, and the public deserve  
5 answers before that.

6 This is especially so, given that many investors  
7 are fleeing coal and the value of this sector is declining  
8 precipitously compared to the rest of the S&P 500.

9 F -- Fossil Free California, their request, that  
10 consistent with SB 185, the Board instruct staff to  
11 stell -- to sell its thermal coal assets consistent with  
12 185 -- SB 185. We also strongly urge the Board to do a  
13 full review of its -- all its coal industry investments  
14 using a process consistent with its fiduciary duty. We  
15 believe such a review will demonstrate the long- and  
16 short-term risks to the fund from thermal -- from the coal  
17 industry.

18 When there's a sell-off in shares, as is  
19 occurring now in much of the coal market, they tend to  
20 decline in value. Risky investments should become someone  
21 else's problem. Why force our retirees to continue to  
22 shoulder this burden. The time to begin a process of  
23 divesting from the total coal value change is now.

24 Thank you.

25 CHAIRPERSON TAYLOR: Thank you. Next.

1           STAKEHOLDER RELATIONS CHIEF FOX: We have Dr.  
2 Gould.

3           DR. GOULD: Hi. Can you hear me?

4           Hello? Can you hear me?

5           CHAIRPERSON TAYLOR: Yes.

6           STAKEHOLDER RELATIONS CHIEF FOX: Yes.

7           DR. GOULD: Okay. Hi. I'm Dr. Robert Gould.  
8 I'm a retired Kaiser pathologist and UCSF professor, and  
9 President of the San Francisco Bay Area Physicians for  
10 Social Responsibility.

11           Representing thousands of California health  
12 professionals, PSR calls on CalPERS to swiftly and  
13 completely divest from fossil fuels and instead invest in  
14 staff's financial holdings in renewable and sustainable  
15 non-nuclear energy portfolios that would better provide a  
16 future for CalPERS retirees by averting the catastrophic  
17 public and environmental health consequences of global  
18 warming that threaten all human civilization.

19           The Fourth National Climate Assessment warned us  
20 about the rapidly unfolding impacts of global warming that  
21 gravely threaten our health, including sea level rise and  
22 flooding, and contamination of water systems, extreme  
23 weather events and wildfires.

24           Today, these climate-fueled catastrophes are  
25 determining the health and future of every Californian.

1 Over 25 million people that live near the sea and coastal  
2 communities are already experiencing major flood events.  
3 Heat waves like those which just scorched our state are  
4 the number one killer among climate-related exposures due  
5 to heat stroke, dehydration, and complications of chronic  
6 illness. These included kidney, cardiovascular disease,  
7 and diabetes.

8           The wildfire air pollution we are currently  
9 enduring is indelibly undermining the health of millions  
10 of Californians in real-time. Recognizing such  
11 climate-caused health harms, the American Medical  
12 Association, American Nurses Association and American  
13 Public Health Association have issued strong policy  
14 statements urging climate action joined by resolutions  
15 from numerous health specialty societies, including the  
16 American Congress of Obstetrics and Gynecology, the  
17 American Academy of Pediatrics, the American College of  
18 Physicians, and many other members of the Medical Society  
19 Consortium on Climate and Health representing 600,000 U.S.  
20 clinical practitioners.

21           We health professionals recognize that divestment  
22 in fossil fuels is cost effective, health protective  
23 preventative medicine. Since 2018, it has been the AMA's  
24 official policy quote, "To protect human health from the  
25 effects of climate change by ending its investments in

1 fossil fuel companies", unquote.

2 PSR urges CalPERS to speedily and completely  
3 divest from fossil fuels for the health and wealth of the  
4 people you serve.

5 Thank you.

6 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,  
7 next we have Ms. Sutton.

8 MS. SUTTON: My name is -- hello. My name is  
9 Patrice Sutton. I'm a Californian, a public health  
10 professional, a collaborating research scientist at UC San  
11 Francisco, and a retiree. I'm also Chair of the  
12 Environmental Health Committee of S.F. Bay Physicians for  
13 Social Responsibility. And on behalf of PSR, I'm asking  
14 CalPERS to stop investing in coal.

15 Your continues investment in fossil fuel is  
16 physically irresponsible and threatens the health of  
17 California's workers, their families, their communities,  
18 and future generations.

19 One need only -- sorry. One need look only --  
20 one need not look any further than out the window to see  
21 how the climate emergency is destroying our life-support  
22 system. In California, heat waves are the new normal and  
23 climate-fueled wildfires have poisoned our air.

