

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

CALPERS AUDITORIUM
LINCOLN PLAZA NORTH
400 P STREET
SACRAMENTO, CALIFORNIA

MONDAY, NOVEMBER 15, 2021

9:34 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 Frank Ruffino

Lisa Middleton

Eraina Ortega

Ramon Rubalcava

Shawnda Westly

Betty Yee

STAFF:

Marcie Frost, Chief Executive Officer

Dan Bienvenue, Interim Chief Investment Officer

Matt Jacobs, General Counsel

Scott Terando Chief Actuary

Kelly Fox, Chief, Stakeholder Relations

Sterling Gunn, Managing Investment Director

Pam Hopper, Committee Secretary

Kristin LaMantia, Assistant Division Chief, Enterprise
Strategy and Performance Division

APPEARANCES CONTINUED

STAFF:

Arnie Phillips, Interim Deputy Chief Investment Officer
Christine Reese, Investment Director

ALSO PRESENT:

Aaron Avery, California Special Districts Association

Sandra Barreiro, California School Employees Association

Margarita Berta-Ávila, California Faculty Association

Terry Brennan, Service Employees International Union,
California

Carlos Davidson, California Faculty Association

Sarah Duckett, Rural County Representatives of California

Miriam Eide, Fossil Free California

Richard Godfrey, M.D., UCSF

Sara Greenwald

Matthew Hawkesworth, City of Pasadena

J.J. Jelincic

Jonathan Karpf, California Faculty Association

Sara Lamnin, City of Hayward

Leyne Milstein, City of Sacramento

Geoff Neill, California State Association of Counties

Lynne Nittler, Fossil Free California

Tammi Royales, City of La Mesa

Lori Sassoon, City of Rancho Cucamonga

APPEARANCES CONTINUED

ALSO PRESENT:

Cindy Silva, League of California Cities

Philip Smith, United Mine Workers of America

Todd Snider

Lisa Sparaco, California Faculty Association

Dana Stokes, Fossil Free California

Sara Theiss, Fossil Free California

Sheila Thorne, Fossil Free California

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CHAIRPERSON TAYLOR: Good morning, everybody.

Let me make sure I'm on. Can everybody hear me?

Thank you for your patience. We're all getting use to our new little environment here. I'm going to call the Investment Committee open session to order. And first order of business is roll call.

Ms. Hopper.

COMMITTEE SECRETARY HOPPER: Theresa Taylor?

CHAIRPERSON TAYLOR: Here.

COMMITTEE SECRETARY HOPPER: Margaret Brown?

COMMITTEE MEMBER BROWN: Here.

COMMITTEE SECRETARY HOPPER: Rob Feckner?

COMMITTEE MEMBER FECKNER: Good morning.

COMMITTEE SECRETARY HOPPER: Henry Jones?

COMMITTEE MEMBER JONES: Here.

COMMITTEE SECRETARY HOPPER: Frank Ruffino for
Fiona Ma?

ACTING BOARD MEMBER RUFFINO: Present.

COMMITTEE SECRETARY HOPPER: Lisa Middleton?

COMMITTEE MEMBER MIDDLETON: Present.

COMMITTEE SECRETARY HOPPER: David Miller?

VICE CHAIRPERSON MILLER: Here.

COMMITTEE SECRETARY HOPPER: Stacie Olivares?

CHAIRPERSON TAYLOR: Excused.

1 COMMITTEE SECRETARY HOPPER: Eraina Ortega?

2 COMMITTEE MEMBER ORTEGA: Here.

3 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava?

4 COMMITTEE MEMBER RUBALCAVA: Here.

5 COMMITTEE SECRETARY HOPPER: Shawnda Westly?

6 COMMITTEE MEMBER WESTLY: Here.

7 COMMITTEE SECRETARY HOPPER: Betty Yee?

8 COMMITTEE MEMBER YEE: Here.

9 COMMITTEE SECRETARY HOPPER: Madam Chair, all is
10 in attendance with an excused for Stacie Olivares.

11 CHAIRPERSON TAYLOR: All right. Thank you very
12 much. So we have change it up a little bit and we are
13 moving into public comment as our second order -- item for
14 order. And I'm going to go ahead and take our phone
15 comments first. If Mr. Kelly -- or Mr. Fox, I'm sorry.

16 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
17 Chair. We have several callers on the line right now.
18 It's going to take just a moment to get --

19 CHAIRPERSON TAYLOR: Mr. Fox, we can hardly hear
20 you. Can you speak up a little bit?

21 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
22 Chair. We'll do our best.

23 All right. Our first caller is from Fossil Fuel,
24 Mr. Jonathan Karpf.

25 CHAIRPERSON TAYLOR: So Mr. Fox, I'm still having

1 a hard time --

2 MR. KARPF: Hello.

3 CHAIRPERSON TAYLOR: -- hearing you.

4 MR. KARPF: Can you hear me now? This is
5 Jonathan Karpf.

6 CHAIRPERSON TAYLOR: That's a little better,
7 yeah. Speak up if you can or turn your volume up.

8 MR. KARPF: Okay. My name is Jonathan Karpf.
9 I'm a member of the Retired Committee of the California
10 Faculty Association, having retired about two years ago
11 after teaching anthropology at San Jose State University
12 for 32 years.

13 Despite being retired, I am the retirement
14 specialist for the CFA. And as a consequence, I am both
15 well aware of and very appreciative of the fiduciary
16 responsibilities that the CalPERS Board has toward its
17 members. And it's towards that fiduciary responsibility
18 that I'd like to speak today.

19 You're well aware that of the existential crisis
20 facing this planet. Unstable fossil fuel prices have made
21 investment to fossil fuel extraction a far more risky
22 investment opportunity. West Texas Intermediate crude oil
23 fell in value from \$107 per barrel in January 2014 to \$50
24 per barrel by June 2015. This led Goldman Sachs to state
25 in January 2015 that if oil were to stabilize at \$70 per

1 barrel, \$1 trillion of planned oil field investment would
2 not be profitable.

3 Since its inception in 2012, the S&P 500's Fossil
4 Fuel Free Total Return Index has consistently outperformed
5 the S&P overall. I mean this has led to commentator Jim
6 Cramer to declare I'm done with fossil fuel stocks.

7 Who's divested from fossil fuels? As of April
8 2020, the number of education institutions, foundations,
9 government organization, states, cities, and pension funds
10 has grown to 1,192 with a total combined asset value of
11 14.14 trillion. As of 2021, 1,300 institutions possessing
12 investments valued at 14.6 trillion have divested from the
13 fossil fuel industry.

14 More of the point, Audi and BMW have pledged to
15 stop producing gas-producing engines. Ford Europe has
16 pledged to stop producing gas-producing engines by 2026.
17 General Motors has pledged to stop producing internal
18 combustion engines by 2035. Toyota has pledged by 2040,
19 but note the Japan is banning internal combustion engines
20 as of 2030, 10 years before Toyota is stopping making
21 them. And finally, we have our own Governor Newsom who's
22 pledged that California will ban the use of gas auto
23 vehicles as early as 2016.

24 So not only is there a moral imperative for
25 CalPERS to divest from a fossil fuel investments, there's

1 a financial --

2 CHAIRPERSON TAYLOR: Sire, we're going to have to
3 move on. Can you --

4 MR. KARPFF: -- and a fiduciary risk.

5 CHAIRPERSON TAYLOR: Sir, can you complete your
6 comments.

7 MR. KARPFF: Yes, I will.

8 CHAIRPERSON TAYLOR: Your time is up.

9 MR. KARPFF: Yes. Okay. I'm asking the Board to
10 divest from all fossil fuel holdings. Thank you very
11 much.

12 CHAIRPERSON TAYLOR: Thank you.

13 Next caller, Mr. Fox.

14 And before we go to next caller, can we -- I can
15 hear it going that way, but it seems like the Board can't
16 really hear it.

17 BOARD MEMBER MIDDLETON: I can't hear it.

18 CHIEF EXECUTIVE OFFICER FROST: Why don't we take
19 a pause on the phone callers -- commenters and go to the
20 in-person commenters and we'll see if we can improve the
21 quality.

22 CHAIRPERSON TAYLOR: Okay. We've got a lot of
23 in-person, so it will be a bit of time.

24 Okay. Mr. Fox, we're going to take a pause on
25 the phone comments while we try to fix the sound for the

1 Board. And we'll start with in-person comments. Once,
2 we're finish with those -- so tell our -- apologize to our
3 phone folks and let them know that we'll get to them.

4 Thank you.

5 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
6 Chair.

7 CHAIRPERSON TAYLOR: Okay. So I have -- I'm
8 going to call three people up. Sheila Thorne, Margarita
9 Berta-Álvia and Sara Theiss. It looks like we've got two
10 seats available, so one of you will have to sit behind.

11 Sheila Thorne is first.

12 MS. THORNE: Hello. I'm a CalPERS member.

13 CHAIRPERSON TAYLOR: Sheila, I'm sorry. Put your
14 mask on and pull your mic closer to you.

15 MS. THORNE: Oh.

16 CHAIRPERSON TAYLOR: Don't take that off the mic.
17 Thank you.

18 MS. THORNE: Okay. I'm a grateful CalPERS member
19 and also retired member of CFA. The CalPERS Governance
20 and Sustainability Principles of September 2019 state
21 corporations should adopt maximum progressive practices
22 towards the elimination of human rights violations in all
23 countries or environments in which they operate. And yet,
24 CalPERS continues to hold investments in such heavy coal
25 burning corporations as Duke Energy and Southern Company,

1 which have spread toxic coal ash into the air, and mercury
2 and arsenic into the water of surrounding communities
3 contributing to disease and death.

4 In North Carolina, where Duke operates six coal
5 plants, coal's toxic waste contributes to cancer, stroke,
6 heart disease, and upper respiratory disease, four of five
7 leading causes of death.

8 And according to a 2014 EPA analysis, it is
9 people of color who are more likely than White people to
10 live within a mile of a facility that releases pollution,
11 and who suffer disproportionately the impacts of coal use.

12 Nationally, 76 percent of the two million
13 Americans living within three miles of the top dirtiest
14 coal power plants, such as Duke Energy and Southern
15 Company, are people of color. According to Abt Associates
16 study commissioned by the Clean Air Task Force, fine air
17 particle pollution from Southern Company coal plants is
18 responsible annually for 1,224 deaths, 20,770 asthma
19 attacks, 871 hospital admissions, 1,255 hospital asthma ER
20 visits, and 1,710 heart attacks.

21 There is no excuse to hold on any longer to coal
22 in any form. It is deadly to people and to the planet.
23 All countries at the Glasgow Conference, except for India,
24 advocate the immediate phase-out of coal. CalPERS coal
25 holdings and coal-supported energy plants support

1 environmental racism. CalPERS should divest these
2 holdings immediately to live up to its own ESG principles
3 and to act against climate catastrophe.

4 CHAIRPERSON TAYLOR: Thank you.

5 Margarita.

6 MS. BERTA-ÁVILA: Good morning. My name is
7 Margarita Berta-Ávila and I am with the California Faculty
8 Association. I'm chapter president at Sacramento State,
9 as well as a statewide officer. We represent close to
10 29,000 constituents. Those constituents represent tenure
11 line faculty, lecture faculty, coaches, librarians, and
12 counselors.

13 In the spring of 2021, we voted unanimously,
14 overwhelmingly a resolution demanding CalPERS to divest
15 our pension from fossil fuel companies. As stated by my
16 colleague just right now, climate change is an issue of
17 environmental justice disproportionately impacting
18 indigenous communities, communities of color, and low
19 income communities due to historical oppression, and
20 equity of power, and lack of access to resources.

21 Addressing climate change is also an opportunity
22 to address injustice, but most importantly for our
23 members, 29,000, 23 campuses, is to not be made complicit
24 to the acts of injustices through these actions.

25 Thank you very much.

1 CHAIRPERSON TAYLOR: Thank you.

2 Ms. Sara Theiss.

3 MS. THEISS: Yes. Hi. As I think you all know,
4 I'm a CalPERS retiree and member of Fossil Free
5 California. I hope the information I share today will be
6 helpful as you all work hard both to make decisions
7 consistent with your fiduciary duty and to respond on a
8 personal and professional level to the unfolding climate
9 disaster haunting all of us.

10 I want to share a recent article from Climate
11 Policy journal that looked at the financial impact of
12 fossil fuel divestment on investment performance. It was
13 based on data from 1973 to 2016 and almost 7,000 global
14 companies. Here are several of their conclusions.

15 First, as to diversification, the authors
16 conclude that screening out fossil fuel stocks has no
17 significant impact on the returns and risks of a global
18 well diversified portfolio. There is nothing unique about
19 fossil fuel holdings in terms of the global investment
20 universe.

21 Second, the authors analyze the impact of
22 divestment during both a delayed energy transition or a
23 smooth one. To me, their conclusions relate to whether
24 it's necessary from a fiduciary point of view to keep
25 fossil fuel holdings because of the current high

1 performance or predicted high performance. They found
2 that while earnings for fossil fuel holdings are higher in
3 the delayed transition, the difference between portfolios
4 with and without fossil fuel stock holdings are
5 statistically insignificant. In other words, diversifying
6 won't cause you to miss out on bonanza returns from the
7 oil majors in the near or medium future.

8 Third, as to the impact of engagement, the
9 authors point out that in a smooth energy transition,
10 fossil fuel companies will lose their profitability and
11 ability to invest. They're therefore unlikely to finance
12 the energy transition. And I just want to note that this
13 data did not include the last five years or the
14 possibility of, you know the growing climate chaos,
15 further impacts, and other -- further pandemics and other
16 major economic shocks.

17 And finally, regarding engagement, the Dutch
18 Pension Fund, you might know this, APB, just announced it
19 would begin to divest from oil, gas, and coal, which
20 represents almost three percent of its \$600 billion fund.
21 Most assets will be sold by the first quarter of 2023.
22 The company based its decisions on recent reports from the
23 IEA and the UN Climate Panel showing that CO2 emissions
24 must be reduced quickly and drastically.

25 In terms of engagement, APB's Chairwoman said we

1 see sufficient -- insufficient opportunity for us as
2 shareholders to push for the necessary significant
3 acceleration of the energy transition at these companies.
4 And I will send you the article. It's quite technical.
5 And thank you so much for listening.

6 It's great to be back.

7 CHAIRPERSON TAYLOR: Thank you. Thank you.

8 Aaron Avery, Lynn Nittler -- Nittler, I'm sorry,
9 and Miriam Eide. I don't know if I'm saying that
10 correctly. If you could come up front I've got Aaron
11 Avery and Lynne Nittler first.

12 MR. AVERY: Hello. My name is Aaron Avery. I'm
13 with the California Special Districts Association. CSDA
14 represents approximately 1,000 independent special
15 districts in the state of California, many of which are
16 CalPERS employers. I'm here today to just briefly touch
17 on the Investment Committee's decisions with respect to
18 portfolio selection and discount rate selection.

19 Can you hear me okay?

20 CHAIRPERSON TAYLOR: Um-hmm.

21 MR. AVERY: Okay. First of all, I've read the
22 materials that the staff has prepared and want to note
23 that we are aware that private equity is in the mix for a
24 continued investment vehicle. CSDA supports the use of
25 private equity and understands that this Committee needs

1 to go into new areas and accentuate others, in order to
2 achieve its investment objectives.

3 Speaking with respect to the discount rate
4 selection question that's before the Committee today.
5 CSDA's position is that we simply want the discount rate
6 to be as accurate as possible. And specifically, there
7 are a number of portfolio options before the Committee
8 today that will allow the Committee to achieve its
9 investment objectives, while not lowering the discount
10 rate, and to do so in a responsible manner that will not
11 increase costs on employers, such as CSDA's members. We
12 want to encourage the Committee not to select a discount
13 rate that goes below the current discount rate of 6.8
14 percent.

15 Finally, I want to thank the Committee and, in
16 particular, the CalPERS Stakeholder Relations
17 Investment -- or Stakeholder Relations management team for
18 robust and continuous engagement on this issue. It has
19 been appreciated and noticed.

