

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

ZOOM PLATFORM

MONDAY, MARCH 15, 2021

9:55 A.M.

JAMES F. PETERS, CSR
CERTIFIED SHORTHAND REPORTER
LICENSE NUMBER 10063

APPEARANCES

COMMITTEE MEMBERS:

Theresa Taylor, Chairperson

David Miller, Vice Chairperson

Margaret Brown

Rob Feckner

Henry Jones

Fiona Ma, represented by Matthew Saha

Lisa Middleton

Stacie Olivares

Eraina Ortega

Jason Perez

Ramon Rubalcava

Shawnda Westly

Betty Yee

STAFF:

Marcie Frost, Chief Executive Officer

Dan Bienvenue, Interim Chief Investment Officer

Matt Jacobs, General Counsel

Christine Gogan, Investment Director

Sterling Gunn, Managing Investment Director

Jean Hsu, Managing Investment Director

Pam Hopper, Committee Secretary

APPEARANCES CONTINUED

STAFF:

Simiso Nzima, Investment Director

Arnie Phillips, Interim Deputy Chief Investment Officer

Christine Reese, Investment Director

Lauren Rosborough Watt, Investment Director

Anne Simpson, Managing Investment Director

ALSO PRESENT:

Dr. Margaret Chin, Physicians for Social Responsibility

Sandy Emerson, Fossil Free California

Steve Foresti, Wilshire Associates Consulting

Jerry Fountain

Dr. Robert Girling, Emeritus and Retired Faculty and Staff Association

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

Monique Hernandez

J.J. Jelincic

Kathy Kerridge

Steve McCourt, Meketa Investment Group

Michael Ring, Service Employees International Union
Capital Stewardship Program

Sara Theiss, Fossil Free California

Sheila Thorne, Fossil Free California

Tom Toth, Wilshire Associates

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PROCEEDINGS

1
2 CHAIRPERSON TAYLOR: The Investment Committee
3 is -- I'm calling to order. And first order of business
4 Ms. Hopper is roll call, please

5 COMMITTEE SECRETARY HOPPER: Theresa Taylor?

6 CHAIRPERSON TAYLOR: Here.

7 COMMITTEE SECRETARY HOPPER: Margaret Brown?

8 COMMITTEE MEMBER BROWN: Good morning.

9 COMMITTEE SECRETARY HOPPER: Rob Feckner?

10 COMMITTEE MEMBER FECKNER: Good morning.

11 COMMITTEE SECRETARY HOPPER: Henry Jones?

12 COMMITTEE MEMBER JONES: Here.

13 COMMITTEE SECRETARY HOPPER: Frank Ruffino for
14 Fiona Ma?

15 ACTING COMMITTEE MEMBER SAHA: Hi, Pam. It's me.
16 It's Matt. Present.

17 COMMITTEE SECRETARY HOPPER: Okay. Matt for
18 Fiona Ma?

19 ACTING COMMITTEE MEMBER SAHA: Thank you.
20 Present.

21 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

22 COMMITTEE MEMBER MIDDLETON: Present.

23 COMMITTEE SECRETARY HOPPER: David Miller?

24 VICE CHAIRPERSON MILLER: Here.

25 COMMITTEE SECRETARY HOPPER: Stacie Olivares?

1 COMMITTEE MEMBER OLIVARES: Here.

2 COMMITTEE SECRETARY HOPPER: Eraina Ortega?

3 COMMITTEE MEMBER ORTEGA: Here.

4 COMMITTEE SECRETARY HOPPER: Jason Perez?

5 COMMITTEE MEMBER PEREZ: Here.

6 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

7 COMMITTEE MEMBER RUBALCAVA: Here.

8 COMMITTEE SECRETARY HOPPER: Shawnda Westly?

9 Theresa, I don't see Shawnda.

10 CHAIRPERSON TAYLOR: I'm not either. David, do
11 you -- can you see Shawnda's -- okay.

12 COMMITTEE MEMBER JONES: Theresa, I think when we
13 were at the regular Board she text -- she chatted and said
14 she had to step away.

15 COMMITTEE MEMBER FECKNER: That's correct.

16 CHAIRPERSON TAYLOR: Okay. All right. Thank
17 you. So she's excused for a sec -- for a moment.

18 COMMITTEE SECRETARY HOPPER: Thank you, Madam
19 Chair. And Betty Yee?

20 COMMITTEE MEMBER YEE: Here.

21 COMMITTEE SECRETARY HOPPER: I believe we have
22 everyone in attendance which Shawnda Westly being excused.

23 CHAIRPERSON TAYLOR: Okay. Great. Then at this
24 time, we will recess into closed session for items one
25 through seven from the closed session agenda. We can --

1 sorry about this guys, because this is a difficult
2 morning. So at this time, Board members will exit this
3 open session and connect to closed session.

4 To the members of the public watching on
5 livestream, the open session Investment Committee meeting
6 will reconvene -- will reconvene following the closed
7 session. Thank you very much. I'll see you guys on the
8 other side.

9 (Off record: 9:57 a.m.)

10 (Thereupon the meeting recessed
11 into closed session.)

12 (Thereupon the meeting reconvened
13 open session.)

14 (On record: 1:01 p.m.)

15 CHAIRPERSON TAYLOR: I will call to order the
16 open session of Investment Committee.

17 COMMITTEE SECRETARY HOPPER: Theresa, I think
18 we're still waiting on Rob as well.

19 CHAIRPERSON TAYLOR: It's unmuted.

20 It's only Rob we're waiting on, Pam?

21 COMMITTEE SECRETARY HOPPER: I believe so. Yeah,
22 I think we have everybody but Rob from what I can tell.

23 CHAIRPERSON TAYLOR: Let me text him real quick.
24 He might be having trouble.

25 COMMITTEE SECRETARY HOPPER: And I don't see him

1 in the room yet as an attendee either.

2 VICE CHAIRPERSON MILLER: He's here.

3 COMMITTEE SECRETARY HOPPER: Oh, there he is.

4 CHAIRPERSON TAYLOR: Sorry about that, Rob.

5 CHIEF EXECUTIVE OFFICER FROST: What about
6 Eraina? Do we see Eraina?

7 COMMITTEE SECRETARY HOPPER: Yes, I thought I saw
8 her.

9 CHAIRPERSON TAYLOR: I see her name. I don't see
10 her. Okay. I think we're okay. So I'm going to go ahead
11 and call the open session back to order. So first, we
12 need Item 3, the approval of the March 15th, 2021
13 Investment Committee timed agenda. I need a motion.

14 COMMITTEE MEMBER BROWN: Move approval.

15 COMMITTEE MEMBER FECKNER: Second.

16 COMMITTEE SECRETARY HOPPER: Madam Chair, do want
17 to do a roll call first?

18 CHAIRPERSON TAYLOR: I think we already did roll
19 call when we opened it originally.

20 COMMITTEE SECRETARY HOPPER: It's Item 2.

21 CHAIRPERSON TAYLOR: Call to order, we did that
22 when we went beforehand, so we're just reconvening now.

23 COMMITTEE SECRETARY HOPPER: Okay.

24 GENERAL COUNSEL JACOBS: That's Matt -- this is
25 Matt Jacobs. That's correct. You don't need to have

1 another roll call.

2 CHAIRPERSON TAYLOR: Okay. So I got a move
3 approval from Margaret who shouted it to me.

4 COMMITTEE MEMBER FECKNER: Second.

5 VICE CHAIRPERSON MILLER: Second.

6 CHAIRPERSON TAYLOR: I got a second. I didn't
7 see a second. I'm sorry.

8 VICE CHAIRPERSON MILLER: Yeah. David.

9 CHAIRPERSON TAYLOR: That was David Miller. So I
10 got a second from David Miller. So I need a roll call on
11 item number 3, the timed agenda.

12 COMMITTEE SECRETARY HOPPER: Okay. Margaret
13 Brown?

14 COMMITTEE MEMBER BROWN: Aye

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: Matthew Saha for
20 Fiona Ma?

21 ACTING COMMITTEE MEMBER SAHA: Aye.

22 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

23 COMMITTEE MEMBER MIDDLETON: Aye.

24 COMMITTEE SECRETARY HOPPER: David Miller?

25 VICE CHAIRPERSON MILLER: Aye.

1 COMMITTEE SECRETARY HOPPER: Stacie Olivares?

2 COMMITTEE MEMBER OLIVARES: Aye.

3 COMMITTEE SECRETARY HOPPER: Eraina Ortega?

4 COMMITTEE MEMBER ORTEGA: Aye.

5 COMMITTEE SECRETARY HOPPER: Jason Perez?

6 COMMITTEE MEMBER PEREZ: Aye.

7 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

8 COMMITTEE MEMBER RUBALCAVA: Aye.

9 COMMITTEE SECRETARY HOPPER: Shawnda Westly?

10 COMMITTEE MEMBER WESTLY: Aye.

11 COMMITTEE SECRETARY HOPPER: Betty Yee?

12 COMMITTEE MEMBER YEE: Aye.

13 COMMITTEE SECRETARY HOPPER: Madam Chair, I have
14 all ayes, motion made by Margaret Brown, seconded by David
15 Miller for Item number 3.

16 CHAIRPERSON TAYLOR: All right. The Agenda Item
17 3 passes.

18 And we move on to agenda item 4, the Executive
19 Report. Dan.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
21 Yeah. Thank you, Madam Chair. And good
22 afternoon, Madam Chair and members of the Investment
23 Committee.

24 Before we take up the business of the day, I'd
25 like to take a moment to reflect on the very, very sad

1 news that we received a couple of weeks ago on the passing
2 of our friend and colleague Kevin Winter. Kevin dedicated
3 over 30 years, an entire career, of tremendous service to
4 CalPERS and to the members and beneficiaries we serve.

5 Kevin started as the very first student intern in
6 the Investment Office in 1988, the first -- frankly, a
7 string of firsts in Kevin's career. From there, Kevin
8 officially joined as a CalPERS team member as an
9 Investment Officer in 1990. And since, served in a
10 variety of positions of ever-increasing responsibility
11 over his long and decorated career.

12 Most recently, he served as the Managing
13 Investment Director for the Research and Strategy Group, a
14 critical piece of our total fund focus, one-team one-fund
15 approach, and he was the very first Managing Investment
16 Director of the Research and Strategy team. Prior to
17 that, and yet another first, Kevin was the very first
18 Managing Investment Director of the Opportunistic
19 Strategies Group.

20 In his career, leading up to those two roles,
21 Kevin developed his career in the fixed income asset
22 class, highlighted by managing the credit team, and tens
23 of billions of dollars of CalPERS fixed Income assets and
24 the investment grade corporate bond markets.

25 Throughout Kevin's time with CalPERS, his

1 leadership and personal relationships to myself and to
2 others have been immensely valuable. So I really just
3 wanted to take a moment and acknowledge Kevin's many, many
4 years of commitment, energy, effort and service to our
5 members that helped to make CalPERS in general, and the
6 Investment Office specifically, so much better during his
7 tenure.

8 Kevin was a friend, a manager, a mentor, and a
9 colleague. He'll be greatly missed by many, and I, for
10 one, am just thankful to have known him and appreciative
11 off all he was able to do for CalPERS. And I'm
12 appreciative of his wife and his family for allowing us to
13 share time with Kevin.

14 With that, I'd like to invite two of his closest
15 colleagues, Jean Hsu and Arnie Phillips to share their
16 remembrances of Kevin. Jean and Arnie worked very closely
17 with Kevin for almost 20 and almost 30 years respectively,
18 so I'll ask them to share a little bit.

19 And with that, Jean, I'll turn it over to you to
20 share some thoughts.

21 MANAGING INVESTMENT DIRECTOR HSU: Good morning,
22 Madam Chair and members of the Investment Committee. I am
23 very honored to share with you some of my observations and
24 memories of Kevin Winter. I have known Kevin for 20
25 years. I reported directly to him for ten years and I sit

1 right next to him for the past three to four years as we
2 built up the Opportunistic Strategies Group.

3 On the professional side, I would say Kevin was
4 focused on total fund. He's a risk taker. And he
5 embraced diversity. Kevin was an early adopter for total
6 fund concept. Now, at the time, when Investment Office
7 was still very siloed, he had started to view investments
8 from a total fund perspective. He was a strong supporter
9 for us to use our fixed income skill sets to enhance
10 global equities return.

11 And Kevin was the head of the credit for almost
12 30 years, so risk taking is deeply engrained in his mind.
13 Kevin was willing to take risks, both on deploying money
14 as well as deploying manpower, or in the case of his
15 recent team, the Opportunistic Strategies, womanpower.

16 Kevin was an advocate for diversity and
17 inclusion. The investment industry had been a male
18 dominated field for decades. Kevin was one of the few who
19 truly appreciate and respect female colleagues for their
20 professional knowledge, and not just in gender and
21 ethnicity, he also enjoyed the diversity of thought. He
22 wasn't intimidated by different opinion coming from his
23 subordinates. He was so open-minded, which gave me an
24 assurance that I could speak my mind without being judged.
25 He was willing to look beyond my broken English and see

1 the logic in the investment ideas I had in my brains. I
2 am very, very grateful that I had a boss like him.

3 On the personal side, Kevin was kind, caring, and
4 very generous. He loved good food and enjoyed chatting
5 with friends. He also liked a lot of -- and he also had a
6 lot of interests outside of work. For example, Kevin
7 likes hunting. He went duck hunting several times a year.
8 He had a particular talent for remaining stoic and calm
9 during the storm, no matter it is out there in the hunting
10 field or here at work.

11 When encountering frustration in the office, he
12 often told me to dust it off like a duck dusting off water
13 from its feather. This specific sentence had helped me
14 greatly in various difficult moments at work.

15 Kevin was also a gourmet chef. He had attended
16 many cooking classes and read tons of cooking books. I
17 knew he took a day off to San Francisco. I asked him,
18 hey, why do you need to take a day off to San Francisco?
19 He went there to pick up a pasta machine imported from
20 Italy.

21 He was always interested in what I brought to
22 work in my lunch box. He always asked me what are the
23 ingredients and then how do I cook it? That gives me
24 tremendous amount of pressure that I have to make sure
25 that my lunch box is presentable.

1 I heard him, he made dishes from Moroccan chicken
2 to Thai spicy stir fry, to Brazilian roasted whole pig.
3 And I believe that he bought another oven, which is
4 dedicated to this whole pig.

5 He likes fishing too. And he would smoke the
6 salmon he caught and bring cream cheese and cracker to
7 feed the whole trading desk. He built a Tuscan style
8 brick pizza oven in his backyard and invited the whole
9 credit team over when he was the head of the credit.

10 So 20 people enjoyed the feast of his
11 made-from-scratch super thin crust pizza with a raw egg in
12 the middle. Together, with an incredible Caesar salad
13 with anchovy and garlic his wife Deanna made for us.

14 On the surface, Kevin seems to be like tough,
15 quiet, and he had very few words, but he was always very
16 sensitive and caring inside. Whenever Roselle -- Roselle
17 is one of our colleagues that also know Kevin for like a
18 good maybe 18 years. Roselle would come to my cubicle for
19 a friendly personal chat, Kevin would stand up and lean
20 over his cubicle wall to be apart of our sister chat. And
21 to be honest, Roselle and I don't mind it, because we
22 really think that he is a part of us.

23 There are lots of very fond memories. It is hard
24 to believe that the moments like this will not happen
25 again. Kevin had been my peer, my manager, my mentor, and

1 my brainstorming partner whenever I had investment
2 puzzles.

3 It is such a great loss for myself and for
4 CalPERS, as a whole. Goodbye my friend. I will miss you.
5 Now, I'll turn it over to Arnie.

6 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:
7 Thank you, Jean. Very well done. I think my
8 sentiments will echo a lot of yours.

9 So good afternoon, everyone. When I started here
10 28 years ago, Kevin was already here. When you walk in
11 our trade room today, you see a big open air room full of
12 specialists that are really good at their crafts.

13 Twenty-eight years ago, we had a really small
14 trade room that was much more like a dungeon. Kevin and I
15 were two of the six folks in that dungeon, four from
16 global fixed income and two from global equity.

17 I was personally very fortunate like Jean to get
18 to learn from two intense and very smart investors, Curtis
19 Ishii and Kevin Winter. Kevin and I were the last two
20 global fixed income staff remembers hat really got to
21 cover all the fixed income products. Over time, we've
22 migrated to a specialist model as the markets have gotten
23 more complex.

24 One thing I learned working with Kevin all those
25 years is that Kevin was able to truly take a long-term

1 investment horizon. He had the ability, but he also had
2 the mindset to be a long-term investor, something that is
3 much easier said than done. A lot of folks intend to be
4 long-term investors, but when the markets get volatile,
5 their conviction wanes.

6 Kevin was willing to take a position that was
7 different than the market convention and he had the
8 stomach to take the performance volatility that comes with
9 being early to a trade sometimes. Maintaining conviction
10 is not easy when the trade isn't working. Kevin was one
11 of the best in riding out that volatility.

12 Kevin was a self-professed introvert, but a lot
13 of us have heard many stories in the past few weeks of
14 interactions Kevin had with folks, much more on a
15 one-on-one basis. So it turns out he wasn't quite as
16 introverted as some thought. He just preferred
17 conversations in smaller settings.

18 For me, it says a few things. One, we are all
19 unique. We all tackle challenges and situations
20 differently. But in the end, we need to embrace the
21 diversity that brings us to the table and try to be our
22 collective best. And unfortunately, sometimes the best
23 laid plans can change quickly.

24 The video you will see shortly shows a side of
25 Kevin that many of us did not see -- or I saw, but many

1 people did not see. He was quiet and often serious at
2 work as Jean portrayed. But as you will see, that was
3 very much balanced with a personal life full of smiles.

4 Clearly, Kevin's hobbies, which included hunting,
5 fishing, woodworking, cooking and more recently being a
6 grandparent, made him very happy. I have fond and funny
7 memories of after-work dinners and Kings games. And in
8 Kevin's style, I will keep those stories introverted and
9 to myself.

10 Nothing any of us can say will make it any easier
11 for Kevin's wife Deanna, their kids, and their grandkids,
12 but I do want them to know that Kevin's friends and
13 colleagues at CalPERS are thinking of them.

14 Thank you. Dan, back to you.

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

16 Thank you, Jean. Thank you, Arnie.

17 I also want to thank our Public Affairs team who
18 put together a short video tribute to him, as Arnie
19 mentioned, and that's what you'll see right now. It --
20 this tribute really only scratches the surface of Kevin
21 and who he was, but I think it's a really nice way to
22 honor him and his -- his just tremendous service to
23 CalPERS.

24 Can we please roll that video.

25 (Thereupon a video was played.)

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And
2 I definitely want to thank Brad Pacheco and the team in
3 Public Affairs who worked on putting that together. I
4 also want to thank all the contributors and specifically
5 want to thank his wife Deanna for sharing so many photos
6 with us that we could include there.

7 We're also working on a token of recognition and
8 appreciation of Kevin's more than three decades of service
9 to CalPERS and to our members, and we'll present that to
10 Kevin's family in a safe way, as soon as we can.

11 Kevin will be greatly missed in so many ways. We
12 must move forward and persevere. We know that's what
13 Kevin would want us to do and that is what we'll do. But
14 thank you for allowing us to take a few minutes to honor
15 Kevin and his many years of dedicated service to this
16 great organization and to our mission.

17 CHAIRPERSON TAYLOR: Dan, thank you very much.
18 Jean, Arnie, thank you for sharing your memories.

19 Thank you.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

21 Thank you, Madam Chair. Thank you for allowing
22 us to do that. Like I said, Kevin will just be
23 tremendously missed.

24 Now, as I say, we do have to move forward and
25 persevere. And on that topic, I think we can move on to

1 today's business. Normally, I would discuss our
2 portfolio, and our performance, and our positioning as
3 part of this report, but we have our semiannual trust
4 level review scheduled for this meeting, so we'll be able
5 to take that topic up in detail in agenda items 8B and 8C.

6 We also have a very full agenda today, so I'll
7 keep my comments very brief and just give an overview of
8 what's before us today.

9 We lead off with the consent items. We have a
10 number of the routine ones, including the minutes, the
11 reports on performance, risk, and investment controls, and
12 then our annual update on the rebalancing of the
13 Terminated Agency Pool, or TAP.

14 Then we'll move to the first action item for the
15 Committee's consideration, with Sterling Gunn and
16 Christine Reese presenting the recommended asset
17 allocation for the Long-Term Care Program.

18 From there, we move on to information items that
19 are on our agenda. We'll start by continuing with
20 Sterling Gunn and Christine Reese as they cover another
21 item on the ALM work, that is such a critical body of work
22 for us here in 2021. Today's item focuses on the various
23 risks that we're looking to balance and manage, as we
24 navigate this year's ALM process.

25 Please recall that one of our Investment Beliefs

1 is the strategic asset allocation is the dominant
2 determinant of portfolio risk and return, which again
3 speaks to the criticality of this body of work.

4 Our second information item, your general pension
5 consultant, Wilshire, and your private asset class
6 consultant, Meketa, will provide their semiannual
7 independent trust level reviews, including coverage of
8 market conditions, and portfolio performance.

9 From there, Arnie Phillips, Lauren Rosborough
10 Watt, and I will present you with the Investment Office's
11 internally developed trust level review, where we'll cover
12 portfolio risk and performance, business accomplishments
13 and objectives, and economic conditions.

14 Next, we'll be joined by Simiso Nzima and Anne
15 Simpson for an update on our proxy voting and corporate
16 engagement activities. As long-term investors focused on
17 the sustainability and long-term performance of the fund,
18 we know that this body of work is a key part of managing
19 the portfolio in a sustainable way to pay ben -- to pay
20 benefits for generations to come.

21 And then finally, we -- we'll take up our second
22 and last scheduled action item of the day, the five-year
23 review of CalPERS active divestments. Some of you might
24 recall that this periodic five-year review was added to
25 the total fund Investment Policy in 2017, as part of

1 several enhancements to the divestment section of the
2 policy.

3 These additions were made to ensure that prior
4 divestment decisions were adequately monitored and remain
5 supportive of the prudent stewardship of the system's
6 assets, consistent with the Committee's fiduciary
7 obligations. This review was originally calendared for
8 November of this year, but was moved up to March at the
9 Committee's direction.

10 And that concludes my opening remarks Madam
11 Chair. And with that, I'll turn it back to you to take
12 any questions or to take us through the agenda.

13 CHAIRPERSON TAYLOR: Thank you, Dan. I don't see
14 any questions, so I'm going to move through the agenda.

15 Our next agenda item is 5, and those are action
16 consent items. And I need the pleasure of the Board.

17 Anybody move approval?

18 VICE CHAIRPERSON MILLER: Move approval.

19 COMMITTEE MEMBER JONES: Move approval.

20 COMMITTEE MEMBER FECKNER: Second

21 CHAIRPERSON TAYLOR: So I got a move approval
22 from Mr. Miller and I take it a second from Mr. Jones.

23 So Ms. Hopper, can you go ahead and call the roll
24 on that one.

25 COMMITTEE SECRETARY HOPPER: Margaret Brown?

1 COMMITTEE MEMBER BROWN: Aye.

2 COMMITTEE SECRETARY HOPPER: Rob Feckner?

3 COMMITTEE MEMBER FECKNER: Aye.

4 COMMITTEE SECRETARY HOPPER: Henry Jones?

5 COMMITTEE MEMBER JONES: Aye.

6 COMMITTEE SECRETARY HOPPER: Matthew Saha for
7 Fiona Ma?

8 ACTING COMMITTEE MEMBER SAHA: Aye.

9 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

10 COMMITTEE MEMBER MIDDLETON: Aye.

11 COMMITTEE SECRETARY HOPPER: David Miller?

12 VICE CHAIRPERSON MILLER: Aye.

13 COMMITTEE SECRETARY HOPPER: Stacie Olivares?

14 COMMITTEE MEMBER OLIVARES: Aye.

15 COMMITTEE SECRETARY HOPPER: Eraina Ortega?

16 COMMITTEE MEMBER ORTEGA: 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: Shawnda Westly?

22 COMMITTEE MEMBER WESTLY: Aye.

23 COMMITTEE SECRETARY HOPPER: Betty Yee?

24 COMMITTEE MEMBER YEE: Aye.

25 COMMITTEE SECRETARY HOPPER: Madam Chair, I have

1 all ayes with David Miller making the motion, Henry Jones
2 seconding it.

3 CHAIRPERSON TAYLOR: Okay. Motion carries.
4 Thank you very much.

5 We're moving on to Item 6, which was information
6 consent items. I received no notification to pull any of
7 those items.

8 So we'll move on to Item 7, our first action
9 item, on Total Fund, Long-Term Care, A.

10 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

11 Thank you, Madam Chair. I see we've got Sterling
12 Gunn and Christine Reese with us. Can we please also
13 bring forward Don Moulds, Scott Terando, and Tom Toth from
14 Wilshire in the event questions come up, so that they can
15 be available to answer.

16 Recall that this is the action item on the
17 adoption of the strategic asset allocation to support the
18 discount rate that was adopted at November's meeting. So
19 with that, I'll turn it over to Christine Reese to take
20 the lead and walk us through the item.

21 Christine, over to you.

22 (Thereupon an overhead presentation.)

23 INVESTMENT DIRECTOR REESE: Thank you, Dan. And
24 good afternoon, Madam Chair, and members of the Committee.
25 Kevin is a very tough act to follow.

1 But in the spirit of perseverance, this agenda
2 item focuses on the long-term care asset allocation review
3 and recommendation. I will be presenting the findings.
4 Wilshire will then speak to their opinion letter. And we
5 also have with us, as Dan just mentioned, Scott Terando,
6 our Chief Actuary, and Don Moulds, our Chief Health
7 Director for any questions that the Committee may have for
8 them.

9 Just a moment. Let me get myself situated a
10 little bit here. Okay. Thank you.

11 So before I begin the presentation, I would like
12 to acknowledge that this body of work has been a
13 collaborative effort with expertise and perspective
14 provided from team members in many areas, including the
15 Investment, Actuarial, Health, Legal, and Operational
16 Services Support teams.

17 On the next page, we've got the executive
18 summary.

19 --o0o--

20 INVESTMENT DIRECTOR REESE: And so in this
21 review, I will step through some context and background
22 regarding the current portfolio and its limitations in the
23 current environment. I will provide some information
24 around the review process, and then present the two
25 candidate portfolios, and our recommendation, which is

1 supportive of the four and three-quarters percent discount
2 rate, and nine and a half percent expected volatility
3 threshold that the Committee set at the November 2020
4 meeting.

5 I would like to highlight that this presentation
6 is a summary of the conclusions from a very significant
7 amount of supporting underlying analysis and evaluation.

8 On slide three --

9 --o0o--

10 INVESTMENT DIRECTOR REESE: -- we look at the
11 expected risk, and return, and allocation for the current
12 portfolio. And this is a slide that we showed in the
13 November Committee meeting. And what this illustrates is
14 the drop of almost one and a half percent in expected
15 return and an approximate one percent reduction in
16 expected risk, since the 2018 asset allocation study.

17 The four percent expected return falls
18 significantly short of supporting that four and
19 three-quarters percent discount rate that was adopted.
20 These lower expected returns versus 2018 are largely due
21 to fixed income allocations to treasuries and mortgages,
22 which we've discussed have very low yields, due to the
23 historically low interest rate environment we find
24 ourselves in.

25 On slide four --

1 --o0o--

2 INVESTMENT DIRECTOR REESE: -- I'll review a
3 little bit of the portfolio evaluation process. And this
4 process was undertaken through a request for proposal and
5 was a rigorous multi-phased evaluation that considered
6 many elements, such as long-term care expertise, asset
7 liability management framework, the manager and team
8 capabilities, investment performance, risk, complexity,
9 cost, and comparative advantages.

10 The graphic on the left shows the general steps
11 of the process and the graphic on the right takes the
12 analyze proposals step on the left and provides a deeper
13 dive into each of the component steps for that specific
14 process.

15 To find the best candidate portfolios, we began
16 with 14 unique portfolios and at each step in the process
17 narrowed down the field to arrive at the two that we're
18 presenting today.

19 On slide five --

20 --o0o--

21 INVESTMENT DIRECTOR REESE: -- we take a look at
22 the strategic asset allocation of the current and two
23 candidate portfolios. A few things to note and consider
24 are that in comparison to the current portfolio, portfolio
25 one has a 30 percent equity allocation, and portfolio two

1 has a 45 percent equity allocation, so double and triple
2 the current allocation respectively.

3 For fixed income, portfolio one and two each have
4 lower fixed income allocations by six percent and ten
5 percent respectively, and they both employ active
6 management in the fixed income asset class.

7 Portfolio one also has allocations to REITs and
8 commodities, whereas portfolio two does not. So it's a
9 little bit less diversified. And then both portfolio one
10 and two are constructed from current asset classes. And
11 we're happy to report no private assets or leverage has
12 been used in the construction of these portfolios.

13 On slide six --

14 --o0o--

15 INVESTMENT DIRECTOR REESE: -- we move into the
16 benchmark composition for the current and candidate
17 portfolios. This takes a look at each of the portfolio's
18 subasset classes, which will be used to build the
19 portfolio and the custom benchmark. These weights are
20 approximate and will be confirmed during the contracting
21 phase with the manager, along with allocation ranges and
22 rebalancing frequency.

23 So we plan to bring all of this information back,
24 which will be included in the Investment Policy. We will
25 bring this back to the Committee for approval in June.

1 On slide seven --

2 --o0o--

3 INVESTMENT DIRECTOR REESE: -- we look at the
4 expected risk and return for the current and candidate
5 portfolios. So again, this is the same graphic that we
6 showed at the beginning presentation. And now we've added
7 the candidate portfolios one and two. To establish a
8 baseline for portfolio comparison in the this review,
9 we've used a single set of capital market assumptions to
10 measure the expected risk, expected return, and
11 correlation for the current 2020 LTC portfolio and the two
12 candidate portfolios.

13 And so what we see is while both candidate
14 portfolios support the expected return and expected
15 volatility objectives, portfolio one has the more optimal
16 expected return and expected risk profile. This is
17 partially due to candidate one -- candidate portfolio one
18 having a lower allocation to equities, 30 percent versus
19 45 percent, and a higher allocation to higher yielding
20 fixed income subasset classes versus U.S. treasuries and
21 mortgages.