24 The science shows what's at stake for just these  
25 two climate-related exposures. Heat and air pollution are



1 critical contributors to adverse pregnancy outcomes,  
2 including preterm birth, low birth weight, stillbirth,  
3 infertility, and miscarriage.

4           Rising temperatures are also a direct threat to  
5 California's essential agricultural and other outdoor  
6 workers. The science demonstrates unequivocally that  
7 burning fossil fuels and its related climate impacts,  
8 harms the health of the people you serve. Moreover,  
9 CalPERS investments in coal is antithetical to a vision  
10 for a healthy and just California, as its health harms are  
11 disproportionately felt by our state's most vulnerable  
12 populations. As such, your relentless investment in coal  
13 exacerbates instead of alleviates racial, environmental,  
14 and economic justice.

15           Divestment is fiscally responsible. Had CalPERS  
16 divested from fossil fuels ten years ago, it would have  
17 generated almost 12 billion more in value for its  
18 retirees. Your investments in fossil fuel has increased  
19 the vulnerability of your members to help in economic harm  
20 rather than secure their retirement, and it's diminished  
21 rather than enhanced the fund.

22           As health professionals, we strongly urge you to  
23 end financial support for all coal projects, so retirees  
24 can reap the financial and health burdens of your  
25 actions -- benefits, sorry, of your actions.

1 Thank you.

2 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,  
3 next we have Ms. Eide.

4 MS. EIDE: Hello. I'm a young Californian  
5 resident who spends every day fighting for my future  
6 because I'm terrified.

7 CalPERS Investment Board, the state is burning.  
8 It is climate change, but I know you know that. You admit  
9 as much. But nonetheless, you don't act as if your house  
10 is on fire. Your engagement with high carbon-emitting  
11 companies is risking our lives now. Your engagement plan  
12 ironically seeks to decarbonize companies that produce  
13 fossil fuel.

14 Does that really work? Would you really want to  
15 live in a collapsing building in an evacuation zone?  
16 That's what you're doing. Coal is a collapsing industry,  
17 while fossil fuels are, as a whole, a dangerous endeavor  
18 with increasing volatility and little future.

19 CalPERS Investment Board, I hope you, like me,  
20 has read an understood the IPCC 1.5 degrees Celsius  
21 report. It states that by 2030, we must be 80 percent  
22 done with coal completely, meaning not just investments  
23 but usage. By 2040, that number has to be a hundred  
24 percent, no coal usage, no coal investment, nothing.

25 We would need to remove our money from coal. But

1 instead, you've increased your investment by \$1.5 billion.  
2 Your money speaks for you. You see a future in coal, even  
3 when climate and finance experts predict that it's in  
4 terminal decline.

5 In addition, you insist that your engagement is  
6 sufficient. It's not. As Greta Thunberg accurately  
7 stated our house is on fire. That doesn't mean long-term  
8 panning. That means immediate action. It means putting  
9 your money where your mouth is now, not in 30 years.

10 CalPERS, I know you care more about your  
11 reputation than the climate. You panic when you hear  
12 about the report defending your reputation -- the report  
13 on coal. You defend your reputation at a moment, but you  
14 don't engage in a discussion.

15 Anne Simpson, you attend numerous sustainability  
16 panels and profess your leadership in climate finance, but  
17 the fundamental argument you make is wrong. We don't have  
18 20 or 30 years to reach a new sustainable model of  
19 operation. We have 12 years at the most.

20 As a result, long discussions are not the  
21 solution. Investing in the technology in companies that  
22 offer solutions, not problems. That's the future. Invest  
23 in uses like me, the future, not the companies that  
24 pollute the water and air causing my generation to fear  
25 for our lungs, health, and lives.

1           Consider this, you're investing for our future or  
2 are you investing for the present? Are you panicking  
3 about Fossil Free California's "CalPERS Continues to  
4 Invest in Coal" report because you care about your asses  
5 or because you worry that we're right, and you've made an  
6 investment error.

7           For anyone listening, please check out an  
8 analysis of CalPERS stupid coal investment decisions at  
9 [bit.ly/calperscoal](http://bit.ly/calperscoal).

10          Thank you.

11          CHAIRPERSON TAYLOR: Next.

12          STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,  
13 the next speaker Ms. Ihara.

14          MS. IHARA: Is it working?

15          STAKEHOLDER RELATIONS CHIEF FOX: Yes.

16          MS. IHARA: Fires are devastating large parts of  
17 California. The higher summer temperatures as a result of  
18 climate change are a major contributing factor to the  
19 severity and frequency of these fires. Scientists argue  
20 that the fossil fuel use is responsible to a large degree  
21 for climate change.