20 Thank you.

21 CHAIRPERSON TAYLOR: Thank you, Mr. Avery. Lynne
22 Nittler.

23 MR. NITTLER: Yes. I'm a CalSTRS retiree with my
24 health care right here at CalPERS for which I am most
25 grateful. Carbon Tracker recently released a report

1 taking stock of coal risks, which finds that worldwide 220
2 billion of investment in coal plants could be stranded if
3 the world takes action to achieve the temperature goals
4 set out in the Paris Agreement. Stranding risk is most
5 prevalent on the Asian stock exchanges, which account for
6 almost 110 billion or 90 percent of the total.

7 The report looked at a total of 174 companies. I
8 didn't check all of these, but I can tell you that CalPERS
9 has investments in six of the top 10 companies most at
10 risk for stranded assets.

11 Investments in the six top companies at most
12 advice -- I'm sorry, over 50 percent of the listed
13 stranded asset is concentrated in these companies, JSW
14 Energy, Adani, Tata, KEPCO, Tohoku, and Reliance
15 Industries. Those are all in CalPERS. I plan to look --
16 sorry.

17 U.S. companies are not immune from these stranded
18 asset risks. Exchanges in New York hold seven billion of
19 potential asset-stranding related risks. Twenty-three
20 percent of this amount, that's 1.6 billion, relates to
21 coal assets held by Duke Energy followed by Dominion
22 Energy, and American Electric Power. Each accounts for 10
23 percent, 700 million worth. The website was down -- your
24 website was down over the weekend, so I couldn't check,
25 but I believe they're your companies.

1 Although the main focus of the report is to
2 highlight the stranding risk for operating coal, the
3 report separately analyzes new capacity. CalPERS also
4 invests in some of the top 10 companies in this category.
5 A new coal plant typically implies a commitment of 40
6 years. According to the report, this is a very risky bet,
7 since these coal plants are highly unlikely to generate a
8 return above their cost of capital over the project
9 lifetime, as a combination of carbon pricing, lower cost
10 renewables continuing to displace fossil fuels, and tight
11 carbon budgets in the wake of net zero announcements leave
12 limited space for running polluting coal plants. This may
13 in turn lead to early closures driven by policy decisions.

14 This is a signal to investor to avoid committing
15 capital to listed companies investing in new coal
16 projects. And finally, the report warns investors that by
17 investing in companies which own coal plants, there is a
18 significant risk of either not recouping the investment or
19 achieving an investment return below that originally
20 expected.

21 CHAIRPERSON TAYLOR: Thank you.

22 Miriam.

23 MS. EIDE: Thank you. My name is Miriam Eide and
24 I'm both a young person and I also work for Fossil Free
25 California.

1 And I'm here today to ask you all why I feel like
2 you're not listening. We've come to you for years asking
3 you to listen to the planet, to the people, to the literal
4 experience that you all have as you watch fires and
5 drought reshape what it means to be a Californian. And I
6 imagine that, like myself, you are all in a privileged
7 space, where you don't have to worry about what would
8 happen if I was displaced would I have some place to go?
9 You could probably name a friend or a family member whose
10 house you would stay at. You could identify the finances
11 that you would be able to put aside to move to be away
12 from your job, if that were so necessary.

13 But that is not true of everyone. And
14 increasingly it will be true of fewer people, because the
15 risks are rising. I am 23 right now. I have at least
16 probably 60 years left in my life. And every year, I look
17 at more and more fear that regardless of where I chose to
18 live anywhere in the world, I will be facing displacement,
19 whether temporary or permanent, because of climate change.

20 And I know you care. I don't think that the
21 CalPERS Board or the CalPERS pension would have shown up
22 in Glasgow, if you didn't, at least in name, care about
23 the future of this planet. And yet, you're willing to
24 show up in Glasgow to call for change and yet do nothing
25 yourself. You want other people to do that work for you.

1 You want to be able to say, yeah, I asked them to change
2 and they changed enough that we're clear.

3 But I'm telling you now, fossil fuel companies
4 are not the future. Fossil fuel companies are not going
5 to save your investments. They're going to be the end of
6 the world. So please consider investing in the future,
7 not the end.

8 Please consider looking at people like myself,
9 people who have many years yet to live, and ask yourself
10 do I really want to be part of why she, they, he will have
11 to move many times in their life to escape fire, to escape
12 grout, to escape tornadoes, to stay safe. Already, I can
13 point to reasons why I have asthma. I can point to
14 reasons why I wake up regularly in the middle of the night
15 unable to breathe. And I can tell you it has a lot to do
16 with the fact there's a train track or there's 20 plus
17 trains a day with fossil fuels that go past my house
18 within a thousand feet of my house.

19 I can tell you it's because I'm growing up in a
20 polluted environment and you have a choice to make. Will
21 you divest from fossil fuels?

22 CHAIRPERSON TAYLOR: Thank you.

23 If you guys can go. Mr. Brennand, and then we
24 will go to the callers.

25 MR. BRENNAND: Good morning, Madam Chair,

1 members. Terry Brennand on behalf of SEIU California.

2 I'm here today to comment about the ALM decisions and
3 process. I sort of echo the remarks of the representative
4 from the Special Districts that we should at a minimum be
5 adopting the portfolio and discount rate that matches the
6 rate you currently have. I understand there's concerns
7 about doing this without a sitting CIO, but my feeling is
8 this is a choice for the Board, and far less dangerous
9 than your actuarial formula that got us to the 6.8 percent
10 and created this situation where we had the highest return
11 in the last two decades of CalPERS, yet my members and
12 employers are paying more into the system.

13 The perverse incentive or understanding of that
14 is difficult for my members to grasp. You earned over 20
15 percent, yet they're paying somewhere between half a
16 percent to one and a half percent more out of their
17 paycheck, as are the employers. And that decision was not
18 made by this Board, not in an open session. You adopted a
19 formula that created this and now we're talking about
20 potentially going to 6.5. That's not something my members
21 are interested in. So we're supporting at least a 6.8.
22 Option 2 seems to make the most, since it has lower risk
23 and lower downside.

24 So we would encourage you to adopt that today and
25 at some future meeting consider abandoning the risk

1 mitigation actuarial formula that automatically triggers a
2 reduction in the discount rate and an increase in member
3 contributions without open session discussions, and
4 meetings, and Board.

5 Thank you.

6 CHAIRPERSON TAYLOR: Thank you, Mr. Brennand.

7 That's the end of our in-person comments, is that
8 correct?

9 Okay. Mr. Fox, we can move on to the callers.
10 It sounds like they fixed the sound.

11 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
12 Chair. Can you hear me now?

13 CHAIRPERSON TAYLOR: I can. Much better. Thank
14 you.

15 STAKEHOLDER RELATIONS CHIEF FOX: All right. Our
16 next caller is from the City of La Mesa, Tammi Royales.

17 MS. ROYALES: Hi. Good evening. Can everyone
18 hear me okay?

19 CHAIRPERSON TAYLOR: Yes. Thank you.

20 TAMMI ROYALES: Thank you. Good afternoon or
21 good morning. My name is Tammi Royales and I'm the
22 Director of Finance for the City of La Mesa.

23 First off, we do appreciate the hard work by
24 those who work at CalPERS on a daily basis and have the
25 responsibility to invest to the best of their ability to

1 get the highest return possible. We also appreciate the
2 Board and the decisions that you have to make without
3 having that Crystal ball that will give you the answers.

4 As we all know, back in 1991, then Governor Pete
5 Wilson took 1.5 billion from CalPERS to help balance the
6 State's budget. Then in 1999, then Governor Gray Davis
7 increased pension benefits due to CalPERS doing so well,
8 only to have the dot-com bust a year later.

9 This statement is not to be political, but to
10 better understand the history and how CalPERS has been
11 struggling to catch up due to past decisions and the
12 prices being paid by the municipalities that do not have a
13 say in those decisions.

14 At the City of La Mesa, our underfunded pension
15 liability has been 14 percent of our annual budget and
16 increasing to as much as 17 to 20 percent in the coming
17 years. This puts extreme financial strain on our local
18 resources as projects have to be deferred or canceled due
19 to lack of funding as we budget for increased UAL costs.
20 As we come out of the pandemic and inflationary numbers
21 start to rise, we cannot ask our constituents to pay the
22 price for past decisions.

23 Our residents are already hurting and it's our
24 responsibility to maintain sound financial governance.
25 The rate of return in fiscal year '21 was an anomaly. And

1 while the rules state that it automatically resets the
2 discount rate, I think we can all agree that the last 18
3 months have not been the norm.

4 The economy is currently on shaky ground and
5 budgets will be strained already throughout California.
6 Lowering the discount rate that will increase UAL payments
7 even more so only hurts all of us further. We are asking
8 you to make a sound decision of leaving the discount rate
9 at seven percent, or no lower than 6.8 percent that is
10 assumed.

11 Thank you very much.

12 CHAIRPERSON TAYLOR: Thank you.

13 Mr. Fox, next caller.

14 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,
15 the President of Cal Cities, Cindy Silva.

16 MS. SILVA: Thank you very much. Good morning.
17 I'm Cindy Silva, President of the League of California
18 Cities. And on behalf of the nearly 500 cities across
19 California representing 32 million residents, I want to
20 thank you for the opportunity to share comments on the
21 challenges our cities face regarding pension
22 sustainability, and specifically related to Item 7B on
23 your agenda today.

24 Before I make a few remarks, I would like to
25 thank all of the CalPERS Board members and staff members

1 who have taken the time to speak with Cal Cities and
2 engage with us on the impact of the decision you have
3 before you today. In particular, I'd like to thank
4 CalPERS CEO Marcie Frost for recently taking the time to
5 meet with representatives from across the state from our
6 cities. And I'd be remiss if I didn't acknowledge your
7 Board Member Lisa Middleton Mayor Pro Tem of the City of
8 Palm Springs for her work and her voice on behalf of our
9 cities on your Board.

10 I'll start by saying that our cities understand
11 the asset liability management challenges that you face.
12 You need to balance the risks of pursuing higher
13 investment returns with the need to protect the long-term
14 sustainability of the pension system for our public
15 employees in turn. We hope you can understand the
16 potential catastrophic impact to our cities if you decide
17 to again adjust the discount rate this year. Quite
18 simply, any additional lowering of the discount rate will
19 increase city pension costs, and, in turn, the adjustment
20 will impact city services.

21 Let me give you an example. I am City Council
22 member and three-time Mayor from the City Walnut Creek, a
23 full service city in the San Francisco East Bay. We are a
24 city of about 70,000 residents, but because we are a
25 center of commerce, our daytime population grows to more

1 than 125,000 people, which significantly increases the
2 demand for essential services for public safety and public
3 works.

4 For Walnut Creek this year, pension payments will
5 be about \$13.4 million, the equivalent of 15 percent of
6 this year's \$87 million operating budget. If you drop the
7 discount rate just a half point Walnut Creek's pension
8 costs will jump another three-quarters of a million
9 dollars, or the equivalent of four fully burdened police
10 officers.

11 And let's remember, we just had to come through
12 the pandemic and the economic impacts. We are working
13 hard to basically recover from that. And for the City of
14 Walnut Creek, the pandemic meant we had to cut services
15 and reduce staffing to cover more than 20 million in
16 anticipated revenue losses, and the ARPA funds only cover
17 about 40 percent of that.

18 It's because of the potential disastrous impact
19 to our cities' budgets that the League of California
20 Cities cannot, at this time, support an additional
21 lowering of the discount rate. However, we assure you
22 that Cal Cities remains committed to working hand in hand
23 with CalPERS to find balanced solutions that safeguard
24 retirement security, while ensuring local governments have
25 the resources needed to deliver essential services to our

1 communities.

2 I thank for your time and consideration.

3 CHAIRPERSON TAYLOR: Thank you, Ms. Silva.

4 Mr. Fox, next caller, please.

5 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair,
6 the next caller is with the California State Association
7 of Counties, Geoff Neill.

8 MR. NEILL: Good morning, Madam Chair and
9 members. Geoff Neill here with the California State
10 Association of Counties. Thank you for the opportunity to
11 speak to you today. I want to start also by thanking the
12 CalPERS executive team and the Stakeholder Relations team
13 who have, in my opinion, done an extraordinary job talking
14 about these complicated issues with all of us over the
15 past months.

16 We recognize at CSAC that the decisions you'll be
17 making related to the system's asset liability management
18 are difficult to say the least. It's a complicated issue
19 and we know it's not simply a question of higher or lower
20 costs for employers and employees, but a question of
21 whether the cost risks should be taken in the short term
22 or the long term, as well as, to a certain extent, how
23 those costs will be shared.

24 We also recognize that the change -- that the
25 discount rate has changed quite a bit over the last few

1 months and few years. And now at 6.8 percent represent --
2 as you know from the presentations that you've seen and
3 will be receiving today from your team is a discount rate
4 that is achievable with a reasonable investment portfolio.

5 We think would echo the comments of many here
6 encouraging the Investment Committee and the Board not
7 to -- to keep in mind the financial help of local agencies
8 whose revenue gains have not been as strong as the State's
9 in almost every case, when undertaking these decisions.
10 And look forward to engaging with you later in the week as
11 well.

12 Thank you.

13 CHAIRPERSON TAYLOR: Thank you.

14 Next caller, Mr. Fox.

15 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
16 Chair. From the City of Pasadena Matthew Hawkesworth.

17 MR. HAWKESWORTH: Good morning. Matthew
18 Hawkesworth, Director of Finance for the City of Pasadena.
19 I's like to start by thanking you for taking the time at
20 the start of today's meeting to hear our comments and the
21 comments from concerned members and agencies. Pasadena
22 sent a letter to all Board members on November 8th, 2021,
23 regarding our concerns for the ALM proposals being
24 considered today.

25 While CalPERS is a long-term investor, it

1 continues to make shortsighted decisions with
2 ever-changing methodologies, often abandoning policies in
3 just a few years. The constant manipulation of how
4 unfunded accrued liabilities are accounted for and paid
5 down by member agencies is an example of ever-changing
6 targets and policies.

7 From a rolling 30-year, to a fixed 30-year, to a
8 ramp up and down 30-year, to the current 20-year without
9 ramps. This constant manipulation of methodologies to
10 appease the loudest voices only harms the overall health
11 of the plan long term. This was never more evident than
12 when CalPERS adopted the ramp-up and ramp-down
13 methodologies during the Great Recession that ultimately
14 cost member agencies hundreds of millions of dollars in
15 added capitalized interest costs.

16 Today, the Board is considering investment
17 options that CalPERS cannot achieve without policy changes
18 that require legislation.

19 CalPERS CEO stated as recently as October 14th at
20 the workshop with Cal Cities that CalPERS intends to and
21 must seek legislation to be able to achieve the private
22 equity and debt targets.

23 The CalPERS Board should refuse to approve any
24 ALM methodology that it cannot achieve when adopted. If
25 CalPERS cannot achieve the private equity and debt targets

1 without legislation to expand its ability to conduct
2 investments in closed session without appropriate public
3 disclosure, Pasadena asks why is CalPERS considering
4 approval in the first place?

5 CalPERS has been unsuccessful the last two years
6 in getting legislation approved, but yet it is going to
7 approve a methodology based on that failed legislation?
8 It makes no sense.

9 Lastly, when cities speak up that they do want
10 their rates raised and they cannot afford large increases
11 in pension costs, it's assumed that CalPERS must take on
12 risk to achieve greater investment returns. There is a
13 disconnect from the mission from the statement. Cities
14 and member agencies cannot afford the volatility in
15 contribution rates that CalPERS will likely incur when
16 chasing discount rates. The UAL payment plan of 20 years
17 without ramps means that gains and losses are going to
18 create added volatility to our rates.

19 Taking on risk that may make the gains and losses
20 even greater will only harm the member agencies in the
21 long run. We need stable and sustainable rates, not rates
22 based on increased risk and volatility. We ask that the
23 Board push back on the proposals and insist AM
24 solutions -- ALM solutions that do not require legislation
25 to achieve.