22 On slide eight --

23 --o0o--

24 INVESTMENT DIRECTOR REESE: -- if we look at
25 de -- some of the detailed attributes in a different

1 format, so in a table versus the graph, we can see that
2 candidate portfolio one expected return is 4.97 and risk
3 of, sorry, 8.29. And candidate portfolio two expected
4 risk[SIC] is four and three-quarters with an expected risk
5 of 9.45. We also add to this table the cash yield, which
6 is notably higher for portfolio one, again due to
7 allocations to higher yielding fixed income subasset
8 classes versus U.S. treasuries and mortgages.

9 On slide nine --

10 --o0o--

11 INVESTMENT DIRECTOR REESE: -- we took a look at
12 the portfolios and simulated how they would have performed
13 over five different time periods. Each candidate
14 portfolio consistently outperformed their respective
15 benchmarks in this historical simulation. And this can
16 primarily be attributed to the outperformance in the
17 active managed fixed income portfolios. We know that
18 while both portfolios exceeded their respective
19 benchmarks, Portfolio one's performance -- it outperformed
20 portfolio two across nearly all of the time periods
21 simulated, with the exception of the seven-year time
22 period.

23 And moving on to the next slide --

24 --o0o--

25 INVESTMENT DIRECTOR REESE: -- we have our

1 recommendation, which is to adopt the strategic asset
2 allocation of candidate portfolio one, with the expected
3 return of 4.97 and the expected volatility of 8.29. It
4 has the most optimal risk-adjusted return profile of the
5 two portfolios. And this, along with other elements
6 evaluated in the review, support the recommendation to
7 approve the strategic asset allocation of candidate
8 portfolio one for the Long-Term Care Fund.

9 On the next slide --

10 ---o0o--

11 INVESTMENT DIRECTOR REESE: -- we run through our
12 next steps. And so if the recommendation is approved, we
13 would formally announce the selection of the manager. We
14 would conduct contracting and due diligence with the
15 manager. And as I mentioned, we would come back in June
16 with the Investment Policy update.

17 And while our timeline is somewhat dependent upon
18 contracting, we are aiming to complete the planning work
19 by the fiscal year-end, so that implementation can begin
20 in July of this year.

21 And at this time, I will turn it over to Tom Toth
22 at Wilshire for his comments.

23 MR. TOTH: Good afternoon. Thanks, Christine.
24 Tom Toth with Wilshire.

25 I just wanted to make a couple of comments

1 related to our opinion letter, which is included in your
2 Board packet. We reviewed the long-term care portfolios
3 using the lens of our capital market assumptions, which
4 considers the underlying economic and market conditions,
5 as well as discounting how those conditions might evolve
6 in the future.

7 And while we readily admit that forecasting
8 returns and risk over extended period of times is
9 inherently filled with estimation error. We think our
10 assumptions provide a helpful lens in evaluating relative
11 risk and return impacts for asset allocation changes.

12 So our independent modeling confirms that
13 portfolio one's asset allocation has the potential to
14 deliver enhanced long-term returns, but we want to be very
15 pointed that it does come at a higher level of expected
16 risk than the current portfolio.

17 As staff pointed out, the increased risk comes
18 from both higher exposure to equities, as well as a tilt
19 within fixed income towards credit risk. That's what's
20 driving that yield higher.

21 That said, the additional diversification across
22 the portfolio -- for portfolio one, ultimately translates
23 into higher risk-adjusted expected returns. So while you
24 are taking on more volatility, you are being compensated
25 for that volatility over time.

1 One last point I wanted to make for the
2 Committee. The returns that we've discussed that are in
3 the presentation, as well as in our opinion letter, those
4 are market returns. As the staffing information
5 illustrates, the partners have demonstrated the ability to
6 add incremental returns over and above those market rates.
7 And I think that's an important component to consider as
8 you look to move forward with the selected partner.

9 With that I'll stop and see if there are any
10 questions from the Committee.

11 CHAIRPERSON TAYLOR: Thank you, Mr. Toth.

12 I am not seeing any questions at this moment from
13 the Committee.

14 MR. TOTH: Very good.

15 CHAIRPERSON TAYLOR: I'm -- I think then I will
16 ask to move approval of the action item, if we have no
17 questions. And the action item is the asset allocation
18 and selecting the candidate portfolio number one.

19 Do I have a motion on that?

20 COMMITTEE MEMBER FECKNER: Move approval.

21 VICE CHAIRPERSON MILLER: Second.

22 CHAIRPERSON TAYLOR: Moved by Mr. Feckner and
23 seconded by Mr. Miller.

24 And, Ms. Hopper, can you take the vote?

25 COMMITTEE SECRETARY HOPPER: Margaret Brown?

1 COMMITTEE MEMBER BROWN: No.
2 COMMITTEE SECRETARY HOPPER: Rob Feckner?
3 COMMITTEE MEMBER FECKNER: Aye.
4 COMMITTEE SECRETARY HOPPER: Henry Jones?
5 COMMITTEE MEMBER JONES: Aye.
6 COMMITTEE SECRETARY HOPPER: Matthew Saha for
7 Fiona Ma?
8 ACTING COMMITTEE MEMBER SAHA: Aye.
9 COMMITTEE SECRETARY HOPPER: Lisa Middleton?
10 COMMITTEE MEMBER MIDDLETON: Aye.
11 COMMITTEE SECRETARY HOPPER: David Miller?
12 VICE CHAIRPERSON MILLER: Aye.
13 COMMITTEE SECRETARY HOPPER: Stacie Olivares?
14 COMMITTEE MEMBER OLIVARES: Aye.
15 COMMITTEE SECRETARY HOPPER: Eraina Ortega?
16 COMMITTEE MEMBER ORTEGA: 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: Shawnda Westly?
22 COMMITTEE MEMBER WESTLY: Aye.
23 COMMITTEE SECRETARY HOPPER: Betty Yee?
24 COMMITTEE MEMBER YEE: Aye.
25 COMMITTEE SECRETARY HOPPER: Madam Chair, I have

1 11 ayes, one no by Margaret Brown, with the motion being
2 made by Rob Feckner, seconded by David Miller for Item 7A,
3 Long-Term Care Asset Allocation.

4 CHAIRPERSON TAYLOR: Thank you very much, Ms.
5 Hopper. The item passes.

6 Let's move on to Item number 8A, asset liability
7 management risk concepts and examples.

8 Mr. Bienvenue.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

10 Yeah. Thank you, Madam Chair. Let's see, I
11 think we can move Don Moulds, Scott Terando, and Tom Toth
12 back to the attendee area. And we just need to keep
13 Sterling Gunn and Christine with us -- Christine Reese
14 with us as they did go back to back on this one.

15 So as you say, we're on Item 8A, where we'll go
16 through the various risks that we're looking to balance
17 and address as part of this year's ALM process. This item
18 also follows other recent presentations to the Committee
19 on this topic. And as I mentioned in my opening comments,
20 this cyclical ALM work is among the most critical bodies
21 of work before us here in 2021. Today, we'll dig into the
22 fund sensitivities to key assumptions, and how they drive
23 the risks that we're trying to manage through this --
24 through this process, as well as the inherent uncertainty
25 of those assumptions.

1 So with that, I'll turn it back over to Sterling
2 to take the lead on this one, taking us through today's
3 item.

4 Sterling, over to you.

5 (Thereupon a slide presentation.)

6 MANAGING INVESTMENT DIRECTOR GUNN: Great. Thank
7 you, Dan. Chair and Board members, good afternoon.
8 Sterling Gunn, CalPERS team member. I just wanted to make
9 a note that the asset liability management, it's an
10 ongoing process that relies on CalPERS device -- diverse
11 range of skills and experience, including those of the
12 Actuarial and Investment offices.

13 And the ALM reviews the policy portfolio of both
14 the PERF, but also each of the affiliate funds. Now, at
15 our first ALM Board presentation in February, we provided
16 an overview of the ALM process, including our objectives,
17 purpose, and the framework we were going to use.

18 This session is the second of six ALM sessions
19 this year that we have planned. I will be discussing
20 examples illustrating the relationships between the
21 discount rate, portfolio returns, contributions, and the
22 funding ratio. And these relationships are the foundation
23 for understanding the multi-faceted nature of risk at
24 CalPERS.

25 And our objectives are related to the

1 will discuss in June, expert opinions on long-term
2 expected returns vary and can vary significantly. So when
3 we set the discount rate, we don't know for sure if it
4 actually matches expected returns or not. And as we will
5 see example three, this uncertainty crates some risk.

6 In the following examples, the scenarios specify
7 the discount rate and the quote true value of the expected
8 returns.

9 So let's look at the first example, which sort of
10 represents the status quo. This example is represented by
11 the blue lines. In this example, the discount rate is set
12 to seven percent and expected returns are also seven
13 percent.

14 Thousand, looking at the tope panel, we can see
15 the contributions, represented by the blue line, rise
16 slowly for another ten years, and then decline
17 significantly. Looking at the blue line in the bottom
18 panel, we can see that the funding ratio rises steadily
19 and the plan is fully funded in roughly 20 years.

20 Let's look at the second example. The second
21 example is the orange lines. Here, we set the discount
22 rate to six percent. And again, it so happens the
23 discount rate matches expected returns of six percent. We
24 see contributions rise sharply, then level out for ten
25 years. Thereafter, the contributions decline. And after

1 20 years or so, the contributions are basically the same
2 level as in scenario one.

3 In the bottom panel, looking at the orange line,
4 we see the funding ratio drops in the first year, then
5 rises steadily to a hundred percent over the next 20
6 years. So just as in example one, the plan is fully
7 funded after 20 years.

8 In example three, the discount rate is seven
9 percent. In this example, though, we thought expected
10 returns might be seven, they will actually be six. So
11 there's a bit of a mismatch between what we think the
12 discount rate is and should be, and what's actually
13 happening in the world. And this has model's uncertainty.

14 So let's look at the green line in the top panel.
15 We see contributions slowly increase, a bit faster than in
16 scenario one, but not the sharp rise of scenario two.
17 This higher level of contributions is to the -- due to the
18 amortization of losses, since the expected returns are
19 lower than the discount rate. And just like in scenario
20 one, after ten years, contributions begin to decline.
21 However, the decline is somewhat short lived and
22 contributions begin to increase at slow rate. So in this
23 scenario, contributions never reach the lower levels found
24 in scenarios one or two. The long-run contributions are
25 higher to make up for the lower returns.

1 Now, let's look at the green line in the lower
2 panel. Here we see the funding ratio slowly increases and
3 then levels out around 90 percent. The plan is certainly
4 better off, but it's not quite fully funded. And the
5 reason for that is really we didn't save enough. So this
6 example kind of illustrates the risk of being overly
7 optimistic when estimating the discount rate. In the long
8 run, we end up with higher contributions and a lower
9 funding ratio.

10 Okay. Example four, like example one, sets the
11 discount rate to percent. And like example one, expected
12 long-term returns are seven percent as well. In this
13 example, however, returns are five percent in the first
14 ten years and eight percent in the last 20. Again, that
15 averages out -- excuse me -- to seven.

16 So what happens here, where we have low returns
17 at the beginning but higher returns later on? Here, we
18 look to the gray lines. Let's start in the top panel.
19 Here, we see contributions slowly increase and peak after
20 ten years. This is a result of the amortization of the
21 losses as the five percent returns are lower than the
22 seven percent discount rate.

23 At that point, however, contributions begin to
24 decline and reach levels lower than those of example two
25 and three. And this in part, because now returns of nine

1 percent are higher than the discount rate of seven
2 percent.

3 So after about 25 years though, we still end up
4 in basically the same place as we did in scenarios one or
5 two. Let's look in the bottom panel, again, the gray
6 line. Here, the funding ratio stays flat for almost ten
7 years, because the returns are low. They're five percent
8 and below the discount rate. Then as the returns rise to
9 eight percent, the funding ratio rises quickly over ten
10 years to be more than fully funded.

11 So just stepping back for a second and
12 summarizing these examples. Three of these examples
13 illustrate that so long as the discount rate is comparable
14 to the long-term expected returns, long-term contributions
15 will decline as the fund reaches fully funded status.

16 Example ill -- three illustrates, the long-term
17 risks of increasing contributions and not reaching a fully
18 funded status of being optimistic when setting the
19 discount rate.

20 Now, all four examples assume we make no changes
21 once we start the process. In practice, CalPERS would be
22 reviewing these assumptions at least once every four
23 years. So there's always an opportunity to change our
24 minds and reconsider.

25 Can we go to slide five, please.

1 --o0o--

2 MANAGING INVESTMENT DIRECTOR GUNN: This chart is
3 a histogram of employer contributions as a percentage of
4 payroll. And it illustrates the wide range of
5 circumstances of different employers. Information,
6 however, is not sufficient to help us understand or
7 appreciate the financial capacity of employers to bear
8 increases or decreases in contributions.

9 That would require a lot more than simply knowing
10 contributions as a percentage of payroll. So this slide
11 simply illustrates though different employers are in
12 different circumstances.

13 Let's move on to a more well known source of
14 risk, the markets. Slide six, please.

15 --o0o--

16 MANAGING INVESTMENT DIRECTOR GUNN: Here we --
17 again, we have two panels. The top panel shows rolling
18 ten year total returns for both the S&P, which is in blue,
19 and the ten-year bond which is in orange. There are some
20 notable features.

21 The ten year rolling S&P return is varied
22 significantly even in recent history. The red circles
23 shows us three periods when the ten year rolling equity
24 return has been negative, most recently after the
25 financial crisis of 2008.

1 The gray regions are periods when the ten year
2 rolling bond return was actually greater than the ten year
3 rolling equity return.

4 Excuse me.

5 This means that on a ten year rolling basis,
6 these are periods when the equity risk premium was
7 negative.

8 Now, the lower panel shows us the accumulated
9 returns for equities, which is the blue line and a
10 portfolio made up of 60 percent equities and 40 percent
11 bonds, which is the orange line. Not surprisingly, over
12 the long term, a hundred percent equity portfolio does
13 outperform the 60/40 portfolio.

14 It is, however, a very bumpy road. The S&P has
15 lost more than 30 percent of its value six times in the
16 last hundred years. And after both the drawdowns in 2000
17 and 2008, it took six years for the S&P to fully recover
18 its lost value.

19 And this variability has a significant influence
20 on contributions and the funding ratio. And these
21 exhibits illustrate that even ten years does not guarantee
22 equity returns will be rewarding or that equities will
23 even outperform bonds.

24 Slide seven, please.

25 --o0o--

1 MANAGING INVESTMENT DIRECTOR GUNN: This chart
2 illustrates the effect of a significant market downturn on
3 contributions and funding ratio. The stylized returns are
4 like similar to those experienced in 2008. In the first
5 year, there was a 25 percent drawdown. This drawdown is
6 then followed by 16 years of nine percent returns, and
7 then 13 years of seven percent returns, again averaging
8 out to about seven percent over the 30 years.

9 Now, for easy reference, the base case, which was
10 our example one, is plotted in blue, when the discount
11 rate is seven percent and the returns are seven percent in
12 a constant manner.

13 The funning ratio, which is plotted against the
14 left-hand axis is the solid blue line for the base case.
15 And the contribution rate plotted against the right-hand
16 axis is the dotted blue line. The orange lines are the
17 contribution rate and funding ratio during and after the
18 drawdown.

19 What do we see?

20 Well, we see the contribution rate, the dotted
21 orange line, increases for five years. This represents
22 the amortization of the initial losses, seeing as how the
23 25 percent was below the discount rate. Then after five
24 years, the contribution rate begins to drop as the higher
25 returns now are amortized as gains.

1 After 15 years, the contribution rate hits its
2 minimum value. In addition to the funding ratio, which is
3 the solid orange line, drops to just below 50 percent in
4 the first year and then steadily rises and reaches a
5 hundred percent in 15 years.

6 So this result is like the results of examples
7 one, two, and four, the amortization of gains and losses
8 will sustain the fund if the discount rate is not
9 excessively higher than the long-term expected returns.

10 Examples have illustrated how the contributions
11 and funding ratio respond to changes in a discount rate
12 and expected returns. Let me summarize the key points
13 here.

14 One, lower expected returns lead to increased
15 contributions. An increase in contributions may be
16 financially stressful for some employers. Return
17 uncertainty can lead to overestimating long-term expected
18 returns, a discount rate higher than it should be, and a
19 contribution rate lower than it should be. Under these
20 circumstances, in the long run, contributions will end up
21 higher than the base case, and the long-term funding ratio
22 will be below 100 percent.

23 And last, though extreme return fluctuations
24 induce significant increases in short-term contributions,
25 and an initial decline in funding ratio, the amortization

1 mechanism restores the plan, so long as the discount rate
2 is comparable to long-term expected returns.

3 So our choice of portfolio which we will be
4 making in November has direct bearing on managing these
5 risks and the ALM process will consider these factors when
6 developing our recommendations.

7 --o0o--

8 MANAGING INVESTMENT DIRECTOR GUNN: Just let me
9 quickly finish by summarizing the remaining ALM timelines.
10 Today, we were talking about some of the key factors that
11 we will look at, both when we present information about
12 the portfolios and that will influence our recommendation
13 for portfolios. In June, we will discuss our capital
14 market assumptions. And in July, we will discuss the
15 overall framework and how we use the capital market
16 assumptions to help assess portfolios. In September, we
17 will present the candidate portfolios. And then in
18 November, we will make a recommendation and choose a
19 portfolio.

20 Okay. At this point, I've finished the
21 presentation, and I'm happy to take questions.

22 CHAIRPERSON TAYLOR: Thank you. Hold on a
23 second. Let me see. So I have -- I'm going to name it
24 out, so everybody knows I've got them. I've got Henry,
25 Margaret, and Betty.

1 First is Henry.

2 COMMITTEE MEMBER JONES: Thank you, Madam Chair
3 and thanks Mr. Gunn for a very easy-to-follow
4 presentation. I enjoyed -- I was able to follow you line
5 by line. Appreciate that.

6 My question goes to page four of the -- of your
7 presentation and that's 119 of the iPad. And just looking
8 at the four examples isn't it true that example three and
9 four are more aligned to reality, because as we've been
10 looking at our discount rate, we have a discount rate for
11 the first ten years at whatever that rate is, like seven
12 percent, but then we've seen that over time, from ten to
13 30 years, it tends to drop, or vice versa, for example.

14 So is it -- you know, I think the last time the
15 first ten years was lower than seven percent and then it
16 was higher in the out-years. So could you comment on the
17 in and outs of -- I know this seems to flip-flop, because
18 this says the first five years is -- five -- it's five
19 percent the first ten years and then eight percent for the
20 last 20 years.

21 So, yeah, that's consistent with what Wilshire
22 capital market assumptions are. So in terms of trying to
23 assess which one of these might reflect the real world, is
24 it true that it's going to be something like three or
25 four?

1 MANAGING INVESTMENT DIRECTOR GUNN: Thank you,
2 Mr. Jones, for your question. At the moment, we're just
3 trying to illustrate sensitivity. You know, in terms of
4 which one is more likely to represent the future, I'm
5 going to guess one where the returns do vary. But in
6 terms of the actual pattern of returns, I mean, four is
7 probably close. But again, this is a stylized example.
8 But I think most people do see returns being lower in the
9 first five or ten years and then rising to some extent
10 later on --

11 COMMITTEE MEMBER JONES: Um-hmm.

12 MANAGING INVESTMENT DIRECTOR GUNN: -- to what,
13 you know, the actual values of that. That's the kind of
14 work we're going to look at and better understand the
15 sensitivity to that uncertainty when we present the
16 materials later on.

17 COMMITTEE MEMBER JONES: Yeah. And that's true,
18 because based on that sensitivity is going to drive that
19 top plane that contributions the impact on the -- on the
20 agencies. And so that's why I was trying to get an
21 understanding of --

22 MANAGING INVESTMENT DIRECTOR GUNN: Yes.

23 COMMITTEE MEMBER JONES: -- three and four,
24 because it's going to drive the impact on the agencies
25 and -- or sensitivity, as you described, so, yeah.

1 MANAGING INVESTMENT DIRECTOR GUNN: Yes.

2 COMMITTEE MEMBER JONES: Okay. Thank you.

3 CHAIRPERSON TAYLOR: Thank you, Mr. Jones.

4 So I was just going to comment on that. It
5 gets -- when you look at the top in the same -- on the
6 same graph that we were just looking at, when you look at
7 the top contributions under different scenarios for number
8 three and four, that's a little scary for our agencies.
9 So I like the idea of sort of changing our expected
10 returns.

11 Here's my question on this though, how does
12 that -- I mean, how does that get reported out in our
13 audit? And when we do that, doesn't it make it confusing
14 for us in the long run, when we have a seven percent
15 discount rate, but then our expected returns are
16 different?

17 MANAGING INVESTMENT DIRECTOR GUNN: All right.
18 So the proposal here is not that we necessarily make them
19 different, but rather to recognize that when we estimate
20 expected returns, there's actually -- you know, we don't
21 really know exactly what they will be, right?

22 CHAIRPERSON TAYLOR: Yeah.

23 MANAGING INVESTMENT DIRECTOR GUNN: So here, we
24 were just trying to illustrate how sensitive the choice
25 will be. We're not trying to rest the outcome on one

1 particular guess at the future though. This is more about
2 trying to be prepared and understanding what could happen
3 and then over time we can monitor and like adjust
4 accordingly. So, you know, in terms of how the -- it
5 would be accounted for, I think there's still only going
6 to be one discount rate for the organization. It's just
7 going to be informed by, you know, what the range of
8 probable returns.

9 And then, you know, we'll have to choose a
10 particular point come June, but we'll understand better
11 the range of outcomes and how we could then differ from
12 what we hope to do.

13 CHAIRPERSON TAYLOR: Okay. Great. Thank you. I
14 appreciate that.

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

16 Maybe, Ms. Taylor, maybe I can jump in really
17 quickly. I think the only thing I would add is that -- is
18 that, you know, Sterling said we don't know what the
19 future holds in terms of market returns, you know, for --
20 you know, we'll have our capital market assumptions. One
21 thing we know is that they will be probabilistic guesses,
22 but we'll very likely be incorrect.

23 What we do know is we're constantly working
24 through this balance of having lower expected returns,
25 higher contributions, but higher certainty around

1 contributions versus having higher expected returns, but
2 thereby higher volatility, and higher volatility of
3 contributions. And it is exactly that. It's a balance
4 and that's exactly the sort of -- the point of this
5 presentation is to walk through those things and think
6 through the kind of appetite for risk that we have in that
7 space.

8 CHAIRPERSON TAYLOR: Right, to get to that nice
9 balance for our agencies, so that they can -- yeah,
10 they're not being -- having the bank broken by too much
11 contributions, et cetera. I get it.

12 Next person is Ms. Brown.

13 COMMITTEE MEMBER BROWN: Thank you, Madam Chair.

14 Mr. Gunn, you really made that presentation very
15 simple. It's pretty good. But I do have a couple of
16 questions for you. So we keep talking about us being
17 fully funded in 30 years, right? A hundred percent funded
18 in 30 years based on these scenarios.

19 So my question is, but what's the probability of
20 us actually reaching a hundred percent funding in any of
21 those scenarios in 30 years?

22 MANAGING INVESTMENT DIRECTOR GUNN: Right. Good
23 question. And that's part of the work that we have to do
24 in order to help choose a portfolio come September and
25 November.

1 So today was just sort of lay the table. These
2 are the kind of things we will look at, but we do owe it
3 to you to come back and say, okay, here's a better
4 understanding of the range. And that gives you then a
5 sense of the probabilities. So that is something we will
6 have to consider. Don't have a specific answer right now.
7 It's just that right now it's really just to illustrate
8 what we would like to show you and how we want to use it.

9 COMMITTEE MEMBER BROWN: Yeah, I thought -- I
10 thought that part was a little simplified. I'm like, wow,
11 we're going to be a hundred percent funded. In 30 years,
12 that would be great, but I don't think that's the case.

13 My other concern, Mr. Gunn, is -- and I'm not
14 sure if you can answer this for me or if it's going to
15 take the actuaries, but I am concerned about this. So in
16 future presentations, I'm going to want to know about --
17 it always seems like when we adopt a discount rate, seven
18 percent, it's for years one through ten and then the years
19 11 through 30 is basically is the -- I feel like number is
20 backed into, right, to get us to the average that we need
21 to be at. And that's a concern I have. And so I am
22 talking to the actuaries. But I just to be sure that
23 we're using real numbers or real estimations when we put
24 this together.

25 So let's just say that if, for example, we say

1 we're going to get seven percent -- that we set the
2 discount rate at seven percent and so for the next ten
3 years, it's seven person. And then the actuaries have to
4 put a much bigger number on the back end to make sure we
5 get there. And so I want to make sure that all the
6 numbers that are used are -- you know, use some real
7 mathematical probability as opposed to backing into the
8 number. And I assume that's not you, Mr. Gunn, is that
9 correct?

10 MANAGING INVESTMENT DIRECTOR GUNN: I'm sorry?

11 COMMITTEE MEMBER BROWN: Is that you that does
12 that or is it the actuary?

13 MANAGING INVESTMENT DIRECTOR GUNN: Well, it's us
14 collectively. So the actuaries choose the discount rate
15 and it's our work to try to lay out our best understanding
16 of the markets and the kind of returns that might be
17 available to us in the future. And then we have to --

18 COMMITTEE MEMBER BROWN: Okay. So just -- okay.
19 So that -- this is just my caution to you, I'm going to be
20 pushing hard on that 11 to 30, because, you know,
21 apparently we don't look too closely at that number
22 because it's so far away, but I'm going to be focused on
23 that as well.

24 Thank you.

25 MANAGING INVESTMENT DIRECTOR GUNN: Okay. Thank

1 you.

2 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And,
3 Ms. Brown, the only thing I would add there -- and
4 definitely, you know, I'm sure Scott is watching and he'll
5 consider this a heads-up, and he'll -- and, you know,
6 certainly be ready for those questions. But I would
7 definitely just bear in mind that part of being, you know,
8 titled an actuary is that returns that you assume have to
9 be justified by your sort of intellectual honesty. That
10 is part of the -- you know, part of the requirement. So I
11 certainly will tell you that this is exactly what Sterling
12 is referring to, is that Sterling, and Scott, and Arnie,
13 and I, and Christine, and others, we'll all be putting our
14 heads together to come up with what do we think we can
15 defend appropriately, rightly, intellectually honestly,
16 while also, you know, balancing the need for contri -- you
17 know, to the challenges around contributions and
18 contribution volatility. And that's exactly the work of
19 this ALMprocess.

20 CHAIRPERSON TAYLOR: Thank you, Dan. Margaret
21 was that -- oh, you're on mute Margaret.

22 COMMITTEE MEMBER BROWN: Sorry. I have a dog
23 barking, so I hit the mute.

24 I appreciate those comments, Dan. My -- and I
25 haven't done the ALM before, as you know, but it just --

1 it felt like -- when I'd gone back and seen it, it felt
2 like that number was backed into. I'm not saying it was.
3 And I'm sure there's plenty of work behind that, but now
4 as a Board member, I'll be able to see that and ask the
5 tough questions. So I do appreciate that heads-up.

6 Thank you.

7 MANAGING INVESTMENT DIRECTOR GUNN: Great.

8 CHAIRPERSON TAYLOR: All right. Thank you, Ms.
9 Brown.

10 Ms. Yee, you are up.

11 COMMITTEE MEMBER YEE: Thank you, Madam Chair.
12 Just to follow on to Ms. Brown's question, It does seem
13 like, and I hope this is a fair statement, that this ALM
14 cycle does have more of a specific focus or consideration,
15 I guess, on capacity for employers to make the
16 contributions. And unlike, I guess, the ALM process four
17 years ago, where there was definitely more focus on the
18 appropriate discount rate required to meet our funded
19 status.

20 And I guess in that vein, I'm just trying to
21 figure out with respect to the timeline, are the models
22 that you're going to come forth to us with, I guess around
23 the September time frame, right, is that -- will they
24 present then a range of discount rates then? And I only
25 ask that, because obviously discount rates kind of make

1 people nervous. And so it follows onto my second question
2 and that is how are we incorporating, I guess, employer
3 and other stakeholder input in the process?

4 MANAGING INVESTMENT DIRECTOR GUNN: Right. So...
5 I muted myself accidentally. Apologies.

6 On the second point, there are a series of
7 stakeholder meetings where we do hear from the various
8 stakeholders about their concerns. On the mechanics of
9 that, indeed, come September, there will be a choice of
10 portfolios. And there will be a choice of discount rates,
11 but that will be associated probably with very different
12 levels of risk both in the portfolio, but also as Dan was
13 saying earlier, in the volatility of the contributions as
14 well.

15 So if -- we'll -- like I said, so the three or
16 four portfolios very distinct in terms of their risk
17 characteristics and their discount rate.

18 COMMITTEE MEMBER YEE: Okay. And do we have any
19 sense of what that range looks like now or is that still
20 to come?

21 MANAGING INVESTMENT DIRECTOR GUNN: I wouldn't
22 want to prejudge. I would think at the moment that seven
23 percent is probably near the top of the range.

24 COMMITTEE MEMBER YEE: Okay. All right. Thank
25 you.

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And,
2 Ms. Yee, to your point, we definitely want to hear
3 stakeholder input.

4 MANAGING INVESTMENT DIRECTOR GUNN: Yes.

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: You
6 know, we had the stakeholder event in January. Certainly,
7 you know, want to -- you know, an item on this in
8 February. The plan is that at every time we get together
9 to have this in front of the Committee -- certainly
10 today's and June we're back with capital market
11 assumptions. This will be a big part of the July
12 off-site. Then September is a whole workshop. It won't
13 actually be part of the sort of standard committee. I
14 mean, it is part of Investment Committee, but it will be
15 its own workshop, where we really have time to dig into
16 some of tease candidate portfolios with adoption of the
17 ALM in November. So lots of opportunities for our
18 stakeholder to have input. And we -- to your point, we
19 definitely, you know, want and need to hear it.