22          CalPERS must totally disinvest in the fossil fuel  
23 industry. It's shocking to hear that CalPERS has recently  
24 actually increased its investment in the coal industry.  
25 Board members, please act responsibly and insist to staff

1 fossil fuel investments be eliminated within a very short  
2 period of time.

3 This is Nancy Ihara, CalPERS pension plan  
4 recipient.

5 CHAIRPERSON TAYLOR: Next.

6 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,  
7 Mr. Kawar.

8 MR. KAWAR: Hi. My name is Ferris Kawar. I've  
9 been a PERS member for nearly ten years. And I'd like to  
10 know how CalPERS plans to make money on our investments in  
11 coal, when the IPCC scientists tell us that up to 78  
12 percent of coal must be completely phased out in just the  
13 next nine or ten years.

14 The demand for coal is shrinking every day for  
15 the following reasons: Hundreds of financial institutions  
16 representing trillions in capital have already begun to  
17 limit their exposure to the coal sector; government  
18 policies restricting investments in fossil fuels are  
19 announced monthly, if not weekly; cleaner fuel sources are  
20 competing head-to-head with no need for subsidies; and  
21 finally, pressure from climate campaigners are not going  
22 away. The voices are getting loud and stronger as we get  
23 closer to the 2030 deadline.

24 I'm confused because this industry is in terminal  
25 decline, but you are investing as if you know something

1 that the world's top scientists don't. Engagement is a  
2 great strategy --

3 CHAIRPERSON TAYLOR: I think we lost him.

4 CHIEF EXECUTIVE OFFICER FROST: Mr. Fox, can you  
5 check on the queue to make sure that the other speakers  
6 are still in and see what happened with this individual.

7 CONFERENCE MODERATOR: Marcie, I think the  
8 call-in studio call came off of the WebEx call. I don't  
9 see it listed here any more, so I'll wait to hear from  
10 Kelly.

11 CHIEF EXECUTIVE OFFICER FROST: Okay.

12 VICE CHAIRPERSON MILLER: They may have had a  
13 time limit on their WebEx that they're in or something.  
14 Who knows.

15 CHAIRPERSON TAYLOR: Do we have anybody else up  
16 to speak? Can we move on? There's a whole list.

17 CHIEF EXECUTIVE OFFICER FROST: I think -- I  
18 think we should wait for just a few moments. I'm checking  
19 with Kelly. He doesn't appear to be --

20 (Off record: 5:48 p.m.)

21 (Thereupon a recess was taken.)

22 (On record: 5:49 p.m.)

23 CHAIRPERSON TAYLOR: We'll take a 15 minute break  
24 and hopefully everything will be back up.

25 CHIEF EXECUTIVE OFFICER FROST: All right.

1 Sounds good.

2 CHAIRPERSON TAYLOR: All right. Let's see, it  
3 is -- I can't read my clock. It's 6:50. Five after 6:00  
4 let's be back.

5 Thanks, everybody.

6 (Off record: 5:50 p.m.)

7 (Thereupon a recess was taken.)

8 (On record: 6:05 p.m.)

9 CHAIRPERSON TAYLOR: Go ahead with our -- the  
10 rest of our commenters.

11 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam  
12 Chair. We'll have four callers. We'll start with Sandy  
13 Emerson then Ferris Kavar, Woody Hastings, and Dana Stokes  
14 in that order.

15 CHAIRPERSON TAYLOR: Okay. Thank you.

16 MR. EMERSON: Hi. I'm Sandy Emerson. And I'm  
17 the Board President of Fossil Free California. I'm  
18 commenting on our report CalPERS continues to invest in  
19 coal.

20 As you know, SB 185, the intent was to remove  
21 investments -- hello?

22 STAKEHOLDER RELATIONS CHIEF FOX: You're on.

23 MS. EMERSON: -- in -- thank you. Because of  
24 coals outsized contribution to climate change, SB 185 was  
25 crafted in 2015 to require CalPERS and CalSTRS to divest

1 from companies making 50 percent or more of their revenue  
2 from the mining of thermal coal. This is a very narrow  
3 definition. A 50 percent share is a very high bar.

4 Many investors including BlackRock and the State  
5 of New York set a much lower threshold of 25 percent or  
6 even ten percent thermal coal to qualify as a coal  
7 company. To really measure CalPERS investment in coal  
8 though, you have to go beyond the definition of SB 185.  
9 Using the broader criteria of the global coal exit list,  
10 an internationally recognized resource, CalPERS holds  
11 billions in coal, coal mining companies, coal-fired  
12 utilities, coal distribution and services, and large  
13 diversified companies with substantial coal operations.