1 Thank you for your time.

2 CHAIRPERSON TAYLOR: Thank you.

3 Mr. Fox, next caller.

4 STAKEHOLDER RELATIONS CHIEF FOX: Yes. Madam
5 Chair, the next caller from the City of Sacramento, Leyne
6 Milstein.

7 MS. MILSTEIN: Good morning. This is Leyne
8 Milstein, Assistant City Manager with the City of
9 Sacramento. Thank you for the opportunity to provide
10 comments on Item 7B, as you can consider ALM options.

11 Before I begin, I really want to thank your
12 Stakeholder Relations staff for their engagement, along
13 with your executive, Marcie Frost, and Board Member Lisa
14 Middleton for their efforts to engage and educate your
15 city officials on the scenarios you will be considering
16 today.

17 Sacramento and many cities have struggled to keep
18 pace with the pension, contribution increases of 2016,
19 resulting in a discount rate of seven percent. This
20 increase costs for the City of Sacramento by nearly \$67
21 million or more than 10 percent of our general fund making
22 pension costs currently 17 to 18 percent of our general
23 fund budget.

24 Further, we are already working on building in
25 the effective, the move to 6.8 percent, which to be clear

1 is not neutral, but results in increased costs over the
2 next several years.

3 Given already pending fiscal Challenges of COVID
4 and recent rate changes, we are supportive of the models
5 that keep the discount rate at seven percent or, if we
6 must, at 6.8 percent. As local governments continue to
7 recover from the negative economic impacts of the pandemic
8 on city budgets and services, we cannot support further
9 lowering of the discount rate without devastating effects
10 on some cities at this time.

11 It is imperative that the committee consider
12 employer affordability for the long-term sustainability of
13 the fund. Additional changes at this time would impose
14 significant burdens on cities, while focus should be on
15 supporting local government's pandemic recovery efforts.
16 Strong local government finances are essential to the
17 health of the pension system.

18 Thank you.

19 CHAIRPERSON TAYLOR: Thank you.

20 Mr. Fox, next caller.

21 I think we're not hearing.

22 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
23 Chair. Madam Chair, the next caller is from Rancho
24 Cucamonga, Lori Sassoon.

25 MR. SASSOON: Good morning. Thank you. Can you

1 hear me?

2 CHAIRPERSON TAYLOR: Yes, I can.

3 MS. SASSOON: Yes. Wonderful. Good morning. My
4 name is Lori Sassoon and I'm speaking today on behalf of
5 the city of Rancho Cucamonga and the Rancho Cucamonga Fire
6 Protection District to provide comment on Item 7B
7 regarding the discount rate selection.

8 Echo the other commenters that we appreciate the
9 efforts of the board and the staff to work with us, and to
10 reduce risk and improve the funded status of our plans.
11 However, we would urge the Board to consider the
12 downstream impacts of those changes on public employer
13 budgets.

14 We would note that page 23 of Attachment 1 to
15 this item shows even, with the current discount rate,
16 public agency employers are facing mean safety pension
17 rates of more than 40 percent with many agencies having
18 rates at or near the 50 percent of payroll level. As
19 Leyne mentioned from the -- Leyne from Sacramento
20 mentioned, those rates have been a result of the changes
21 made in 2016 that we continue to wrestle with.

22 Those types of rates put pressures on our
23 agencies to hold the line and even reduce payroll, which,
24 as you know, creates other types of adverse pressures on
25 the plan. It also reduces our budget ability to work on

1 pre-paying our UAL balances, as increases in normal costs
2 puts furthers pressures on our budget.

3 So we would urge you to continue to hold the
4 discount rate at current levels and consider other
5 modifications to the portfolio that balance risk and
6 return, while aligning with your CalPERS overall
7 objectives for the fund.

8 Thank you.

9 CHAIRPERSON TAYLOR: Thank you.

10 Mr. Fox, the next caller.

11 STAKEHOLDER RELATIONS CHIEF FOX: Yes. Madam
12 Chair, the next caller Sarah Duckett from Rural County
13 Representatives of California.

14 CHAIRPERSON TAYLOR: Thank you.

15 MS. DUCKETT: Good morning, Board. Sarah Duckett
16 on behalf of the rural county representatives of
17 California, commenting on Item 7B.

18 First, we would like to thank CalPERS staff for
19 all their work in bringing forth varied options in the
20 selection of a discount rate and investment portfolio. We
21 believe that actuarial, investment, and financial offices
22 have taken a thoughtful measured approach that prioritizes
23 CalPERS Investment Beliefs, including a long-term
24 investment horizon strategic asset allocation and taking
25 risks where there's a strong belief the fund will be

1 rewarded.

2 Reflecting on RCRC's input several years ago, our
3 member counties continued to seek predictability and
4 stabilize contributions. A lower level of volatility
5 helps our counties better plan for the future. While we
6 are not providing a position on each candidate portfolio,
7 we do note that Candidate Portfolio B2 with a proposed
8 discount rate of 6.8 percent and a five percent leverage
9 seems to best meet our mutual goal.

10 Thank you for this opportunity to comment.

11 CHAIRPERSON TAYLOR: Thank you very much.

12 Mr. Fox, the next caller.

13 STAKEHOLDER RELATIONS CHIEF FOX: Yes. Madam
14 Chair, the next caller from the California School
15 Employees Association, Sandra Barreiro.

16 MS. BARREIRO: Yes. Good morning Madam Chair and
17 members. Sandra Barreiro on behalf of the California
18 School Employees Association. CSEA supports an ALM
19 portfolio that assumes a higher discount rate to reduce
20 the potential for future employee contribution increases.

21 CalPERS saw historic returns this year and
22 members are questioning why they are paying more rather
23 than less out of their paychecks. Our economic recovery
24 outpaced predictions and selecting an ALM portfolio with
25 increased will help keep money in our member's pockets.

1 Thank you.

2 CHAIRPERSON TAYLOR: Thank you.

3 Mr. Fox, the next caller.

4 STAKEHOLDER RELATIONS CHIEF FOX: Yes. Madam
5 Chair, the next caller from the United Mine Workers of
6 America, Philip Smith.

7 MR. SMITH: Good morning and thank you for making
8 some time for me. My name is Philip Smith. I'm the
9 Director of Communications and Government Affairs for the
10 United Mine Workers. I want to bring to your attention an
11 issue that we are suffering with Apollo Global Management,
12 a private equity firm that you may be familiar with.

13 On April the 1st about a thousand of our members
14 went on strike at a company called Warrior Met Coal in
15 Alabama. This is a company that produces metallurgical
16 coal that's used to make steel not a company produces
17 thermal coal that's used to generate electricity.

18 Warrior Met Coal was created from the bankruptcy
19 of a company called Walter Energy in Alabama in 2016.
20 They group that led Walter Energy out of -- Warrior Met
21 Coal out of bankruptcy was led by policy. During the
22 proceedings in 2016, Apollo let creditors pursue a
23 restructuring strategy that depended on cuts of up to \$6
24 an hour in workers wages, the elimination of retiree
25 health care benefits and the elimination of payments into

1 the UMWA Health and Retirement Fund's pension plan. In
2 all, the company was relieved of about \$1.1 billion in
3 responsibilities to workers, again including moving
4 forward on their pension plan.

5 Since then, the company did an IPO in 2017.
6 Warrior Met Coal is part of the equity owners, including
7 Apollo, and a special cash distribution 1.9 -- I'm sorry,
8 \$190 million. And seven months after the IPO, the
9 company's Board paid another special cash dividend of \$600
10 million to the shareholders. Again, the largest returns
11 were Apollo funds, Blackstone's GSO funds, Franklin funds
12 and KKR.

13 Now, these dividends were financed from the
14 proceeds of one hundred -- a \$350 million private bond
15 offering and \$260 million in cash on hand. Apollo had, at
16 the time of the emergency from bankruptcy, two board
17 members on Warrior Met's board. And at this time, they
18 only have one, even though they have completely divested
19 themselves, as far as we can tell, from any financial
20 aspect of this company, but a board member still remains.

21 We believe that this Board Member, Mr. Gareth
22 Turner, can -- bears considerable responsibility for
23 having demanded so much of the workers while extracting
24 hundreds of million of dollars from the company via
25 dividends to themselves and their co-investors. They have

1 a moral responsibility to help settle this strike.
2 However, Warrior Met Coal refuses to make up any of the
3 sacrifices that the workers made in 2016. That allowed it
4 to come out of bankruptcy, hence we are still on strike
5 eight months later.

6 From our perspective and from your perspective we
7 think most importantly, we think Apollo's role at Warrior
8 Met Coal raises alignment questions for CalPERS, in terms
9 of what your -- you know what your pension policies are,
10 when you're looking at investments.

11 And lastly, we are sending you a letter, which
12 you will receive within the next couple days, regarding
13 this, and we will look forward to following up with you
14 and your staff as we move forward.

15 Thank you very much.

16 CHAIRPERSON TAYLOR: Thank you very much.

17 And, Dan, can we -- once we get that letter, can
18 you respond to them.

19 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes,
20 Madam Chair, we'll dig in definitely.

21 Thank you.

22 CHAIRPERSON TAYLOR: All right. Thank you. And
23 I don't know if we're in the fund that he's talking about
24 or not, but...

25 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

1 We'll dig into all of that whether we're
2 invested, if so, what approach we should take. We'll take
3 that as Chair direction.

4 CHAIRPERSON TAYLOR: Thank you very much.

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

6 Thank you.

7 CHAIRPERSON TAYLOR: Okay. Next caller, please,
8 Mr. Fox.

9 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
10 Chair. Sara Greenwald

11 MS. GREENWALD: Hello.

12 CHAIRPERSON TAYLOR: Hello. We can hear you.

13 MS. GREENWALD: Hello. Okay. My name is Sarah
14 Greenwald. You erudite, ladies and gentlemen, are ones I
15 do not need to tell about climate change. You know that
16 what's needed for the world to cut its carbon emissions
17 output is going to be difficult. But the good news is
18 that what you need to do is relatively easy. You also
19 heard the estimates that if CalPERS had divested 10 years
20 ago, they would have increased their profits by billions
21 of dollars. So I ask -- get your money out of a losing
22 investment. This is a double win that CalPERS has not
23 been taking advantage.

24 Well, change that now. Our nation and all
25 nations have a lot of work ahead of us. We must invest in

1 that work, not in old fashioned fossil fuels that need to
2 go anyway.

3 Thank you.

4 CHAIRPERSON TAYLOR: Thank you very much.

5 Next caller, please.

6 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
7 Chair, the next caller Lisa Sparaco from the California
8 Faculty Association.

9 MS. SPORACO: Good morning and thank you for
10 taking my call and seriously considering the comments of
11 my colleagues this morning. My name is Lisa Sporaco. I'm
12 an annuitant, a retired CalPERS pensioner at San Diego
13 State University. I'm also a member of CFA representing
14 over 29,000 academic workers in the CalPERS system. I'm a
15 voter in California and a global citizen concerned about
16 the climate crisis impacting all of us. I'm calling to
17 urge CalPERS to divest from fossil fuels. The role of
18 fossil fuels on climate change is indisputable across the
19 fields of science and knowledge.

20 Last spring, CFA passed a resolution calling on
21 CalPERS divestment from fossil fuels, which received broad
22 support from members across our 23 campuses. We will also
23 be doing more actions related to this to encourage CalPERS
24 to divest. As academic workers in the CSU, we have
25 scientific research and academic data indicating that it

1 would be fiscally sound to divest our pension funds from
2 fossil fuels.

3 In short, fossil fuel is no longer a viable
4 investment option, decreasing returns, especially for
5 pension funds, not to mention the moral imperative to do
6 the right thing for our children's children.

7 The UC system has already divested as have other
8 Ivy League schools like Harvard and Rutgers. Many CTA
9 Chapters and State Treasurer Fiona Ma are encouraging
10 CalSTRS to divest from fossil fuels. And many other
11 industries, as shared by others this morning, are
12 divesting and diversifying without risk to their funds and
13 portfolios.

14 To the contrary, their increased earnings speak
15 loudly to divesting from fossil fuels. Working for the
16 State of California has been a source of pride for me.
17 And throughout my retirement process, the folks at CalPERS
18 have been consistently helpful allowing me to focus on
19 other matters. Without good health care, I would not be
20 able to enjoy a healthy lifestyle. And any risk for
21 CalPERS is a risk to my personal well-being. Investing in
22 fossil fuels is risky business. It's not sustainable
23 fiscally nor environmentally.

24 Climate change resulting from the extraction,
25 consumption, and resulting pollution from fossil fuels is

1 the greatest threat to our collective well-being,
2 including the employees and workers of CalPERS.

3 I'm a new grandmother and I'm quite aware of the
4 consequences of fossil fuel consumer habits on generations
5 to come. In sum, CalPERS must act now for three basic
6 reasons, public health is in dire distress due to the
7 ongoing pandemic, and the cost of pension funds from
8 preventable illnesses stemming from the use of fossil
9 fuels are not sustainable. Research and development are
10 urgently needed in all energy and technology. And
11 divesting from fossil fuels will allow CalPERS to leverage
12 its economic stature, to find solutions, and shape public
13 policy leading to government action. And third, investing
14 in fossil fuels is not fiscally sound policy, as evidenced
15 by a growing number of universities, public and private
16 sector organizations, around the world. Current and
17 future employees in the state of California deserve
18 greater economic security.

19 So in closing, divesting from fossil fuels is
20 fiscally sound, socially responsible, scientifically
21 supported, and morally just. It's time to do the right
22 thing, divest CalPERS from fossil fuels from the --

23 CHAIRPERSON TAYLOR: Thank you, Ma'am, your out
24 of time.

25 MS. SPORACO: -- people you serve and in the name

1 of climate justice.

2 CHAIRPERSON TAYLOR: Thank you.

3 MS. SPORACO: Thank you.

4 CHAIRPERSON TAYLOR: Next caller, please, Mr.
5 Fox.

6 STAKEHOLDER RELATIONS CHIEF FOX: Madam Chair, we
7 have Todd Snider.

8 MR. SNIDER: Good morning, everyone. Thank you
9 for the opportunity to speak to you today.

10 The fiduciary responsibility of CalPERS is to
11 vest the money that the California public employees
12 contribute. And as we can see, that the most heavily
13 subsidized industry in the history of our economy is
14 failing. I demand that you divest immediately from the
15 fossil fuel industry that is contributing to the climate
16 emergency, and that you think of your grandchildren and
17 your families and what kind of world you're going to leave
18 them.

19 Going to COP26 in Glasgow Scotland is a gesture,
20 but what we really care about is action. So your PR stunt
21 and palling around with merchants of death and their
22 lobbyists may get you a few days of headlines and good
23 press, but you still have \$9 billion invested in merchants
24 of death. Please wake up, invest in clean energy. Do
25 your fiduciary responsibility and divest all of your

1 holdings from the merchants of death.

2 CHAIRPERSON TAYLOR: Is that it?

3 Thank you. Mr. Fox, next caller.

4 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
5 Chair. Carlos Davidson with the California Faculty
6 Association.

7 MR. DAVIDSON: Good morning, CalPERS Board.
8 Thank you for the opportunity to speak today. I'm a
9 member of the California Faculty Association, which
10 represents 29,000 faculty librarians, counselors, and
11 coaches in the California State University system. We are
12 all CalPERS members.

13 As you heard from several other speakers, earlier
14 this year, our union overwhelmingly passed a resolution
15 calling on CalPERS to divest from fossil fuel companies.
16 I understand that CalPERS prefers shareholder engagement
17 with fossil fuel companies over divestment. I believe
18 your efforts, while well-intentioned, are actually
19 detrimental to addressing climate change.