20 COMMITTEE MEMBER YEE: Great. Appreciate that.

21 CHIEF EXECUTIVE OFFICER FROST: Yeah. And
22 Controller Yee, you know, in addition to the stakeholder
23 meetings that we have regularly scheduled, the monthly and
24 the quarterlies, we've added a quarterly webinar specific
25 to ALM for any, you know, stakeholder, employer, you know,

1 labor, retirees, whoever is interested.

2 COMMITTEE MEMBER YEE: Great. I appreciate all
3 of that. Thank you. Thank you, Madam Chair.

4 CHIEF EXECUTIVE OFFICER FROST: Um-hmm.

5 CHAIRPERSON TAYLOR: Thank you, Ms. Yee.

6 Next is Mr. Rubalcava, please.

7 COMMITTEE MEMBER RUBALCAVA: Thank you, Madam
8 Chair. Thank you, Mr. Gunn, for this presentation. I
9 particularly appreciate chart four, because you -- like
10 you said it or somebody said it -- maybe somebody said it,
11 speaks to the -- to the sensitivity and I think employer
12 is always worried about -- you know, everybody wants the
13 benefit to be secure guaranteed, and that's what you're
14 starting for the full funding. But to get there, there
15 has to be all these actuarial assumptions. And I think we
16 have to respect the actuarial principle that in the long
17 run everything is going to work out.

18 And I think one thing to assess it is that we can
19 make -- we can make adjustments accordingly when -- I'm
20 getting of my point. The point is the assumptions we --
21 the assumptions in these scenarios will impact the
22 employer contribution, which, of course, funding ratio
23 impacts the contribution. So -- but I know the focus here
24 is something else. But besides the adjustments accord --
25 we can make according -- adjustments as we go on, we

1 can -- there's also some tools, are there not, for the
2 employer to sort of mit -- provide some -- mitigate the
3 impact on the employer and the contribution rate or
4 mitigation, or the rate relief. Is there anything -- when
5 will that be adjust -- discussed? Is that after we've
6 done the asset liabilities set and we're going to other
7 assumptions? I'm just -- I might be jumping ahead there.
8 The process, I just I want to understand --

9 CHIEF EXECUTIVE OFFICER FROST: Yeah.

10 COMMITTEE MEMBER RUBALCAVA: -- for the employers
11 out there that where do -- I mean, they care about that,
12 you know, the impact on their contribution. So when does
13 that happen?

14 MANAGING INVESTMENT DIRECTOR GUNN: So the --

15 COMMITTEE MEMBER RUBALCAVA: And what tools are
16 available, please. I'm not sure if that's a question for
17 you or the Actuary Office. Thank you.

18 MANAGING INVESTMENT DIRECTOR GUNN: I think the
19 Actuarial Office can give a more detailed answer, but we
20 use the tools that are available online for employers to
21 develop some of this -- the pieces of work that you saw
22 here today. So there are tools available online so
23 explorers can explore, you know, what may happen with
24 different choices, different scenarios.

25 CHIEF EXECUTIVE OFFICER FROST: Yeah. Mr.

1 Rubalcava, we have the Pension Outlook Tool that was
2 developed by our actuaries that is out in the hands of all
3 of our public employers now. Just released the pools
4 version of that tool. In addition, we have the 115 Trust
5 that we put into place for employers who have some money
6 to set aside for future contributions. I think, you know,
7 specifically what you may be referring to is when we
8 change the 30-year amortization to 20 years, that
9 there's --

10 COMMITTEE MEMBER RUBALCAVA: Yes, I voted on
11 that.

12 (Laughter.)

13 CHIEF EXECUTIVE OFFICER FROST: -- a hardship
14 process that if a public employer was really having
15 difficulties with that 20-year amortization, that they
16 could make a request through our Finance Office to have us
17 do a review to determine whether we could either, you
18 know, change their amortization or do some kind of a fresh
19 start. But there are tools that we have available and we
20 really encourage our public employers to be in contact,
21 either through Michael Cohen's office or through Scott
22 Terando's office.

23 COMMITTEE MEMBER RUBALCAVA: Since we started on
24 this path, let me ask one more question. I know there's a
25 lot of headlines and press out there about whether it's

1 the right time for -- or ever the right time for a pension
2 obligation bond. Does the CalPERS staff ever weigh in on
3 those discussions or give advice to employers who are
4 considering that avenue?

5 CHIEF EXECUTIVE OFFICER FROST: We have not taken
6 a position -- a formal position on pension obligation
7 bonds. I know that a consultant just recently came out --
8 and this is someone who used to be one of our actuaries,
9 Todd Tauzer from Segal. We can make that available to the
10 Board. I just got that as a part of this new kind of
11 pension accounting work group that I'm on. I'd be happy
12 to share that with all of you. But CalPERS has not taken
13 a position on POBs.

14 COMMITTEE MEMBER RUBALCAVA: Thank you, everybody

15 CHAIRPERSON TAYLOR: Since Mr. Rubalcava went
16 down that vein, there's the money coming in from the COVID
17 Rescue Bill, and as I understand it, and correct me if I'm
18 wrong Dan or Marcie, what -- weren't we getting some of
19 that for CalPERS? Am I wrong about that? Oops. Sorry.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I
21 don't think we know yet, Ms. Taylor. I'm going to do -- I
22 do think there are some -- there certainly is talk of that
23 in the Governor's office, and the like, around the budget.
24 I do know that to Marcie's point, we have gotten in some
25 one-off contributions from issues of pension obligation

1 bonds from some of our municipalities.

2 CHAIRPERSON TAYLOR: Yeah.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: But
4 whether part of this most recent \$1.9 trillion package
5 will actually come into CalPERS on behalf of the State, I
6 don't think we know that yet.

7 CHAIRPERSON TAYLOR: Okay. I thought maybe I
8 read it, but thank you for correcting me.

9 My next question is from Ms. Middleton and then
10 Mr. Jones.

11 COMMITTEE MEMBER MIDDLETON: Thank you. And it's
12 really more a comment than a question. We -- hopefully,
13 as we start to move into summer and into fall are going to
14 see organizations gathering together in more traditional
15 kinds of meetings. And I think it is incredibly important
16 that our outreach efforts this year to the employer
17 community on the ALM process is very robust and
18 widespread. I'm more than very happy to help in those
19 efforts. League of California Cities currently has their
20 convention planned for Sacramento September 22 through 24.
21 And we need to get out and meet the employer community
22 where they are as we approach ALM.

23 Thank you.

24 CHAIRPERSON TAYLOR: I forgot to unmute. I'm
25 sorry. Mr. Jones. Thank you.

1 COMMITTEE MEMBER JONES: Yeah. Thank you. Just
2 a follow-up on the discussion around the one to ten and 11
3 to 30 year capital market assumptions. And so my question
4 is is that Wilshire provides their capital market
5 assumptions, and they talk about the one to ten and 11 to
6 30 year numbers to come up with an average. Are -- do we
7 use that data or do we just use it as a guide in terms of
8 coming up with our discount rate?

9 MANAGING INVESTMENT DIRECTOR GUNN: We'll use
10 that data along with data from other providers, to try to
11 estimate the range of possible outcomes. So we don't
12 ignore anything. Even internally, we'll also develop our
13 own views on the world and then we'll use all of that to
14 really better understand what we think is probable, and
15 then make a choice based on that.

16 COMMITTEE MEMBER JONES: Okay. Thanks.

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

18 COMMITTEE MEMBER JONES: Yes.

19 CHAIRPERSON TAYLOR: Okay. Thank you.

20 COMMITTEE MEMBER JONES: Thank you.

21 CHAIRPERSON TAYLOR: It looks like I don't have
22 any additional questions. Marcie, Jason asked if you
23 could share with the Board that article. And, Mr. Gunn, I
24 want to thank you. I don't know if it's because I've been
25 on the Board long enough now, but this one of the most

1 understandable ALMs I've ever been through. So it was
2 very straightforward and I thank you very much for your
3 report.

4 MANAGING INVESTMENT DIRECTOR GUNN: All right.
5 You're ver welcome. Thank you for your time.

6 CHAIRPERSON TAYLOR: And we are now on 8B,
7 CalPERS trust level review and we're starting, as I
8 understand it, with Wilshire.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: We
10 are indeed. Thank you, Madam Chair. Thank you, Sterling
11 and Christine. I see we've got Tom Toth. If we can also
12 please get Steve McCourt brought up into the presenter's
13 queue. This is our first trust level review of 2021. The
14 Committee may recall that staff and your Board consultants
15 alternate who presents first, with the consultants going
16 first in March and then management taking the lead in
17 September.

18 So the consultants go with 8B and then staff will
19 follow with 8C. And with that, Tom, I'll turn it over to
20 you to take us through Wilshire's portion.

21 (Thereupon a slide presentation.)

22 MR. TOTH: Thanks very much, Dan. Tom Toth with
23 Wilshire. Let me start on page 127 of the Board packet
24 and lead off just by saying that really any review of 2020
25 would be wholly insufficient without acknowledging the

1 terrible human toll the pandemic has taken really around
2 the globe. And we're all aware of the case counts and
3 mortality statistics, which we've laid out on page 127,
4 which are thankfully declining in the U.S. as the
5 distribution of the vaccines continue to accelerate.
6 Obviously, continued vigilance is incredibly important,
7 given the potential for variants that we've seen around
8 the globe.

9 Now, the economy has staged a sharp rebound.
10 Although, admittedly, the impact of the rebound has been
11 uneven. But given the recovery in employment,
12 manufacturing activity, and the relatively strong
13 aggregate position of the U.S. consumer, we're likely to
14 witness an acceleration in consumption of both goods and
15 services. And that's likely to lead to a very strong 2021
16 in growth in U.S. GDP with estimates north of five
17 percent. In fact, Goldman Sachs released an update
18 yesterday that had GDP growth at eight percent, which is
19 just an enormous number when you think about it, as sort
20 of normalized growth leading into the pandemic was between
21 one and a half and say two and a half percent.

22 Now, in the last few weeks, we have seen upward
23 pressure on interest rates, even as the Fed has pledged to
24 keep short-term rates low. And as investors digest
25 economic growth prospects and the potential inflationary

1 pressures, interest rate volatility is likely to increase
2 and impact valuations on the full spectrum of investment
3 opportunities.

4 And I view this as a key risk for capital markets
5 over the coming year, and not just for fixed income
6 importantly, but also for other risk assets, such as
7 growth equities, which have elongated cash flows
8 underpinning their valuations, where the discount rate can
9 really make quite a difference in terms of their levels.

10 On page 129 of the Board packet, as we've
11 discussed in the past, the Federal Reserve's accommodative
12 monetary policy, combined with substantial fiscal action,
13 including the most recent \$1.9 trillion support package
14 have also --

15 COMMITTEE MEMBER JONES: Excuse me, Madam Chair?
16 Madam Chair, could you have the charts -- see that the
17 charts are moving to where he's talking, please.

18 CHAIRPERSON TAYLOR: Yes. Thank you. And I
19 don't know if it's because you're mention -- oh, there we
20 go -- the Board books number, because it's actually page
21 number four of 58.

22 --o0o--

23 MR. TOTH: Oh, if it would be help, I can refer
24 to that lower right-hand number, if that's easier for
25 body.

1 CHAIRPERSON TAYLOR: Yeah. Okay. Thank you very
2 much, Henry.

3 COMMITTEE MEMBER JONES: Thank you

4 MR. TOTH: Thanks, Henry.

5 So we've talked about the different support
6 packages, which have all helped equity markets. And as
7 you can see here, equity markets rallied quite strongly in
8 2020, even as some underlying operating fundamentals
9 deteriorated. And that really is driven by the
10 discounting mechanism that is financial markets. And you
11 can see the -- sort of the path there in that upper chart.

12 Given the strong performance of equity markets,
13 these elevated valuations impact our expectations for
14 equity returns going forward. And I wanted to point out
15 one of the models that we use in forecasting equity
16 returns, which is on -- it would be page eight of this
17 deck. It actually is -- looks like it's missing its --
18 that one right there.

19 --o0o--

20 MR. TOTH: It looks like it's missing its page
21 number.

22 On the right-hand side, you can see the
23 components of our income growth and valuation framework.
24 And you can see that each of the components has a lower
25 contribution to return than we've seen historically. And

1 of particular note is the negative contribution from
2 valuation shifts, which as of the snapshot here
3 historically had added about 1.7 percent to return, as
4 that -- those levels move back towards more -- more of
5 what we'll call normal historical averages. That's
6 actually going to switch to a headwind for equity returns
7 going forward.

8 When you combined the low, albeit rising,
9 interest rate environment with our outlook for riskier
10 assets, you can see the portfolio's expected return on the
11 next page.

12 --o0o--

13 MR. TOTH: And Mr. Jones referred to this in his
14 earlier comments on the I -- the ALM. This really
15 highlights the challenge that institutional investors face
16 in meeting your return targets. And this is going to be,
17 as Mr. Gunn pointed out, a key discussion point during the
18 ongoing ALM process. And to provide just a little bit of
19 color actually to Ms. Brown's question about
20 probabilities, as we look at the return and risk here,
21 using a normal distribution, the portfolio has about a 43
22 percent chance of exceeding seven percent over the next
23 ten years and about a 48 percent chance of exceeding seven
24 percent over the 30-year time period.

25 Naturally, during the asset all -- the asset

1 liability study we'll be looking at different ways to
2 adjust that, ideally moving that probability -- that
3 probability higher.

4 Let me grab my page here.

5 If we flip forward to performance on page 12 --

6 --o0o--

7 MR. TOTH: -- you can see that the portfolio was
8 in line with the benchmark over the calendar year period
9 with a return of 12.4 percent. In addition, the fiscal
10 year-to-date return stands at 13.4 percent as of the end
11 of 2020. Just gives you a sense for the path of returns
12 last year with a very challenging first quarter followed
13 by a substantial rebound moving through the back-half of
14 the year.

15 Absolute performance was driven by strong returns
16 in both public and private equity, as well as the fixed
17 income portfolio, which benefited from a long duration
18 positioning relative to core fixed income benchmarks.

19 Now, real assets struggled as inflation
20 expectations collapsed in 2020. And there's continued
21 uncertainty over the outlook for real estate demand in the
22 post-pandemic economy.

23 Now, I would caution something we're talking to
24 clients continually about is building in some inflation
25 resilience into portfolios. So while real assets has

1 struggled relative to global equity, the diversification
2 and that inflation resilience that that provides on a
3 strategic perspective we think should remain an important
4 consideration when we're talking about portfolio
5 construction.

6 If we move forward a page to the attribution.

7 --o0o--

8 MR. TOTH: One more to the calendar year.

9 --o0o--

10 MR. TOTH: Sorry. A couple of points that I
11 wanted to make here. In terms of the larger impacts,
12 public equity and the income portfolio were both positive
13 contributors at 15 and 26 basis points respectively.
14 Private equity was a net negative contributor on a
15 relative basis, although the attribution information is a
16 bit counterintuitive. When you look at the portfolio
17 return relative to its benchmark, you actually see that
18 the private equity portfolio outperformed its benchmark,
19 which naturally leads to the question, well, how did it
20 have a negative relative return impact?

21 And that's related to the extreme level of
22 volatility that we saw moving through 2020, such that the
23 weighted asset contribution ended up negative. In other
24 words, you had more assets early on and fewer assets when
25 we saw some of the substantial snapback in the middle of

1 2020. I point that out, because it is counterintuitive,
2 but suffice to say that we have reviewed the figures and
3 we're confident that they're accurate.

4 Lastly, from an active risk standpoint, if I
5 could have you just flip forward to page 17 of the
6 review --

7 --o0o--

8 MR. TOTH: -- you can see the realized active
9 risk, or tracking error, of the portfolio does show an
10 upward trend to about 1.4 percent. This was driven by
11 some of those sharp market swings we experienced in 2020.

12 With that, I will stop and see if there are any
13 questions from the Committee or I can turn it over to
14 Meketa to follow on with their trust level comments.

15 CHAIRPERSON TAYLOR: I am not seeing any
16 questions at the moment. I had one quick question. You
17 mentioned the downturn and then the rebound, but it's been
18 kind of an uneven rebound. And I was wondering what --
19 maybe this isn't for you, maybe it is. Our ESG
20 strategy -- how are ESG strategy plays into this total
21 fund review when we're taking into consideration the
22 workers that were displaced, et cetera, because it seems
23 to me as we look at risk, et cetera, that poses a risk in
24 the future to me.

25 MR. TOTH: Madam Chair, I would certainly agree

1 with that. The broader based, the benefits of the
2 recovery, the more self-sustaining it is. And so to the
3 extent you've probably heard the term the K-shaped
4 recovery, where some have benefited but others have not,
5 that is going to, I think, lead to a rockier road to
6 recovery. A lot of the debate around the shape of the
7 various support packages has really hinged on that very --
8 that very concept of trying to make sure that that -- that
9 support is provided to the right constituents across the
10 economy, in order to support coming out of this pandemic.

11 CHAIRPERSON TAYLOR: Thank you, Mr. Toth, I
12 appreciate that. I'm still not seeing any additional
13 questions, so we can move on to Meketa.

14 MR. McCOURT: Thank you. This is Steve McCourt
15 at Meketa. It's nice to see everybody virtually and can't
16 wait to see you all in person, hopefully sometime soon.

17 I'm going to present some scripted remarks on
18 Meketa's private equity, real estate, and infrastructure
19 semiannual reviews.

20 Steve Hartt, Christy Fields, David Glickman, and
21 Lisa Bacon are all here present from Meketa to answer any
22 detailed questions about each of these asset classes after
23 I go through them. I'll start with private equity and
24 then move on to real estate and infrastructure.

25 So starting with private equity and with

1 performance, I'll note that each of these reports that are
2 presented in your package are as of December 31st, 2020,
3 but the net asset values are reflective of the three-month
4 lag in private markets, which is as of September 30th,
5 2020. So just note that.

6 Private equity, as well as other asset classes,
7 rebounded in the second half of 2020 with both CalPERS
8 private equity portfolio and the policy benchmark
9 returning to positive returns for the one-year period,
10 returning 12 and a half percent and 11.7 percent
11 respectively. Performance for the portfolio and the
12 policy benchmark across longer time periods have also
13 increased in recent months. The program's performance
14 exceeds the policy benchmark for each of the one- and
15 three-year periods, but dips below the benchmark of the
16 five- and ten-year periods.

17 As a reminder, the policy benchmark was most
18 recently changed to the custom FTSE Global All Cap plus
19 150 basis point level beginning in July of 2018.

20 For the trailing ten years, the private equity
21 asset class returned 11.5 percent per year on average.
22 The portfolio's net asset value, as of December 31st,
23 2020, was \$30.8 billion, an increase of 5.1 billion net of
24 cash flows compared to June 30th, 2020. The current net
25 asset value represents seven percent of the CalPERS total

1 fund compared to an eight percent target for private
2 equity.

3 As I noted, the program's net asset value was
4 calculated based on the September 30th, 2020 values, while
5 the overall CalPERS portfolio includes publicly traded
6 assets valued as December 31st, 2020. Consequently, we
7 would expect that when the December 31, 2020 private
8 equity values are received, the program's net asset value
9 will have a modest uplift from the September 30th values
10 that you're seeing.

11 The performance rebound from COVID-19 is evident
12 across the portfolio with all strategies experience --
13 experiencing significant increases. Venture and growth
14 expansion strategies have generated particularly strong
15 returns in recent periods, each returning over 20 percent
16 for the past year.

17 Credit continues to be a relative drag on
18 performance. Overall, the program has been and will
19 continue to be driven by the buyout strategy, which has
20 also rebounded and has provided attractive returns in the
21 long term.

22 While the Private Equity Program is predominantly
23 invested in the U.S., it's noteworthy that European
24 private equity had a particularly strong trailing 12
25 months returning nearly 20 percent.

1 Moving on to implementation considerations. For
2 the second half of 2020, staff completed 26 commitments
3 totaling \$9 billion and 46 commitments totaling \$18
4 billion from January 2020 through December 2020. This was
5 a very active period for the program, maintaining a high
6 level engagement while continuing to be in a
7 work-from-home status. Very strong execution from the
8 staff during this period.

9 Staff has increased their emphasis on no and low
10 fee separately managed accounts and co-investments by
11 managing -- by leveraging CalSTRS[SIC] size and scale.
12 The portfolio is in compliance with all key parameters and
13 strategy -- related to strategy diversification.

14 Concluding, the private equity portfolio's recent
15 performance shows resiliency as the program reported over
16 \$5 billion of gains since our prior report. The staff
17 maintained a high level of engagement while being in a
18 work-from-home status, and worked closely with the
19 underlying managers to monitor the health of the
20 portfolio, which has largely remained resilient.

21 The program's investment pace remained strong and
22 staff expanded its implementation of lower cost separately
23 managed accounts and co-investments.

24 CalPERS faces challenges in building the program,
25 but also has opportunities given its scale, experience,

1 and large investment team. Staff's continued focus on
2 deploying capital through lower cost investment structures
3 will help mitigate overall fees. As you know, staff is
4 currently presenting its private equity strategic plan to
5 the Investment Committee to maximize future opportunities
6 and to identify challenges.

7 Shifting on to the real estate asset class,
8 CalPERS assigns to the real estate portfolio, the goals of
9 diversification, current income, and inflation protection.
10 Real estate represents 84 of the -- 84 percent of the real
11 assets portfolio.

12 The portfolio's diversification is serving the
13 system as different property sectors experience varying
14 demand and supply dynamics. Similarly, CalPERS focused on
15 the highest quality locations and materials that attract
16 credit worthy tenants provides defensive characteristics.

17 Overall returns have moderated from both CalPERS
18 and the broader real estate market. CalPERS has
19 historically used more leverage than the benchmark, 32 and
20 a half percent versus 23.1 percent presently. So when
21 property values are rising, this accelerates returns.
22 When values decline, this detracts returns -- detracts
23 from returns.

24 The portfolio posted a positive 0.8 percent
25 current income for the most recent quarter, while

1 valuations declined slightly by 0.1 percent. Among core
2 holdings, regional mall retail property investments, to
3 which CalPERS has a overweight compared to the benchmark,
4 and which account for 18 percent of the portfolio,
5 declined by 3.6 percent. These investments have produced
6 a 9.8 percent total net return since inception. The core
7 portfolio representing 84 percent of the real estate
8 portfolio produced stronger longer term returns of 6.3
9 percent for the trailing five-year period compared to the
10 MSCI/PREA benchmark return of 5.6 percent.

11 It's important to note that just four years ago,
12 the core portion represented just 55 percent of the real
13 estate portfolio, and that efforts continue to transition
14 the portfolio away from legacy non-strategic risks towards
15 higher quality stabilized assets that serve the role of
16 the asset class better.

17 Related to implementation, the real estate
18 portfolio is compliant with all key parameters related to
19 diversification and other limits applicable at the
20 portfolio level. CalPERS business model for real estate
21 emphasizes control, transparency, alignment, and
22 governance. CalPERS market advantages are its size,
23 scale, and ability to hold assets for longer periods.
24 CalPERS continues to be an industry leader in creating
25 embrace -- creating and embracing responsible contractor

1 policies and ESG best practices at its properties.

2 Meketa believes that CalPERS strategic long-term
3 tilt to the historic centers of population and employment
4 growth is sound. Interest rates are still at very
5 attractive levels for spread investing, and given the lack
6 of alternatives for current return, serve to maintain
7 strong interest in leveraged property purchases.

8 In concluding, the COVID-19 pandemic and the
9 associated unemployment continue to loom over the property
10 markets around the world. Like other asset classes, so
11 much of the private real estate sector's future hinges on
12 the delivery of vaccines and therapeutics, the mutations
13 of the virus, and subsequent changes in the behavior by
14 real estate occupants and investors.

15 The transaction and financing markets continue to
16 be challenging for core buyers, core sellers, and property
17 owners, who are neither buying nor selling at volume.
18 Nevertheless, CalPERS continues -- continued discipline,
19 long-term investment horizon in this illiquid asset class
20 and focus on the role of the asset class should continue
21 to serve the needs of the system.

22 And finally, regarding infrastructure, the
23 CalPERS infrastructure portfolio continues to outperform
24 its policy benchmark for all reporting periods.

25 CHAIRPERSON TAYLOR: Mr. McCourt, sorry about

1 that.

2 MR. McCOURT: That's okay.

3 CHAIRPERSON TAYLOR: I believe Mr. Jones had a
4 question and I think we passed by the question or do you
5 want to wait?

6 COMMITTEE MEMBER JONES: Until you finish.

7 CHAIRPERSON TAYLOR: Okay. Never mind. Go
8 ahead, Mr. McCourt.

9 MR. McCOURT: Okay. Yeah. Thanks. I'm on --
10 I'm on the last piece here, so I'll be -- I'll be quick.

11 The infrastructure portfolio continues to
12 outperform the policy benchmark for all reporting periods
13 except the trailing year, where the portfolio returned
14 negative 0.4 percent versus the real asset benchmark of
15 positive 0.4 percent.

16 Compared to six months ago, the ten-year
17 performance is unchanged, but shorter period returns are
18 lower on an absolute basis. On a relative basis compared
19 to June 30th, the portfolio's outperformance is about the
20 same for the ten- and five-year periods.

21 This is consistent with our ongoing comments that
22 we expect prior period higher returns to moderate somewhat
23 going forward. We continue to note that CalPERS' longer
24 term infrastructure returns are far in excess of the
25 longer term return expectations of the asset class.

1 The infrastructure portfolio is in compliance
2 with all key parameters related to diversification and
3 other applicable limits of the portfolio. The portfolio's
4 net asset value as of December 31st, 2020 was \$5.77
5 billion, an increase of \$337.8 million, or 6.2 percent,
6 compared to the June 30th, 2020 net asset value.

7 The current net asset value represents about 1.3
8 percent of the total portfolio. For the trailing 12
9 months, the portfolio's contribution -- contributions
10 outpaced distributions 1.1 billion to 0.4 billion dollars
11 respectively.

12 We would expect to see contributions outpace
13 distributions going forward, given the number and size of
14 new commitments made over the last two years compared to
15 the remaining smaller size of more mature assets in the
16 portfolio.

17 One new investment was made during the semiannual
18 period in opportunistic renewable power asset with a
19 concentrated -- with a contracted revenue profile located
20 within the U.S.

21 In concluding -- in concluding, we believe the
22 portfolio's performance for trailing periods of longer
23 than one year has been impressive relative to the
24 benchmark, although the portfolio's performance does not
25 appear -- does appear to be moderating. Although the

1 one-year performance mark is slightly below the benchmark,
2 it has improved over the prior quarter and we note that
3 the current benchmark is not specific to the
4 infrastructure asset class.

5 It appears the portfolio has held up well so far
6 in the face of the global pandemic. A number of the
7 existing investments are appropriately defensive and
8 others exhibit resiliency.

9 The portfolio should benefit from improving
10 conditions and is also positioned to take advantage of a
11 robust pipeline of deal opportunities in the U.S. and
12 abroad.

13 And that concludes my comments. Happy to take
14 any questions on any of the three private market asset
15 classes

16 CHAIRPERSON TAYLOR: All right. Thank you.

17 Mr. Jones.

18 COMMITTEE MEMBER JONES: Yeah. Thank you, Madam
19 Chair and thank you, Mr. McCourt, for your presentation,
20 and also indicating that all our key parameters are
21 consistent with our diversification and our long-term
22 goals, et cetera.

23 I just would like for you to expand on the
24 comment about the three-month lag with private equity and
25 real estate, because we seem to always get questions about

1 why the numbers change when we close our books. And when
2 you made reference to the three-month lag with real estate
3 and private equity, that -- therein lies the issue about
4 the data is going to change. So could you just comment on
5 the industry standard and the process so that people are
6 aware of how that works.

7 MR. McCOURT: Sure. So in the -- in the public
8 markets, when you hold stocks and bonds that trade daily,
9 you know the price of your assets on a daily basis and
10 those are marked typically fairly quickly after the end of
11 every month and quarter.

12 Private market assets are generally valued,
13 depending on the asset class and depending on the
14 particular strategy, any time between one and five months
15 after a quarter ends. And so the industry standard is to
16 lag private market asset valuations, as a consequence of
17 that, by three months. So the asset values that are
18 reported in your December 31st semiannual reports reflect
19 the asset values as of September 30th, adjusted for the
20 cash flows that go into and out of the portfolio during
21 the full fourth quarter.

22 And then once your valuation reports are
23 completed for December 31st, which might occur between now
24 and the next couple of months, the portfolio's value will
25 be updated to reflect the new December 31st net asset

1 values.

2 So those lags are consistent across private
3 market asset classes. It has to do with the fact that
4 these assets are not marked to market on a daily basis and
5 their valuations rely on valuation policies that investors
6 and managers apply to their portfolios.

7 COMMITTEE MEMBER JONES: Thank you.

8 CHAIRPERSON TAYLOR: Thank you, Henry. Good
9 question.

10 Mr. McCourt, I had a quick question going back to
11 real estate. The State of California itself is
12 considering permanently implementing teleworking. So I
13 know that has an impact, not just for the State of
14 California's workforce but for other workforces that I've
15 read about that are also doing the same. I imagine that
16 has some impact -- and I think I talked -- asked this
17 before, but it has some impact on our real estate
18 holdings. And I noted -- I was reading in your report
19 that you are -- you're not quite sure where that's going
20 to go yet. Do you have any estimation of whether or not
21 these core assets will become, you know, possibly risky
22 assets, because now people aren't going back to the office
23 buildings?

24 MR. McCOURT: Yeah, fantastic question. I'm
25 going to take the opportunity to allow David Glickman to

1 respond to that, as someone who is on the ground on a
2 day-to-day basis in these real estate markets.

3 CHAIRPERSON TAYLOR: Thanks. Thanks, David.

4 MR. GLICKMAN: Good afternoon, everybody. It's
5 great to see all the faces. We all at Meketa look forward
6 to being able to see each other in person again, as soon
7 as it's safe. And therein Theresa, lies the answer to
8 your question. We don't really know the take-up of office
9 space. Each employer is making her own decision based on
10 her constituents and their need to be together.

11 Clearly, the effort that has faltered is training
12 and culture within companies. That isn't yet able to be
13 reproduced online or virtually. And depending on the kind
14 of organization that it is, that will determine how
15 quickly and intensively they decide to return to the home
16 office.