14 The volume of coal reserves represented by  
15 CalPERS investments is confirmed by comparing CalPERS  
16 holdings to the top coal companies listed by the Carbon  
17 Underground 200. Overall, CalPERS increased its  
18 investments in coal and coal-related companies by 1.5  
19 billion dollars between 2018 and 2019 for a total of 6.5  
20 billion throughout the whole coal value chain.

21 By failing to set a strong coal exclusion policy,  
22 CalPERS has already lost billions in absolute value on its  
23 coal investments and the sector continues to decline.

24 Recently, the New York State Common Retirement  
25 Fund divested from 22 thermal coal mining companies that



1 the Controller says are not prepared to thrive or even  
2 survive in the low-carbon economy.

3           Why is CalPERS continuing to invest in this  
4 unprofitable and toxic industry? The IPCC says coal must  
5 be phased out entirely by 2050. And it's commonly held  
6 that at least 80 percent of coal reserves cannot be burned  
7 if we are to keep global warming below two degrees  
8 Celsius.

9           For the sake of our pensions and our future,  
10 CalPERS must divest from coal. By staying invested and  
11 staying engaged, CalPERS continues to enable the coal  
12 industry to continue as a financial health and  
13 environmental risk.

14           Thank you.

15           STAKEHOLDER RELATIONS CHIEF FOX: Mr. Kavar.

16           MR. KAWAR: Thank you. I'm the gentleman whose  
17 comments were cutoff, so thank you for allowing me to  
18 finish here.

19           I was saying engagement is a great strategy,  
20 however not for industries that are one-trick ponies,  
21 whose main product is a carbon-based fuel that needs to be  
22 burden to have value. These companies are making hollow  
23 commitments with no real plans or evidence that they're  
24 going to follow through.

25           They will continue to string us along as long as

1 we let them. Now, I understand that selling these assets  
2 will just mean some other unsavory investor will scoop  
3 them up. I say let them. When the markets hit an  
4 inversion point, anyone holding these investments will  
5 lose their shirts. I mean, just think how quickly things  
6 can change within an election just two months away and the  
7 entire west coast of America choking on smoke from historic  
8 fires caused by a warming world.

9 I hope your strategy is not just to wait until  
10 there's a critical mass of investors that are jumping  
11 ship, so my retirement income, as well as the beach I had  
12 hoped to retire on, just won't be there. Please reach  
13 deep, buck the conventional investment wisdom that has  
14 gotten us into this mess and do what you know to be right.

15 There are billions to be made reinvesting these  
16 fossil fuel dollars in clean energy and other sectors of  
17 the economy that are not damaging our health or our only  
18 home.

19 Thank you very much.

20 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,  
21 Mr. Woody Hastings.

22 MR. HASTINGS: Good evening. Woody Hastings.  
23 Can you hear me?

24 STAKEHOLDER RELATIONS CHIEF FOX: Yes, sir.

25 MR. HASTINGS: Can you hear me?

1 Hello?

2 STAKEHOLDER RELATIONS CHIEF FOX: Yes, sir. Go  
3 ahead.

4 MR. HASTINGS: Okay. Thank you. Good afternoon.  
5 My name is Woody Hastings, Energy Program Manager with the  
6 Climate Center, a statewide 501(c)(3) non-profit  
7 working for rapid greenhouse gas reductions at scale  
8 starting in California. Thank you for the opportunity to  
9 comment.

10 In 2020, with the consequences of the global  
11 climate crisis already bearing down on us, with  
12 unprecedented wildfires and other anomalous  
13 climate-related problems, it's unconscionable that CalPERS  
14 is doing this disservice to its beneficiaries by  
15 continuing to invest in coal.

16 Coal is responsible for 44 percent of global  
17 carbon dioxide emissions making coal the primary  
18 contributor to the climate crisis.

19 CalPERS has 6.5 billion invested in coal and has  
20 been increasing its investments, while the investment is  
21 losing money. Given the state and global, economic and  
22 policy trends, this sector is a very bad bet for a  
23 long-term investor such as CalPERS.

24 Had CalPERS divested from fossil fuels ten years  
25 go, it would have generated an estimated additional 11.9

1 billion in value for its retirees. The returns on fossil  
2 fuel investments are lower than other sectors. And given  
3 the global push to decarbonize our energy and  
4 transportation sectors, there is no reason to believe they  
5 will be more profitable.

6 An argument cannot even be made that these  
7 investments help the workers in the California coal  
8 industry because there is no California coal industry.  
9 California has a policy goal of a fully decarbonized  
10 economy by 2045. The Climate Center finds that this goal,  
11 though laudable, is not aligned with the imperatives of  
12 the latest signs -- science. We need to accelerate the  
13 timeline for phasing out fossil fuels, and CalPERS can and  
14 must be a part of this transition.