20 Former SEC Commissioner Bevis Longstreth put it
21 this way, quote, "Indeed engagement is likely to assist
22 big oil and big coal in postponing the day when
23 governments limit the burning of fossil fuels. The
24 International Energy Agency reckons that if governments
25 act to compel adherence to the carbon budget necessary to

1 have a chance of holding the planet to only 3.6 degrees
2 Fahrenheit rise in temperature from pre-industrial levels,
3 it will cause big oil and big coal to lose about \$1
4 trillion a year. Engagement with investors, like
5 Harvard -- institutional investors like Harvard, gives the
6 fossil fuel giants the protective cover they need to
7 stretch out the transition process to renewables for as
8 long as they can. It legitimizes talk over action",
9 unquote.

10 Despite more than a decade of yours and many
11 others' efforts at shareholder engagement, fossil fuel
12 companies remain the single most powerful obstacle to
13 government's addressing climate change. A recent CNN
14 headline is painfully illustrative. It was quote, "Big
15 oil goes all out to defeat Biden climate rules in Build
16 Back Better Plan", unquote.

17 Shareholder engagement is a failure for climate
18 change. Please divest from fossil fuels now. Thank you
19 very much.

20 CHAIRPERSON TAYLOR: Thank you.

21 Next caller, Mr. Fox.

22 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
23 Chair, Mr. Richard Godfrey, UCSF retired faculty.

24 DR. GODFREY: Good morning. Thank you all for
25 the opportunity of addressing the issue of CalPERS

1 investment in item 4 of your agenda. My name is Rich
2 Godfrey. I worked as an employee with Highland Hospital
3 and UCSF. I was a surgical oncologist and currently work
4 in the field of primary care.

5 I have good news, because Americans have
6 diligently worked to reduce air pollution in urban areas,
7 life expectancy has increased by 18 percent as documented
8 in the Journal of Epidemiology. All of you are aware that
9 using coal to produce electricity is cheap and provides up
10 to 30 percent of our usage, but the true cost is from the
11 release of carbon monoxide, sulfur dioxide, mercury, and
12 heavy metals. As many as 300,000 infants will have
13 developmental defects as a result of fine particular
14 matter pollution. And for adults, we encounter asthma,
15 emphysema, cancer, and premature death.

16 The good news is you can help prevent this.
17 Please divest from all coal-related companies and
18 corporations. And I thank you for making wise and moral
19 decisions on behalf of all CalPER -- all CalPERS
20 employees.

21 CHAIRPERSON TAYLOR: Thank you.

22 Next caller, please.

23 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
24 Chair, from Fossil Free California, Dana Stokes.

25 MS. STOKES: Good morning, Board Chair, and other

1 Board members. Thank you for this opportunity to address
2 CalPERS investment. And also, I greatly appreciate your
3 placing this comment period at the beginning of the
4 meeting. It makes it much more accessible for all public
5 commenters. Appreciate it.

6 And my comments specifically address CalPERS
7 engagement with its emissions creating holdings. It's
8 become obvious that the only way we can avert catastrophic
9 climate change is to transform the existing fossil fuel
10 based economy into a fossil free one as quickly as
11 possible. This obviously requires altering our individual
12 and collective investment and consumption behavior.

13 CalPERS claims it is contributing to this
14 transition by engaging as a shareholder with gross emitter
15 Climate Action 100 companies. But this engagement so far
16 has produced no measured greenhouse gas reduction results
17 from these companies, at least as far as I can find on the
18 Climate Action 100 website.

19 That website indicates that only 38 percent of
20 targeted oil and gas sector Climate Action 100 companies
21 has adopted this -- have adopted short-term, and only 21
22 percent have adopted medium-term Scope 1 and 2 greenhouse
23 gas emissions reduction benchmark targets. Only 54
24 percent of those companies have adopted long-term net zero
25 by 2050 emissions reduction targets.

1 In addition, 68 percent of upstream oil and
2 gas-focused companies in Climate Action 100, they're
3 unsanctioned projected oil and gas caused capital
4 expenditures - this is from 2020 to 2040 - do not meet the
5 demand constraints of the international energy agencies
6 beyond two degrees scenario.

7 Additionally, the Carbon Tracker Initiative
8 recently recorded that 94 of the 167 Climate Action 100+
9 target companies do not account for climate related risks
10 in their financial statements and audits.

11 CalPERS has -- from what I can see on the Climate
12 Action 100 website, CalPERS has not established carbon
13 reduction pledge deadlines for Climate Action 100+
14 companies. It has not established emissions reduction
15 reporting requirements or timelines for those companies.
16 And I can find no consequences for inaction by those
17 companies --

18 CHAIRPERSON TAYLOR: Ma'am, can you --

19 MS. STOKES: -- such as divestment.

20 CHAIRPERSON TAYLOR: Can you end up -- end your
21 comments, because you're at the end of your time.

22 MS. STOKES: Yeah. CalPERS pension holders like
23 me want to see real measured climate risk reduction in the
24 CalPERS portfolio. Please stop greenwashing and
25 incorporate real measurable costs and consequences for

1 company inaction in your Climate Action 100 shareholder
2 engagement.

3 Thank you.

4 CHAIRPERSON TAYLOR: Thank you.

5 Mr. Fox, next caller, please.

6 STAKEHOLDER RELATIONS CHIEF FOX: Madam chair,
7 that concludes public comment for this time frame.

8 CHAIRPERSON TAYLOR: Okay. Thank you very much.
9 And thank you, everyone, who came in person and who stayed
10 on the phone. I want to thank our people from our cities
11 and local agencies. We hear you. And SEIU, we do hear
12 you.

13 And also, Mr. Bienvenue, I was wondering if we
14 could look at -- and I don't know if you have to work with
15 Anne for this, but to look at where -- if we're going to
16 meet the Paris Accords, where our stranded assets might be
17 and have a report. I mean obviously, we're in the middle
18 of ALM. I don't expect it now. But after the first of
19 the year, if we could look at that and have you and Anne
20 work together on that. That would be really helpful for
21 this situation, because I agree I'm reading a whole lot of
22 articles where all the people that made these Climate
23 Action 100+ commitments and net zero commitments -- and I
24 know we need more data and stuff, but they're not holding
25 to these commitments and they're continuing to, you know,

1 pour more money into dirty fuel. So if we could look at
2 that, that would be very helpful, I think.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

4 Certainly. We can -- we can dig that -- dig into
5 that exact topic. Certainly stranded assets is something
6 that is -- you know, occupies a lot of our, you know, time
7 and energy looking at -- you know, through the imple --
8 the integration of -- into our investment decision-making
9 process, but we can definitely come up with a report for
10 this committee and then take it from, if that works.

11 CHAIRPERSON TAYLOR: Great. I'd appreciate that.
12 Thank you very much.

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

14 Okay. We'll take that as Chair direction also.

15 CHAIRPERSON TAYLOR: Okay. That brings us, I
16 believe, to the end of -- oh, I'm sorry. I did see two
17 people here and I almost forget.

18 Okay. And I did want to say one other thing real
19 quick that we -- before I start with Ms. Brown first, that
20 somebody addressed our private debt issue. And I just
21 wanted to make sure everybody knows that we're trying to
22 bring private debt in-house. It has nothing to -- we can
23 do private debt, but somebody made a comment about having
24 to do legislation to meet our rate of return and that's --
25 we don't have to do legislation. We would like to bring

1 that in-house to make sure our State employees can do that
2 work.

3 So, Ms. Brown, you're next. Let me make sure I
4 get you on. It looks like you're on. Go ahead.

5 Let me try -- not, it went off.

6 Try again.

7 There you go.

8 COMMITTEE MEMBER BROWN: Now, it's red. Thank
9 you. Thank you, Madam Chair. I'd like to, first of all,
10 thank the staff for putting public comments at the front.
11 I know that it's very difficult a hold on the phone or
12 wait here all afternoon to make your comments. And so I
13 do appreciate the fact that we did change up the agenda to
14 allow public comments first.

15 I wanted to respond to the gentleman from United
16 Mine Workers. I don't know about the issue, but I know
17 that Mr. Bienvenue will look into that. I, too, have
18 concerns with private equity when it takes money off the
19 back of workers. And I hope we will be able to influence
20 what's going on with that investment, if we are, in fact,
21 invested in that.

22 I also want to thank all the people who provided
23 comments about the ALM adoption. And I do share the City
24 of Pasadena's concerns that we should adopt a solution
25 that is both stable and sustainable. As somebody with an

1 accounting and finance background, I do know that the
2 volatility in the payments and the changing of the
3 methodologies are problematic and we need to give cities
4 and agencies some stability in what's coming forward.

5 And then lastly, I would like to say I truly and
6 sincerely appreciate the public comments and emails from
7 persons and organizations concerned about our environment.
8 I want you to know, I hear you. And I think it is
9 in with -- it is within this Board's purview to direct the
10 staff to divest from thermal coal and fossil fuel
11 companies. I don't know why we don't do that. And I
12 honestly think we should take a harder look at what we're
13 doing, because I don't believe engagement is working. And
14 I would sincerely hope that this Board in the future does
15 that.

16 I don't have my seat after January, so I won't be
17 able to help, but I'm bringing it here publicly saying
18 here out loud that I think we need to go in a different
19 direction.

20 Thank you.

21 CHAIRPERSON TAYLOR: Ms. Middleton. Oh, hit it
22 again.

23 COMMITTEE MEMBER MIDDLETON: Am I on?

24 CHAIRPERSON TAYLOR: No, you're not. Try one
25 more time.

1 There you go. Here we go.

2 COMMITTEE MEMBER MIDDLETON: All right. Thank
3 you. I'd like to thank all of the public comment that we
4 received. It was very important and I as well appreciate
5 that we did it at the beginning of the meeting. As we
6 move forward, one of the issues that we do need to look at
7 is the building of a energy grid and system that
8 incorporates green energy. And I'd like to request that
9 the Investment Office come forward to us with a listing of
10 all of the renewable energy projects that we are involved
11 in, those organizations that are taking and building solar
12 power plants and farms, those that are building wind
13 energy, so that we have a good description of what we're
14 doing to invest in the kind of energy that is going to
15 make a difference as we move forward.

16 Thank you.

17 CHAIRPERSON TAYLOR: Dan, I guess we just added
18 another thing to your plate.

19 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.

20 CHAIRPERSON TAYLOR: And I do appreciate it.

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

22 Absolutely. I saw you nodding there, Madam
23 Chair, so we'll take that as direction there also that
24 we'll bring back a report that includes all of our
25 renewable projects.

1 CHAIRPERSON TAYLOR: I think that will help and
2 go kind of hand in hand with what we're looking for here.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yep,
4 definitely.

5 CHAIRPERSON TAYLOR: Thank you very much.

6 Ms. Yee. Oh, hold on, Ms. Yee. I don't have you
7 clicked yet. There you go. Ms. Yee.

8 COMMITTEE MEMBER YEE: Great. Thank you, Madam
9 Chair. I want to be mindful about the requests that are
10 being made that, in fact, this information has been shared
11 in a number of different ways. And rather than adding new
12 workload to the staff, we do have our Green Report, or SB
13 964 report, that actually has really been a model for how
14 we begin to look at employing the TCFD framework. And so
15 I would ask that maybe it be done in that context, because
16 it is integrated with all the activities around how we
17 look at sustainability in some of our investments going
18 forward, so -- and also tracks our progress with respect
19 to reaching our goal of getting to net zero.

20 So I think that would be really proper to bring
21 forward. Maybe orient the Board about, you know, just
22 really Building on that, because it really has been seen
23 as a model for how we look at our integration work with
24 other institutional investors around the world.

25 CHAIRPERSON TAYLOR: Thank you, Ms. Yee. And I

1 think I get what you're talking about, because that helps
2 us with the data and keeps it consistent, but I'm still
3 looking for the answer about those stranded assets. I
4 think --

5 COMMITTEE MEMBER YEE: Yeah, and I think that
6 could be even within that context. The problem is that
7 we're, on the one hand, trying to do integration, so
8 you're going to see a lot of that embedded in some of the
9 asset classes, and not necessarily kind of distinct
10 investments. And so, you know, whether it's our real
11 assets or other asset classes. So -- and the staff can
12 tease all that out, but I really want to kind of stick to
13 this framework, because that -- the major problem, as
14 someone pointed out, is data and how we're reporting this.
15 And I think we just have to be part of the leadership in
16 building, you know, how we look at the data that we're all
17 trying to operate under in moving to our net zero goals --
18 net carbon goals.

19 CHAIRPERSON TAYLOR: Thank you. Yes, I agree.
20 That makes sense. So I appreciate that.

21 And I appreciate all our speakers again. Thank
22 you very much. I'm very happy that we did move this to
23 the beginning of the meeting. Thank you very much staff
24 for doing that.

25 At this point interest, we're going to recess now

1 into closed session for Items 1 through 7 from the closed
2 session agenda, and the open session -- I just want to
3 make sure nobody else wants to talk -- the open session
4 Investment Committee meeting will reconvene following the
5 closed session. Again, thank you everyone. And I would
6 say, let's give it 15 minutes, because I think our court
7 reporters need a break anyway. So at 10:30, we will
8 reconvene into closed session in here, yeah.

9 (Off record: 10:46 a.m.)

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

12 (Thereupon the meeting reconvened
13 open session.)

14 (On record: 3:00 p.m.)

15 CHAIRPERSON TAYLOR: We'll reconvene open
16 session, and after public comment -- first of all, I want
17 to make sure, because I'm not sure I said this earlier.
18 Please be aware that the meeting is being transcribed by
19 our court reporters remotely. And I want to move on to
20 Item number 3, approval of the November 15th, 2021
21 Investment Committee timed agenda. I need a motion.

22 VICE CHAIRPERSON MILLER: So moved.

23 CHAIRPERSON TAYLOR: Moved by Mr. Miller.

24 COMMITTEE MEMBER JONES: Second.

25 CHAIRPERSON TAYLOR: Seconded by Mr. Jones.

1 Ms. Hopper, can you take our vote, please? And
2 this is an electronic vote guys. So all those in favor --

3 Okay. All those in favor?

4 (Ayes.)

5 CHAIRPERSON TAYLOR: All right. All those
6 against?

7 Okay. Thank you.

8 Moving on to Item 4, Executive Report. Dan.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.
10 Thank you, Madam Chair. Good afternoon. Before I get to
11 my opening remarks, I do want to take a moment to
12 acknowledge some Simiso Nzima who is with us here today,
13 as our newly appointed Managing Investment Director for
14 Global Equity. Simiso has a wealth of experience,
15 including both equity analysis and portfolio management
16 before joining CalPERS, some 16 years ago, and then here
17 at CalPERS in roles including emerging markets portfolio
18 management, synthetic equity management, and more recently
19 leading our corporate governance activity within global
20 equity.

21 So we're really very fortunate to have Simiso as
22 part of our investment leadership team. I'm certainly
23 honored to recognize him as our Managing Investment
24 Director for Global Equity, so I just wanted to take a
25 second to congratulate Simiso.

1 CHAIRPERSON TAYLOR: Congratulations, Simiso. Is
2 he here?

3 There he is.

4 (Applause.)

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: All
6 right. Now as I was preparing my opening remarks and
7 looking at the agenda, it occurred to me that we had one
8 kind a common theme about today's agenda, and that is that
9 CalPERS being a long-term investor. You know, we speak to
10 this clearly in our Investment Beliefs that a long time
11 horizon is a responsibility and an advantage.
12 Specifically, long time horizon requires that CalPERS
13 consider the impact of its actions on future generations
14 of taxpayers and that we encourage our investment
15 companies and our external managers to consider the
16 long-term impact of their actions.

17 And while we reflect these Beliefs, really every
18 day throughout the portfolio and the portfolio management
19 process, I did want to highlight one such example from our
20 Private Equity Program. Greg Ruiz and his team, working
21 with leading global general partners and limited partners,
22 helped to create the ESG Data Convergence Projects to
23 advance an initial standardized set of ESG metrics and a
24 mechanism for comparative reporting.