17 In terms of market transactions that might
18 illustrate or give a trend towards how investors are
19 feeling about the future of half a million to a million
20 square foot office buildings, such as are found in your
21 portfolio in major city centers, there have been almost no
22 transactions to date for the last year, relatively few.

23 And so the idea that we could extrapolate on
24 valuations from those, again I wish I had a better answer,
25 but the crystal ball is still very, very cloudy.

1 One of the things that has been commented a
2 lot is how the ability to work remotely in the last year
3 has accelerated probably by five to ten years worth of
4 adoption. And that's going to have an impact on the
5 expectation of the amount of space per worker that's going
6 to be required as leases expire and landlords and tenants
7 negotiate to relet those same spaces, whether they'll need
8 the same amount of space or not.

9 And at the same time, different kinds of users
10 are being created every year. You see that in the
11 emerging companies. Somebody like Salesforce, who didn't
12 exist 15 years ago, is now one of the biggest net users of
13 space on the planet. And so it's very hard to try to draw
14 inferences at this stage.

15 We will continue to keep posted. We think that
16 the two most important things to keep an eye on are the
17 supply of space, either new space that's created or
18 existing buildings in which there's contraction or
19 subletting, so that's in effect bringing new space to
20 market, even though there's no new construction, that's
21 one thing to watch.

22 The other thing to watch is the supply of money.
23 And as has been discussed earlier in today's meeting and
24 at other meetings, the lack of current return is having
25 people face towards real and infrastructure, because of

1 the possibility of earning current return with which to
2 pay benefits or other liabilities. And there, the lower
3 interest rates have created more attraction for existing
4 core real estate investments that have good credit tenants
5 in it and can offer reliable income.

6 The one thing we've noted through the last year
7 is that the CalPERS portfolio has had a relatively strong
8 performance, as Steve described, in terms of positive cash
9 flow. And even though many of the office tenants were not
10 able to actually physically occupy their space, there's a
11 very high degree of collection from the tenants and very
12 few defaults in the leases.

13 So we take a little bit of comfort in that in
14 fulfilling the mission assigned to real estate of creating
15 current income going forward.

16 Thank you.

17 CHAIRPERSON TAYLOR: Thank you, David. That is
18 interesting. So that -- I don't know if what you're
19 saying is people have empty buildings but are still paying
20 the rent, is that what you're saying, or is -- they're
21 actually occupying the buildings?

22 MR. GLICKMAN: No. Even in California, contract
23 law is being enforced and people are paying their rent.

24 CHAIRPERSON TAYLOR: Nice.

25 MR. GLICKMAN: The place where you are seeing

1 moratoria on rent payments are in residential. And those
2 payments are deferred, they are not being forgiven. And
3 the National Multi-Housing Council, which surveys millions
4 of multi-family units across the country, has reported
5 high 80s to low 90s payment and collection experience for
6 Class A and Class B plus, which is the kind of properties
7 that you own in your portfolio, and your experience has
8 been very similar.

9 CHAIRPERSON TAYLOR: Okay. Great. Thank you
10 very much.

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
12 Madam Chair, you managed to get muted there, I
13 think.

14 CHAIRPERSON TAYLOR: Oops. I'm sorry. Mr.
15 Rubalcava, you're next -- you're up next.

16 COMMITTEE MEMBER RUBALCAVA: Thank you, Madam
17 Chair. Thank you for the presentation. Has the -- I want
18 to go back to the real estate section report. As you --
19 speakers have stated, there's a lot of uncertainty as to
20 the use of buildings and office space. But one thing
21 is -- I think is clear is that as people do return, or
22 will -- or in order to return, there has to be a lot of
23 focus on certain classification of workers that will keep
24 buildings maintained, and protect the tenants, and the
25 products, and what have you.

1 And so I wanted to commend the report by Meketa
2 on the implementation, the last paragraph. I'm going to
3 paraphrase here, but it says CalPERS continues to be an
4 industry leader in creating and embracing responsible
5 contractor policies and ESG best practices at its
6 property. So I want -- I want to commend the CalPERS
7 staff for making sure that happens and continue that and
8 also to Meketa to make sure they highlighted that as a
9 strength and thank you for that.

10 I just want to make a comment. Thank you, Ms.
11 Chair.

12 CHAIRPERSON TAYLOR: Thank you, Mr. Rubalcava.

13 My next question is from Controller Yee.

14 COMMITTEE MEMBER YEE: Thank you, Madam Chair. I
15 had kind of a similar line of inquiry about retail
16 shopping malls and a lot of talk about perhaps repurposing
17 them into housing. And I guess I just want to get a
18 reality check about how feasible is that and are we seeing
19 any of that activity?

20 MR. McCOURT: Great. Thank you. And, David,
21 I'll hand that one over to you as well.

22 MR. GLICKMAN: Yes. Thank you. Ms. Yee, the
23 enclosed mall shopping centers are a tale of two cities.
24 And the difference is who has capital and who doesn't have
25 capital. The properties in your portfolio are of the very

1 highest quality and you and your joint venture partners
2 have balance sheets that will provide for the preservation
3 of the assets through this difficult time and continuous
4 improvement of the assets, including, but not limited to,
5 alternative, or auxiliary, or supplemental uses.

6 The places where most of the repurposing is
7 happening is in malls that were not economically strong to
8 start with and who need another purpose to draw people to
9 the remaining retail.

10 So we are seeing evidence of that. We're seeing
11 that more in the distressed or opportunistic sectors of
12 the market than the high quality core parts of the retail
13 mall market. And it's really a case-by-case basis,
14 whether there is permission from the local municipality to
15 allow for the change in zoning. And to the extent that
16 there isn't, that can be a long and sometimes contentious
17 process before you actually get occupancy of the
18 apartments and get them constructed.

19 So there's a multiplicity of factors and risks
20 that are associated with converting a large property like
21 a six, or seven, or eight hundred thousand foot enclosed
22 mall. And we watch them and your manager is looking for
23 opportunities where the expertise of the joint venture
24 partners might be able to affect such a redevelopment.
25 But for the most part, those are slow.

1 Recall there are approximately a thousand
2 enclosed retail malls in the United States. Two hundred
3 of them are of very high quality. Four hundred of them
4 are of very low economic driver potential. And there's
5 another 400 in between. So we get As, we get Bs, and we
6 get Cs.

7 The places where the repurposing is happening is
8 in the Cs, as their owners and lenders struggle to see how
9 they can continue to create rents from those properties to
10 service the debt that's attached to them.

11 COMMITTEE MEMBER YEE: Got it. Yeah, that's very
12 helpful. Thank you.

13 Then I have a question related to private equity.
14 We're hearing more and more discussed about these special
15 purpose acquisition companies, or SPACs. And I was
16 curious about -- and these are companies that -- whose
17 sole -- whose sole purpose is to raise capital to take
18 private companies public. And I just want to know kind of
19 what your take is on that, whether that provides an
20 opportunity, or a threat, or a challenge to our private
21 equity investments.

22 MR. McCOURT: Yeah, it's a very interesting
23 phenomenon and maybe I would start there. It seems like
24 just a few years ago, we were commiserating about the lack
25 of public companies and the lack of a robust IPO market.

1 And then all of a sudden, hundreds and hundreds of SPACs
2 are being started, which, on the surface, are simply ways
3 for investors in the public markets to gain access to
4 private investments.

5 How this evolves from here is -- it's really hard
6 to predict. One could make a case that the SPAC
7 opportunity fills a void in the capital markets to provide
8 financing to private businesses that doesn't -- that
9 doesn't exist right now.

10 One could also point to it as evidence of a -- of
11 a bull market, and one of the many signals of excesses in
12 a bull market that tend to occur at the tail end of those
13 markets, as investors are willing to put capital into
14 blind pools for investment. So it's hard to tell.

15 For certainly in the near term, what it means is
16 it provides another source of investment capital to bid up
17 the prices of private businesses. So on the surface, this
18 brings retail -- some retail dollars into a marketplace
19 that traditionally was supplied predominantly by larger
20 institutional investors like yourselves.

21 So we'll -- we don't have a crystal ball. We
22 don't know if the SPAC trend will be a fad or something
23 sustaining in the markets. But certainly in the near
24 term, it's adding to the pricing pressure that we see in
25 the private markets.

1 COMMITTEE MEMBER YEE: Yeah. And I guess are
2 their challenges particularly with respect to the degree
3 of disclosure, you know, by SPACs? I mean, it sounds like
4 they're just kind of out there not necessarily having to
5 make their intentions well known or documented and just,
6 you know, in terms of what their acquisition targets are,
7 and --

8 MR. McCOURT: Right. Yeah, they're blind pools.
9 And they're blind pools that investors -- retail investors
10 are investing in arguably without a lot of the information
11 that larger institutional investors like yourselves have
12 when they commit to blind pools in the private markets.

13 COMMITTEE MEMBER YEE: Yeah.

14 MR. McCOURT: So it does, you know, bring up some
15 concerns about governance and transparency on owning those
16 types of public vehicles for sure.

17 COMMITTEE MEMBER YEE: Yeah. Okay. All right.
18 Thank you. Thank you, Madam Chair.

19 CHAIRPERSON TAYLOR: Thank you, Ms. Yee. That
20 was -- really, I had never heard of those. And I saw Dan
21 nodding his head vehemently, so it sounds like something
22 we're not going to get near for a while, that's for sure.

23 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: No.
24 It's certainly a phenomenon. And I agree with everything
25 that Steve said. I mean, it's a -- it's a phenomenon that

1 we're keeping our eye on. And, you know, Ms. Yee, to your
2 question, it is both an opportunity and a threat. It does
3 give retail investors the opportunity to get to areas of
4 the capital markets that they -- we weren't able to get
5 to.

6 Conversely, it is an area that's fraught with
7 potential misalignment, potential governance issues. You
8 know, there are certainly challenges there. And I will
9 say that we know that the regulators are looking at it
10 closely. And as far as what the future holds if you --
11 you know, you ask the CEO of Goldman Sachs, he thinks
12 it's overblown. If you ask, you know, the CEO -- I'm
13 trying to remember which European bank, but they're kind
14 of going all in and probably everywhere in between. So
15 it's -- you know, it depends on who you ask certainly.
16 And it's certainly something that we're keeping an eye on,
17 but we certainly have our reservations about.

18 CHIEF EXECUTIVE OFFICER FROST: Yeah. I'd just
19 add that I think if you look at the experience of the IPOs
20 over the last couple of quarters, a very large percentage
21 have been done through these SPACs. And so I think
22 what -- one of the things we could offer the Board is an
23 education session on what those are, if the Board would be
24 interest in having that.

25 CHAIRPERSON TAYLOR: I'm seeing some thumbs up on

1 that. I mean, you guys -- we can talk about that later,
2 but definitely we can -- I think my next question is from
3 Ms. Middleton.

4 COMMITTEE MEMBER MIDDLETON: All right. Thank
5 you, Madam Chair. There's been illusions earlier in
6 conversations today to the concept that we are entering a
7 period of time where there is inflationary risk. We've
8 had 20 years of practically no inflation whatsoever.
9 What's your assessments of the probabilities of
10 significantly different inflationary numbers than we have
11 seen in the past, and how should we respond to that risk,
12 most specifically in the real estate market?

13 MR. McCOURT: Great. Let me kind of respond more
14 at the macro level and then I'll hand it over to David to
15 talk about the implications within real estate.

16 The first premise to anything that I or anybody
17 would say about inflation is we have to acknowledge that
18 we are in uncharted territory. The capital markets have
19 not gone through a pandemic period like we've seen over
20 the last year. And we have not seen a series of fiscal
21 and monetary stimulus packages anywhere close to the scale
22 that we're -- that we've seen over the last 12 months and
23 there could be more to come.

24 So the most accurate answer to any question about
25 the future path of inflation is I don't know. We are

1 simply -- we don't enough about how trillions of dollars
2 of stimulus filter its way through the economy to know
3 would impact it might have on prices.

4 What we -- what we know for sure early on is that
5 at least at a minimum, it creates a lot of asset
6 inflation. The stocks, bonds, assets of all type, have
7 gotten a lot more expensive over the last 12 months,
8 largely as a result of the stimulus that's been provided.
9 And that is yet to trickle into consumer inflation.

10 On the consumer inflation side, two things to
11 note. One, for the next few months, you will see headline
12 inflation numbers that look fairly high, but that's not
13 really inflation. All you're seeing is year over year
14 numbers where last year's numbers was -- were depressed,
15 because of the shock to the economy from the pandemic.

16 And so when you compare this year's prices to
17 last year's prices, they're naturally going to look a
18 little elevated, but no serious economist takes that as
19 evidence of sustained inflation in the economy. And in
20 all likelihood, you'll see consumer price increases fall
21 back down to more normal levels through the end of the
22 summer and the fall.

23 What's more interesting to ponder is the
24 potential for inflation to make its way back in a more
25 sustained way into the economy. And that's where we're

1 less certain of whether that will happen or over what time
2 period that might happen.

3 Before handing it over to David, I'll offer the
4 following comments on it, being somebody who's probably
5 more in the camp that if there is inflation, it's likely
6 to be lower than what most people expect and maybe farther
7 out in the future. The main reasons that there's been
8 disinflation in the global economy for the last 40 years
9 are globalization, technological change, demographics in
10 the developed world, and certainly here in the U.S., a
11 declining proportion of the workforce that is covered by
12 organized labor.

13 And none of those four secular forces were
14 changed as a result of the pandemic. So if those four
15 secular forces were what caused inflation to decline
16 globally over the last 40 years, it's hard to -- and they
17 haven't gone away. Globalization is still here.
18 Technological change is still happening. We might very
19 well see those forces push the economy towards continued
20 low prices in the future.

21 And at the very least, I think what it probably
22 means is that whatever inflationary impact the stimulus
23 has, because one would undoubtedly acknowledge there is
24 some inflationary component to it, it might take longer to
25 flow through than people expect. So the short answer is I

1 don't know. Long answer is there's reason to believe that
2 there's going to be some inflation in the very short term
3 that's more cursory. And we'll just have to wait to see
4 if longer term inflation begins to creep into the economy.

5 And I'll hand it over to David to talk about any
6 inflationary commentary related to the real estate
7 portfolio.

8 MR. GLICKMAN: So thank you. I think, Ms.
9 Middleton, you're going to see, when it's safe very high
10 turnout at retail facilities. And therefore, a bulge or a
11 surge in retail sales from pent-up demand that was
12 partially taken up by E-commerce, but doesn't have the
13 same kind of thrill as going and shopping in person.

14 Similarly, another sector in real estate that
15 will experience a surge is hospitality. Most -- CalPERS
16 does not have very many assets in the private real estate
17 portfolio that are hotels or related to hospitality, but
18 that's going to be another place where you might see
19 prices go up, because there's a short-term overdemand
20 compared to the available supply.

21 In general though, I think that there are, as
22 Steve pointed out, an awful lot of larger forces that will
23 ultimately translate into whether or not you can charge
24 higher rent or not. And that's where inflation hits real
25 estate in increased rental rates and increased costs of

1 construction materials.

2 And so at the moment, we don't see a whole lot of
3 new building in most sectors. A couple of notable
4 exception, life science and data center properties. And
5 we are seeing more and more of those, because those are in
6 demand from tenants who wish to expand their spaces.

7 But, in general, I think that there is a
8 correlation -- and I may be getting outside my lane here,
9 but there's a correlation between commentary on deficit
10 spending and borrowings by the government and politics.
11 The debt increased by roughly \$8 trillion over the last
12 four years. And the new stimulus will add 1.9 of new
13 spending to that. There wasn't a whole lot of hue and cry
14 about the first eight billion. There seems to be a lot of
15 hue and cry about that last 1.9.

16 I'm not sure, when it all settles, whether that
17 was the tipping point that drove us to inflation or not.
18 My sense is it, it may not be.

19 Thank you.

20 COMMITTEE MEMBER MIDDLETON: Thank you. That's
21 helpful. And I think all of us are trying to wrap our
22 heads around what is going to happen next. I will say, as
23 a city council member in a tourism retail dominated
24 community, from your lips to God's I hope.

25 Thank you.

1 MR. GLICKMAN: And let's hope she's listening.

2 COMMITTEE MEMBER MIDDLETON: Yes.

3 CHAIRPERSON TAYLOR: I will say I need -- I need
4 a vacation and hotel stay. So just saying.

5 I think that was it on questions. So I guess
6 we're moving on to 8C, CalPERS trust level review from our
7 staff. Dan.

8 Oh, you know what, I hate to do this, but we're
9 over two hours. We should probably take a ten-minute
10 break. It just dawned on me. So how about we come back
11 at 2:23.

12 (Off record: 3:11 p.m.)

13 (Thereupon a recess was taken.)

14 (On record: 3:24 p.m.)

15 CHAIRPERSON TAYLOR: We're going to be at 8C
16 trust level review. And Dan, take it away.

17 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All
18 right. Thank you, Madam Chair. And Jared, it looks like
19 you've got Lauren up here with us, so thank you for -- for
20 doing that as well. So this is item 8C, which is the
21 companion item to 8B. This one being done by your
22 Investment team -- the trust level review by your
23 Investment team.

24 So let's see, can we get the presentation up.

25 (Thereupon a slide presentation.)

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All
2 right. Thank you.

3 So as mentioned, this item is one of two
4 semiannual trust level reviews we conduct each year. The
5 goal of this item is to provide the Committee with
6 information about the portfolios and their performance,
7 some of the key business initiatives designed to support
8 and enhance our Investment program, and then some of the
9 market and economic conditions within which we manage the
10 portfolio.

11 The item has three main parts. I'll start by
12 giving us an overview of the risk positioning and
13 performance of the various trusts. From there, Arnie
14 Phillips will take us through some of the key business and
15 operational dates. And then we'll finish with Lauren
16 Rosborough Watt providing an update on global markets and
17 economic conditions.

18 So with that, let's dig right in. Can we go to
19 the next slide, please.

20 --o0o--

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So
22 let's start with the positioning of the Public Employees'
23 Retirement Fund, or the PERF. And I would say that there
24 are three main takeaways here. First, the PERF's risk is
25 dominated by assets sensitive to economic and corporate

1 earnings growth. Based on our quantitative modeling, 95
2 percent of the risk in the PERF comes from this growth
3 exposure. And this is one of the reasons for the
4 thoughtful work that Sterling and his team are doing as we
5 move through the ALM process, to check our appetite for
6 this risk exposure.

7 The second key theme is that deploying capital at
8 scale into the private assets, while maintaining our high
9 underwriting standard, is a perennial challenge, given our
10 size. Now, this is a challenge that it's critical that we
11 meet, and one we're focused on, given how accretive
12 private assets are to fund returns, but it is a challenge.
13 And currently, this has resulted in the PERF being
14 underweight private equity by about one percent and
15 underweight to real assets by three percent.

16 And the third main takeaway is that current
17 actionable tracking error for the PERF is 26 basis points.
18 Now, please recall our item in November, when Michael
19 Krimm joined us and walked us through what we mean by
20 actionable tracking error, meaning that deliberate,
21 controllable departures from the benchmark undertaken by
22 staff.

23 Now, 26 basis points, or roughly one quarter of
24 one percent, is a relatively modest level of active risk,
25 especially when compared to the total active risk of the

1 portfolio of 1.1 percent, and total plan volatility of
2 11.5 percent.

3 And this actionable tracking error reflects the
4 impact of active strategies across the public markets and
5 portfolio exposures.

6 So as requested by the Committee and as a result
7 of the November discussion, we do plan to propose some
8 changes to the Total Fund Investment Policy in June to
9 update the tracking error definition and limit. And these
10 changes will be intended to really to do two main things
11 as requested.

12 First, to provide a more sensible governance
13 metric for the Committee to use when measuring active risk
14 taken by management, and second, to avoid any
15 disincentives to deploy capital into the private markets
16 that we all believe are so critical in our aim to achieve
17 absolute returns on the assets.

18 Next slide, please.

19 --o0o--

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So
21 on the next slide, we're looking at the performance of the
22 PERF and most of the Affiliate Funds. As we know from our
23 Investment Beliefs, the returns of the various trusts are
24 driven predominantly by their respective strategic asset
25 allocations. And I would say that in general, performance

1 of the various trusts was roughly in line with
2 expectations, with one main exception, and that being the
3 underperformance of the relative -- relative to the
4 benchmark of the PERF across many time periods.

5 And that takes us to the next slide, please.

6 --o0o--

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And
8 on this slide, we can see the returns for the various
9 programs and across various time periods for the PERF and
10 to get a sense of what drove the PERF's overall
11 performance. Now, given our nature as a long-term
12 investor, I'll lead with the ten-year number, which now
13 stands at 8.4 percent and is above our seven percent
14 assumed rate of return.

15 Now, we should bear in mind that this number
16 reflects a strong run up in equity markets toward the end
17 of 2020, but it is encouraging. Now, since this is an
18 annual program review, where we cover calendar year
19 results, I'll move us to the one-year numbers just
20 reminding us to keep in mind that the one-year number we
21 need to keep in context, given our nature as a long-term
22 investor -- or our true nature as a long-term investor.

23 And in terms of absolute return, during calendar
24 year 2020, the PERF earned a 12.4 percent rate of return.
25 And this return came primarily from the equity asset

1 classes, as expected, given our his analysis that we
2 discussed on the first slide. Public equity returned 13.7
3 percent and private equity returned 12.5 percent. And the
4 two together were the primary driver of returns.

5 In addition though, our income assets also had a
6 very strong absolute return, earning 11.7 percent, with
7 particularly strong performance from the treasury segment.
8 And while absolute returns for the PERF were quite strong,
9 excess returns are more challenged candidly, with calendar
10 year returns reflecting underperformance of four basis
11 points relative to the benchmark.

12 This underperformance for the PERF was driven by
13 relative underperformance in the private markets, offset
14 by positive excess return in the public markets, primarily
15 in the fixed income asset class, which continues to
16 deliver very strong active returns across all time
17 periods.

18 So that covers the review of risk and
19 performance. And with that, I'll turn it over to Arnie to
20 take us through some business and operational highlights.

21 Arnie, over to you.

22 --o0o--

23 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

24 Thank you, Dan. So today, I'm going to share
25 some reporting enhancements we've done, take some time to

1 go through our operating model, and end with some major
2 accomplishments from the last year and some future
3 initiatives.

4 So next slide, please.

5 --o0o--

6 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

7 So Dan gave a performance overview. And I want
8 to highlight some performance reporting enhancements our
9 Investment Risk and Performance Group, or IRP made to
10 reflect our one team one fund approach, and improve our
11 visibility of investment and financing activities at the
12 total fund level.

13 The reporting changes are designed to improve
14 transparency and to align with actually how we're managing
15 the assets from a top-down total fund portfolio
16 construction process.

17 A couple of the highlights I would like to note,
18 first off, and very importantly, the economic exposure of
19 the entire PERF has not changed in this new reporting
20 format. The low liquidity enhanced return, or LLER, is
21 now shown as a distinct total fund program, before the
22 assets and the performance were embedded in both the
23 global fixed income and global equity asset classes. So
24 this will provide a clearer view of what's going on in
25 LLER.

1 And total fund financing activities are now shown
2 explicitly at the total fund level. This report now
3 aligns with the total fund focus of the Investment Office,
4 reports along the line of how the assets are managed, and
5 is designed to provide greater clarity and transparency on
6 our liquidity and leverage activities.

7 Next page, please.

8 --o0o--

9 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

10 This slide depicts our operating model. It was
11 originally known for folks that have been around awhile as
12 the targeted operating model. And it's been utilized by
13 the Investment Office since 2011 to identify and manage
14 operational risk.

15 Our investment controls and operation risk team,
16 or ICOR, manages the process and reports quarterly to the
17 Operating Committee, of which Dan and I are both members.
18 Risks have been allocated to 24 different classifications
19 with a weighted average risk level of four, reflecting a
20 mature operational control framework with a majority of
21 functions that -- and activities on average at the low to
22 medium risk level.

23 However, the reality is is that we will never
24 perfect any of these classifications but the goal is to
25 constantly improve.

1 Next page, please.

2 --o0o--

3 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

4 So on this page, we'll go through some of the
5 accomplishments of the past year, and I'll end with some
6 of the things we'll be working on going forward.

7 So as all of us know, the last year we've been
8 working remotely. And it's actually been a great success
9 and really a testament to the collaboration with many
10 teams in the organization, including the executive team,
11 our HR folks, our information and technology team. And
12 the reality is is the Investment Office could not have
13 gone 100 percent virtual in a matter of days and operated
14 as efficiently as we had, if we had to do it alone. So
15 work from home has been a really big success. And
16 everybody that was a part of it deserves a big thank you.

17 Our liquidity and leverage effort in the last
18 couple years actually has been an investment focus. And
19 we've spoken in the past about our liquidity dashboard,
20 and it remains a critical component that allows us to
21 effectively manage our liquidity and leverage positions at
22 the total fund level.

23 The entire office is really focused on and
24 improving in the area of technology and data. It's
25 critical to any investment organization and we are no

1 different. Our trading system's compliance engines,
2 business continuity plans, risk and performance platforms
3 are all intertwined and have benefited from an improved
4 data and technology focus. But this is also an area with
5 large performance improvement opportunities.

6 Finally, we have focused on the people side of
7 our business with a communication focus on the one team,
8 one fund culture, of course, now being done largely
9 virtually.

10 Dan and I lead regular webcasts with the
11 Investment Office. We now have a monthly investment
12 newsletter. Dan or I will send out a weekly update email
13 recapping the week's key topics, and we've even been
14 regularly meeting with small groups of call it ten or so
15 folks to just talk about any topic on their mind and to
16 help answer what's going on in the office.

17 And all of these efforts have been led by our
18 great communications team, led by Don Pontes, Shazia
19 Dawood, Shannon Hoogenbosch, Tara Akkari, and Tiffani
20 Harter. Dan and I just greatly appreciate their efforts
21 to help us improve the communication with our team.

22 As for the future, well, we talked about it
23 today, but the asset liability management cycle will
24 continue to be a big focus for the next year. Obviously,
25 extremely important work as we strive to meet the seven

1 percent return target.

2 As it results to that seven percent target, we
3 will continue to improve our capabilities and our ability
4 to deploy dollars in the private assets.

5 I mentioned it in the accomplishments side, but
6 technology and data strategies are going to remain
7 important to increase our chances of success.

8 And finally, we will continue to focus on our
9 people. The enterprise engagement survey has given us a
10 lot of helpful information that we are going to use to
11 focus and improve the office going forward. We are
12 launching an informal mentoring program. And finally, we
13 recognize that the development of our people is vitally
14 important to our goals and will be a continuous effort.
15 So we intend to relaunch our education and training
16 advisory committee to focus on development opportunities
17 for our staff.

18 With that, I'll stop there and hand it over to
19 Lauren for a quick economic update.

20 INVESTMENT DIRECTOR ROSBOROUGH WATT: Thank you,
21 Arnie. Hello, everyone. So on the next slide --

22 --o0o--

23 INVESTMENT DIRECTOR ROSBOROUGH WATT: -- slide
24 eight, you know, when we come every March, we talk around
25 calendar year 2020, and Tom spoke around the near-term

1 macro situation. So today, I'm going to focus some more
2 on the bigger trends.

3 So as we all know, 2020 moves in the economy
4 outside. Lets use the U.S. as example. In Q2 2020, the
5 U.S. collapsed 31 percent at an annualized pace after a
6 five percent decline in Q1. But it then bounced back 33
7 percent in Q3, and then another four percent into Q4. And
8 you can see on the chart there on the left-hand side, the
9 bar charts, the end of year, the December 2020 figures
10 compared to a year prior, we're down 3.5 percent. Now, in
11 fact, the numbers have been revised higher from there.
12 The U.S. economy is a mere 2.4 percent weaker than
13 December 2019.

14 But in a historical context, the intra-2020 drop
15 in GDP would have been well off the left-hand side of that
16 chart. But because of the speed of the turnaround, the
17 annual return was not significantly outsized.

18 (Inaudible) been global. But for the vast
19 majority of countries, their economies are within ten
20 percent of pre-pandemic levels within six months. And the
21 IMF estimates that world growth will be around three and
22 half percent weaker at the end of 2020 than at the
23 beginning of the pandemic and those numbers are starting
24 to feed through. Will be published as we speak.

25 If we look forward, the OECD recently revised up

1 its world expectation partially on the back of the
2 American Rescue Plan. It anticipates global growth to
3 reach pre-pandemic levels now by mid-2021. Now, you'll
4 recall last year, we spoke around expectations -- market
5 expectations for GDP to reach pre-pandemic levels some
6 time at the end of 2021. And that's certainly been pulled
7 forward.

8 The current macro environment has direct
9 implications for risk. And when I talk about risk, I'm
10 referring to a range of outcomes around an expected
11 returns. And Sterling Gunn today spoke in detail around
12 risk and about returns. So I sort of want to put that
13 into the context of the marco economy and how that sits
14 within a risk framework.

15 One notable feature of the economic downturn that
16 we saw had been the type of shock we experienced. So the
17 chart there on the right-hand side of slide eight shows
18 the annual size of performance in the U.S. activity and
19 corresponding recessions. Over the past 40 years,
20 recessions have typically been the result of a period of
21 extended growth, an over extension in credit, and then a
22 retraction in demand.

23 Whereas, this recession was the result of an
24 external shock, culminating in a drop in supply and
25 demand. So not only is this type of recession different,

1 but, as mentioned earlier, the size, the duration, and the
2 speed. So the recession seems unusual or moral volatile.
3 And in a risk framework, that suggests the expected
4 distribution of potential future outcomes may also be
5 wider.

6 We can see how households view the future by way
7 of the sharp rise in precautionary savings. So in the
8 U.S., the personal savings rate peaked at 33 percent in
9 April 2020. It remains elevated today at 20 percent. And
10 part of that is the inability to go out retail shopping as
11 we -- as the Board spoke around earlier. But nonetheless,
12 base on the levels of unemployment we see in the U.S.
13 economy, precautionary savings still remain relatively
14 elevated.

15 So in the most basic sense, savings reveals our
16 preference for the today over the future. So when times
17 are good, we prefer current consumption over future
18 consumption. But if we have low transparency over the
19 future about how things may pan out, we save more, so our
20 perception of risk has changed.