15 We urge you to divest from your investments in  
16 coal. Thank you.

17 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair, we  
18 have Dana Stokes.

19 CHAIRPERSON TAYLOR: Go ahead.

20 MS. STOKES: I am a CalPERS pension -- I am a  
21 CalPERS pension recipient and a Fossil Free California  
22 volunteer activist.

23 In September 2019, Governor Gavin Newsom signed a  
24 landmark Executive Order to leverage the state's 700  
25 billion pension investment portfolio and assets to advance

1 California's climate leadership.

2           While the first Climate Risk Assessment Report  
3 brought in Investment Committee and its consultants is  
4 important information to have, I would like to see CalPERS  
5 develop and produce for public viewing a companion  
6 assessment of its investments that are actively supporting  
7 Newsom's Executive Order, that are advancing California's  
8 climate leadership in real ways -- real active ways, such  
9 as re -- such as investments in renewable energy  
10 technologies, retro -- residential and commercial  
11 retrofits, smart metering, and smart monitoring, et  
12 cetera.

13           It's just as important for us, the pension  
14 holders, to be seeing what you are doing to counteract  
15 what you're not doing in terms of divesting from fossil  
16 fuels. So I very much encourage you to produce that  
17 information, and to go even further than that, to really  
18 support Newsom's Executive Order to begin an actual  
19 transition actively of fossil fuel investments to their  
20 counter elements, which would be greenhouse gas  
21 emission-reducing investments.

22           Thank you very much.

23           CHAIRPERSON TAYLOR: I'm sorry.

24           STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,  
25 Mr. Todd Snyder.

1 CHAIRPERSON TAYLOR: Okay. Thank you.

2 MR. SNYDER: Good evening. My name is Todd  
3 Snyder and I'm a concerned individual who lives in San  
4 Francisco. And I'm calling tonight to urge CalPERS to  
5 divest fully from what I call merchants of death.

6 So five years ago, Senate Bill 185 passed the  
7 State Legislature. It required you to divest completely  
8 from coal. It's now five years later, why have you  
9 continuously failed to comply with State law? And as your  
10 fiduciary responsibility to the stakeholders in our  
11 pension system, why would you continuously invest in funds  
12 that are among the worst performers and among the most  
13 toxic externalities in our economy.

14 Who is paying for the sick child with asthma in  
15 the emergency room, who is paying for COVID morbidity that  
16 increases with every emission of greenhouse gas in our  
17 world? Who pays for your investment in coal stocks,  
18 which, by the way, are money losers and some of the worst  
19 performing stocks, I might add?

20 So encourage you to comply with State law,  
21 eliminate any and all holdings in the Public Employees'  
22 Retirement System in any form of coal, and think of your  
23 responsibility to the people who are going to have to live  
24 out the consequences of your decisions. Climate change is  
25 here. It's happening now and you're sinking money into

1 death.

2           You have a responsibility as people whom we  
3 entrust with our money to ensure that it is invested in a  
4 socially responsible way. Do your job, divest from coal  
5 now.

6           STAKEHOLDER RELATIONS CHIEF FOX: Okay. Madam  
7 Chair, that completes all the callers. We do have one  
8 request for a previous caller to speak on someone else's  
9 behalf. I'll let you rule on that.

10           CHAIRPERSON TAYLOR: No.

11           I think we get what the -- the whole thing is and  
12 I appreciate this previous caller speaking on someone's  
13 behalf, but I -- I get what everyone is saying. And I  
14 will say I think we all feel the import of this. We all  
15 are living in this state. We know it's an important  
16 topic.

17           Ms. Simpson will be giving us an update in  
18 November, which will give us all a little more context,  
19 and allow us to ask more questions, and dig a little  
20 deeper into the Prop 185 and whether, you know, we're  
21 complying and the compliance of Prop 185.

22           So with that, I'm going to end the open session  
23 and we will move over into closed session. Give us about  
24 five minutes, I guess, because everybody has to disconnect  
25 and reconnect. I will meet you on the other side.

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Thank you.

Open session is closed. Thank you.

(Thereupon California Public Employees'  
Retirement System, Investment Committee  
meeting open session adjourned at 6:19 p.m.)



## 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, Investment Committee open session meeting was reported in shorthand by me, James F. Peters, a Certified Shorthand Reporter of the State of California, 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 19th day of September, 2020.



JAMES F. PETERS, CSR  
Certified Shorthand Reporter  
License No. 10063