25 So this group's objective is to streamline the

1 private equity industries historically fragmented approach
2 to collecting and reporting ESG data, in order to create
3 material, comparable, performance-based ESG data from
4 portfolio companies. And, of course, that data is really
5 critical in our sustainability efforts for the fund and
6 for our fund's ability to manage risk and generate returns
7 over the long term.

8 So I really just wanted to take a moment to also
9 congratulate the private equity team for their role in
10 leading this very important work.

11 (Applause.)

12 CHAIRPERSON TAYLOR: Thank you.

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Now,
14 or Investment Beliefs also state that a key success
15 measure for the CalPERS investment program is the delivery
16 the long term return target for the fund. And the
17 emphasis on long-term return is intentional in those
18 Beliefs. And we really only need to look back over the
19 past two quarter ends to see the reasons why. It looks
20 like we've got the slides up here.

21 (Thereupon a slide presentation.)

22 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So
23 what you have in front of you is the PERF's performance
24 from the quarterly update on performance and risk from the
25 end of June 2021. And in looking at the one-year number,

1 all the way to the right, at the end of June, you can see
2 that private equity underperformed the benchmark by over
3 17 percent. And if you'll recall from my comments in
4 September when we reviewed the performance to the end of
5 June, this was more than the entirety of the PERF's
6 underperformance of 42 basis points that you see there at
7 the bottom right-hand side of the page.

8 Can we get the next slide, please?

9 --o0o--

10 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Now,
11 here we have the exact same report, but this one is to the
12 end of September 2021. And this report is in today's
13 materials, Item 6C, the quarterly update on performance
14 and risk. And what you can see here is that by fast
15 forwarding just three months, and again using the one-year
16 number, private equity now outperformed the benchmark by
17 144 basis points, contributing to the PERF outperforming
18 its benchmark by 79 basis points.

19 So for private equity in just three months, that
20 represents a swing of nearly 20 percent in the one year
21 relative return number. And for the PERF, again in just
22 three months, it translates to a swing of 120 basis points
23 in the one year relative return number.

24 Now note that very little change in either the
25 Private Equity Program or the PERF portfolios, and the

1 Investment Strategy was intact throughout. It was just
2 market dynamics that drove the benchmark, and therefore
3 the relative performance figures.

4 And this speaks clearly to our need to take a
5 long horizon when assessing portfolio performance,
6 especially for private asset portfolios or for portfolios
7 that contain private assets the way the PERF does.

8 Now, if we go out to five and 10 years, the
9 changes are much more muted. At five years, the impact to
10 the PERF is just 11 basis points relative to the 120 basis
11 point swing we saw in the one-year number. Note the
12 negative two basis points there at the five-year number
13 right in the middle of the slide for September.

14 And, Caitlin, if we go back to the previous
15 slide, you can see it was negative 13 at the five-year
16 number, so again just 11 basis points. And if you go out
17 to 10 years, it's even more muted, being just five basis
18 points. So being flat here at the end of June in the all
19 the way left column at zero to -- next slide, please.

20 --o0o--

21 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: --
22 to that five basis point number at the end of September.
23 So the main point is really just that measurement must fit
24 the purpose. Short-term results are worth looking at.
25 They can represent a canary in a coal mine for market

1 changes or for changes in the portfolio, but they really
2 do reflect short-term market dynamics that may be here
3 today and gone tomorrow, and therefore they must be
4 considered in context.

5 So we clearly look at all periods, but the five-
6 and 10-year numbers is where it starts to make sense to
7 look at the outcomes of the strategic asset allocation.
8 And, of course, we know the strategic asset allocation is
9 the dominant driver of the PERF's total return.

10 And that brings me to today's agenda, because we
11 have several items before the Committee today, including
12 strategic asset allocation. We lead off with the consent
13 items, which includes the usual items, but also included,
14 since it's November, are a couple of annual legislative
15 reports and importantly our annual CalPERS for California
16 Report.

17 Then we'll move on to two action items for the
18 Committee's consideration. The first is a continuation of
19 our asset liability management work, now pivoting to the
20 affiliate funds and specifically presenting capital market
21 assumptions for adoption by the Board, following the same
22 methodology as that of the PERF. And these assumptions,
23 of course, are critical building blocks in the development
24 of candidate portfolios for the Committee's consideration
25 in March. And the second action item represents a further

1 step in the ALM process for the Public Employees'
2 retirement Fund, or PERF, looking to adopt both the
3 discount rate and a strategic asset allocation to support
4 that discount rate.

5 And then the final item for today will be an
6 information item, the annual review of the Board's survey
7 results regarding your investment consultants. And that's
8 what we have before us today. And with that, Madam Chair,
9 I'll turn it back to you to take any questions or to take
10 us through the agenda.

11 CHAIRPERSON TAYLOR: Certainly. Thank you, Dan.
12 So we do have some questions. Ms. Brown.

13 COMMITTEE MEMBER BROWN: Thank you. I noticed
14 the agenda is very full, but we are missing information
15 regarding my questions in September about our China
16 investments, in terms of Evergrande and real estate
17 holdings, as well as any losses that we may have incurred
18 as a result of changes by the government over there. So
19 we're you unable to get it on this agenda? I might be
20 able to understand that, but just wondering when we're
21 going to get that update.

22 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

23 Yeah. So from September, I believe we were
24 directed to send a report to the Board, which was done is
25 my understanding is that it got to all Board members, but

1 not to agendize.

2 COMMITTEE MEMBER BROWN: Oh, so I did receive the
3 report, but the problem is it's just one data point. It
4 just tells us what our holdings are. It didn't -- doesn't
5 actually answer the question which I asked, which was how
6 much money have we lost? I was concerned. You know, like
7 MSCI had to -- went down like eight percent, and there was
8 a lot of losses as a result of I think Evergrande and then
9 the changes to -- for technology and what the government
10 is, you know, happening over there. And so you gave us
11 one data point, but that doesn't tell us anything. It
12 doesn't -- it just says what our current holdings are. So
13 again, if that information could be a little more robust
14 and talk about the changes or any, you know, gains or
15 losses, it would helpful to know.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So
17 pursuant to my -- what I was just saying about short-term
18 performance, one of the challenges of looking at
19 performance is what time period you use. So over the last
20 maybe year, I would say China has underperformed the
21 global equity exposure in the equity space. I would say
22 over the longer term, China has at least held its own, if
23 not slightly outperformed. And it's a diversifier, but it
24 really depends on what time period you use to talk about
25 how the -- how the performance has been. And that was one

1 of the --

2 COMMITTEE MEMBER BROWN: I'll take a -- I'll take
3 a three-year peek, you know, going fiscal year, if that's
4 possible.

5 CHAIRPERSON TAYLOR: So I don't remember that
6 being the question.

7 COMMITTEE MEMBER BROWN: Oh.

8 CHAIRPERSON TAYLOR: I do remember her wanting to
9 know what the holdings were. So, I mean, if you want to
10 put that out on email, if you can do a three-year look,
11 that would be great.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: We
13 can certainly do a -- do a three-year performance for our
14 Chinese equity investments --

15 CHAIRPERSON TAYLOR: Yeah.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
17 -- versus the rest of the portfolio.

18 COMMITTEE MEMBER BROWN: Thank you.

19 CHAIRPERSON TAYLOR: And we'll -- we can take
20 that as Chair direction.

21 CHAIRPERSON TAYLOR: Sure. Thank you.
22 Mr. Jones.

23 COMMITTEE MEMBER JONES: Yeah. Thank you, Madam
24 Chair. I don't want to have it pulled for a full
25 discussion, but I would ask if they could highlight the

1 CalPERS for California Report, 6i, to talk about our
2 investments in California, how it's adding to our
3 California economy and creating jobs. Just a brief
4 high-level few comments, Madam Chair, from staff.

5 CHAIRPERSON TAYLOR: Do you want to do that, Dan?

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

7 Happy to. So we actually have the consultant
8 that prepared that report joining us today and so maybe
9 I'll ask Pacific Community Ventures to see if they can
10 come up and quickly just give us a couple of highlights
11 from the report, if that helps, Mr. Jones.

12 COMMITTEE MEMBER JONES: Thank you.

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

14 Thank you.

15 CHAIRPERSON TAYLOR: Thank you.

16 COMMITTEE SECRETARY HOPPER: Madam, are you going
17 right to the information consent, then go back to 5a
18 action consent items.

19 CHAIRPERSON TAYLOR: No, we have not. So why
20 don't we wait until we get there. We're almost there.

21 So I need 5a, action consent items, approval of
22 the September 13th, Investment Committee meetings minutes.

23 VICE CHAIRPERSON MILLER: Move approval.

24 CHAIRPERSON TAYLOR: Moved approval by Mr.
25 Miller.

1 COMMITTEE MEMBER JONES: Second.

2 CHAIRPERSON TAYLOR: Seconded by Mr. Jones.

3 Pam, this one is required to be electronic?

4 COMMITTEE SECRETARY HOPPER: (Shakes head.)

5 CHAIRPERSON TAYLOR: Nope. All right.

6 All those in favor say aye?

7 (Ayes.)

8 CHAIRPERSON TAYLOR: All those opposed?

9 Seeing none. Motion passes.

10 On to agenda Item 6, and that's the information
11 consent items. And the only thing that I got asked to
12 pull was CalPERS for California Report, and if you would
13 give us a few highlights on that.

14 Right to your left, I believe.

15 MS. GUPTA: Is this on now?

16 CHAIRPERSON TAYLOR: Yes, you are.

17 MS. GUPTA: Thank you. Hi. My name is Bulbul
18 Gupta. I'm the CEO for Pacific Community Ventures. We
19 helped prepare that report. I think just in terms of a
20 few highlights. Obviously, this is the nation's largest
21 pension fund representing over two million employees. As
22 an institutional investor, CalPERS is pretty diversified
23 across different asset classes. And really we see the
24 jobs across the different zip codes in California very
25 much driven by the dynamism of the diverse economy in

1 California. I think we see an overall benefit of about
2 168,000 jobs that have benefited through the CalPERS
3 investments within the state.

4 What else can I share?

5 I think we're really looking at sort of the
6 economic analysis across different zip codes in
7 California, based on the different types of investments,
8 so across private equity, real estate, and infrastructure.
9 Is there anything specific I can help answer?

10 COMMITTEE MEMBER JONES: What is the economic --

11 CHAIRPERSON TAYLOR: Hold on, Henry. There you
12 go.

13 COMMITTEE MEMBER JONES: What is the economic
14 benefit to the state of California as a result of this --
15 these allocations?

16 MS. GUPTA: So I think we see an overall
17 investment of about \$22 billion in the state of California
18 through CalPERS across the different asset classes.

19 COMMITTEE MEMBER JONES: Okay. Thank you. Thank
20 you. Good information. Good impact on California.

21 CHAIRPERSON TAYLOR: Yes. Thank you.

22 Is this -- this used to be biannually. Is it
23 annually now this report?

24 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: You
25 know, I don't recall it being biannual. I think it's -- I

1 think it's been annual for a while now.

2 CHAIRPERSON TAYLOR: Maybe when I first started
3 then it was --

4 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
5 Maybe. Yeah, I could be mistaken.

6 CHAIRPERSON TAYLOR: Because I remember it was
7 like every other year.

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I
9 know the last few years it's just been annual, but it
10 could have been before that, Madam Chair.

11 CHAIRPERSON TAYLOR: Yeah. All right. Thank you
12 very much.

13 Moving on to agenda item 7a, Asset Liability
14 Management, Adoption of Affiliate Funds' Capital Market
15 Assumptions.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Yes.
17 Thank you, Madam Chair, And I think we're got Christine
18 Reese and Sterling Gunn joining us here. This, as you
19 say, moves us to our first action item of the day, which
20 is the adoption of the capital market assumptions for the
21 affiliate trusts. And I'll just mention, the capital
22 market assumption methodology follows directly with that
23 of the PERF. So I'll turn it over to Christine Reese to
24 take us through the item.

25 (Thereupon a slide presentation.)

1 INVESTMENT DIRECTOR REESE: Great. Thank you.

2 Thank you.

3 All right. Good afternoon, Madam Chair and
4 members of the Committee. Christine Reese, CalPERS team
5 member. I'm here to present for adoption the capital
6 market assumptions for the affiliate funds. The affiliate
7 fund CMAs have been developed using the same method as was
8 used for the Public Employees' Retirement Fund CMAs, which
9 were adopted at the September Investment Committee
10 meeting.

11 The CMAs include -- let's see, if we go to page
12 three, the projected returns for five years, 20 years, and
13 projected volatility for 20 years.

14 --o0o--

15 INVESTMENT DIRECTOR REESE: And on page four --

16 --o0o--

17 INVESTMENT DIRECTOR REESE: -- is that asset
18 class correlations for 20 years. Similar to the
19 presentation at the September meeting, there is
20 information about economic scenarios in the appendix. The
21 CMAs we're asking for approval for are based on a baseline
22 economic scenario. There's also information in the
23 appendix about the upside, the downside, and the related
24 CMAs, although we are not asking for approval of those --
25 the information in the appendix.

1 CMAs.

2 COMMITTEE MEMBER YEE: I see. Okay. Okay. Got
3 it. And then the rationale for including private equity
4 in the affiliate funds' capital market assumptions. Just
5 curious about that given that the discount rate is
6 generally lower than the PERF, so...

7 INVESTMENT DIRECTOR REESE: Yeah. Private equity
8 is something that, you know, the affiliate funds, you
9 know, have grown over time. It is an asset class that
10 deserves to be evaluated to determine if it is appropriate
11 for any of the trusts. We're not saying it is and we're
12 not saying it isn't. We're just wanting to include the
13 CMAs, so that we can then do the evaluation. And we would
14 bring that information back to the Committee in March.

15 COMMITTEE MEMBER YEE: Okay. That makes sense.
16 Great. Thank you.

17 INVESTMENT DIRECTOR REESE: You're welcome.

18 COMMITTEE MEMBER YEE: Thank you, Madam Chair.

19 CHAIRPERSON TAYLOR: Thank you, Betty.

20 Mr. Jones.

21 COMMITTEE MEMBER JONES: Yeah. Thank you, Madam
22 Chair. The question I have is about the -- on these
23 slides about economic scenarios. And I'm going to ask the
24 question now. I notice the same chart is in our next
25 present, but I'll ask it here and I won't repeat it when

1 we get to the next item.

2 And it's regarding -- number one, it's regarding
3 the inflation -- baseline inflation, upside and downside.
4 And I'm just wondering with all of the new current
5 discussions on inflation rising at a very rapid rate, does
6 that inform your decision of any changes on these
7 inflationary rates?

8 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: You
9 know, Mr. Jones, we were expecting that question. So the
10 short answer is no. It does seem that inflation has been
11 a little less transitory than we would have expected, but
12 certainly ours are 20-year type assumptions. And like the
13 Fed, we would keep our assumption. However, we're happy
14 to dig further, and both Scott and Sterling are here to
15 dig into that question, if helpful.

16 COMMITTEE MEMBER JONES: Okay. It doesn't need
17 to be here. I just want to get a feel for it. I may
18 bring it again. I just wanted to hit it, since this came
19 up first. Okay.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
21 Right. Okay.

22 CHAIRPERSON TAYLOR: We can bring it up at the
23 next --

24 COMMITTEE MEMBER JONES: Okay. Okay.

25 CHAIRPERSON TAYLOR: -- because they have

1 discussion of inflation in the next section.

2 COMMITTEE MEMBER JONES: The next session. Okay.

3 And the second question on this page is the no
4 assumptions made on U.S. fiscal infrastructure bill. And
5 I assume this was developed before the signing of the
6 infrastructure bill. Do you have any different viewpoints
7 on the implications of infrastructure bill at this time?
8 I know it was -- this was prepared before that signing,
9 but now it has been signed.

10 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

11 Again, a very similar answer. So, yes, these
12 slides were prepared before the bill was signed, so it --
13 that's the reason that it's reflected in the slides the
14 way that it is. But again, no specific impact from that
15 bill.