21 Now, of course, policy support, both monetary
22 policy and fiscal policy are an attempt to temporarily
23 counter these risks, all right? And these policy
24 responses are broadly an extension of the type of support
25 undertaken following the 2008 recession, quantitative

1 easing is a prime example of that.

2 So from a risk perspective, policy support has
3 reduced some of the downsides to economic outcomes and it
4 also mitigated systemic risks to the economy. The issue
5 of temporary nature of policy support implicitly assumes
6 that the relationships between economic indicators are
7 unchanged. We're simply being hit with an unusual shock.

8 But there is a growing debate and we spoke about
9 this in the last Board meeting about whether the
10 underlying process is indeed known. So if the behavior of
11 the economy is not fully understood, then we may see more
12 events that seem unusual compared to recent history.

13 So the question then is, and this is an open
14 question, has the pandemic embedded changes and policy
15 responses that began back in 2008, i.e. is the world a
16 different place or will the pandemic be, when we look
17 back, a larger event, but somewhat stand-alone as the
18 global economy transitions back to something close to
19 normal?

20 And there are other aspects where the policy
21 response is linked to the macro economy and to risk. And
22 once again, these remain open questions. We're posing a
23 lot of questions today. For example, if investors
24 anticipate that central banks will do what it takes, as it
25 were, using this language, will this change investor's

1 behavior towards risk in the future, i.e., so has the
2 price of risk changed or indeed -- or is there now some
3 asymmetry in the distribution of future expected returns.

4 Central Banks are purchasing assets and are
5 reducing high frequency volatility as a result. Could
6 this mean an increase in future macro economic volatility,
7 i.e. could it increase the probability of bigger booms and
8 bigger busts.

9 And another question, what might happen to the
10 relationship between asset class returns over time, while
11 the covariants of returns, if one or more asset class has
12 greater support by the Central Bank with fiscal authority.
13 And as I said, these are open questions, you know, the
14 ones investors and ourselves are going to be grappling
15 with in the years ahead.

16 So as to summarize, you know, 2020 was certainly
17 exceptional in our living history. I have attempted to
18 illustrate today how we think about risk and uncertainty
19 in the context of the macroeconomic environment. And as
20 always, with the macro economy, we don't know -- we don't
21 know the future, but we have an idea of some of the
22 questions that we should be asking. And we do that to
23 ensure the resilience and the performance of the fund to
24 ensure it into the future.

25 That's my prepared remarks. Back to you, Dan.

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

2 Thank you, Lauren. Madam Chair, that concludes
3 our prepared remarks and we're happy to take any questions
4 that you or the Committee may have.

5 CHAIRPERSON TAYLOR: Thank you, Dan. Those
6 were -- I really appreciate all of those presentations.
7 And I am not seeing -- and correct me if I'm wrong
8 anybody, I'm not seeing any questions.

9 So it looks like we are --

10 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I
11 see --

12 CHAIRPERSON TAYLOR: I'm sorry?

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I
14 see Henry with a --

15 CHAIRPERSON TAYLOR: Oh, Henry. Henry.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
17 (Inaudible.)

18 CHAIRPERSON TAYLOR: Okay. Well --

19 COMMITTEE MEMBER JONES: Yeah. Thanks. I could
20 not -- these -- the slide presentation was covering up my
21 chat box. I couldn't hit it, so...

22 Yeah, I just had a question on the terms of the
23 equity market drawdowns over -- from a historical point of
24 view. And then I was just looking at the financial crisis
25 in 2008, and then the pandemic COVID-19 that we

1 experienced. And the drawdown was significantly less than
2 the 2008 crisis. So my question is was it the -- because
3 of the actions we took after the 2008 crisis that
4 mitigated the drawdown or is it just that the COVID-19
5 wasn't as bad?

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

7 Yeah. Thank you for the question, Mr. Jones.
8 And my recollection is it's a little bit of both. But I'm
9 guessing that you're looking at slides 13 in the appendix
10 that shows a smaller pull down.

11 COMMITTEE MEMBER JONES: Yes.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: The
13 one thing to know is that -- is that those are -- those
14 are monthly numbers. So recall that the pandemic's
15 drawdown really started late February, really drew down to
16 March 23rd and then bounced back up. So what you're
17 seeing there is kind of March 1st to March 30th when we
18 had already recovered a little bit. Whereas --

19 COMMITTEE MEMBER JONES: Okay.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

21 Whereas, during the financial crisis, it was much
22 more extended and that's why you're seeing it down and
23 stay down, which speaks to the second part of your
24 question, which was, was the response by, you know, the
25 authorities, both fiscal and monetary policy different?

1 And the answer is, yes, it was much larger and much faster
2 in response to the crisis -- I'm sorry, the pandemic. Now
3 with the crisis, there was a lot of things that were
4 fairly new that were untested. All of those were in place
5 with the pandemic. And so as soon as the pandemic broke
6 out, the authorities, both fiscal and monetary, were able
7 to react in size and quickly.

8 COMMITTEE MEMBER JONES: Okay. Okay. That
9 answers my question. Thank you, Dan.

10 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
11 Absolutely.

12 CHAIRPERSON TAYLOR: Great question, Henry.
13 I do have another question from Controller Yee.

14 COMMITTEE MEMBER YEE: Thank you, Madam Chair. I
15 just had a question on page -- actually, I think it's page
16 264 on the iPad, about the global equity portfolio. I
17 just wanted to find out why the factor-weighted portion of
18 the portfolio recovered more slowly than the cap-weighted
19 segment.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

21 Thank you for the question, Madam Controller.
22 You know, and the answer is really it's a -- it's a
23 different construct of the equity market. So recall that
24 the factor weighted -- that the cap weighted is really
25 just kind of a standard harvesting of the equity risk

1 premium. The factor weighted was put in -- into the
2 portfolio to have some characteristics that are different
3 from that cap weighted, one of which is being somewhat
4 more defensive.

5 So it experienced less drawdown. If my
6 recollection serves, the cap-weighted portfolio was down
7 over 30 percent, whereas factor weighted was only down --
8 not only, but it was down maybe 25, 26 percent. But then
9 the converse was also the case, that when the cap weighted
10 bounced back as quickly as it did, the factor weighted
11 bounced back more slowly.

12 COMMITTEE MEMBER YEE: I see. Okay. And then
13 just a question with respect to the staff. Given the
14 limited ability to travel, has that presented any
15 challenges in terms of doing the -- conducting the due
16 diligence on any of our potential investments,
17 particularly in the private assets classes?

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: You
19 know, I guess -- I guess I would say -- I would say, you
20 know, yes and no. I have been just incredibly happy with
21 how well the team -- you know, and Arnie spoke to it. The
22 technology team under Christian Farland's leadership,
23 the -- you know the entire organization under Marcie's
24 leadership really pivoted quickly and was able to stay
25 productive. And I have been just really proud and

1 impressed by how the team has been able to just figure out
2 alternate ways to do things.

3 That said, when it comes to say something like
4 operational due diligence that happens within ICOR on
5 Kevin Hirst's team, it's hard to really kick the tires
6 when you're not present.

7 COMMITTEE MEMBER YEE: Yeah.

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So
9 certainly we're doing it virtually, certainly we
10 definitely believe the risks are controlled, but I think
11 that there will be a balance. And once -- you know, once
12 it's safe and we can travel again, I do think that, you
13 know, speaking to what the Meketa folks and David Glickman
14 said on the, you know, real estate, I do think there will
15 be some pent-up demand for travel and there will -- there
16 will be some business travel that will be needed also.

17 COMMITTEE MEMBER YEE: Yeah. Thank you.

18 CHIEF EXECUTIVE OFFICER FROST: And, Dan, don't
19 you think generally we've been cautious of new
20 relationships in this period of time, just because we
21 can't do the appropriate due diligence Under normal
22 circumstances. So, you know, just leveraging our existing
23 relationships over the last year has really been the
24 course.

25 COMMITTEE MEMBER YEE: That's great.

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

2 Agreed. I would say leverage. And, you know, we
3 do -- we are trying to underwrite new relationships
4 knowing that we need them, both in the private debt space
5 and then also in the -- in the private equity space, you
6 know, in terms of, you know, better diversifying the
7 private equity portfolio. But, yes, it's definitely the
8 case that we've really leveraged our relationships to try
9 to do sort of indirect due diligence, go with, you know,
10 highly reputable organizations that we think we have some
11 intelligence on, because it -- that has been probably
12 where the challenge has been presented. And certainly, we
13 think we've controlled the risks, but I do think that
14 we'll probably -- there will probably be a snapback in
15 travel when the time comes.

16 COMMITTEE MEMBER YEE: Okay. Okay. Appreciate
17 that. Thank you. Just great work from -- by everyone.
18 Thank you.

19 CHAIRPERSON TAYLOR: Thank you. Thank you,
20 Lauren. Thank you, Arnie.

21 We're moving on to 8D, proxy voting. I'll hand
22 it to you, Dan. I imagine you're handing it to Anne.

23 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

24 Terrific. Yeah, we actually have, I think -- I
25 don't see Anne yet. If we can get Anne Simpson forward,

1 that would be great. And we have Simiso with us to lead
2 this one. So I -- and I do see that we've got Simiso.
3 Let me get to my notes very quickly.

4 So yeah, this takes us to Item 8D, which is where
5 we'll give an update on our proxy voting and corporate
6 engagements that happened. As we talked about it earlier,
7 proxy voting and corporate engagements are really a key
8 part of our investment strategy. So with the 2021 proxy
9 season approaching, we wanted to take a moment to both
10 share our priorities for this coming proxy season, but
11 then also share some of our outcomes from the 2020 proxy
12 season.

13 So with that, I'll turn it over to Simiso to lead
14 us off and we'll take it from there.

15 Simiso, over to you.

16 CHAIRPERSON TAYLOR: Thanks, Simiso.

17 INVESTMENT DIRECTOR NZIMA: Thank you, Dan.

18 Madam Chair, good afternoon. Members of the
19 Investment Committee, Simiso Nzima, CalPERS staff.

20 If we could have the presentation up, please.

21 I'm just waiting -- waiting for the slides to be
22 put on the -- so I can walk you through that. I don't
23 know whether we're having technical issues with that,
24 so...

25 (Thereupon a slide presentation.)

1 INVESTMENT DIRECTOR NZIMA: Well, I can proceed
2 without the slides. I'm assuming the Board members you
3 have the -- you have slides on your iPad, so I can -- I
4 can proceed without the slides up on the -- but the -- if
5 you look on slide two --

6 --o0o--

7 INVESTMENT DIRECTOR NZIMA: -- in terms of the
8 looking forward to the 2021 proxy season outlook. Really,
9 the things that are there are things that you have seen
10 before, because really we are still sticking to the
11 five-year sustainable investment strategy plan, which the
12 Investment Committee adopted in August 2016. As you can
13 see, really the four items that I put out there, those are
14 the co-activities that we're actually dealing with and
15 looking at. It doesn't mean those are the only things
16 that we're doing. We actually have a lot of work under
17 this workstream.

18 But really corporate board diversity and climate
19 action, those two are -- you know, are in our sustainable
20 investments strategy plan. And then executive
21 compensation is something which really is about alignment
22 of interests, which is really, really important to us as
23 an investor. And then investor rights, that's something
24 which gives us the ability to hold boards accountable.
25 And in there I list two things which is proxy access and

1 majority vote for director elections. And those are
2 things that CalPERS has been pushing companies to adopt
3 and even advocating in terms of the regulators and so
4 forth to have those in place, because those are the only
5 ways that give us the ability to hold boards accountable.

6 If we move on to the next slide, which is the one
7 that looks at the 2020 proxy season outcomes.

8 --o0o--

9 INVESTMENT DIRECTOR NZIMA: So if you look at
10 that slide really -- let me see, I moving my slides as
11 well. If you look at that slide really all we're talking
12 about here is about Board accountability. And this is
13 really important. Again, board accountability forms the
14 foundation of what we do here at CalPERS. When we're
15 investing in these companies, we're investing in companies
16 because we're trying to earn a return. And with that
17 return, we -- because we invest in so many companies, we
18 can't be sitting on those boards at all those companies.
19 We have other people sitting on boards and we have to hold
20 them accountable for that.

21 So in terms of those items, really starting with
22 enhanced compensation, if you look on compensation, we
23 voted against 51 percent of say-on-pay plans. But these
24 say-on-pay plans again these are advisory votes. They're
25 not -- they are not binding to companies. Even if you

1 vote against them, the company can decide to ignore that.
2 So what we did there is that we actually started voting
3 against compensation committee members. And as you can
4 see, we voted against -- we voted against 3,400
5 compensation committee members this past proxy season.
6 This again is to hold them accountable for that
7 misalignment between pay and performance.

8 And we didn't just stop there from voting against
9 the compensation committee members. We then brought to
10 these companies, to the compensation committee chairs, as
11 well as, you know, board chairs, to say wanted to have
12 meetings with them to explain why we voted against them.
13 So we wanted absolute transparency in this issue, while
14 we're holding them accountable.

15 The second thing is on the -- oh, now we have --
16 now we have the slides. So on slide three, the
17 improvement on corporate board diversity.

18 So again, here if you look at the work that we
19 have done, 65 percent of the companies that we engage
20 since 2017 have ended elements of Board diversity that
21 they didn't have. And going back to the issue of
22 accountability, as you can see, we voted against over two
23 hundred and -- two hundred directors where our engagements
24 had not been constructive.

25 So really the number of votes against directors,

1 as you can see, have been trending downwards. So if you
2 look at 2018, we voted against 468 directors on corporate
3 board diversity. And now the number is more than -- it's
4 just less than half that. So a decrease in this number is
5 a positive thing. It means that companies are actually
6 adding diverse candidates to their boards.

7 And then on climate change, I just want to spend
8 a moment to talk about this, because this shows the value
9 of engagements, and just to give you the timeline, and we
10 use the case in point in ExxonMobil. And in May 2020 at
11 the AGM we actually voted against members of the Board who
12 sit on the public issues and contributions committee,
13 which is the committee that oversees climate change at
14 ExxonMobil. We voted against them, because they're not
15 disclosing Scope 3 emissions.

16 And then in August 2021, we actually followed
17 that up by filing a shareholder proposal asking the
18 company that it actually disclose its Scope 3 emissions.
19 So this proposal was supposed to be voted in the company's
20 AGM in May this year. And at the start of this year in
21 January, the company disclosed Scope 3 emissions for the
22 first time ever.

23 So again, this shows our approach in terms of
24 this work. We engage privately and confidentially. If we
25 don't see any results, we use our investor rights to hold

1 boards accountable by voting against them. And if that
2 doesn't help, we also file a shareholder proposal to get
3 the company to do some of the things that we are asking
4 for.

5 So I won't go into -- into the appendix. There's
6 a lot of more information in the appendix, including slide
7 12, which is the last slide, which actually includes the
8 links to our website. Our website has a lot more
9 information than this item and all the things that we're
10 actually doing. So I'll stop here and we'll take any
11 questions.

12 CHAIRPERSON TAYLOR: Sure. Simiso, thank you
13 very much. Hold on one second. I'm trying to get -- oh,
14 there it is -- all my questions up.

15 So I -- first of all, thank you very much,
16 Simiso. I had a question on the ExxonMobil withdrawing
17 the shareholder proposal. So they disclosed their Scope 3
18 emissions. Does that guarantee they're going to continue
19 to do that?

20 INVESTMENT DIRECTOR NZIMA: They will continue to
21 do the disclosure on an annual basis. And they actually
22 came out with an 8-K filing in December 2020 to say that
23 they would start disclosing that. And this has been an
24 issue -- it was an issue for a long time, which a lot of
25 investors were raising with the company, and the company

1 wasn't willing to disclose those emissions.

2 CHAIRPERSON TAYLOR: Okay. And what are you
3 looking forward to -- I mean, it looks like we do our
4 proxy voting kind of on the same things. The company
5 amount -- I mean, the amount of proxies we file - I think
6 what was it - on the corporate board diversity is going
7 down. So I kind of -- I'm -- I think that's a really good
8 thing. But at the same time, I feel like that's not
9 enough. And I think I've asked this before, if we could
10 get -- and I know this is a hard one, but if we can get
11 statistics for some of these corporations and their racial
12 makeup. And I know this is difficult, but I think it's
13 important that we do more for the board diversity.

14 I mean, it can't just be board diversity, right?
15 We also have to be loaning to diverse managers. We have
16 to be making sure those corporations are promoting folks
17 throughout the -- their corporation.

18 So is there anything -- I know you're talking
19 specifically about proxy voting, but is there anything we
20 do on that?

21 INVESTMENT DIRECTOR NZIMA: Yeah. There is.
22 I'll let Anne, as Anne has her hand up, I'll let her speak
23 first and then I'll end if there's anything else that I
24 need to be add.

25 CHAIRPERSON TAYLOR: Okay. Thank you.

1 MANAGING INVESTMENT DIRECTOR SIMPSON: Thank you
2 very much for the question, Chair. And thank you, Simiso
3 for the presentation of all this wonderful work that you
4 lead. It's so important.

5 The Board will recall that we have three channels
6 in our strategy for sustainable investment, one of which
7 is engagement. And that's this tremendous work that
8 Simiso has just presented.

9 The second is integration. And that's going
10 to -- you're going to hear more about this when Brad and
11 Marlene present to you the diversity, equity, and
12 inclusion framework, which covers our investment strategy
13 for integration.

14 The third piece, really important, is advocacy.
15 Because at the moment, we simply don't have the data, the
16 corporate reporting that enables us to track what's really
17 going on with diversity and inclusion. And I think you
18 will have seen James Andrus gave testimony two weeks ago
19 to a subcommittee of the House Financial Services
20 Committee on this. And CalPERS is going back on Thursday
21 to give another round of testimony, specifically on the
22 issue of data around diversity and inclusion.

23 And we've been in this miserable situation of
24 looking at people's names, trying to peer into
25 photographs. There's really not an acceptable way to

1 understand the talent that you have on the board. But
2 we've also been at the forefront through the SEC and also
3 internationally in arguing that we don't just need
4 diversity and inclusion being reported on at the level of
5 the Board, we need this right through the company, and
6 also health and safety, and also working conditions, and
7 also contractual status, because we're not going to get to
8 the inclusion part of this agenda, unless we understand
9 much more about the economic conditions.

10 You know, companies say that people are our
11 greatest asset. Well, if we're the investors in those
12 companies, then we really need to understand not just the
13 asset that people are in the company, but also understand
14 some of the risks. And COVID has made that brutally
15 clear.

16 So I think these three channels all supported by
17 partnerships really give us the full scope of the
18 approach. But today, we're focusing on the proxy voting
19 bit, of course.

20 CHAIRPERSON TAYLOR: I appreciate that, Anne.
21 And I want -- I wanted to also say congratulations to
22 James on his testimony. Great job. I did look at it.
23 And he's going back, so awesome, so we've got more work to
24 do in front of Congress. That's awesome.

25 INVESTMENT DIRECTOR NZIMA: Well, I was going

1 to -- I was going to add, Madam Chair, if you don't
2 mind --

3 CHAIRPERSON TAYLOR: Sure.

4 INVESTMENT DIRECTOR NZIMA: -- that the ease --
5 this bill was introduced in the Senate called Improving
6 Corporate Governance Through Diversity Act of 2021 by
7 Senator Bob Menendez. And this is actually -- is the
8 seventh bill which actually passed the House in 2019,
9 which got bipartisan support in the House. And it will
10 request -- it will require companies to disclose the
11 racial, you know, gender, ethnic, and racial status of
12 their board members.

13 So if this bill goes through, then again this
14 will be -- provide a tailwind in terms of getting that
15 data that we're getting -- we're looking for. So it's the
16 same bill that passed the House in 2019. It now is coming
17 from the Senate. And if it passes the Senate, then it
18 will most likely pass the house, because it got bipartisan
19 support.

20 CHAIRPERSON TAYLOR: That's fantastic. Well,
21 bipart -- and got bipartisan support in the House in '19?

22 INVESTMENT DIRECTOR NZIMA: It did.

23 CHAIRPERSON TAYLOR: Oh.

24 MANAGING INVESTMENT DIRECTOR SIMPSON: And
25 CalPERS has supported this. Just say CalPERS is on the

1 record for the House and the Senate in that arena.

2 Thanks, Simiso.

3 CHAIRPERSON TAYLOR: Thank you very much, both of
4 you.

5 Also, I am not sure, Rob, did you want to state
6 what you wrote or did you want to leave it there?

7 I don't know if he heard me.

8 COMMITTEE MEMBER FECKNER: I heard you. I don't
9 know if you can hear me or not, but I just wanted to say
10 that I saw Simiso on a panel at the CII conference, a
11 virtual conference this last week and he did a great job
12 representing CalPERS, so I just wanted to put that out
13 there for everyone.

14 Thank you.

15 CHAIRPERSON TAYLOR: Great job. Thank you,
16 Simiso.

17 INVESTMENT DIRECTOR NZIMA: Thank you.

18 CHAIRPERSON TAYLOR: Stacie.

19 COMMITTEE MEMBER OLIVARES: Thank you, Madam
20 Chair. Simiso, this is very helpful to hear, and so a
21 great overview. I want to know if we're looking at the
22 correlation of investment of company performance along
23 with board diversity, or C-suite diversity.

24 I know there's not a lot of data out there. And,
25 Anne, you probably have some answers to this too, but I'm

1 wondering if we're tracking this or what initiatives we're
2 taking right now.

3 MANAGING INVESTMENT DIRECTOR SIMPSON: I can say
4 something about SIRI 3, Simiso, if that's helpful. So,
5 yes, you're absolutely right, we're caught in a trap. We
6 have an insight and some evidence that human capital
7 management really matters. That's in CalPERS Investment
8 Beliefs. And also specifically the diversity and
9 inclusion are markers for performance, high performance
10 and also low, but we don't have consistent data.

11 So we did, as part of the sustainable investment
12 research initiative round one, round two review all the
13 evidence that was out there. However, with the focus on
14 racial equity and inclusion coming to the fore, and us
15 having even less by way of information, we've issued a
16 Request for Information to get research proposals in, both
17 on this question, but also an emerging issue in climate
18 change, which is looking at what we can learn from
19 research around the question of capital allocation. And I
20 know that's something you've been interested in.

21 So we've had about just under 20 proposals in.
22 And Nelson Da Conceicao, who leads our research team in
23 this arena, we're going to sit down to review these and
24 we'll be commissioning a new round of research, because,
25 you know, we've got these broad-brush conclusions about

1 the impact on performance, but we need to -- we need to
2 drill down into what specifically is going to make the
3 difference.

4 Thank you. I don't know if Simiso wanted to add
5 anything to that.

6 INVESTMENT DIRECTOR NZIMA: And so there is a
7 growing body of evidence. I mean, MSCI has done some
8 studies. A lot of the studies are around gender, because
9 that's the data that's available. And it does look --
10 some of this does look both at the C-Suite as well as the
11 Board. And there is correlation. And obviously, you
12 know, correlation is not causation, but that correlation
13 shows that companies are -- which are diverse tend to do
14 better operationally, financially, you know, in terms of
15 risk taking, in terms of investment, and, you know, invest
16 in R&D, and all those respects.

17 So the data showing the correlation is there.
18 Maybe it's just more focused on, you know, gender, because
19 that's the data that's available. But as we get more
20 disclosure around race and ethnicity, I think that's going
21 to be helpful as well and we'll take that into account.

22 MANAGING INVESTMENT DIRECTOR SIMPSON: Yeah. I
23 just wanted to add another thought and it's back to our
24 strategy, which is advocacy, engagement, integration. But
25 the partnerships piece of this work, it's just

1 fundamental. So I think one group that was launched last
2 year, which CalPERS was very honored to be invited to join
3 through our Chief Executive, Marcie Frost, and more
4 recently Fiona Ma was invited as the Treasurer of
5 California, is the Vatican's Council for Inclusive
6 Capitalism.

7 And I think this idea that inclusion needs to be
8 a fundamental part of our understanding in Finance, this
9 is -- this is groundbreaking. And for this initiative,
10 which is supported by some of the world's most influential
11 chief investment officers and chief executives, really
12 shows that at the highest level this work is coming to the
13 fore.

14 So I think we're all incredibly proud that
15 CalPERS is part of that work. And having Pope Francis to
16 sprinkle some Holy Water on these ideas can only be a good
17 thing. He's a wonder ambassador for this agenda on a
18 multi-faith basis. And we really see great potential,
19 because that initiative is also working out the framework
20 that we need in terms of not just the data, but the
21 practices and the implementation.

22 COMMITTEE MEMBER OLIVARES: Great. Thank you,
23 both.

24 CHAIRPERSON TAYLOR: Thank you, Anne and Simiso.
25 Thank you, Ms. Olivares.

1 Next question is from Ms. Paquin.

2 ACTING COMMITTEE MEMBER PAQUIN: Thank you, Madam
3 Chair. Thank you so much for the report, Simiso. I
4 appreciate it. It's really interesting. I think the data
5 shows that you presented to us over the past three years,
6 the impact of the executive compensation tools that you're
7 using now and how you're analyzing that. And I'm just
8 curious if you've seen executive comp starting to trend
9 differently, in general, since there's been a little bit
10 more disclosure, a little bit more focus and what your
11 thoughts are on that.

12 INVESTMENT DIRECTOR NZIMA: Thank you for the
13 question. The answer is not yet. And the reason why I'm
14 saying not yet, if you recall that initially, the
15 say-on-pay was themselves really an advisory vote. And
16 when board members don't feel they can be held
17 accountable, they do not necessarily change their actions.
18 And that's why we decided, starting with the 2020 proxy
19 season, to start voting against compensation committee
20 members on this issue, because at that point, then people
21 actually start to take this issue seriously.

22 And to give you just an example is when we have
23 our normal proxy calls with companies, you know, the
24 off-season proxy calls, we typically have five percent of
25 board members on those calls.

1 For executive compensation calls, which we've had
2 over 300 meetings with companies. And as the slides
3 points out, there were a 35 percent response rate as of --
4 as of December, which is over almost 450 companies, for
5 those calls we actually have 50 -- around 50 percent of
6 the meetings, we have a member of the board, either the
7 board chair, or the chair of the compensation committee,
8 or, you know, other members of the compensation committee.
9 And those discussions tend to be, you know, sort of more
10 engaging and straight to the point, as compared to when
11 we're having discussions with investor relations or
12 general counsels who then have to take it to the -- to the
13 board.

14 So if you're actually talking to someone who's
15 representing your interest on the board, those discussions
16 tend to be different. We expect to see that having an
17 impact and going forward. And speaking of the CII panel,
18 which I was on, this is one of the things that we've been
19 encouraging other investors to say if you're not happy
20 with the pay that is out there, which is not aligned in
21 performance, they should start voting against directors.
22 They should start voting against compensation committee
23 members. That is the only way we can get the chance.
24 That is the only way we can drive results.

25 So from our discussions, our discussions have

1 been really open and frank. And we're hopeful that we'll
2 start seeing some change, but it tends to be a more
3 market-wide approach. It can't just be CalPERS. We only
4 hold about roughly 50 basis points of every company on
5 average. So we need all other investors to start, you
6 know, voting against directors or this issue.

7 ACTING COMMITTEE MEMBER PAQUIN: Thank you.

8 CHAIRPERSON TAYLOR: Thank you, Simiso.

9 Mr. Miller.

10 VICE CHAIRPERSON MILLER: Okay. I thought Ms.
11 Middleton was ahead of me there, but --

12 COMMITTEE MEMBER MIDDLETON: That's okay.

13 CHAIRPERSON TAYLOR: You have a comment that
14 said -- oh, I see. You were making a comment about Anne
15 at CII. I see. Oh, well, then I will -- if you want, I
16 will go to Ms. Middleton.

17 VICE CHAIRPERSON MILLER: And then I have a
18 specific comment after her, so...

19 CHAIRPERSON TAYLOR: Okay. But congratulations,
20 Anne. You did very well at CII. I guess you were the
21 keynote speaker, so thank you very much.

22 Go ahead, Lisa.

23 COMMITTEE MEMBER MIDDLETON: All right. Thank
24 you Madam Chair. And first, Simiso, Anne, let me add my
25 congratulations and my deep appreciation for the work that

1 you both have done.

2 Could you describe what success, if any, we have
3 seen in efforts to increase LGBTQ diversity on corporate
4 boards and in C-suites. And most particularly have we
5 seen any success in obtaining any metrics in this area?
6 Thank you?

7 MANAGING INVESTMENT DIRECTOR SIMPSON: Yeah, I
8 can add something from a couple of years ago, Ms.
9 Middleton, which was a very important piece of research
10 that was presented to the Board, which came from Credit
11 Suisse, if I recall correctly. And what it showed --
12 their head of research at that point she set out some
13 interesting work, whereby companies that had either
14 C-suite or board members who were openly declaring their
15 gender identity and sexuality and status were associated
16 with outperformance -- financial performance. And one of
17 the explanations of that is that if you create an
18 environment of inclusion, then people feel comfortable in
19 being able to -- you know, not feeling the need to hide
20 who they are.

21 And so therefore, I think this was actually a
22 really important piece of work. The sensitivity in the
23 discussions that we're having is self-identification is
24 the critical point here, in order to protect people's
25 privacy and to make sure that individuals are in control

1 of what is, you know, understood about their particular
2 status.

3 With race and gender, likewise, we are supporting
4 this being done on a self-identification basis, because we
5 don't want this turning into some sort of box ticking
6 exercise, which is not in the spirit of inclusion.

7 But anyway, Simiso, is there -- and, of course,
8 thank you following you specifically raising this with
9 management quite recently. The definition of diversity
10 that we have for our engagement with regulators and also
11 with companies has now been expanded to include sexual
12 orientation and gender identity, which I think is a very
13 important improvement on the language that we had. But,
14 Simiso, would you like to add to that?

15 INVESTMENT DIRECTOR NZIMA: Yeah. I think you
16 covered it well. And I think the issue is the data
17 availability and the fact that it has to be self --
18 voluntarily self-identified, in terms of the different
19 aspects, but -- of diversity. But what we've done is --
20 Anne mentioned is that, you know, we share with companies
21 our definition of diversity, which is broad, which
22 includes all aspects of diversity.