16 COMMITTEE MEMBER JONES: Okay. Thank you.

17 CHAIRPERSON TAYLOR: Great. Thank you.

18 All right. So this is an action item.

19 COMMITTEE MEMBER FECKNER: Move approval.

20 CHAIRPERSON TAYLOR: Mr. Feckner has moved
21 approval.

22 I need a second.

23 COMMITTEE MEMBER JONES: Second.

24 CHAIRPERSON TAYLOR: Second by Mr. Jones.

25 Pam -- all those in favor? I can do it that way

1 or do I need to do it electronically?

2 COMMITTEE SECRETARY HOPPER: No, I don't believe
3 you need to take an electronic vote on this.

4 CHAIRPERSON TAYLOR: Okay. All those in favor
5 say --

6 (Ayes.)

7 CHAIRPERSON TAYLOR: All those opposed?

8 All right, 7a passes.

9 We're moving on to 7b and that is the trust level
10 asset liability management for the PERF and the discount
11 rate selection. So we're looking at that right now.
12 Thank you.

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

14 Yeah. So moving on to 7b, we have -- in our
15 second action item of the day, namely adoption of a
16 discount rate for the PERF and then the strategic asset
17 allocation that supports that discount rate. And it looks
18 like we have Sterling and Scott joining us.

19 Recall that in September, we discussed three
20 possible methodology changes, namely optimizing on
21 drawdown, rather than optimizing on volatility; secondly,
22 the strategic use of leverage; and then third, exploring
23 multi-period optimization. And after September's
24 suggestion, we're here with candidate portfolios that are
25 optimized on drawdown. They do have strategic leverage as

1 an option for the Board to adopt. And then there are
2 portfolios with single period optimizations. And given
3 the added complexity that comes with multi-period, coupled
4 with the discussion in September, Investment staff
5 believes that single period is a better approach at this
6 point. So the candidate portfolios that you'll see in the
7 body of this item reflect single period optimization.

8 So I'll turn it over to Sterling and Scott to
9 take us through this one. So Sterling, over to you.

10 (Thereupon a slide presentation.)

11 MANAGING INVESTMENT DIRECTOR GUNN: Thank you,
12 Dan. Good afternoon, everyone. I'm here with Scott to
13 present the five candidate portfolios that we've developed
14 with the methodologies that Dan has just described.

15 I believe that the five candidate portfolios you
16 see actually do spend a reasonable range of choices with
17 different balances between contribution rates, between
18 funding ratio, between portfolio risk, and expected
19 returns. So I think it's a pretty good suite of
20 representative -- of a reasonable choice.

21 The way the materials are structured, the first
22 few pages here are a bit of a review, but we want to be
23 able to go over that material again, in case there were
24 any questions around some of the innovations that Dan has
25 mentioned, so the leverage, for example, and the drawdown,

1 or the multi-period.

2 The novel aspect of the presentation today is a
3 combination of the five candidate portfolios followed by
4 the very detailed actuarial analysis that Scott and his
5 team have done to better understand the risks associated
6 with the contribution rates and with funding ratios.

7 Now, with your permission, the first few slides
8 we provided as reference material. So there's a glossary
9 and the pros and cons. There are very similar to what was
10 presented in September. Going by memory, the only
11 exception to that is that the pros and cons for the
12 multi-period optimization now mentions that it is more
13 complex, and that's a con. Other than that, those two
14 pages are the same. So with your permission, I will skip
15 them.

16 See if I can find the right arrow here. There we
17 go. So with that then, I'd like to move to the slide on
18 leverage.

19 --o0o--

20 MANAGING INVESTMENT DIRECTOR GUNN: And again,
21 we've included leverage as a strategic allocation in order
22 to improve the diversification in the portfolio and to
23 help reduce risk. So we think that's an attractive
24 feature and that feature is apparent when you compare the
25 asset class mix in the two bar columns to the right. So

1 if you look at those columns, the left-hand column where
2 there's no leverage, you do see a slightly higher equity
3 exposure represented by the blue asset classes there and a
4 little less of the fixed Income.

5 So by and large with the use of leverage, we can
6 reduce the equity exposure just a smidge and increase the
7 fixed income exposure. And the overall effect is with a
8 modest level of leverage, we have a modest decrease in the
9 drawdown risk of the portfolios. So that really is the
10 key takeaway message for the strategic allocation of the
11 leverage.

12 In terms of a five percent, the intent here, we
13 feel quite comfortable doing this. We have a dashboard
14 for liquidity and for leverage that we monitor regularly
15 and we think we're quite capable of managing through the
16 five percent leverage at this time.

17 If we go to the next slide.

18 --o0o--

19 MANAGING INVESTMENT DIRECTOR GUNN: This is the
20 comparison of the single period versus multi-period. And
21 as Dan mentioned, we're not recommending this, but I just
22 wanted to highlight it after quite a bit of discussion in
23 September. It is something that in the future I think has
24 a role to play here, but probably better to understand the
25 complexities and the uncertainties that come with it

1 first, before we go down that path.

2 What we have here though is just a quick
3 comparison of two portfolios, one designed single period,
4 one designed multi-period to get some sense of the
5 benefits, as well as the differences. So if we look at
6 Portfolio B2, this happens to be a portfolio that has a
7 projected return of 6.8, and over 20 years has drawdown
8 risk of 23 percent and a volatility of 12 percent.

9 And if we compare that over the 20 years with the
10 multi-period, you do see a slight reduction in risk from
11 23 to 22.1. You do see a slight reduction in volatility,
12 but you do see the same projected return. So the
13 differences do lie in the middle -- or sort of the near
14 term and the long term, where you do see significant
15 differences in the level of risk between the single period
16 and multi-period, and some differences in the returns.

17 But all in all, we thought it would be best at
18 this point to not recommend the multi-period and perhaps
19 come back at a later time to discuss it further in more
20 detail.

21 CHAIRPERSON TAYLOR: Thank you.

22 --o0o--

23 MANAGING INVESTMENT DIRECTOR GUNN: The last
24 innovation at least in terms of the CalPERS ALM introduced
25 was the drawdown risk measure. And really what this slide

1 does illustrate is that drawdowns are just a feature of
2 being an investor. So here we have a history starting
3 with about 20 years ago and you do see some significant
4 drawdowns, first of all. Measuring drawdowns, of course,
5 is well aligned with our objective of minimizing losses.

6 The other thing we illustrate here, of course, is
7 the benefit of diversification. Even a well diversified
8 portfolio will experience losses. And depending on the
9 level of risk and returns that we are seeking determines
10 just how much we will participate in those drawdowns.

11 What's important here is the blue line, the
12 diversified portfolio lower losses, trading off against
13 less in terms of opportunity. That's always the
14 trade-off, so lower returns in return for lower risks,
15 lower drawdowns. So that's the primary illustration
16 takeaway from that slide.

17 --o0o--

18 MANAGING INVESTMENT DIRECTOR GUNN: If we move to
19 the next slide. This was the materials we're just trying
20 to illustrate exactly what drawdown is. And maybe I'll
21 spend a few minutes on this slide, if that's all right
22 with everyone.

23 CHAIRPERSON TAYLOR: Please.

24 MANAGING INVESTMENT DIRECTOR GUNN: I wanted to
25 point out, first of all, it is well aligned with our

1 constitutional objective of minimizing losses. That's a
2 little bit different than volatility. So to see the
3 difference, if we look to the diagram on the right-hand
4 side, we have a bell curve that represents the
5 distribution of possible returns. The volatility measures
6 the variability around the mean. The mean is that
7 vertical blue line. So the greater the volatility, the
8 wider our bell curve. That's an important feature.

9 But volatility involves both gains and losses, so
10 we've moved to a feature, a measure for drawdown. So what
11 do we have here? If you look at the side labeled
12 "Losses", there is the potential there. And the way we
13 measure is we look at the three-year distribution. That's
14 our starting point, look at what happened over three
15 years. And we simulate. We understand the nature of all
16 the possible drawdowns in terms of the modeling there and
17 then we pick what we think is sort of an extreme drawdown.

18 In this particular case, we take the worst 10
19 percent of all the drawdowns - that's the little red area
20 that we've highlighted - out of all the possible
21 drawdowns, and we take the average value from the red. So
22 it's basically sort of an average extreme loss, as best as
23 we can model it. And the objective when we construct the
24 portfolio then is for a given target of returns to try to
25 minimize that potential loss.

1 I'll stop there just for a second. There's quite
2 a bit there to unpack perhaps. If there are any
3 questions, I'd be happy to answer them.

4 CHAIRPERSON TAYLOR: Not yet.

5 MANAGING INVESTMENT DIRECTOR GUNN: Not yet.
6 That bodes well.

7 All right. We also mentioned here, of course,
8 just on the left there, there are some decisions we've
9 made as an organization to try to mitigate drawdowns as
10 well. So that's another reason why we believe this
11 measure is aligned with both our constitutional
12 objectives, but also our strategic objectives of trying to
13 minimize drawdown.

14 --o0o--

15 MANAGING INVESTMENT DIRECTOR GUNN: So with that,
16 we get to the really -- the novel part of the presentation
17 today, at least the first part of the novelties, which is
18 the actual five candidate portfolios. And again, they are
19 a reasonable sampling of both levels of risk and projected
20 return. Let me start from the left-hand side, where have
21 the asset allocation for the current portfolio. That's
22 just to give us a sense of where we are today. You'll
23 notice it has a fair amount of public equity and a modest
24 amount of fixed income. And it has one percent allocated
25 to liquidity.

1 So basically, we were allocating one percent to
2 effectively cash willing to incur the cash drag. You'll
3 notice there is no liquidity allocation in any of the
4 candidate portfolios. And the reason for that is our
5 level of confidence in our ability to now manage
6 liquidity. We've mentioned, you know, we have dashboard.
7 We monitor this regularly. We do stress tests. We look
8 at liquidity over three days -- seven days, 30 days, and
9 90 days. And we're always asking ourselves do we have
10 sufficient liquidity?

11 And the answer is, yes, we have lots. We have
12 treasuries. We have agency mortgaged-backed securities,
13 and we have lots of public equities, so we have lots of
14 liquidity today. And even when we venture into these new
15 portfolios, we believe we will have lots of liquidity at
16 that time as well. So we're fairly confident we don't
17 need to explicitly allocate to cash and incur that drag.

18 Now, if we look to the candidate portfolios
19 themselves, two sets come in pairs and then one doesn't,
20 so I'll just walk through them. We have two portfolios
21 that have a projected return of 6.5 percent. We'll have
22 the statistics on the next page in terms of the actual
23 amounts of risks and so on for each of these portfolios.

24 But the overall pattern here is about 50
25 percent -- and again my eyesight is a little bit tough

1 from here -- but public equities. And we have a sliver of
2 leverage, three percent leverage. It just so happens that
3 this is a -- getting this level of return does not demand
4 a lot of leverage, in terms of diversification benefits,
5 because there was already a fair amount fixed income in
6 the portfolios. If we go to 6.8 projected return, there
7 we do see now again public equities, but the leverage does
8 reduce the public equities, and we do see an increase in
9 the allocation to the fixed income.

10 The last portfolio C1, it's actually not possible
11 to get to the 7.0 percent portfolio, in part that's
12 because of constraints, that the asset classes that do
13 provide those high returns we simply cannot get enough of
14 them. So the private equity, for example, is one of the
15 promising asset classes there. So as a result, the
16 leverage here does offer the best possible diversified
17 portfolio, but with that -- you still can't get there
18 without leverage, so it's a bit of a tradeoff there.

19 So those are the five candidate portfolios
20 offering again a range of risks, in terms of portfolio
21 drawdown, and as well as the projected returns.

22 The next slide --

23 --o0o--

24 MANAGING INVESTMENT DIRECTOR GUNN: -- quantifies
25 these things. And again, you know, these are numbers and

1 they are certainly indicative, but -- they're -- they come
2 from models, but they do give us some insight and some
3 idea of the directionality of these things.

4 So again, we can compare. And I think what
5 stands out actually is that the current portfolio has a
6 projected return of 6.2 percent, but a risk -- drawdown
7 risk of 22.6 percent. It's simply not designed for the
8 times. The times have changed since this portfolio was
9 put together. So if we look at the other portfolios, if
10 we look at 6.5 -- well portfolios A1 and A2, we have
11 projected returns of 6.5 for both of them. The first is
12 not levered, so you see it has a drawdown risk of 20.4
13 percent, whereas the levered version, which is at three
14 percent leverage, has drawdown of 20.1 percent, so a
15 modest decrease in drawdown risk.

16 If we go to portfolios B1 and B2, here now again
17 we have a levered and unlevered portfolio. Unlevered
18 portfolio, 6.8 percent projected return with a drawdown of
19 23.6 percent. We can compare that with a drawdown for the
20 levered portfolio, which is 23 percent. Again, a modest
21 reduction in that -- in that level of risk in return for a
22 modest level of leverage.

23 The last portfolio, C1 is levered, and it has a
24 projected return of 7.0. And you can see a significantly
25 higher drawdown than the others at 25.5 percent. So the

1 pattern you do see, not surprisingly, is increasing levels
2 of drawdown risk as we increase the projected returns.
3 You can also see that compared to the current portfolio,
4 they're all quite good choices in terms of the risk-return
5 tradeoff.

6 So if there are no questions of me at this point,
7 I will hand it over to Scott.

8 CHAIRPERSON TAYLOR: I do have some question.

9 So Ms. Brown. Hold on.

10 COMMITTEE MEMBER BROWN: Thank you. Can you --
11 can you tell me why we don't have -- when we look at A1
12 and A2, you used -- or A2 you used three percent leverage
13 and you don't have a model that shows five percent
14 leverage? And then again for B1 and B2 why you don't have
15 a model that shows projected return at 6.8 percent with a
16 three percent leverage? Because I'd like to see those
17 comparables.

18 MANAGING INVESTMENT DIRECTOR GUNN: Okay. So
19 what we actually did was put a maximum limit that we would
20 allow the leverage to be. And we said five percent.
21 We've looked at 10 and we looked at 20 and thought well,
22 you know, if we're easing into this and we -- you know, I
23 don't want to get into implementation details. That's
24 something we can work through over the next little while,
25 that this would be a good starting point. So the three

1 percent meant that that particular portfolio didn't use --
2 need to use the maximum amount of leverage that was
3 available to accomplish the 6.5 percent.

4 I mean, we can -- I can -- we can go back to do
5 it.

6 COMMITTEE MEMBER BROWN: No, no, because I
7 understand that. So let me ask you another question. You
8 said we're easing into this. Are you saying that you're
9 going to be -- right now, you're asking us for five
10 percent leverage. Are you saying that you want to look at
11 more leverage as you go forward?

12 MANAGING INVESTMENT DIRECTOR GUNN: I think as
13 a -- as an organization, we should be looking at these
14 things and asking ourselves that question, yes.

15 CHAIRPERSON TAYLOR: Dan.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

17 Yeah. We think leverage is a good tool in the
18 toolkit for the Board to try to maintain the returns --
19 the desired returns while keeping the portfolio
20 diversified. Right now though, we do think that asset
21 prices are expensive, given Fed intervention and other
22 global central bank intervention. So as a result, we
23 think the right answer is to go in slowly with just a five
24 percent allocation.

25 Now, as Sterling said, in the case of the six and

1 a half percent portfolio, the optimization was done the
2 same way only going at 6.5 versus 6.8. But because it was
3 only going at 6.5, the optimizer only needed to use three
4 percent of the leverage, as opposed to the full five when
5 you go at 6.8.

6 COMMITTEE MEMBER BROWN: Thank you.

7 CHAIRPERSON TAYLOR: Thank you.

8 MANAGING INVESTMENT DIRECTOR GUNN: Thank you for
9 your question.

10 CHAIRPERSON TAYLOR: So I think our appetite for
11 this leverage is -- right at the moment, I think five
12 percent sounds good, but -- so let me move on to Ms.
13 Middleton.

14 I'm going to turn you on. Let me know if you
15 need me to turn you off. Okay.

16 COMMITTEE MEMBER MIDDLETON: There you go. All
17 right. Thank you.

18 All right. Dan, thank you, and Sterling,
19 everyone. You indicated that the current portfolio is
20 just simply not up to what the demands are of the current.
21 How long has that been the case?

22 MANAGING INVESTMENT DIRECTOR GUNN: That's hard
23 to say frankly. There was a review two years ago, so I'm
24 thinking this happens over time. We've had a lot of
25 events just in the last year with COVID, for example. So

1 it's hard to give you an exact answer, but...

2 COMMITTEE MEMBER MIDDLETON: So we've had a lot
3 of conversation around the question of leverage. As I
4 understand it, that's not new to our portfolio that we
5 currently have leverage. How much leverage is currently
6 in the portfolio?

7 MANAGING INVESTMENT DIRECTOR GUNN: So we have,
8 at the moment, I think around seven percent, including the
9 leverage in the real estate book over and above the
10 benchmark amount of leverage in real estate plus the CLOs.
11 There's one other source as well. I forget what it was.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

13 Yeah. So right now the active leverage relative
14 to the benchmark. And there -- in some parts of the
15 portfolio, there is leverage in the benchmark and
16 depending on how you measure it. But right now the active
17 leverage in the portfolio is about four percent, so
18 benchmark relative leverage is about four percent.

19 COMMITTEE MEMBER MIDDLETON: So if we move to a
20 five percent, we are not making a dramatic change in terms
21 of what we are doing when it comes to leverage, is that
22 correct.

23 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

24 Correct, I think that's a fair characterization.

25 COMMITTEE MEMBER MIDDLETON: All right. And

1 there was a question regarding the C1 that would get to
2 seven. And your answer was that that's not achievable
3 because there just simply are not enough assets in private
4 equity that would get us to that. Is that something
5 that's clear over time -- a long period of time or is that
6 just what it would -- what it would take to be able to get
7 to the numbers you need in a short period of time.

8 MANAGING INVESTMENT DIRECTOR GUNN: Well, I think
9 it's the -- right for the short period of time, I think
10 this is actually the case here, that there are constraints
11 on how much of these asset classes -- over the long time,
12 you know, we can try to work on relaxing these
13 constraints. And there's the potential then to do more,
14 but that's a long period of time.

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And,
16 Ms. Middleton, let me just clarify quickly. Getting to
17 seven is something that we can do with leverage. What
18 Sterling said was that you can't get there without
19 leverage, given the constraints on the asset classes.
20 However, we do -- we are working on ways to deploy more
21 capital in all of the private assets, private equity,
22 private debt, real assets to try to raise those
23 constraints, because we do think that, you know, you have
24 to balance not going too fast, but really trying to figure
25 out a way to deploy asset at scale, while keeping our

1 underwriting standards high and maintaining the, you know,
2 focus on co-investment and the cost advantages. That's
3 really the focus is to try to bring those constraints up
4 for consideration by this Board, because we know we have
5 less of those assets than many of ours peers and even some
6 of similar size.

7 COMMITTEE MEMBER MIDDLETON: If we were to be
8 making a comparison to some of the best performing pension
9 funds would their asset allocations come closer to the 6.8
10 and 7.0 allocations that you're recommending or what we
11 currently have?

12 MANAGING INVESTMENT DIRECTOR GUNN: There's a
13 mixed bag there. I'd say a number of those funds will
14 have significantly larger, but still a lower discount
15 rate, so the reason I was sort of struggling there for a
16 second is -- but the allocations themselves would be
17 larger.

18 COMMITTEE MEMBER MIDDLETON: Thank you. And
19 would there be a change in the amount of fixed income
20 investments, if we were to get closer to what best
21 practices are?

22 MANAGING INVESTMENT DIRECTOR GUNN: Again, it
23 varies, but those institutions use leverage in order to
24 maintain a well-diversified portfolio. So again, they
25 tend to have lower risk. They do have more private assets

1 and they tend to have a slightly lower return expectation.

2 COMMITTEE MEMBER MIDDLETON: Thank you.

3 CHAIRPERSON TAYLOR: Is that it?

4 COMMITTEE MEMBER MIDDLETON: Yes.

5 CHAIRPERSON TAYLOR: Mr. Jones.

6 COMMITTEE MEMBER JONES: Yeah. Thank you, Madam
7 Chair.

8 Yeah. Just a clarification. Ms. Middleton asked
9 what was the current leverage and I think you said four
10 percent. And then she said, well, we go from four
11 increase by one percent to get to five. But is my
12 understanding correct that the four percent is part of the
13 20 percent and five is in addition, so it goes to nine
14 instead of five, correct?

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

16 Correct. And if I gave the characterization that
17 it was --

18 COMMITTEE MEMBER JONES: Yeah. Okay.

19 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

20 -- four to five, then that was not correct. It's
21 definitely four to nine. Now, I don't -- I don't view
22 that as a --

23 COMMITTEE MEMBER JONES: Yeah, I know.

24 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

25 -- significant difference.

1 COMMITTEE MEMBER JONES: Yeah, I just wanted to
2 clarify.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: But,
4 yes --

5 COMMITTEE MEMBER JONES: Okay.

6 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
7 -- you math is correct, Mr. Jones.

8 COMMITTEE MEMBER JONES: Okay.

9 CHAIRPERSON TAYLOR: Is that it, Henry?

10 COMMITTEE MEMBER JONES: Yes.

11 CHAIRPERSON TAYLOR: All right. Ms. Yee.

12 COMMITTEE MEMBER YEE: Thank you, Madam Chair.

13 And I know we're going to go into the risk and
14 the employer contribution discussion shortly, but I wanted
15 to just understand the candidate portfolios a little bit
16 more. And thank you to Ms. Middleton for the
17 clarification on C1 and the challenges that particular
18 portfolio would present.

19 And I guess if you were to look at just kind of
20 the uncertain markets, you can make a case for portfolio
21 A1, but we know that this is the one option that would
22 increase employer contribution rates more than the others,
23 and so that's a significant challenge.

24 And I think what I'm really focused on is kind of
25 these -- the two options B1 and B2, and I'm looking at

1 them and they don't seem all that far apart. I guess if
2 we weren't going to make any change in leverage from what
3 is currently in place, I guess just help me kind of think
4 through -- and maybe this is going to come up when we talk
5 about risks, but particularly since the 6.8 percent
6 discount rate is already known. It's been reset as a
7 result of that RMS policy, and -- but I guess like what's
8 the convincing aspect about including leverage, because it
9 just seemed very, very closely aligned, both B1 and B2.

10 MANAGING INVESTMENT DIRECTOR GUNN: So again,
11 it's a strategic allocation, so this is a starting point,
12 something that will help the organization become familiar
13 with having -- sorry -- with being familiar with having a
14 fixed allocation, and that over time we could have further
15 conversations and ask ourselves if we are comfortable with
16 this and if we think we are getting the benefits around
17 diversification that we believe we will. And if, so then
18 over time, and future ALMs and so on, we could ask
19 ourselves if perhaps we would like to do more. But
20 without starting, it would be hard for us ever to have
21 that conversation.

22 COMMITTEE MEMBER YEE: Okay. Yeah, I mean, I
23 just -- I was really trying to kind of see what the
24 distinction was at this point, since they both really look
25 very similar in terms of diversification and drawdown risk

1 and volatility. And so if we were not to entertain any
2 change of leverage at this point in time, I guess what's
3 the argument to refute that -- a decision to not make any
4 change in leverage at this time.

5 MANAGING INVESTMENT DIRECTOR GUNN: I'm sorry. I
6 couldn't hear very well.

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Why
8 don't I take a -- take a stab at it. It's a great
9 question, Ms. Yee. And it is the case that what we're
10 starting with is a modest amount of leverage, right? And
11 I would say the big -- the big argument for there, is as
12 Sterling said, is to get started, just to start seeing if
13 we're comfortable adding leverage to the strategic asset
14 allocation. And we could always come back from that, but
15 we -- I do think, we do think it is a -- it is a good tool
16 to have in the toolkit.

17 COMMITTEE MEMBER YEE: Um-hmm.

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And
19 we do know that some of our sort of, you know, Ms.
20 Middleton talked about some of our, you know, best
21 performing and best practiced plans. Most of our
22 counterparts to the north, State of Wisconsin and some of
23 the best performing U.S. plans, they do have leverage in
24 their strategic asset allocation, so we do think that it's
25 a best practice to add.

1 The biggest differences, while your point is
2 accurate, they're not -- they're not huge, but you can see
3 that Portfolio B2 goes, relative to Portfolio B1, goes
4 from 34 percent cap-weighted equity to 30 percent
5 cap-weight equity, goes from four percent investment grade
6 corporates to 10 percent. So again, more of the fixed
7 income assets and a little less of the --

8 COMMITTEE MEMBER YEE: Right.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

10 -- of the equity assets. And then if we do move
11 on to the next slide --

12 --o0o--

13 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

14 -- you can just see that again B1 versus B2, 23.6
15 percent drawdown risk for B1 with no leverage and then 23
16 percent drawdown risk for B2 with five percent leverage.

17 COMMITTEE MEMBER YEE: Yeah.

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So

19 again not -- you know, not striking differences, but all
20 directionally accurate differences that we think reflects
21 a slightly better portfolio.

22 COMMITTEE MEMBER YEE: Uh-huh. Okay. And I
23 guess I'm still -- you know, sometimes you read something
24 that's just on paper and it just sticks with you. But the
25 question I asked earlier about, you know, the resulting

1 higher losses with certain market conditions in place.
2 And so I guess ultimately, if a question is, you know,
3 does the risk outweigh the benefit? And we won't
4 necessarily know that at the outset, but it is something
5 that I think about when we embark more down the road of is
6 this increasing our leverage capability.

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And
8 I would say the main environment where that gets us, and
9 Arnie and I were talking about this a little bit earlier,
10 and it goes back to Mr. Jones' question.

11 COMMITTEE MEMBER YEE: Yeah.

12 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: In a
13 hyperinflationary environment, you would probably see both
14 equities and bonds sell off at the same time --

15 COMMITTEE MEMBER YEE: Yeah.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
17 -- and by the same magnitude and that's an
18 environment now. Again, if we go back to that slide on
19 drawdown, I think it's slide eight, please. So when we
20 model the drawdown and that - Sterling talked about it -
21 that 10 percent worst periods where you have a three-year
22 period where the market comes down, the way that this --
23 these curves were generated was by basically running 5,000
24 simulations. So when you run those 5,000 simulations,
25 they are a few of them where with leverage, you get a --

1 you get a worse drawdown.

2 COMMITTEE MEMBER YEE: Um-hmm.

3 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: But
4 of the 5,000, it's s very -- it's a very modest few
5 relative to much more where you have a -- have a, you
6 know, a better outcome from having leverage.

7 COMMITTEE MEMBER YEE: Yeah. Okay. All right.
8 Thank you for the explanation. Thank you, Madam Chair.

9 CHAIRPERSON TAYLOR: Thank you.

10 All right. I think that's all the questions for
11 right now, if we want to move on.

12 MANAGING INVESTMENT DIRECTOR GUNN: Thank you.

13 --o0o--

14 CHIEF ACTUARY TERANDO: All right. Good
15 afternoon, Committee members. Scott Terando with the
16 Actuarial Office.

17 Part of a key consideration when we look at and
18 evaluate these portfolios is to look at the impact of
19 these portfolios both on the contributions, as well as the
20 funded status and the risk associated with the various
21 portfolios. So what we have here is we're going to step
22 through the impacts, you know, on the State miscellaneous
23 plan and the schools plans. Two State plans, we're going
24 to go through contributions and risk and then we'll move
25 over to the impact on the public agencies. So kind of

1 covering State plans first and then moving on to public
2 agencies.

3 So starting off with the State's miscellaneous
4 and schools plans, what we have here is we have projected
5 contributions under the -- on what we call the baseline
6 contribution and the three different discount rates that
7 we're looking at. The baseline is what we call is
8 basically taking from the June 30, 2020 valuation results.
9 And it's reflected by the dashed black line. And then we
10 have a colored line for the three various discount rates
11 displayed here.

12 I would -- some things to note is that the rates
13 all trend down over the next five years, regardless of
14 which discount rate is chosen. And we also should note
15 that the rates on -- under all the discount rates are
16 lower than the projected rate under the 2020 valuation.
17 The reason those rates are all lower is the 21 percent
18 return -- investment return that was obtained last year.

19 So you can see, it's a very similar pattern
20 between the State miscellaneous and the schools pool.
21 Rates go up and then tend to come down. You see more of a
22 spike with the 6.5 discount rate compared to the other two
23 plans or discount rates. That's due to -- part of that is
24 due to the Risk Mitigation Policy.

25 The Risk Mitigation Policy makes sure there's not

1 an increase in contributions on the unfunded side for the
2 6.8. And that's why you see the rate staying fairly level
3 and then dropping after that, but you do see that spike
4 with the 6.5 percent discount rate.

5 --o0o--

6 CHIEF ACTUARY TERANDO: Going on to this chart
7 here, what we do is we have all five portfolios displayed
8 here and we're -- what we have is we have expected
9 employer contributions over the next 30 years. We have a
10 distribution of those contributions for each of the five
11 portfolios. And we also have the probability of falling
12 below 50 percent under each of the portfolios.

13 Now, if -- let' start with the, you know, first
14 column A1, and we just look at the top section. You see
15 the median contribution rate at 19.3 percent. We have the
16 kind of a higher 25th percentile and the 75th percentile
17 to kind of give a range of where those contributions of
18 9.6 and the higher end of 35.5. And below that we have
19 the probability of falling below 50 percent, and that
20 comes out as 12.8 percent. Going across, we have that
21 same information for all five portfolios, for the State
22 plan, and then underneath it, the same information for the
23 schools.

24 Some things to note on this chart, as the
25 discount rate increases, the probability of falling below

1 50 percent increases as well. So as the discount rate
2 increases, the problem -- the risk associated with falling
3 below 50 percent increases. Kind of offsetting that would
4 be the decrease in contributions. You can see the
5 contributions decrease as they -- as we increase in
6 contr -- discount rate. I think you're all very familiar
7 with that, as a higher discount rate relates to lower
8 contributions.

9 Now if -- comparing just two portfolios, one with
10 leverage and one without leverage, say, for example, we're
11 looking at B1 and B2, the range of contributions stays
12 relatively the same. The median drops somewhat when you
13 add leverage, I think what seems evident is that the
14 probability of falling below 50 percent drops when you add
15 leverage. You know, for Portfolio B1 versus B2, that
16 probability for the State plan dropped from 19.4 percent
17 to 17.7 percent, and it was similar for the schools as
18 well.

19 --o0o--

20 CHIEF ACTUARY TERANDO: Moving on to the public
21 agencies. What we have here is we have a discount rate
22 impact on the first-year employer contributions for the
23 non-pooled public agency plans. We have the three
24 discount rates for consideration. And we have it broken
25 down into what we call lower funded, medium funded, and

1 higher funded plans.

2 As you can see, the expected contribution is
3 higher as -- for each of the lower discount rates, but you
4 can see a more, I think, substantial impact is being
5 generated by the funded status. As you can see, the
6 difference between medium funded versus lower funded, the
7 contribution rates differ by roughly 20 percent. And that
8 still holds even between the higher and the -- funded and
9 the lower -- and the medium funded plans.

10 You know, the takeaway from this would be that
11 the funded status is a key factor in the current
12 contribution rates, and it's something to just keep in
13 mind as we discuss risk and where the plans are in terms
14 of contribution levels.

15 --o0o--

16 CHIEF ACTUARY TERANDO: For public agencies,
17 we've kind of taken the same information that was in the
18 chart and we put it in graph information and we split it
19 out. For here, we look at the average employer
20 contribution rate for public agencies for the five
21 portfolios. We've kind of graphed out the distribution of
22 those average rates over the next 30 years and we have the
23 median rate on the far right to kind of give you some
24 perspective of where those rates fall. The distributions
25 that you would -- looking at them are very similar.