23 And we are hopeful that more and more people
24 start self-identifying and that voluntary data is
25 available. You know, with the Equilar Diversity Network,

1 for example, we're seeing a lot more partners joining the
2 Equilar Diversity Network, which is what houses our 3D.
3 And it is our hope that as people join, they also
4 self-identify. And even on race and ethnicity, we're
5 actually seeing people not self-identify on those -- on
6 those aspects as well. So it's a challenge to have any of
7 that data available.

8 COMMITTEE MEMBER MIDDLETON: All right. Again,
9 thank you for your work. If I could add one comment. And
10 I've heard many conversations around this issue of privacy
11 and the need to self-identify. In 2021, if an individual
12 is working in a large organization and believes that they
13 are frightened, or reluctant to self-identify, it is a
14 crimson red flag that that organization is in severe
15 trouble in terms of its commitment to diversity inclusion.

16 Thank you.

17 CHAIRPERSON TAYLOR: Thank you, Ms. Middleton. I
18 agree.

19 Mr. Miller.

20 VICE CHAIRPERSON MILLER: Yeah. Thank you.
21 Great presentation Simiso and Anne. And I enjoyed the CII
22 conference. And one of the things that I noticed when
23 they did the -- they did kind of a little kind of a
24 round-robin wrap-up of proxy voting stuff from various
25 members and organizations. And one of the things that I

1 heard, I can't remember exactly who it was, mentioned, and
2 it's something I've been very interested in for a long
3 time, was not just looking at, you know, greenhouse gas
4 emissions. And I'm glad to see Exxon has been responsive
5 to our entreaties there, but they were actually looking at
6 engaging on releases of, you know, hazardous and toxic
7 substances, particularly to EJ communities, which to me,
8 in some ways, gets completely lost in the shuffle, when we
9 think about global climate change as being the big target.

10 But at the same time, the incredible amount of
11 toxic and other hazardous pollution that's going into our
12 planet is and has been a problem for, you know, since way
13 before Love Canal. And so I was -- I found that
14 interesting. It's one of the first times I've ever heard
15 an institution mention that they had that focus, which has
16 been a huge focus for the environmental communities and
17 government here in the U.S, particularly in California,
18 but also in some of the European countries. And it is a
19 huge problem in much of the developed and developing
20 world, particularly China and some other countries.

21 So I just wanted to make that comment. And
22 it's -- there's more to pollution than greenhouse gas
23 emissions.

24 MANAGING INVESTMENT DIRECTOR SIMPSON: Yeah.
25 Maybe I could -- thank you, Mr. Miller, for the kind words

1 and also for this important observation. When the first
2 science was really mapped out around this concept of
3 planetary boundaries, this was the idea there actually are
4 physical limits to what the planet can cope with. And
5 greenhouse gases are just one of the nine. You know,
6 there's nitrogen runoff, there's plastic -- single plastic
7 use waste, antibiotics, hormones. So this whole question
8 of sustainability certainly has a much broader range, as
9 you rightly say.

10 The focus on the greenhouse gases is because this
11 is something we can't postpone. There's a time limit to
12 the warming, which can then trigger all these other
13 impacts. So I think when we were developing our strategic
14 plan five years ago, it was like we have to focus on
15 something which is time bound, where we need results. And
16 I think the work Simiso is talking about is Climate Action
17 100+ shows we're making progress.

18 But one of the questions we've been asked by
19 other groups is could we use a Climate Action 100+ model
20 to tackle other issues on these planetary boundaries, like
21 single use plastic, nitrogen and so forth? And the answer
22 is yes. And, you know, please, you know, other investors
23 who've got insight into this have got an opportunity to
24 move on it. And we will be -- we will be supportive,
25 because we pick these issues up in CalPERS principles in

1 some detail.

2 The other thing I wanted to mention is that in
3 terms of guessing this integrated approach on
4 environmental and financial issues, we've developed -- we
5 spent nearly two years doing it, but we've developed and
6 just launched the benchmark for tracking companies
7 progress in response to Climate Action 100+. There are
8 ten elements, which include financial measures like CapEx,
9 but also the various other measures that need to be taken
10 on the financial front, as well as operational, and as
11 well as having a placeholder for this concept of the "just
12 transition", which is where our diversity and inclusion
13 work are in capital markets -- sorry, human capital
14 management work really connects with our environmental
15 work.

16 So I think that benchmark is a good example of
17 how you can, in an organized, approach these sorts of
18 issues, but you're absolutely right to flag them.

19 VICE CHAIRPERSON MILLER: Yeah. I very much
20 appreciate that. And one of the things, as, you know, 30
21 plus years in environmental regulation, we've kind of
22 learned is that companies that are not doing well on -- in
23 terms of compliance, even public record stuff, on water
24 pollution are also screwing up on air pollution, they're
25 also screwing up on hazardous waste, vice versa. If you

1 come into it from the worker safety side, you also then
2 look around and start finding environmental safety issues
3 and violations of hazardous waste law, et cetera. And you
4 look a little further and you'll start seeing they're not
5 doing their disclosures. They're not -- they're all kind
6 of indicators of a corporate culture that leads to
7 performance issues, that leads to impacts on risk, and
8 risk for investors as well.

9 So it's -- as you say, it's all integrated. It's
10 all linked. It's just what thread do you start pulling on
11 to get to it? I think I'm encouraged in the longer run
12 that we'll have more avenues, because the companies that
13 are not doing well with integrity, whether it be on the
14 environmental regulatory side, or pollution, or greenhouse
15 gas, or worker safety, or financial reporting, it's all
16 out of the same less than optimal corporate culture that
17 allows those kind of things to go on.

18 And even as far as just not having real strong
19 pollution prevention programs, you also find that they
20 often also don't have real good process improvements or
21 organizational improvement, and they're creating more
22 waste than they need to, and they're not as efficient in
23 their manufacturing. So it's all connected and I'm glad
24 we're seeing more of a holistic approach to the whole
25 subject.

1 CHAIRPERSON TAYLOR: Thank you, David.

2 It looks like, Simiso, I think we're done here.
3 I don't think I have any other questions. Anne, Simiso,
4 thank you so much for your presentation, as usual. It was
5 amazing.

6 Our next -- we're moving on to our next item,
7 which is an action item, our five-year divestment review.
8 That's 9A. And I'm throwing it back to you, Dan.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All
10 right. Thank you, Madam Chair. Yes, and definitely
11 thanks to Simiso and to Anne for the update, and really
12 also thanks to Simiso and his team for all of the
13 progress -- I mean, all of the progress around Climate
14 Action 100+, corporate board diversity, executive
15 compensation. That's the result of hundreds, and hundreds
16 and hundreds of phone calls and meetings with both peers
17 and portfolio companies. So, you know, we see the results
18 quickly. It comes from a whole lot of work. So really
19 great work by the team.

20 And we know that these are critical efforts in
21 support of our mission of managing the investment
22 portfolio in an efficient and risk-aware manner to
23 generate returns to sustainably pay benefits.

24 So, as you say, with that, we find ourselves at
25 our last agenda item of the day. And this is an action

1 item on our every five-year review of CalPERS divestments.
2 I saw that Christina Gogan was brought forward. If we can
3 make sure that Anne stays forward. And then can we also
4 please bring Nelson Da Conceicao, Daniel Ingram, and Steve
5 Foresti from Wilshire to have available for questions.

6 And with that, Christine, I will turn it over to
7 you to take us through the item.

8 (Thereupon a slide presentation.)

9 INVESTMENT DIRECTOR GOGAN: Very good. Good
10 afternoon, ladies and gentlemen of the Investment
11 Committee. Christine Gogan, CalPERS Investment Office.

12 I'm here today to present the five-year review of
13 the active divestments called for in the Total Fund
14 Investment Policy. You'll recall in November 2020,
15 Wilshire presented their annual review of divestments.
16 The five-year review that I will be presenting is the work
17 product of a multi-disciplinary team, including the
18 efforts of the Investment Controls and Operational Risk
19 Team, the Research and Strategy Group, the Corporate
20 Governance team, the Board Governance and Sustainability
21 Group, the Legal Office, and the Board's consultant,
22 Wilshire.

23 Team members, as Dan mentioned, from each of
24 these groups will be available to address questions the
25 Committee may have at the conclusion of this presentation.

1 So if we could flip the page two of the
2 presentation.

3 --o0o--

4 INVESTMENT DIRECTOR GOGAN: There you go. Thank
5 you very much.

6 The Total Fund Investment Policy requires that at
7 least once every five years, CalPERS presents a review of
8 the active divestments, including an economic analysis of
9 the risks and return impacts on the portfolio, and present
10 this analysis to the Committee for determination as to
11 whether continuation of the divestments is consistent with
12 fiduciary duties.

13 If we could now move to page three.

14 --o0o--

15 INVESTMENT DIRECTOR GOGAN: Thank you.

16 Page three presents the five active divestment
17 mandates and groups them according to whether they are
18 Board-directed mandates or legislatively-directed
19 mandates. I wanted to briefly describe each of the five
20 active divestment mandates before we turn to the economic
21 analysis.

22 So first, the two Board divestment mandates are
23 tobacco, which has been in effect since the first quarter
24 of 2001 and applies to companies whose primary business
25 includes the production and sale of cigarettes.

1 Second, firearms, which has been in effect since
2 the second quarter of 2013, applies to assault style
3 weapons that are illegal for sale to private persons in
4 this State of California.

5 Next, I'd like to describe each of the three
6 legislative divestment mandates. First, the Sudan Act,
7 which has been in effect since the third quarter of 2010,
8 applies to statutorily specified active business
9 operations in Sudan that include oil-related activities,
10 or energy, or power-related operations, or contracts with
11 another company with business operations in the oil,
12 energy, and power sectors of Sudan.

13 The second legislative divestment mandate is the
14 Iran Act, which has been in effect since the third quarter
15 of 2011 and applies to statutorily specified investments
16 in the energy sector in Iran, including companies that
17 provide oil, or liquefied natural gas tankers, or products
18 used to construct or maintain pipelines used to transport
19 oil or liquefied natural gas.

20 And the fifth investment mandate is thermal coal,
21 which has been in effect since the third quarter of 2017,
22 which prohibits CalPERS from investing in public equity or
23 debt securities of publicly-traded companies that generate
24 more than 50 percent of their revenue from the mining of
25 thermal coal.

1 In connection with our ongoing monitoring,
2 CalPERS has continued to engage companies regarding their
3 plans to bring revenues from the mining of thermal coal
4 below 50 percent. In fact, in October of 2020, three
5 companies were identified whose share of revenue from
6 mining thermal coal was above 50 percent, and the three
7 companies engaged with our corporate governance team to
8 discuss transition plans to reduce coal revenues and told
9 the plans continue to remain in development.

10 Our corporate team -- our Corporate Governance
11 team, excuse me, has reported to the Board that we
12 continue to assess progress with these three companies and
13 will report back later in 2021 regarding next steps. If
14 we could now please turn to page four of the PowerPoint
15 deck.

16 --o0o--

17 INVESTMENT DIRECTOR GOGAN: Thank you.

18 So for the economic analysis summary, there's a
19 lot of information on the page. So we have provided
20 information regarding the relative size of each of the
21 five divestments, as well as the return impacts over both
22 one year, as well as inception to date with risk impacts
23 measured by realized tracking error and predicted tracking
24 error.

25 Since each of the divestments relative inception

1 date, all divestments of, other than tobacco, have
2 generated positive returns with small relative impacts on
3 total fund risk. To better understand the economic
4 analysis we have presented in this table, I would like to
5 walk you through the first divestment presented in the
6 table to explain each of the columns presented.

7 So first, on the far left, we present the dollar
8 exposure of each investment. For tobacco, the divestment
9 has resulted in \$1.125 billion of divested holdings, which
10 translates to 0.524 percent of the global equity exposure
11 as of November 2020.

12 The next columns present both the annual and
13 inception-to-date return impacts of each of the five
14 divestments as computed by Wilshire Associates. For
15 tobacco, the column labeled since last affirmation is the
16 one-year number and the result of the tobacco divestment
17 is a positive return impact over the one-year period of
18 856 million, whereas the inception-to-date divestment
19 number, which for tobacco again extends back to 2001, is a
20 loss of approximately \$3.6 billion.

21 Turning next to the risk measures, we are showing
22 two risk measures, predicted and realized tracking error
23 relative to a cap-weighted benchmark. Of the five
24 divestments shown in this table, tobacco, with a predicted
25 tracking error of 0.063 and a realized tracking error of

1 0.165 percent over a ten-year period, has the largest
2 tracking error and therefore the greatest risk impact of
3 the five divestments shown in the table.

4 Finally, the last column on the table displays
5 the information ratio. The information ratio for tobacco
6 of 0.72 percent, reflects that over the five-year period
7 shown, the tobacco-divested portfolio outperformed a
8 portfolio that included tobacco.

9 So if we could please turn to the page, page
10 five.

11 --o0o--

12 INVESTMENT DIRECTOR GOGAN: I wanted to call
13 attention to the fact that we are not reviewing the
14 Emerging Markets Equity Principles as a divestment,
15 because CalPERS public equity benchmark is screened to
16 remove companies that have been linked to grievous human
17 rights, environmental, or social welfare violations.

18 Specifically, our Corporate Governance team
19 evaluated the ESG risk screen and determined that it is
20 consistent with the action taken by the Investment
21 Committee in 2015 and achieves the full integration of the
22 Emerging Markets Equity Principles into the CalPERS Total
23 Fund Investment Policy by using this risk screen to manage
24 the portfolio.

25 If we could please turn to page six.

1 --o0o--

2 INVESTMENT DIRECTOR GOGAN: In conclusion, the
3 staff has reviewed the economic impact of the five active
4 divestments and is seeking the Investment Committee's
5 direction to either remove some or all Board-directed
6 divestment restrictions or affirm continuation of the
7 divestments as both actions are consistent with the
8 Committee's fiduciary obligations.

9 I really thank you for your attention. And with
10 that, we are ready for any questions you may have.

11 COMMITTEE MEMBER FECKNER: You're muted, Theresa.

12 CHAIRPERSON TAYLOR: Sorry about that. I have
13 Mr. Perez has a question.

14 COMMITTEE MEMBER PEREZ: Thank you. You -- on
15 the Board Books, we get to see page nine of 16, but you
16 didn't speak to it. Can you address slide nine of 16,
17 please.

18 INVESTMENT DIRECTOR GOGAN: I would like to ask
19 that Nelson Da Conceicao speak to that. He prepared a lot
20 of the analysis on this and it would be best to hear from
21 him.

22 INVESTMENT MANAGER DA CONCEICAO: Good afternoon.
23 Can you hear me?

24 COMMITTEE MEMBER PEREZ: Yes.

25 INVESTMENT MANAGER DA CONCEICAO: Can you hear

1 me, sorry?

2 COMMITTEE MEMBER PEREZ: Yes.

3 INVESTMENT MANAGER DA CONCEICAO: Excellent.
4 Thank you. Good afternoon, Mr. Perez and Chair and
5 members of the Committee. I'd be happy to guide you
6 through this slide.

7 It might actually be useful to just remind you on
8 slide eight very quickly that what we perform, what the
9 team was asked -- what my team was asked to perform in
10 this con -- in the context of this item was to deliver a
11 robust research-based five-year forward financial
12 assessment of each Divestment Policy. That is really
13 assessing the investment's relative benefit of investing
14 \$1 in each of the divestment baskets versus investing \$1
15 in a portfolio of diversified equities or benchmark.

16 We did that. We achieved that robustness by
17 employing a multi-lanes approach, five different shared
18 evaluation techniques, not fully independent, but largely
19 different, that are likely to produce different shaded
20 outcomes, and would allow us to produce again several
21 angles to the question of, you know, what is the benefit
22 of divesting or investing in those baskets.

23 So with that, what we also did is because the
24 work was highly numerical, we didn't want to overwhelm you
25 with numbers. What we did is that we summarized the

1 findings in this stable, page nine, really focusing on
2 directionality and materiality. And by directionality,
3 what I meant here is we have pluses, and minuses, and some
4 neutrals. The pluses here really are to be interpreted as
5 reinvesting, or inversing, the divestment into this
6 basket -- let's say tobacco -- reinvesting in tobacco is
7 assessed to have a positive impact relative to the
8 benchmark, based on the analysis we have performed, which
9 is purely financially based, purely based on those
10 different models that we employed. Again, those are
11 models.

12 With that, so if it's negative, the contrary
13 would apply is that reinvesting in those baskets would
14 detract or is expected to detract, based on the metrics we
15 use, the models we use, or keeping divestments would be
16 expected to benefit versus a benchmark -- a dollar of
17 benchmark.

18 What we have here, those different methods that
19 was just highlighted very quickly, is that they're really
20 capturing very different angles, again as I mentioned.
21 The one that I would guide you through these different
22 models, they're not all providing the same insight. The
23 one that I would focus on first is that EVA analysis, is
24 that the EVA analysis really is about assessing two
25 dimensions that I would say are, you know, defined as

1 structural, benefit, or viability of a business.

2 It's really about two questions. Is this
3 company -- is this company earning its cost of capital?
4 And is this company or is the management of this company
5 having a track record or have a track record to allocate
6 capital that is shareholder friendly, i.e. increasing or
7 able to grow assets when the business is earning its cost
8 of capital and above or shrinking the business when it's
9 not? So this is something I'd say that we'd start with
10 which is structural.

11 Positive means the company is generally
12 profitable, the business model is generally viable, until
13 something major changes, and the management company is
14 doing a good job at managing capital.

15 With that, then you look at the sides of those --
16 of those -- of that central column. And on the left side,
17 you have two types of models, the factor analysis and the
18 total return decompositions, which are trying to really
19 reach the -- to a similar type of outcome with different
20 angles. It's really about decomposing the drivers or
21 equity returns.

22 The factor analysis is fairly quantitative
23 looking at risk premia. We understand or -- we understand
24 drivers of risk relative to benchmarks. And those are
25 industry exposures, country exposures, FX styles, that's

1 really important, value growth.

2 And then we also have a understanding -- a
3 quantified understanding of the past behavior of those
4 factors. So assessing what those -- these portfolios are
5 versus the benchmark, understanding or realizing what
6 those behaviors would have been over the last 30 years,
7 then we can make an assessment of the potential benefit.

8 And, for example, tobacco here, in this case, has
9 a plus there. It is mostly driven by its current large
10 exposure to value, which over time has said to revert back
11 to the mean. And here it would be expected to perform or
12 to add value compared to performance versus the benchmark.

13 The same thing for dividend yields. It is a
14 characteristic of tobacco. Tobacco companies are -- do
15 deliver a high total shareholder yield, really a dividend
16 yield to shareholders.

17 On the opposite --

18 COMMITTEE MEMBER PEREZ: Thank you.

19 INVESTMENT MANAGER DA CONCEICAO: On the right --
20 okay.

21 COMMITTEE MEMBER PEREZ: Is Forest on?

22 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes,
23 he is, Jason. I saw him.

24 MR. FORESTI: I am on.

25 COMMITTEE MEMBER PEREZ: Thank you, Dan. Steve,

1 in your opinion letter, there was two criteria that you
2 thought was pretty appropriate. And I can't -- I can't
3 seem to find it in my Board Books. Can you refresh our
4 memory?

5 MR. FORESTI: Sure, I'd be happy to. And I'm
6 also joined by my colleague, Daniel Ingram, who penned
7 that letter. But the way we laid it out, and to your
8 question, Mr. Perez, is the two paths that we see that
9 are, you know, potential rationales or drivers of
10 divestment, one would be a, you know, mission-based or,
11 you know, think about there -- a health care organization
12 looking at tobacco, or a religious organization looking at
13 could be contraception, could be other things that are
14 just misaligned with their missions. So that was one very
15 clear path to divestment.

16 The other path to potential divestment that we
17 noted in the letter was an investment-based rationale.
18 And that would fall, and this is where we continued in the
19 letter to try to lay out a process, which is to consider
20 the potential return impacts of, in this case, moving from
21 a divestment program back into these segments of the
22 market, consider the cost of those trading activities to,
23 in this case, again get reinvested, and then the risk,
24 which is the unknown around the return. And we'd argue a
25 little bit less unknown around the cost. Cost is

1 something we've got a pretty good vision on.

2 So to answer your question, we laid it out across
3 mission-based versus an investment-based potential
4 rationale for divestment.

5 COMMITTEE MEMBER PEREZ: Thanks, Steve.

6 And I don't know if Marcie, Theresa, or even Dan,
7 if -- when this -- back in 2001, when we started tobacco
8 and then whenever we started firearms, I mean, obviously
9 this was mission based, right?

10 CHAIRPERSON TAYLOR: No, it was not. And that
11 was at the time all those lawsuits were going on Jason, so
12 it was actually investment based, as I recall. Dan, you
13 were there, I think, right.

14 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

15 Yeah. So I -- so I was not here in 2001. I
16 joined in 2004. So I was not here in 2001 with the
17 tobacco. My understanding is that it was around concern
18 around the, you know, potential lawsuits around, you know,
19 tobacco and the like. In the case of the firearms, yes,
20 it was right in the aftermath of I believe it was Sandy
21 Hook, and the concern was around potential litigation
22 there as well.

23 COMMITTEE MEMBER PEREZ: That sounds an awful
24 like -- an awful lot like mission based, potential --
25 okay. I'll leave that one be.

1 And I know -- I saw a note from Mr. Fox saying
2 that there's speakers in the queue, so I'll try not to
3 take too much more time.

4 CHAIRPERSON TAYLOR: Thank you, Jason.

5 COMMITTEE MEMBER PEREZ: Hold on. I'm not done.

6 CHAIRPERSON TAYLOR: Oh, you're not done.

7 COMMITTEE MEMBER PEREZ: Too much more time,
8 yeah.

9 In -- the last time in November we spoke, you
10 heard from -- I'm speaking to the Board at large now.
11 Last time we talked about this, you heard from the
12 Association of Highway Patrolmen, you heard from the
13 League of California Cities, you heard from California
14 Professional Firefighters, you heard from the California
15 Special Districts Association, all encouraging you to do
16 what we can about making the returns, as opposed to -- and
17 I'm not putting words in their. You can read it through
18 the letters, but encouraging them to let us make
19 investment decisions.

20 And, you know, in my point of view, replace
21 tobacco and firearms, and put blue widgets and white
22 widgets. I don't care what they are. I think that the
23 important part of this is that we let the Investment
24 Office determine what they want to invest in or not.

25 And then I'll ask Dan one more time. I've asked

1 him every time we talked about this, but I'll ask him
2 again today. Dan, all things being equal, do you want us
3 to put restrictions on the Investment Office or do you
4 guys want to be able to do what you're paid to do.

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

6 Yeah. No, it's a great question, Mr. Perez, and
7 I appreciate the question. Certainly, all things being
8 equal, fewer constraints are better than more constraints,
9 and, you know, as it says in our policy, we prefer
10 engagement to divestments. You know, our portfolio is 97
11 percent indexed in the equity side, so we definitely
12 believe in markets being fairly efficient. So absent a
13 strong rationale for divestment, we prefer -- we prefer,
14 you know, broader degrees of freedom.

15 That said with this, I do think when balancing
16 risks, I do think a reasonable investor -- and I think --
17 and I know we've got Ashley Dunning on the line as
18 fiduciary counsel. I do think it, you know, a reasonable
19 investor can come to either place, especially when
20 considering some of the certain costs that are associated
21 with reinvesting. But specifically to your question, Mr.
22 Perez, unequivocally, fewer constraints are better than
23 more.

24 COMMITTEE MEMBER PEREZ: Thank you, Dan.

25 And as we wrestle with the items in the first

1 half of the day about the ALM cycle, and, you know,
2 talking about the discount rate, why would we, as a Board,
3 want to handcuff our Investment Office for being that --
4 the studs that they are to go out there and make the
5 returns that they need to make.

6 So I -- I will motion that we lift the
7 restrictions on the divestments.

8 CHAIRPERSON TAYLOR: We are not taking a motion
9 yet. Hold off on that, because I've got three more
10 speak -- questions from the Board -- four more, and then
11 we have comment --

12 COMMITTEE MEMBER PEREZ: I'm pretty sure you can
13 acknowledge that motion.

14 CHAIRPERSON TAYLOR: I said hold off on that.
15 Hold on to it, and then make the motion when we're ready
16 to make the motion, okay?

17 I had a question on the thermal coal, and maybe I
18 should have asked it earlier, there's -- we had a mandate
19 from the Legislature to divest from thermal coal. We
20 divested from many of the companies. Three of them we had
21 engaged with and they were agreeing to our -- the
22 legislation basically. Do you have an update on where
23 those three companies are in terms of thermal coal, and
24 reaching the below 50 percent, and redoing their business
25 model?

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

2 Certainly, Madam Chair. This is something that
3 we've spent a good bit of time on. So maybe I'll ask Anne
4 Simpson to please take the lead on that question.

5 MANAGING INVESTMENT DIRECTOR SIMPSON: No. Thank
6 you very much for the question, Chair. You'll all recall
7 that we did a thorough analysis of the portfolio and
8 identified, I think, almost two dozen companies that met
9 the test, the threshold of 50 percent of revenues from
10 coal. Then in line with our Board's policy, we reached
11 out to engage those companies, because that legislation,
12 of course, calls for the overarching fiduciary duty of the
13 Board to be respected.

14 Three of the companies on the list essentially
15 said we know we have to make this transition, but our
16 future prosperity depends upon getting aligned with the
17 transition to low carbon. And we felt that it was -- it
18 was important that these companies were given a period of
19 time to then respond, because transitioning a big company
20 is complex and it takes time.

21 So what we did last October was contact those
22 three companies for a progress report, so that we could
23 see what measures have been taken. And you can see some
24 of this information on their website, the sort of climate
25 risk reporting that they're doing and so forth. Those

1 responses are being reviewed at the moment. And there
2 will be a recommendation from the Investment team once
3 that's complete.

4 But that review of those responses is in hand.

5 Does that answer your question, Madam Chair?

6 CHAIRPERSON TAYLOR: Yes. Yes.

7 MANAGING INVESTMENT DIRECTOR SIMPSON: Thank you.

8 CHAIRPERSON TAYLOR: I was curious about that.

9 MANAGING INVESTMENT DIRECTOR SIMPSON: Yes.

10 CHAIRPERSON TAYLOR: I think our next person to
11 have a question is Ms. Middleton. Oh, one more thing.
12 I'm sorry, Lisa. I just wanted to know, as we're talking
13 about the cost of this, right, yes, it makes sense from
14 what Jason is saying to just dive right back in, except
15 that we've already lost the money that we were talking
16 about from before. It looks like there's a high cost to
17 getting back into some of this.

18 And my -- I think you said something earlier,
19 Dan, about how we -- oh, no, it wasn't you. Maybe it was
20 Christine, about how we have decided to get out of --
21 based on the ESG Strategy, that we are not getting into
22 companies that, you know, are labor unfriendly, or however
23 she put it. So that was the second part of my question,
24 which was we're kind of already in a -- what you would
25 call a -- I don't know what you'd call it, specialized

1 fund, because we -- we have this -- these criteria
2 already, based on our ESG strategy.

3 Then my second question is about the cost of
4 getting back into these companies. Is it worth it for us
5 to get back into these companies based on the transaction
6 costs and the risk costs?

7 COMMITTEE MEMBER PEREZ: Theresa, before you
8 continue, I just wanted to clarify. I didn't say that we
9 should get back in. I am just saying that we should lift
10 the restrictions and let the Investment Office make that
11 decision.

12 CHAIRPERSON TAYLOR: Great.

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So,
14 Ms. Taylor, let me take a first shot at your question. So
15 first of all, I hope we didn't give the characterization
16 that we have -- that we have big portfolio tilts around
17 ESG in the portfolio, because certainly ESG is one of many
18 things that we take into consideration. I mean, you know,
19 Anne spoke about integration being one of our key tenets
20 in our ESG strategy, and it is. Basically, we're talking
21 about integrating ESG considerations in every investment
22 decision we make. That's whether it's in private markets
23 or public markets, equity markets or income markets. ESG
24 is one of the -- is one of the considerations we
25 unequivocally take into account when we make our decision.

1 As far as --

2 CHAIRPERSON TAYLOR: Right. I think we were
3 discussing about human rights violations, that kind of
4 thing, that was mentioned. It was earlier in this 9A.
5 And I thought it was Christine that talked about it. But
6 it was human rights violations, we don't -- if there are
7 companies that are overtly human rights violators, et
8 cetera.

9 COMMITTEE MEMBER PEREZ: It was the emerging
10 managers issues.

11 CHAIRPERSON TAYLOR: Oh, yeah, that's right.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

13 Yeah. The Emerging Markets Principles. Yes, and
14 those principles definitely still hold and they're
15 definitely part of our -- you know, part of our index
16 construction methodology for sure.

17 With respect to the costs, it is -- it is a good
18 question. There is a cost to reinvest. Unfortunately, we
19 don't have a crystal ball and we don't know how all of
20 these stocks are going to perform on a go-forward basis.
21 Certainly, the models that -- you know, that Nelson
22 referenced are models that we think may have some
23 efficacy.

24 But, you know, candidly given, you know, what I
25 said about markets being fairly efficient, if we had a

1 model that we -- that we knew would outperform, we would
2 just always outperform. And it doesn't work that way.
3 That's not investment management. Unfortunately, that's
4 one of the challenges.

5 So I do think the costs are certain. I do think
6 that absent other considerations, to Mr. Perez's point, we
7 would say fewer constraints are better than more. And
8 this is where we kind of come to a balanced place. I
9 think a reasonable -- you know, a reasonable decision
10 could be made in either way, and that's one of the reasons
11 why you -- why you don't see a strong recommendation from
12 your Investment team.

13 CHAIRPERSON TAYLOR: Thank you.

14 Ms. Middleton go ahead.

15 COMMITTEE MEMBER MIDDLETON: Thank you, Madam
16 Chair. And one of my questions was going to be with
17 relation to the three coal companies. And so let me just
18 very quickly on that point, and I do have two others, be
19 specific with a question. And I guess this goes to Anne.
20 At this point, the three coal companies that are -- you
21 are looking at and engaging with are all above the 50
22 percent threshold.

23 They, as I understand it, are developing plans
24 that you're working with them to get under that 50 percent
25 threshold. Is it accurate to say that staff, at this

1 time, has not concluded that they will be unable to
2 succeed at getting under 50 percent?

3 MANAGING INVESTMENT DIRECTOR SIMPSON: Thank you
4 for the question, Ms. Middleton. As I mentioned, we did
5 our scheduled check-in with the companies in October. And
6 a previous report to the Board, we said that these three
7 companies would be coming back this year with a view. I
8 don't want to jump ahead of the review that's ongoing, but
9 the test will be a simple one, which is if these companies
10 have a credible plan and they're making progress towards
11 that 50 percent, then we'd consider that to be in the
12 spirit and the letter of the law, as it was drafted.

13 If having had this time to develop plans, we
14 can't come to the view that there is a credible transition
15 plan where progress is being made, then, you know,
16 consideration of the -- of that statute will be brought to
17 bear.

18 But I just don't want to get ahead of -- you
19 know, processes is our friend. Being able to stand back
20 and do the analysis, and when we come forward with our
21 report for the board, you can then hang your hat on that
22 and say, they looked at this carefully. They give the
23 companies the chance to respond. They made a reasonable
24 recommendation.

25 So I'm sorry that we're not -- we're not quite

1 complete. But two of the companies out of the three, did
2 respond in -- you know, in some detail in October, so we
3 have got an amount of material to go through.

4 Thank you.

5 COMMITTEE MEMBER MIDDLETON: I do appreciate the
6 answer and I appreciate --

7 (Laughter.)

8 COMMITTEE MEMBER MIDDLETON: -- going through
9 that any process has a timeline.

10 MANAGING INVESTMENT DIRECTOR SIMPSON: Yes.

11 COMMITTEE MEMBER MIDDLETON: And you'll be
12 following that timeline.

13 MANAGING INVESTMENT DIRECTOR SIMPSON: Yes.

14 COMMITTEE MEMBER MIDDLETON: So thank you on that
15 one.

16 MANAGING INVESTMENT DIRECTOR SIMPSON: Yes, thank
17 you.

18 COMMITTEE MEMBER MIDDLETON: Second question that
19 I have is going back to page three of our agenda where
20 we've got the five industries that we have had divestment
21 on. And with reference to number three, Sudan, and number
22 four, Iran, am I accurate that in addition to California
23 legislative restrictions, there are also federal
24 restrictions that apply to investments in Sudan and Iran.

25 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

1 Thank you, Ms. --

2 INVESTMENT DIRECTOR GOGAN: That's my
3 understanding as well, Ms. Middleton.

4 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.
5 Ms. Middleton, I think -- I think these exist at two
6 levels. So there's what -- we can all ready OFAC, which
7 is a list published by the federal government that says
8 U.S. investors can't invest in certain companies.

9 These are -- you know, that knocks them out of
10 our entire universe as a U.S. based investor for. However
11 then, after that screen, there are also still some
12 companies that are -- that do business with Iran and
13 Sudan, and that's what this bill was intended to go at.

14 COMMITTEE MEMBER MIDDLETON: So I think it would
15 be appropriate, where there is federal restriction, to
16 make note of that on our list. There are -- there's a
17 range of opinions on divestment. There's also a range of
18 opinion as to how much divestment we have. And depending
19 on who I'm talking to, I sometimes come away with a
20 conclusion that they believe that either the Legislature
21 or the Board has restricted the Investment Office from
22 investing in almost anything. So I'd like to get some
23 clarity.

24 And my last question is going to follow up on
25 that theme. Do we maintain any type of list of all of the

1 various industries that we have been strongly requested to
2 divest from, and have not made that divestment decision?

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I
4 think Anne maybe best to -- between her history here and
5 also the --

6 (Laughter.)

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
8 -- fact that her office tends to field these
9 first, maybe, Anne, can you take a stab at that one?

10 MANAGING INVESTMENT DIRECTOR SIMPSON: Yes.
11 Thank you for the question. I think that when there is a
12 challenge that's brought to us by stakeholders or by
13 legislators, usually, there's something very, very serious
14 at the heart of the divestment proposal, I mean, a really
15 serious issue.

16 And in my time here, I've seen divestment on a
17 range of different countries, measures which conflict with
18 each other regarding country exclusions. I remember
19 Israel, Iran, Iraq, Turkey all being in the mix. It was
20 the Levant, the Middle East was the focus of attention.

21 I think that the approach that CalPERS over the
22 years has taken is understanding that if you see potential
23 for improvement and you see a role as an owner of the
24 assets for being part of that, your best course of action
25 is engagement. And, of course, that's why we've focused

1 on climate change in taking the very biggest emitters, the
2 systemically important emitters, the toughest ones --
3 we're not reaching for the low-hanging fruit here -- and
4 we have got a multi-year engagement. And we've teamed up
5 with the 50 trillion other -- you know, others, \$50
6 trillion in assets, which have come together on that.

7 I think when an industry is in secular decline,
8 for example, you know, the trend is on coal, or there are
9 trends on litigation, and legislation, and lifestyle, for
10 example, health costs around tobacco, predicting these
11 long-term trends is difficult.

12 And finding a way for companies to restore
13 themselves to prosperity and, you know, find new
14 businesses. It's not an uneasy thing at all.

15 So I think to sum up, I think we always have a
16 very sympathetic hearing, for those who come to us calling
17 for divestment, because we understand something serious is
18 driving this, but I would say there are rare situations
19 where simply avoiding an industry or avoiding a situation
20 the going to change it.

21 But I think the bigger question for our Board is
22 we are a universal owner. We have such long-term
23 liabilities, isn't considering risk isn't something that
24 can be done quarter to quarter or even year to year. And
25 I do remember the last time the Board was looking at the

1 tobacco question, some of the medical projections about
2 the use of tobacco over generations, I mean, over decades
3 ahead. We're part of what fed into the Board's discussion
4 at the time.

5 So I do appreciate the question about the Board's
6 role and management role, but this seems to me to be
7 absolutely the Board's role, which is setting risk
8 tolerance, focusing on strategy, and absolutely focusing
9 on the very long term.

10 And then within that, our job as management is to
11 go off and get the job done and meet those investment
12 returns, as Dan was saying.

13 Thank you.

14 COMMITTEE MEMBER MIDDLETON: I appreciate that.
15 And I think I concur with everything you've said. I'm
16 just simply asking that we be able to document clearly
17 where we have chosen engagement over divestment, so that
18 from information standpoint we're in a much better
19 position to have that conversation with our stakeholders.

20 MANAGING INVESTMENT DIRECTOR SIMPSON: Thank you.
21 Dan, I think we'll take that as a follow-up point perhaps.

22 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I
23 was -- I was writing --

24 MANAGING INVESTMENT DIRECTOR SIMPSON: I
25 apologize if I wasn't clear enough. Thank you.

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes,
2 I was writing that down, Ms. Taylor. Unless you disagree,
3 we'll take that -- we'll take that as direction.

4 CHAIRPERSON TAYLOR: I agree. I think it's a
5 great idea, because it is important that they -- that our
6 stakeholders understand. And honestly, when you look at
7 what we've actually divested from that's not legislatively
8 mandated, it's two things, so it's --

9 (Laughter.)

10 CHAIRPERSON TAYLOR: So, yeah. And I don't think
11 a tobacco company has a -- it's hard to engage with a
12 tobacco company. I don't think they can change their
13 business model.

14 I need to move on. And you are done, Ms.
15 Middleton, correct?

16 COMMITTEE MEMBER MIDDLETON: (Nods head.)

17 CHAIRPERSON TAYLOR: Okay. Mr. Rubalcava.

18 COMMITTEE MEMBER RUBALCAVA: Thank you, Ms.
19 Taylor. I had two questions. Ms. Simpson, you mentioned
20 there's some analysis underway for the coal companies --
21 the three coal companies, but you didn't -- I know it's
22 taking time and process is our friend. I like that. But
23 what is the timetable roughly before the report comes to
24 the Board or the analysis comes to the Board?

25 MANAGING INVESTMENT DIRECTOR SIMPSON: I am

1 personally not doing the calculations, but I know who is.
2 So Dan, can I ping this back to you?

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

4 Yeah. Yeah, maybe I'll jump in here.

5 MANAGING INVESTMENT DIRECTOR SIMPSON: It's in --

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Mr.
7 Rubalcava, we're -- it's happening on Simiso's team whom
8 you just heard from, of course, in the last item. I think
9 it's probably reasonable to say that it happens -- I'll
10 underpromise and overdeliver. Why don't we say this
11 calendar year, but we'll shoot for it and significantly
12 sooner than that, if that -- if that meets your timetable.

13 COMMITTEE MEMBER RUBALCAVA: Thank you. I just
14 needed a sense of time frame that's -- on that. Thank
15 you.

16 The other question just follow up on the Chair's
17 comments about reinvestment transition costs. I noticed
18 that the Wilshire letter does state that -- that these are
19 meaningful numbers, meaning the cost of reinvesting. And
20 I was hoping somebody could review -- explain to us --
21 there's a chart on page 15 reinvestment transaction costs.
22 What these numbers mean and how they were developed
23 please. Thank you.

24 CHAIRPERSON TAYLOR: Dan, do you know who that
25 would be?

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

2 Yeah. Sorry. Can you hear me?

3 COMMITTEE MEMBER RUBALCAVA: Yes.

4 CHAIRPERSON TAYLOR: Yes.

5 Uh-oh. You went away for a minute. And your
6 phone is off.

7 You're off, Dan. I don't -- it looks like -- oh,
8 almost.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Can
10 you hear me now?

11 CHAIRPERSON TAYLOR: Yes.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

13 Okay. Good. Yeah, my Zoom was freezing on me and then
14 jumping all over the place, not responding.

15 Okay. So those basically come from what we call
16 a transaction cost model. So we have a series of models
17 that we can use across the asset classes that allow us to
18 estimate what things will cost to trade. So what those
19 models do is they look at, you know, the bid-offer spread
20 of stocks. They look at kind of what historical amount of
21 liquidity a certain stock has. We compare that to how
22 much stock we would be looking to trade. And then what it
23 does is it basically uses some quantitative metrics to
24 interpret -- to come to some expected costs.

25 It is based on a model. So we know that it will

1 differ from the model, but they've proven to be fairly
2 accurate historically. By accurate, I mean indicatively
3 accurate in terms of direction in orders of magnitude.

4 COMMITTEE MEMBER RUBALCAVA: But can you explain
5 what they represent? Does that mean there's a trading
6 cost that goes to -- is that an internal cost? Is that
7 something that you pay to the market? I mean, I'm just
8 trying to understand what they -- what they represent.
9 What those -- there's a range, for example, for tobacco.
10 What does low --

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
12 Right. So what --

13 COMMITTEE MEMBER RUBALCAVA: I mean why --

14 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
15 Yeah.

16 COMMITTEE MEMBER RUBALCAVA: -- is there just a
17 range and what does it represent exactly? A bit more --
18 just simpler.

19 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

20 Okay. Sorry there are two main things that that
21 represents, is that, first of all, if we were buying back
22 into tobacco, we would be expecting to general be
23 demanding liquidity and be buying at the offered side,
24 right? So just the way that if you were, you know, buying
25 a house, you would expect to kind of, you know, pay the

1 asker -- the seller's asking price for the house. We
2 would expect to pay some cost by going to the -- to who's
3 willing to sell it. Secondly, there's commissions in
4 there.

5 COMMITTEE MEMBER RUBALCAVA: Okay.

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And
7 then thirdly, there are probably -- given that in some
8 countries, specifically the UK, there's a stamp pack.
9 There's probably -- there's some tax there also.

10 COMMITTEE MEMBER RUBALCAVA: Okay. Thank you.

11 CHAIRPERSON TAYLOR: All right. Thank you, Mr.
12 Rubalcava.

13 Ms. Brown, you're up next.

14 COMMITTEE MEMBER BROWN: Thank you. Thank you,
15 Madam Chair.

16 Just two quick comments. First, I'd like to say
17 that I agree with Ms. Middleton about documenting our
18 decisions why? Historical knowledge is critical for the
19 Board, especially as -- you know, I think a long time ago,
20 the Board didn't turnover very often. But now, I mean,
21 the majority of us are new. And so I think that's very
22 important, but -- and for the stakeholders. So I hope we
23 can do that.

24 And then I just wanted to mention that, you know,
25 we talked earlier about concentration concerns with public

1 equities as well as private investments. I raised that
2 issue. And I think that limiting what the staff can
3 invest in could be problematic, especially when it comes
4 to concentration concerns. You know, our Investment team
5 are professionals. And we trust them with the delegated
6 authority to invest up to \$2 billion. They don't have to
7 come to us. They can just do it. And we trust them to do
8 their job prudently. And I, for one, want to remove
9 constraints or barriers on staff.

10 You know, with their delegated authority, the
11 staff should decide what to buy or sell, when to buy or
12 sell, how much to buy or sell. And I think that's the way
13 we should move. So I'm not saying spend the money and
14 reinvest. But as we talked about overconcentration on
15 some public equities, you know, there's some opportunities
16 here, if we open up and allow the staff to make those
17 decisions and the Board take the handcuffs off.

18 Thank you.

19 CHAIRPERSON TAYLOR: So I just want to clarify.
20 I think there's a perception with these comments. These
21 are directed divestments. The staff gets to invest
22 wherever they want. So these are directed divestments.
23 That's not -- it's outside of the market, yes. And it
24 makes it a special like portfolio for us when we do this.
25 But again, I -- the staff invests wherever they want and

1 makes the decisions themselves. These are directed
2 divestments. Three of them are from the federal or the
3 State government, and two were from past Boards. So --

4 COMMITTEE MEMBER BROWN: I'm not talking -- yeah,
5 I want to be clear. I'm not talking about the ones the
6 federal government tells us we can't do. That's not in
7 our purview. But there are some in our purview and those
8 are the ones I'm talking about.

9 CHAIRPERSON TAYLOR: Right. Right. But it's
10 sounding like you're saying that we're handcuffing the
11 staff.

12 COMMITTEE MEMBER BROWN: We are. We are. We
13 have.

14 CHAIRPERSON TAYLOR: (Inaudible) I'm just
15 clarifying for perception.

16 COMMITTEE MEMBER BROWN: We've told them you
17 can't do -- we've told them you can't do tobacco and
18 firearms.

19 CHAIRPERSON TAYLOR: Right. Right.

20 COMMITTEE MEMBER BROWN: So we have handcuffed
21 the staff. Thank you.

22 CHAIRPERSON TAYLOR: Thank you.

23 Mr. Miller.

24 VICE CHAIRPERSON MILLER: I thought Ramon was in
25 there.

1 Okay. Oh, okay. Yeah. A couple -- a couple
2 thoughts here. One is staff aren't picking individual
3 companies to invest or divest. You know, so when this --
4 these decisions happened, it restricted, and -- but it's
5 not like if these restrictions weren't there, that staff
6 would be identifying specific tobacco and firearms
7 companies for us to invest in as investments in those
8 individual companies, if I understand this. It would
9 cause us to potentially have to go back and look at funds,
10 and indexing, and all that kind of stuff. And there would
11 be significant costs of getting back in. And so the whole
12 cost aspect of it associated with that concerns me. And
13 if I'm wrong about that, Dan or somebody, interject.

14 The other thing is when I look at -- for example,
15 let's take the tobacco ones. We lost a lot of money,
16 because it cost us a lot to divest from them at the time
17 we did it. Then you go a year later, a year later, a year
18 later, and pretty quickly you start to see - and we don't
19 have all those numbers this time. We did in the past -
20 that as long as you're not hung up on that cumulative
21 number, I mean, that's -- that was money lost, yep.

22 But from very shortly thereafter, it actually
23 turned out to be a good decision from a financial
24 perspective. We were better off without tobacco. And all
25 those real risks that are associated with that specific

1 industry, and that specific investment, that may not
2 really appear in these tracking error calculations, which
3 are aggregate stuff from history, and from what's going
4 on, those are still very real. There are still huge risks
5 associated with that industry globally, in terms of
6 health, litigation, potential liabilities, not to mention,
7 you know, ag industry in general, that all still exist.
8 And it's still making sense financially for us to not be
9 in tobacco.

10 And so -- and I think the same goes even more so
11 with the firearm decision, just from a purely money lost,
12 money to be gained sense, it just doesn't -- to me,
13 doesn't make sense to mess with these decisions at this
14 point, just because of the costs potentially to do it.
15 And again, it throws us into a potential big challenge
16 with explaining this to anyone, because right now, you
17 know, tobacco and firearm divestment on a -- on a -- you
18 know, ever since those initial losses of the cost of
19 divesting have actually been a benefit to us.

20 CHAIRPERSON TAYLOR: Thank you, Mr. Miller.

21 Is there -- I don't see anyone else, so we're on
22 to our public callers now.

23 I have eight callers on 9A, if I'm correct, Mr.
24 Fox.

25 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam

1 Chair. Can you hear me?

2 CHAIRPERSON TAYLOR: I can.

3 STAKEHOLDER RELATIONS CHIEF FOX: Thank you,
4 Madam Chair. Our first caller is Kathy Kerridge. She is
5 speaking on Item 9A.

6 MS. KERRIDGE: HI. Hopefully you can hear me.

7 CHAIRPERSON TAYLOR: Yes, we can.

8 MS. KERRIDGE: Do I have to do anything?

9 CHAIRPERSON TAYLOR: I can hear you.

10 MS. KERRIDGE: Okay. There's a huge disconnect
11 between the video and the audio, like a couple of minutes
12 it seems.

13 I think that I'm speaking about the --
14 particularly about the coal companies and the thermal coal
15 production. CalPERS is in the dirty 30 of the top
16 investment in these -- this industry. So I think you
17 really need to be looking at getting rid of those
18 companies.

19 Listening to your report, it looks like two of
20 the companies have responded and are, I'm assuming,
21 working to divest themselves of that. I'd be very curious
22 about what the other company -- what the response has
23 been. And if that company has not been cooperative, I
24 think you probably should be immediately selling it.

25 And to give a year-long time, I'm not an expert,

1 but that seems to me like an awfully long period of time,
2 especially when this has been mandated by the State. You
3 know, this is State legislation. And we're talking here
4 about companies that -- I mean, basically coal is killing
5 our future. Huge greenhouse gas emitter. It's part of
6 what's causing fires in California, floods, sea level
7 rise, ocean acidification. Do we really want to be
8 invested in that industry whatsoever.

9 But the other part of it is that this -- these
10 are bad investments. The fossil fuel industry has not
11 done well, as far as rate of returns. Last year, in
12 general, they lost 41 percent. This is at a time period
13 when the S&P 500 gained ten percent. And your rate of
14 return was, I think you said, 12 percent.

15 So not only are these companies -- these are --
16 this is a dying industry. And if it's not dying, it's
17 killing us, so why would you want to maintain an
18 investment in an industry that really should be going out
19 of business completely.

20 Thank you.

21 CHAIRPERSON TAYLOR: Thank you. Next caller,
22 please, Mr. Fox.

23 STAKEHOLDER RELATIONS CHIEF FOX: Yes. Madam
24 Chair. We have Dr. Margaret Chin.

25 DR. CHIN: Good afternoon. Can you hear me?

1 Hello.

2 CHAIRPERSON TAYLOR: Yes, we can hear you.

3 DR. CHIN: Can you hear me?

4 CHAIRPERSON TAYLOR: Yes, we can.

5 DR. CHIN: Wonderful. Thank you so much. Thank
6 you for allowing me to speak to you today. My name is Dr.
7 Margaret Chin. I come on behalf of Climate Health Now and
8 the Physicians for Social Responsibility, two
9 organizations of health professionals who are alarmed
10 about the overwhelming negative effects of climate change
11 on health and mortality.

12 I'm an OB/GYN physician who has devoted my entire
13 life to ensuring the health of women, especially pregnant
14 women and their unborn babies. With the extreme climate
15 changes, their health is in jeopardy. The health and
16 safety of our future generation is at stake. Air
17 pollution is causing increased pregnancy complications,
18 chronic lung diseases, greater complications to COVID
19 disease, and early death, and so much more.

20 The increased temperatures have caused droughts
21 and wildfires here in California. These climate events
22 have caused an alarming increase in preterm births, small
23 than expected size of babies and stillbirths. We
24 Californians will never forget that day in September 2020
25 when we never saw the sun through the orange gray haze of

1 the wildfire air pollution.

2 We know the primary cause of climate change is
3 greenhouse gases from fossil fuel extraction, production,
4 and use. We need to protect my vulnerable patients, the
5 mothers and their babies, and stop a cause of preterm
6 birth, small babies, and stillbirth. We need to stop
7 supporting the fossil fuel industry industries that cause
8 continued damage to the health of my patients and the
9 world we live in.

10 The trend towards renewable energy sources is
11 inevitable. The financial health of the oil, and gas, and
12 coal industries are falling -- failing. The diagnosis is
13 clear, fossil fuels are causing a health emergency. You
14 have a fiduciary responsibility, a moral and social
15 responsibility, and a health mandate from the medical
16 community to divest from fossil fuel and coal industries.

17 Thank you so much.

18 CHAIRPERSON TAYLOR: Thank you.

19 Mr. Fox, next caller.

20 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
21 Chair, we have Sandy Emerson with Fossil Free California.

22 MS. EMERSON: I'm Sandy Emerson. I'm the Board
23 President of Fossil Free California. And we're asking
24 CalPERS to finish its mandated thermal coal divestment.
25 The three companies that you've identified as still having

1 more than 50 percent of their revenue from the mining of
2 thermal coal, in fact, are much higher than that.

3 Exxaro from South Africa has over 90 percent of
4 its revenue from thermal coal. Adaro from Indonesia has
5 over 90 percent of its revenue from thermal coal. And
6 Banpu from Thailand has 88 percent of its revenue from
7 thermal coal. And this is as of November of last year,
8 November 2020.

9 These three companies together produce more than
10 138 mega tons of coal every year equivalent to almost 279
11 mega tons of CO2. In fact, South African company Exxaro
12 Resources owns more than 31 billion tons of recoverable
13 coal, which is more than enough to create a tipping point
14 for earth's climate.

15 The scope of new and emerging coal projects that
16 these companies support is dangerous to climate health.
17 Last year during the pandemic, Exxaro increased its coal
18 exports by 39 percent and its continued to engage in
19 expansion projects identifying new markets in India and
20 China, despite an uprising organized by mine workers to
21 protest human rights and safety practices.

22 Adaro has been actively participating in
23 expansion projects in Indonesia since 2016 with its
24 continued work on the Central Java Power Project. This
25 endeavor has been delayed, but they're still hoping to

1 expand. And Banpu is planning expansion into Chinese,
2 Australian, and Indonesian markets.

3 I'm looking forward to your analysis. I think
4 these companies have a long way to go. If you finish this
5 mandated divestment for a portfolio worth more than \$400
6 billion, the total value of these investments is somewhere
7 between eight and a half and ten million dollars. So it's
8 insignificant.

9 The financed emissions potential of these thermal
10 coal companies far outweighs the market value of the
11 shares. Adding these three companies to the exclusion
12 list would allow CalPERS to complete its compliance with
13 the requirements of SB 185 and eliminate this risk to its
14 portfolio and to the planet.

15 Thank you.

16 CHAIRPERSON TAYLOR: Thank you.

17 Mr. Fox, our next caller.

18 STAKEHOLDER RELATIONS CHIEF FOX: Yes. Madam
19 Chair, our next caller is Dr. Robert Gould with the San
20 Francisco Physicians for Social Responsibility.

21 DR. GOULD: Can you hear me okay?

22 CHAIRPERSON TAYLOR: Yes, we can. Yes, we can.

23 DR. GOULD: Okay. Thank you.

24 Hi. I'm Dr. Robert Gould a Californian, UCSF
25 professor, and President of San Francisco Bay Physicians

1 for Social Responsibility. Representing hundreds of
2 California health professionals, PSR calls on CalPERS to
3 swiftly and completely divest from coal, as well as other
4 fossil fuels.

5 Numerous scientific reports, such as the recent
6 Fourth National Climate Assessment, have warned us about
7 the rapidly unfolding impacts of global warming that
8 greatly threaten our health, including extreme weather
9 events and wildfires. While exacerbating our COVID
10 pandemic crisis, such climate health impacts particularly
11 devastate our communities made most vulnerable by systemic
12 racism, environmental injustice, hunger, and poverty.

13 Understanding that coal is responsible for 34
14 percent of global energy related carbon dioxide emissions
15 driving our climate crisis, we find it unconscionable that
16 CalPERS's almost \$8 billion invested in companies within
17 the thermal coal value change. And we join many others in
18 demanding that CalPERS immediately divest from thermal
19 coal producers Exxaro, Adaro, and Banpu.

20 In line with policies promulgated by the American
21 Medical Association, American Public Health Association,
22 and numerous health specialty societies urging swift
23 climate action, health professionals increasingly
24 recognize that divestment from coal and other fossil fuels
25 is cost effective, health protective, preventive medicine.

1 In fact, since 2018, it has been the AMA's
2 official policy quote, "To protect human health from the
3 effects of climate change by ending its investments in
4 fossil fuel companies", unquote. While committing to
5 speedy divestment from coal and other fossil fuels,
6 CalPERS should invest its vast financial holdings in
7 renewable and sustainable, non-nuclear energy portfolios
8 that will provide more financial security for CalPERS'
9 retirees than squandering assets in coal stocks that have
10 plunged in value over the recent period.

11 Through such divestment and reallocation, CalPERS
12 can contribute significantly towards assuring the
13 security, health, and survival of our children and
14 grandchildren by helping avert the catastrophic health
15 consequences of global warming that threaten all human
16 civilization.

17 Thank you for your time.

18 CHAIRPERSON TAYLOR: Thank you, Dr. Gould.

19 Mr. Fox, next caller.

20 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
21 Chair. Next caller is Sheila Thorne a member of CSA
22 Retired and Fossil Free California.

23 MS. THORNE: Hello. My name is Sheila Thorne.
24 I'm a CalPERS beneficiary and a retired member of CSA.

25 The CalPERS member news I received this month

1 justifies not divesting by saying quote, "As an owner of a
2 company, we can work with that company to change behavior.
3 And by divesting, we lose our influence".

4 But what influence do you really have? For
5 example, Duke Energy is one of the largest CalPERS
6 holdings on the global coal exit list, and among the top
7 25 emitters in the Climate Action 100, and the third
8 highest emitter of Scope 1 and 2 emissions owned by the
9 CalPERS portfolio. And it has pledged to reduce carbon
10 emissions 50 percent from a 2005 baseline in the power
11 side of its business by 2030 and be net zero by 2050.

12 That all sounds really good. However, an
13 extensive January 2021 study by the Sierra Club of major
14 U.S. utility companies found that actually, of Duke
15 Energy's 54 million megawatt hours of coal generation in
16 2019, only 11 percent is firmly committed to retire by the
17 end of 2030. Further, Duke intends to build as much as
18 7,800 megawatts of new gas by 2030.

19 This new gas capacity could generate nearly as
20 much power as the entirety of Duke's existing coal fleet.
21 In other words, Duke is planning for an energy future
22 centered on gas, not clean energy.

23 CalPERS own June 2020 investment strategy on
24 climate change reports, quote, "The longer the delay on
25 reducing CO2 emissions towards zero, the larger the

1 likelihood of exceeding 1.5 degrees Celsius". Duke Energy
2 has explicitly stated that the planned gas plants coming
3 online in the late 2020s and 2030s will be stranded assets
4 as of 2050.

5 So another way of meeting its pledge, besides not
6 actually meeting it, is to pass on the cost to ratepayers
7 and shareholders. Then instead of building out its solar
8 and wind capacities, and battery storage, Duke is relying
9 on suddenly getting to net zero by a hypothetical
10 geothermal technology that has yet to developed and
11 tested. They call them unicorns.

12 Who knows if it will actually happen. This is an
13 example of empty climate pledges by Climate Action 100
14 companies that are underhandedly seeking to delay real
15 action for as long as possible in order to continue to
16 reap whatever profits they can in the meantime.

17 ExxonMobil and Shell have both made similar empty
18 pledges. And it's time to either call them out for divest
19 them. There are both mission-based and investment-based
20 reasons for doing so.

21 Thank you.

22 CHAIRPERSON TAYLOR: Thank you.

23 Mr. Fox, our next caller.

24 STAKEHOLDER RELATIONS CHIEF FOX: Yes. Madam
25 Chair, we have Sarah Theiss from Fossil Free California.

1 MS. THEISS: Hi. I'm Sarah Theiss, as you know,
2 CalPERS retiree and Fossil Free California Board member.

3 I have to say I am disappointed that the Board
4 may be giving the three coal companies another year, given
5 their continued dedication to coal after promising to
6 change business models in 2017.

7 Today, I want to give you some information about
8 the ESG practices of these three companies, which as Mr.
9 Miller pointed out, often indicate larger problems in a
10 company. Defender for Environmental Rights, a South
11 African NGO monitors whether the largest emitters of
12 greenhouse gases there disclose and manage their climate
13 related risks effectively. Its most recent report in 2019
14 faulted Exxaro for failing to support the task force on
15 climate related financial disclosure, failure to identify
16 climate changes and material business risks to its
17 shareholders, or have a policy to manage it and other
18 matters. Exxaro committed to setting a science-based
19 target in 2015, but has not -- had not yet implemented it.

20 In another report, the same NGO documented the
21 environmental destruction of coal mining, for instance,
22 the health impacts on nearby communities when blasting
23 from one of Exxaro's open pit mines spreads coal dust on
24 the town, the health threatening pollutants in irrigation
25 water that prevent farmers from exporting their crops to

1 Europe, and the degradation of the land which can never be
2 rehabilitated back to their full potential.

3 Coal mining also uses a tremendous amount of
4 water, a scarce resource in South Africa. Exxaro has been
5 found to operate without proper water use permits and was
6 criminally charged for this. Finally, at a protest last
7 year, Exxaro's private security firm shot and killed one
8 of the people protesting Exxaro's atrocious practices.

9 As to Banpu, Green Peace issue -- Green Peace
10 issued a report on mining in Indonesia with Banpu a
11 primary target accused of causing environmental
12 destruction

13 And Adaro operates in the Philippines has one of
14 the largest mine concessions in an area where there was
15 severe flooding earlier this year, which meant 24 deaths
16 and displacement of over a hundred thousand people. The
17 flood is linked to the severe deforestation and
18 sedimentation caused by the mining operations.

19 A British NGO Global Witness published a report
20 raising questions about Adaro's questionable use of
21 offshore tax havens. And the Indonesian tax authority has
22 opened a major case of tax manipulation against Adaro.

23 I hope this information is helpful, as you
24 consider to withdraw -- whether to withdraw investments
25 from the three companies pursuant to SB 185. And thank

1 you for listening.

2 CHAIRPERSON TAYLOR: Thank you.

3 Is there -- I think there's two more callers, Mr.
4 Fox.

5 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
6 Chair, we have two more callers on this item.

7 Next, we have Dr. Robert Girling, CSU retired
8 faculty.

9 DR. GIRLING: I represent 2,000 members of the
10 Emeritus and Retired Faculty Staff -- and Staff
11 Association. We're all members of CalPERS.

12 And let me begin by saying I've listened closely
13 to your deliberations so far. We certainly respect and
14 applaud the cautious actions that have been taken with
15 regard to and respect to corporate engagement and
16 governance. And it's very encouraging to hear,
17 particularly the 12.4 percent return that Dan and his team
18 have achieved over this last year. I thank you for your
19 hard work on our behalf.

20 However, my members have asked why CalPERS is not
21 doing more with respect to climate change and pollution.
22 They tell me they'd like to see their money invested in
23 industries that would forestall catastrophic climate
24 change and they ask why is CalPERS continuing its
25 investments in coal, in coal-fired utilities, and other

1 fossil fuels, where a livable future requires decreasing
2 such investments.

3 As we look at things, we see that CalPERS coal
4 policy lags far behind many other institutional investors.
5 Moreover, global, economic, and policy trends indicate
6 that investments in the coal sector are really unlike to
7 prove profitable in the future. It's very clear that the
8 trend has been down and that there's so -- so many other
9 investors are getting out of that industry or moving away
10 from that and align with the recommendations of the
11 International Panel on Climate Change.

12 So we believe that CalPERS should follow the
13 spirit of the 185 legislation by removing this financial
14 risk from its portfolio.

15 In addition to that, some have brought to my
16 attention the work of Bloomberg's analysis Nathaniel
17 Bullard who wrote, "In terms of growth, there's no
18 apparent penalty for moving fossil fuel companies from
19 indexed investing". The S&P 500 fossil fuel total return
20 index has outperformed the S&P 500 total return index
21 since its inception in 2012. So there's very strong
22 financial arguments that lie behind this.

23 So we're really asking, in view of this growing
24 urgency of climate change, we're asking the CalPERS Board
25 to accelerate its action and expand its efforts to divest

1 in fossil fuels by stop investing in fossil fuel companies
2 immediately, reinvest fossil fuel --

3 CHAIRPERSON TAYLOR: Sir, I'm sorry. I'm sorry,
4 sir, you're done. Your time is up.

5 DR. GIRLING: Okay. Thank you.

6 CHAIRPERSON TAYLOR: Thank you.

7 DR. GIRLING: Okay. I got it. Thank you.

8 CHAIRPERSON TAYLOR: Mr. Fox.

9 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
10 Chair. We have Jerry Fountain from CSR.

11 MR. FOUNTAIN: Kelly, can you hear me?

12 STAKEHOLDER RELATIONS CHIEF FOX: Yes.

13 MR. FOUNTAIN: Okay. This is Jerry Fountain.
14 I'm calling in as a stakeholder to CalPERS representing
15 myself.

16 I'd like to suggest that the Board reevaluate the
17 divestment from firearms. As presented today, firearms
18 have been divested from that subject, because of sales of
19 weapons, attack style weapons in the state of California.
20 Now, California already has an extensive list of firearms
21 that cannot be sold in the state of California to include
22 rifles, pistols, revolvers. So what CalPERS is trying to
23 accomplish may not be allowed in the State of California
24 in the first place. So I would suggest that they look at
25 what California does not allow and reevaluate the

1 divestments from firearms. Thank you.

2 CHAIRPERSON TAYLOR: Thank you. Mr. Fox, are
3 there any other commenters on 9A?

4 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,
5 that concludes your public comment on Item 9A. You will
6 have at least two callers for public comment number 11.

7 CHAIRPERSON TAYLOR: Okay. Thank you very much.

8 So at this point, now we can take a motion to
9 either remove some or all Board-directed divestment
10 restrictions or affirm the continuation of divestments.
11 What's the pleasure of the Board?

12 VICE CHAIRPERSON MILLER: I move we affirm.

13 CHIEF EXECUTIVE OFFICER FROST: Ms. Taylor, you
14 have a motion that was in progress by Mr. President.

15 CHAIRPERSON TAYLOR: I'm sorry. You're right.
16 You're right. Jason, make the motion.

17 COMMITTEE MEMBER BROWN: Where is he?

18 COMMITTEE MEMBER PEREZ: All right So we've heard
19 from staff. We've heard from management, our own internal
20 management. We heard from our consultants. We've heard
21 from labor, being California Professional Firefighters,
22 California Association of Highway Patrolmen, and we heard
23 from employers through the California League of Cities and
24 through the California Special Districts Association. And
25 they all suggest the same, let the Investment team make

1 the decisions.

2 So I'm move that we lift the divestments from
3 tobacco and firearms, and put that authority back in the
4 hands of the Investment Office to make that determination,
5 when and if to reinvest.

6 CHAIRPERSON TAYLOR: Thank you.

7 Is there a second?

8 COMMITTEE MEMBER BROWN: I'll second.

9 CHAIRPERSON TAYLOR: Okay. It's been motioned by
10 Mr. Perez, seconded by Ms. Brown.

11 Ms. Hopper, can you call the roll?

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Ms.
13 Taylor, I'm sorry to inject, but I believe the policy
14 calls for independent votes on each divestment. And maybe
15 I'll ask Mr. Jacobs to confirm that, if he's -- if he can.

16 CHAIRPERSON TAYLOR: That's not -- okay.

17 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: But
18 my understanding, the policy is that each one needs to be
19 voted on independently.

20 CHAIRPERSON TAYLOR: Okay.

21 GENERAL COUNSEL JACOBS: Each one needs to be
22 voted on --

23 COMMITTEE SECRETARY HOPPER: Make me a copy. Can
24 you make three.

25 GENERAL COUNSEL JACOBS: Can --

1 CHAIRPERSON TAYLOR: Pam, hold on.

2 GENERAL COUNSEL JACOBS: Can folks hear me?

3 CHAIRPERSON TAYLOR: Yeah.

4 GENERAL COUNSEL JACOBS: Okay. So there can be
5 and up and down -- up or down vote on all five. But if
6 we're going to separate them out, it probably is better
7 practice at least to have at least these two taken up
8 individually.

9 CHAIRPERSON TAYLOR: Okay. And I'm not sure that
10 we can divest from -- or reinvest in the other three, is
11 that correct, because those are mandated.

12 GENERAL COUNSEL JACOBS: They could be reinvested
13 in, if the Board makes the -- well, Sudan and Iran, no.
14 But the other one --

15 CHAIRPERSON TAYLOR: Okay. So right now let's do
16 one. You want to redo the motion, Jason. Start with one
17 and then go to the other.

18 COMMITTEE MEMBER PEREZ: Yes, ma'am. So all that
19 stuff I said, but for tobacco. Let's lift the tobacco,
20 put it back in the Investment Office.

21 CHAIRPERSON TAYLOR: Okay. So there's a motion
22 to lift the divestment from tobacco. We don't need to put
23 it in the divestment[SIC] office that -- if we're lifting
24 the divestment, they would reinvest. I need a second.

25 COMMITTEE MEMBER PEREZ: Hold on. They wouldn't

1 invest automatically. I want to put that authority back
2 in their -- back into their office. As nothing -- so the
3 bigger picture is not just for tobacco -- not for these
4 two widgets right here. The bigger issue is for every
5 other divestment that's going to come to this Board. This
6 is a retirement fund, not a political fund and that's what
7 I want the goal here to be.

8 CHAIRPERSON TAYLOR: So if the Board made the
9 decision to divest, if we're saying to reinvest, then we
10 are directing staff to reinvest. That's what you're
11 saying.

12 COMMITTEE MEMBER PEREZ: That's not my motion.
13 My motion is to lift the restriction.

14 CHAIRPERSON TAYLOR: All right. Remove the
15 restriction and -- that's not how it reads.

16 COMMITTEE MEMBER PEREZ: I'll say it again.

17 CHAIRPERSON TAYLOR: I'm trying to do it how it
18 reads, Jason.

19 (Laughter.)

20 COMMITTEE MEMBER BROWN: He can change it.

21 CHAIRPERSON TAYLOR: So remove the restriction
22 and let staff reinvest, if they want. Is that what you're
23 saying?

24 COMMITTEE MEMBER PEREZ: I'll. Here, I'll just
25 start again. I submit my motion to remove the

1 restrictions that we placed on the tobacco divestments and
2 put the responsibility and authority back into the
3 Investment Office to make that decision, if and when they
4 see that it's appropriate.

5 CHAIRPERSON TAYLOR: And, Mr. Jacobs, is that an
6 appropriate motion?

7 GENERAL COUNSEL JACOBS: Yes, it is.

8 CHAIRPERSON TAYLOR: All right. Thank you.
9 Could I have second?

10 COMMITTEE MEMBER BROWN: Second.

11 CHAIRPERSON TAYLOR: All right. So it's been
12 motioned by Mr. Perez, seconded by Ms. Brown.

13 Ms. Hopper.

14 COMMITTEE SECRETARY HOPPER: Margaret Brown?

15 COMMITTEE MEMBER BROWN: Aye.

16 COMMITTEE SECRETARY HOPPER: Rob Feckner?

17 COMMITTEE MEMBER BROWN: No.

18 COMMITTEE SECRETARY HOPPER: Henry Jones?

19 COMMITTEE MEMBER JONES: No.

20 COMMITTEE SECRETARY HOPPER: Matthew Saha for
21 Fiona Ma?

22 ACTING COMMITTEE MEMBER SAHA: No.

23 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

24 COMMITTEE MEMBER MIDDLETON: No.

25 COMMITTEE SECRETARY HOPPER: David Miller?

1 COMMITTEE MEMBER MILLER: No.

2 COMMITTEE SECRETARY HOPPER: Stacie Olivares?

3 COMMITTEE MEMBER OLIVARES: I abstain.

4 COMMITTEE SECRETARY HOPPER: Eraina Ortega?

5 COMMITTEE MEMBER ORTEGA: No.

6 COMMITTEE SECRETARY HOPPER: Jason Perez?

7 COMMITTEE MEMBER PEREZ: Yes.

8 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

9 COMMITTEE MEMBER RUBALCAVA: No.

10 COMMITTEE SECRETARY HOPPER: Shawnda Westly?

11 COMMITTEE MEMBER WESTLY: No.

12 COMMITTEE SECRETARY HOPPER: Betty Yee?

13 ACTING COMMITTEE MEMBER PAQUIN: Lynn Paquin for
14 Betty is no vote.

15 CHAIRPERSON TAYLOR: Okay. Madam Chair, I have
16 two yeses by Margaret Brown, one by Jason Perez. I have
17 nine noes, and one abstention by Stacie Olivares. Motion
18 made by Jason Perez, seconded by Margaret Brown.

19 CHAIRPERSON TAYLOR: Thank you. Motion fails.
20 Can I get the next motion, please?

21 COMMITTEE MEMBER PEREZ: Yes, ma'am. I motion
22 for the same thing but for firearms.

23 CHAIRPERSON TAYLOR: All right. So remove the
24 divestment restrictions on firearms. And what was it?
25 You're going to have to repeat it.

1 COMMITTEE MEMBER PEREZ: It's okay. And put the
2 authority to reinvest, if and when they seem -- if and
3 when they see it appropriate, in the Investment Office.

4 CHAIRPERSON TAYLOR: Okay.

5 COMMITTEE MEMBER BROWN: And that's a second.

6 CHAIRPERSON TAYLOR: All right. It's been
7 motioned by Mr. Perez, seconded by Ms. Brown.

8 Ms. Hopper, please take the roll for the vote.

9 COMMITTEE SECRETARY HOPPER: Margaret Brown?

10 COMMITTEE MEMBER BROWN: Aye.

11 COMMITTEE SECRETARY HOPPER: Rob Feckner?

12 COMMITTEE MEMBER FECKNER: No.

13 COMMITTEE SECRETARY HOPPER: Henry Jones?

14 COMMITTEE MEMBER JONES: No.

15 COMMITTEE SECRETARY HOPPER: Matthew Saha for
16 Fiona Ma?

17 ACTING COMMITTEE MEMBER SAHA: No.

18 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

19 COMMITTEE MEMBER MIDDLETON: No.

20 COMMITTEE SECRETARY HOPPER: David Miller?

21 VICE CHAIRPERSON MILLER: No.

22 COMMITTEE SECRETARY HOPPER: Stacie Olivares?

23 COMMITTEE MEMBER PEREZ: She had to drop off.

24 COMMITTEE SECRETARY HOPPER: Eraina Ortega?

25 COMMITTEE MEMBER ORTEGA: No.

1 COMMITTEE SECRETARY HOPPER: Jason Perez?

2 COMMITTEE MEMBER PEREZ: Yes.

3 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

4 COMMITTEE MEMBER RUBALCAVA: No.

5 COMMITTEE SECRETARY HOPPER: Shawnda Westly?

6 COMMITTEE MEMBER WESTLY: No.

7 COMMITTEE SECRETARY HOPPER: Lynn Paquin for
8 Betty Yee?

9 ACTING COMMITTEE MEMBER PAQUIN: No.

10 COMMITTEE SECRETARY HOPPER: Madam Chair, I have
11 two yes votes, one by Margaret Brown, one by Jason Perez,
12 nine no votes, for a motion being made by Jason Perez,
13 seconded by Margaret Brown regarding firearms.

14 CHAIRPERSON TAYLOR: Okay. Thank you. So motion
15 fails on the -- on -- well, the motion fails. And I guess
16 we're -- I have a question for Matt at this point. Do we
17 have to vote -- since we voted down reinvesting, do we now
18 have to affirmatively vote to divest? Is that how we have
19 to do it, Mr. Jacobs.

20 GENERAL COUNSEL JACOBS: To continue the
21 divestments, yes.

22 CHAIRPERSON TAYLOR: Okay. So I need a motion.

23 COMMITTEE MEMBER JONES: Wasn't that David's
24 motion?

25 VICE CHAIRPERSON MILLER: Yeah. I'd move that we

1 affirm.

2 COMMITTEE MEMBER FECKNER: Second.

3 CHAIRPERSON TAYLOR: On which? We have to do one
4 at a time.

5 VICE CHAIRPERSON MILLER: Oh, do we? Can't we --

6 CHAIRPERSON TAYLOR: Yes.

7 GENERAL COUNSEL JACOBS: Well, I think that, at
8 this point, if you want to have an up or down vote on all
9 five, that's okay.

10 VICE CHAIRPERSON MILLER: Yeah.

11 GENERAL COUNSEL JACOBS: But you should
12 specifically identify all five in the motion.

13 CHAIRPERSON TAYLOR: Okay. David.

14 VICE CHAIRPERSON MILLER: Okay. I will move that
15 we affirm all five of the active mandates on divestment,
16 which includes tobacco, firearms, Sudan, Iran, thermal
17 coal, and maintain the status quo.

18 CHAIRPERSON TAYLOR: All right. I've got a
19 motion from David. Do I have a second?

20 COMMITTEE MEMBER FECKNER: Second.

21 CHAIRPERSON TAYLOR: Second from Rob.

22 Go ahead Pam and call the roll.

23 COMMITTEE SECRETARY HOPPER: Margaret Brown?

24 COMMITTEE MEMBER BROWN: I have a concern.

25 I'm -- I need -- I'm going to vote no on some and yes on

1 the other, so...

2 CHAIRPERSON TAYLOR: Does that mean we have to
3 redo the vote, Matt?

4 GENERAL COUNSEL JACOBS: Well, you can either
5 separate it out or Ms. Brown can vote no, because it's
6 overinclusive, and she can vote no on that basis.

7 COMMITTEE MEMBER BROWN: Well, I don't want to
8 vote no Iran and Sudan. Let's be clear about that.

9 CHAIRPERSON TAYLOR: All right. Can we restate
10 the motion one more time, please. Let's do the firearms
11 and the -- David, and tobacco separately from the other
12 three.

13 VICE CHAIRPERSON MILLER: Okay. So I guess I'll
14 have two motions. Does that work?

15 CHAIRPERSON TAYLOR: Yeah.

16 VICE CHAIRPERSON MILLER: Okay. So my first
17 motion is to affirm the active mandates for divestment
18 of -- well, no, not -- to affirm our divestment decision
19 on tobacco and firearms.

20 CHAIRPERSON TAYLOR: Okay. And the second is
21 still standing with Mr. Feckner?

22 COMMITTEE MEMBER FECKNER: Yes.

23 CHAIRPERSON TAYLOR: Okay. So it's been motioned
24 by Mr. Miller, seconded by Mr. Feckner to affirm the
25 divestment for tobacco and firearms.

1 Pam, go ahead.

2 COMMITTEE SECRETARY HOPPER: Okay. Margaret
3 Brown?

4 COMMITTEE MEMBER BROWN: No.

5 COMMITTEE SECRETARY HOPPER: Rob Feckner?

6 COMMITTEE MEMBER FECKNER: Aye.

7 COMMITTEE SECRETARY HOPPER: Henry Jones?

8 COMMITTEE MEMBER JONES: Aye.

9 COMMITTEE SECRETARY HOPPER: Matthew Saha for
10 Fiona Ma?

11 ACTING COMMITTEE MEMBER SAHA: Aye.

12 COMMITTEE SECRETARY HOPPER: Lisa Middleton?

13 COMMITTEE MEMBER MIDDLETON: Aye.

14 COMMITTEE SECRETARY HOPPER: David Miller?

15 CHAIRPERSON TAYLOR: David?

16 VICE CHAIRPERSON MILLER: Aye.

17 COMMITTEE SECRETARY HOPPER: Stacie Olivares
18 Had to go.

19 Eraina Ortega?

20 COMMITTEE MEMBER ORTEGA: Aye.

21 COMMITTEE SECRETARY HOPPER: Jason Perez?

22 COMMITTEE MEMBER PEREZ: No.

23 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

24 COMMITTEE MEMBER RUBALCAVA: Aye.

25 COMMITTEE SECRETARY HOPPER: Shawnda Westly?

1 COMMITTEE MEMBER WESTLY: Aye.

2 COMMITTEE SECRETARY HOPPER: Lynn Paquin for
3 Betty Yee?

4 ACTING COMMITTEE MEMBER PAQUIN: Aye.

5 COMMITTEE SECRETARY HOPPER: Madam Chair, I have
6 the motion being made by David Miller, seconded by Rob
7 Feckner. I have two noes, one by Margaret Brown, one by
8 Jason Perez, and nine aye votes to affirm that divestment
9 of firearms and tobacco.

10 CHAIRPERSON TAYLOR: I forgot to unmute. Thank
11 you. The motion carries.

12 So David, can you make the next motion, please?

13 VICE CHAIRPERSON MILLER: Okay. The next motion
14 is to affirm divestment of Sudan, Iran, and thermal coal.

15 CHAIRPERSON TAYLOR: And seconded?

16 COMMITTEE MEMBER FECKNER: Second.

17 CHAIRPERSON TAYLOR: Seconded by Mr. Feckner. So
18 it was a motion by Mr. Miller, seconded by Mr. Feckner.
19 Pam, can you take the vote for me?

20 COMMITTEE SECRETARY HOPPER: Sure.

21 Margaret Brown?

22 COMMITTEE MEMBER BROWN: Yes.

23 COMMITTEE SECRETARY HOPPER: Rob Feckner?

24 COMMITTEE MEMBER FECKNER: Aye.

25 COMMITTEE SECRETARY HOPPER: Henry Jones?

1 COMMITTEE MEMBER JONES: Aye.

2 COMMITTEE SECRETARY HOPPER: Matthew Saha?

3 ACTING COMMITTEE MEMBER SAHA: Aye.

4 COMMITTEE SECRETARY HOPPER: Was that an aye?

5 ACTING COMMITTEE MEMBER SAHA: Aye.

6 COMMITTEE SECRETARY HOPPER: Thank you.

7 Lisa Middleton?

8 COMMITTEE MEMBER MIDDLETON: Aye.

9 COMMITTEE SECRETARY HOPPER: David Miller?

10 VICE CHAIRPERSON MILLER: Aye.

11 COMMITTEE SECRETARY HOPPER: Eraina Ortega?

12 COMMITTEE MEMBER ORTEGA: Aye.

13 COMMITTEE SECRETARY HOPPER: Jason Perez?

14 COMMITTEE MEMBER PEREZ: No.

15 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

16 COMMITTEE MEMBER RUBALCAVA: Aye.

17 COMMITTEE SECRETARY HOPPER: Shawnda Westly?

18 COMMITTEE MEMBER WESTLY: Aye.

19 COMMITTEE SECRETARY HOPPER: Lynn Paquin for

20 Betty Yee?

21 ACTING COMMITTEE MEMBER PAQUIN: Aye.

22 COMMITTEE SECRETARY HOPPER: Madam Chair, I have
23 ten ayes, one no made by Jason Perez, motion made by David
24 Miller, seconded by Rob Feckner on the affirming the
25 divestment of, I believe, Sudan and I didn't catch the

1 other two.

2 CHAIRPERSON TAYLOR: Sudan, Iran, and thermal
3 coal.

4 COMMITTEE SECRETARY HOPPER: Thank you.

5 CHAIRPERSON TAYLOR: Okay. So the motion
6 carries. That's the end of action item 5A[SIC].

7 So we're going to move on to summary of committee
8 direction. Dan.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

10 Thank you, Madam Chair. I have four. I'm not
11 sure they were all entirely direction, but I think they
12 were the intent. So we'll start with, first of all, there
13 was an article on pension obligation bonds that we will
14 circulate to the Board. We'll consider an information
15 session on special purpose -- on SPACs, special purpose
16 action vehicles. We will list -- per Ms. Middleton's
17 request, we will list all the places where we were asked
18 to divest and instead are engaging. We'll come up with
19 good documentation there. And then finally, we will come
20 back to this Committee with our plan on the three coal
21 companies discussed within this calendar year. Once
22 Simiso and his team, who are leading that body of work,
23 get through proxy season, we'll look to come back sometime
24 this calendar year.

25 CHAIRPERSON TAYLOR: Excellent. Thank you very

1 much. That's what I remember. Thank you.

2 So then I think we are at public comment. I
3 believe Mr. Fox said we had two more commenters.

4 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,
5 yes, we have actually three callers now. The first caller
6 is J.J. Jelincic.

7 MR. JELINCIC: J.J. Jelincic, beneficiary.

8 The Board may itself make any investments
9 authorized by law or sell any security obligation or real
10 property, in which monies of the retirement fund are
11 invested by an affirmative vote of at least seven members
12 of the board, or by the same affirmative vote may, from
13 time to time, adopt an investment resolution that shall
14 contain detailed guidelines by which to designate those
15 securities and real properties that are acceptable for
16 purchase.

17 With the resolution in effect, securities and
18 real property may be purchased for investment by an
19 officer or employee of the Board designated by it for that
20 purpose. Sales of securities may be consummated by the
21 officer or employee under the conditions prescribed.
22 Purchasers and sales of securities shall report -- shall
23 be reported to the Board on a monthly basis at its next
24 regular meeting. Government Code section 20191.

25 Thank you for your time.

1 CHAIRPERSON TAYLOR: Okay. Thank you.

2 Mr. Fox, our next caller.

3 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,
4 next we have Monique Hernandez.

5 MS. HERNANDEZ: Hello. Can you hear me?

6 CHAIRPERSON TAYLOR: Yes, we can.

7 MS. HERNANDEZ: Okay. Perfect. My name is
8 Monique Hernandez. I'm here to speak on item number 11

9 I work at --

10 CHAIRPERSON TAYLOR: Can I stop you for a second.
11 Can I stop you for a second.

12 MS. HERNANDEZ: Yep.

13 CHAIRPERSON TAYLOR: I'm sorry. You have an
14 echo. Do you have us on some place else. You might want
15 to turn it down.

16 MS. HERNANDEZ: No. I don't have you on anywhere
17 else.

18 CHAIRPERSON TAYLOR: Oh, that's better.

19 MR. HERNANDEZ: Maybe it's because my phone was
20 on speaker. Is that better?

21 CHAIRPERSON TAYLOR: Yes. Thank you.

22 MS. HERNANDEZ: Is that better?

23 CHAIRPERSON TAYLOR: Yes, thank you.

24 MR. HERNANDEZ: Okay. I'll start. So my name is
25 Monique Hernandez. I'm here to speak about Item number

1 11. I've worked for Riverside Community Hospital, which
2 is an HCA hospital for 13 years as a registered nurse. I
3 continue to do the best care I possibly can for my
4 patients and advocate for my colleagues and my profession.

5 In the recent months, perhaps years, I have been
6 pained by this realization, patients are not getting the
7 care they deserve at RCH due to short staffing. We have
8 patients that go for days without being seen by their
9 physician. Patients waiting days for diagnostic or
10 therapeutic procedures.

11 Imagine your daughter, your 28 year daughter --
12 year old daughter waiting two days for a CAT scan while
13 being in the hospital, because our radiology department is
14 so behind, because they're short staffed, or imagine your
15 husband is on a heparin drip, which is a blood thinner, to
16 make sure that he doesn't have a blood clot after having a
17 heart attack. This medication is dosed according to a
18 certain lab that we have to draw and this lab is time
19 sensitive. So if this lab was due to be drawn at 9:30 and
20 wasn't drawn until three p.m. because phlebotomy is so
21 short staffed, this is not okay.

22 Over and over, I have attempted to address these
23 issues and concerns, and over and over I'm thanked for
24 identifying an issue only to see the same issue play out
25 days later or weeks later, often with the same entities or

1 departments. I do not know what happens when these issues
2 are addressed, but I do know that the end product, mainly
3 patient care, has continued its downward trajectory.

4 I have been hopeful in some big changes with the
5 incoming teach -- with us being a teaching hospital with
6 the G Tower expansion, strengthening our union's presence,
7 the addition of the rapid response department would move
8 the needle towards excellence. Tragically, there have
9 been some things that can only be accomplished with real
10 human resources, people.

11 The people at RCH are what make it run, but there
12 have been too few people for too long. The most difficult
13 thing is that, at some point, we needed 50 more -- or more
14 nurses. Then it slid to a hundred. Now, 200. And who
15 knows what the deficit is going to be after the dust of
16 this pandemic settles. Vacant nursing positions are a
17 cold comfort. They need to -- we need to invest in
18 retaining staff and not being a puppy mill for new nurses.
19 You're bleeding money at this facility, training them only
20 to see them go to safer, better staffed hospitals in a
21 year.

22 I want to see RCH succeed. I have put great
23 effort toward that goal and seeing my sincere efforts
24 occasionally embraced, but more often trampled by naked
25 economics, by disinterest, and by a lack of

1 accountability. I think that there is where your success
2 will lie, some day having the resources and the moral
3 authority to raise the level of accountability for staff
4 and administrators alike.

5 With all due respect to everyone of you on this
6 Board, you will eventually be a consumer of acute health
7 care. You will, if you haven't already, need hospital
8 services. What kind of care would you want rendered to
9 yourself and to your loved ones. In my humble opinion,
10 lack of investment in the people that actually make this
11 entity operate is catastrophic to patient care.

12 Thank you for your time.

13 CHAIRPERSON TAYLOR: Thank you very much.

14 Mr. Fox, our next caller.

15 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
16 Chair. Our final caller is Mr. Michael Ring, SEIU.

17 MR. RING: Good evening, members of the CalPERS
18 Investment Committee. This is Michael Ring with the
19 Service Employees International Union's Capital
20 Stewardship Program. Thank you for taking my comments and
21 the opportunity so speak with you today.

22 Along with SEIU member and HCA worker Monique
23 Hernandez, who you just heard from, I'm here to share some
24 information with you about important investment related
25 issues at one of the company's largest -- one of the

1 country's, excuse me, largest health care corporations,
2 HCA, which is -- which owns the hospital that Ms.
3 Hernandez was referencing.

4 Our team recently shared with your Investment
5 staff a series of publicly available reports and articles
6 that document the potential risk of HCA's business
7 practices to long-term investors like CalPERS. Some of
8 the issues of possible concern to consider for further due
9 diligence include HCA policies regarding billing, stock
10 buybacks, taxation, public subsidies, lobbying,
11 compensation, and the workforce management and safety
12 issues that HCA workers have shared with us, that have
13 only become more acute during the COVID-19 pandemic.

14 We believe concerns about these business
15 practices are relevant to CalPERS due to your portfolio's
16 exposure to HCA. We also believe that it impacts CalPERS
17 and similar long-term investors more broadly, given that
18 as one of the largest health care corporations in the
19 United States -- States - excuse me - HCA sets a market
20 standard in the industry critical to the overall
21 functioning of our economy, an industry that impacts
22 taxpayers, consumers, workers, and investors, including
23 pension funds and their plan participants.

24 We encourage your team to do its own due
25 diligence with this information to assess the risk HCA's

1 practices may present to the interests of CalPERS plan
2 participants who, of course, depend on the long-term
3 healthy performance of the fund's investments.

4 Thank you very much for the opportunity to speak
5 with you today and for your work facilitating retirement
6 security for all CalPERS participants.

7 CHAIRPERSON TAYLOR: Thank you.

8 Mr. Fox, are there any other callers?

9 STAKEHOLDER RELATIONS CHIEF FOX: No, Madam
10 Chair. That concludes your business for today.

11 CHAIRPERSON TAYLOR: Thank you so much.

12 So then that concludes Investment Committee open
13 session. We will adjourn. And what time are we starting
14 tomorrow? I believe it's 9 a.m., correct?

15 COMMITTEE MEMBER FECKNER: (Thumbs up.)

16 CHAIRPERSON TAYLOR: Yes. I got thumbs up from
17 Rob. Okay. See you all tomorrow morning. Thank you very
18 much.

19 (Thereupon California Public Employees'
20 Retirement System, Investment Committee
21 meeting open session adjourned at 6:05 p.m.)

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CERTIFICATE OF REPORTER

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 20th day of March, 2021.



JAMES F. PETERS, CSR
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