1 It's slightly different between the discount
2 rates. Obviously, between A1 and A2, they're fairly
3 identical, as well as B1 and B2. And as the discount rate
4 increases, there's obviously a shift towards lower
5 contributions. The median rate you can see on the far
6 right obviously decreases as they increase in discount
7 rate.

8 --o0o--

9 CHIEF ACTUARY TERANDO: Moving on to what we call
10 the risk, the probability of a funded ratio dropping below
11 50 percent. We see more disparity between these,
12 especially between, you know, the A portfolios and the B
13 portfolios, and the C portfolios. If you look at the
14 median values on the far right, you can see that going
15 from a discount rate of 6.5 to 6.8 results in an increase
16 of, you know, five percent in terms of the probability
17 dropping below 50 percent. So, you know, you're going
18 from say around 15 percent up to 20 percent.

19 Likewise, when you go to the six -- the seven
20 percent, you're looking around still another five percent
21 increase in risk for plans dropping below 50 percent.

22 --o0o--

23 CHIEF ACTUARY TERANDO: And here's where we
24 discuss the impacts on PEPRA member employee
25 contributions. I think you -- everyone is well aware that

1 when PEPRA was implemented, part of the law states that
2 employers and employees are required to share the normal
3 cost. As we drop down the discount rate and include the
4 new assumptions that were being proposed tomorrow, there
5 are -- there is impacts on employee contribution rates.

6 If you look at the first group of charts here, we
7 have the average rate increase expected for the PEPRA
8 employees at 6.5, 6.8 and 7 percent discount rate. And
9 looking at the 6.8 discount rate, you can see that we
10 expect the average rate increase to be 0.8 percent. So
11 that's almost one percent increase in employee
12 contributions. On the right-hand side, we have the
13 percent of non-pooled public agency plans that we
14 anticipate being affected by these changes.

15 At the 6.5 percent, we expect a hundred percent
16 of the plans to be impacted. And that for -- you know, a
17 6.75 for example, a hundred percent of the plans would be
18 impacted and we see the median rate being 1.4 percent.
19 Moving down to the 6.8 Percent discount rate, we're still
20 seeing -- anticipating over 90 percent of the plans having
21 an impact on the employee contribution rates.

22 And then finally on the far right, with the seven
23 percent discount rate, you can see there are still plans
24 having an impact. The number of plans have dropped down
25 to around 30 percent, but you can see the average increase

1 is still over half a percent on the employees.

2 And I will pause here for questions.

3 CHAIRPERSON TAYLOR: Yes, we do have questions.

4 Mr. Jones.

5 COMMITTEE MEMBER JONES: Yes. Thank you, Madam
6 Chair. Yeah, what these charts demonstrate that there's a
7 fixed universe. You got three sources of revenue, you got
8 the investment returns, you've got the employee
9 contributions, and the employer contributions. So you can
10 go out and take risks on seven percent. If you don't get
11 it, it's going to come right back to affect the employer
12 and the employee, in some cases. So I think we need to be
13 mindful of that bigger seven percent risk, because if we
14 don't achieve it, we're going to come back and hit the
15 employer.

16 CHIEF ACTUARY TERANDO: That's true. And that
17 risk translates directly to the employer's side. So as
18 you mentioned, you know -- you know, we make adjustments
19 on the contributions every year based on, you know, the
20 experience of each of the plans, and -- as well as the
21 investment returns. And, you know, we make slight
22 adjustments up and down to try and keep the funding, you
23 know, as stable, but on a projected basis. And, you know,
24 when returns are high and the experience is good, you
25 know, the rates will come down. But vice versa, when the

1 returns are low, there will be an increase in rates.

2 COMMITTEE MEMBER JONES: Okay.

3 CHIEF ACTUARY TERANDO: And that tends -- that
4 tends to go to the employers, because the employers tend
5 to pay the majority, if not all, of the unfunded.

6 COMMITTEE MEMBER JONES: So we just need to be
7 mindful of adopting that discount rate, the plus and minus
8 of low versus high or average, trying to minimize the
9 impact on our employers and employees going forward.

10 On page 14, what is the hash mark?

11 CHIEF ACTUARY TERANDO: Fourteen. Okay. The
12 hash mark is a baseline.

13 COMMITTEE MEMBER JONES: The hash mark is above.

14 CHIEF ACTUARY TERANDO: So what we did here is we
15 took the 2020 valuations and we took the current
16 contribution rates, the average for these and put it
17 there, so you can see the comparison. So when you -- for
18 example, let's look at the -- you can see for the medium
19 funded plans, there will be a slight decrease, if we -- a
20 seven percent was adopted. The 6.8 contributions are
21 still, you know, on average comparable to where they were
22 at our current -- when we did the valuations at seven
23 percent on the 2020 valuations. And obviously, they
24 see -- you see the jump at the 6.5 percent.

25 You know, what's keeping those rates at the 6.8

1 lower than the current baseline is that 20 percent plus
2 return that we got last year. That's what's bringing
3 those rates down compared to where they were last year.

4 COMMITTEE MEMBER JONES: So the hash mark again
5 is?

6 CHIEF ACTUARY TERANDO: It's just -- it's kind
7 of -- it's the average of where things were in 2020 before
8 a reflection of any change in discount rate, ors,
9 assumptions or that 20 percent -- 21 percent return that
10 we got lost year.

11 COMMITTEE MEMBER JONES: Okay. Before that.

12 CHIEF ACTUARY TERANDO: Yeah, so it's just to
13 give you a feel for where things are, because sometimes we
14 get questions of I see these numbers, but where are we now
15 in relation --

16 COMMITTEE MEMBER JONES: Compared.

17 CHIEF ACTUARY TERANDO: -- to where these --

18 COMMITTEE MEMBER JONES: Okay. Thank you.

19 CHIEF ACTUARY TERANDO: -- graphs are.

20 CHAIRPERSON TAYLOR: Thank you.

21 Mr. Rubalcava.

22 COMMITTEE MEMBER RUBALCAVA: Thank you, Ms.

23 Chair. Scott, you mentioned that on -- staying on number
24 14, that one of the key determinants of the impact on the
25 employer will be the funded ratio -- funded status.

1 CHIEF ACTUARY TERANDO: Yes.

2 COMMITTEE MEMBER RUBALCAVA: And one can also say
3 that -- and then we see on Item 17, the impact on employer
4 contributions. So I'm just trying to understand the
5 relationship. So as funded ratio increases, there's less
6 unfunded liability. And so what's more determined is the
7 normal costs. So the employer may actually have an
8 actuarial gain, but some -- because of PEPRA now becoming
9 more and more prevalent, that actuarial gain may not
10 translate to the employee, is that correct, how I read it?

11 CHIEF ACTUARY TERANDO: Yes, that's correct. The
12 investment gain will reduce the unfunded liability and
13 that will reduce the employer cost, but it doesn't affect
14 the normal cost.

15 COMMITTEE MEMBER RUBALCAVA: So under -- thank
16 you for clarifying that. So then my question is under
17 these -- this candidate portfolios allocations, in all of
18 them, I'm assuming normal cost increases anyway, right?
19 And it's offset, depending on the employer's funded
20 status.

21 CHIEF ACTUARY TERANDO: Yeah. There are some --

22 COMMITTEE MEMBER RUBALCAVA: Or offset, I guess.

23 CHIEF ACTUARY TERANDO: -- pages in the appendix
24 where we actually broke it down by normal cost, unfunded,
25 and total for public agencies. And you'll see the normal

1 cost is going up always.

2 Well, for the majority of the benefit formulas,
3 normal cost goes up, there's a large decrease on the
4 unfunded, and then the total contributions, you know,
5 there's a range. Some plans are going up, some plans are
6 going down, and you get that distribution. But you'll see
7 increases more substantially on the normal cost. And the
8 unfunded you'll see decreases pretty consistently.

9 COMMITTEE MEMBER RUBALCAVA: Thank you for that
10 clarification. Thank you.

11 CHAIRPERSON TAYLOR: Thank you.

12 Okay. Ms. Middleton. Hold on. Working on it.

13 COMMITTEE MEMBER MIDDLETON: There we are.

14 CHAIRPERSON TAYLOR: There you go.

15 COMMITTEE MEMBER MIDDLETON: Thank you. So
16 President Jones raised a really good question that if we
17 set a goal and we don't achieve it, then we're still going
18 to end up having costs go up for the employer and for
19 employees. But on the other hand, if we set a goal and we
20 exceed it, under what circumstances do the costs then go
21 down for the employer and the employees?

22 CHIEF ACTUARY TERANDO: When there's gains in the
23 system. Obviously, we would -- it would -- we would
24 reflect that in the contri -- in the overall contribution
25 rate, and the unfunded contribution rate would be lower

1 compared to what it was previously. For most of the plans
2 within PERS, the employer pays a hundred percent of the
3 unfunded liability. So they would -- they would see those
4 gains as a reduction for the employer side.

5 For the employees, it's -- the employees -- for
6 the PEPRA employees, they're based on half the normal
7 cost. The normal cost is not affected by gains and losses
8 on the investment side. You know, whether a plan, you
9 know, for example, whether a plan is a hundred percent
10 funded, or 80 percent funded, or 60 percent funded, the
11 normal cost is the same. And if you're splitting that
12 50/50 between employers and employees, it's not going to
13 change regardless of the funded status.

14 COMMITTEE MEMBER MIDDLETON: All right. Next
15 question. Could you go back to page 12 of the projected
16 employee contributions. In both of these, you're showing
17 a initial spike in costs and then it -- the amount of
18 employer contributions is diminishing over time. Could
19 you talk about -- a little more about why that will be
20 happening in that fashion and what tools might we have to
21 even out those costs for employers over time?

22 CHIEF ACTUARY TERANDO: All right. So the
23 reason -- and I think we'll look at 6.5, because that's
24 the most prominent one in this example. That re -- that's
25 reflecting the change in liabilities as we drop -- if we

1 dropped the discount rate to 6.5. And our amor -- our
2 current amortization policy amortizes all demographic
3 changes and all gains and -- demographic gains and losses,
4 assumption changes, method changes over a 20-year
5 amortization period.

6 For the investment side, investment gains and
7 losses, we still -- everything is amortized over 20 years,
8 but there's a five-year ramp-up on the investment side.
9 The investments are a lot more volatile and they have a
10 lot more impact on the contributions. And so we have a
11 five-year ramp-up to kind of smooth those out.

12 So since we had such a large gain last year, you
13 can think that, you know, we started out with say a
14 smaller credit and that credit increases over the next
15 five years. And that's why you can see those rates
16 trending down in all the cases, is that it's that ramp-up
17 of the investment gain/loss from last year. That's what
18 happens -- you know, we smooth in that credit on the gain
19 from last year. The exact opposite happens when you have
20 a loss. Instead of jumping up immediately on -- when you
21 have a loss, we transition up. This helps to counteract
22 if, you know, you have a large gain one year followed by a
23 loss -- a large loss the following year, instead of having
24 your rates kind of go back and forth. This kind of
25 smooths the rates out on the investment side.

1 So, you know, it's set up to kind of smooth the
2 numbers out as it is. It -- and that's why you're seeing
3 it trending down. There's -- you know, you could look at
4 that five-year smoothing shortening it. If you shorten
5 it, it's going to add more volatility. I mean, it would
6 add more volatility, because you would get your -- if you
7 had a gain, you would get your -- you'd see decreases
8 sooner. The flip side is on losses, you would see
9 increases much more quicker.

10 COMMITTEE MEMBER MIDDLETON: Scott, I think I got
11 what the point you're making. We're still looking at some
12 real issues impacting employers in terms of costs. And
13 every tool that we can use that minimizes the volatility,
14 the rate that the employer is paying is something that we
15 need to be examining.

16 CHIEF ACTUARY TERANDO: Right. Well, that's kind
17 of -- kind of like -- when you think about it, that's what
18 the funding risk mitigation policy did. You know, when
19 the discount rate went from 7 to 6.8, that increase in
20 liability was offset by the gain on the investment side.
21 And you can see that's why that curve didn't go up. It
22 went up in the -- you know, it stayed below where it was
23 before.

24 COMMITTEE MEMBER MIDDLETON: All right. Thank
25 you for now.

1 CHIEF ACTUARY TERANDO: Sure.

2 CHAIRPERSON TAYLOR: All right. Mr. Feckner.

3 COMMITTEE MEMBER FECKNER: I'm on page 18, if
4 we're ready to change to the next page.

5 CHIEF ACTUARY TERANDO: You're on page 18.

6 COMMITTEE MEMBER FECKNER: The next page.

7 CHAIRPERSON TAYLOR: The last page before the
8 appendix.

9 CHIEF ACTUARY TERANDO: Oh, okay.

10 COMMITTEE MEMBER FECKNER: Back one, back two.

11 (Laughter.)

12 CHAIRPERSON TAYLOR: Keep going. There you go.

13 COMMITTEE MEMBER FECKNER: That's the page.

14 CHIEF ACTUARY SCOTT TERANDO: Okay.

15 COMMITTEE MEMBER FECKNER: From my perspective,
16 after having studied this for months, having staff
17 preparing us for months on this, and actually doing a lot
18 of research, and listening, and educating ourselves,
19 hearing from the stakeholders this morning, I'm prepared
20 to move option B2, including the five percent leverage.

21 CHAIRPERSON TAYLOR: Thank you.

22 I have a motion on the floor for option B2. Do I
23 have a second?

24 COMMITTEE MEMBER JONES: Second.

25 CHAIRPERSON TAYLOR: Seconded by Mr. Jones.

1 COMMITTEE MEMBER JONES: That is the 6.8, right?

2 CHAIRPERSON TAYLOR: 6.8 with leverage, yes.

3 (Laughter.)

4 CHAIRPERSON TAYLOR: No, it's the 7.5.

5 (Laughter.)

6 CHAIRPERSON TAYLOR: No, I'm just kidding.

7 Okay. I want to make sure everybody's questions
8 were answered before we take a vote, so Ms. Brown.

9 COMMITTEE MEMBER BROWN: Thank you, Madam Chair.

10 I have some sort of general questions. What percentage of
11 our employees are currently PEPRA -- of actively employees
12 are currently PEPRA and how is that trend line moving, one
13 percent a year, two percent a years?

14 CHIEF ACTUARY TERANDO: I'm going to --

15 COMMITTEE MEMBER BROWN: I'm going to hold you to
16 this number, Scott

17 (Laughter.)

18 COMMITTEE MEMBER BROWN: Generally. Generally.

19 CHIEF ACTUARY TERANDO: Generally, I think we're
20 approaching around 50 percent.

21 COMMITTEE MEMBER BROWN: What?

22 CHIEF ACTUARY TERANDO: Fifty.

23 COMMITTEE MEMBER BROWN: Fifty? 5-0?

24 CHIEF ACTUARY TERANDO: 5-0.

25 CHAIRPERSON TAYLOR: Yeah.

1 COMMITTEE MEMBER BROWN: Okay.

2 CHIEF ACTUARY TERANDO: It might be a little bit
3 less.

4 CHAIRPERSON TAYLOR: Those old folks are
5 retiring.

6 CHIEF ACTUARY TERANDO: Depending on some of the
7 safety plans, but somewhere around 5-0, 50 percent. And I
8 think that changes anywhere from around three to four
9 percent a year in terms --

10 COMMITTEE MEMBER BROWN: And then I assume that
11 would slow down a little bit as we get more PEPRA, right,
12 that you could pay?

13 CHIEF ACTUARY TERANDO: Correct.

14 COMMITTEE MEMBER BROWN: Did we see a big jump in
15 retire -- I think we saw a big jump in retirements, right?
16 So we're probably going to see a big -- another big jump,
17 because of COVID? I think we heard that from --

18 CHIEF ACTUARY TERANDO: I'd say Anthony would
19 have that information.

20 COMMITTEE MEMBER BROWN: Yeah.

21 CHIEF ACTUARY TERANDO: And we could -- we could
22 always get you the numbers on that.

23 COMMITTEE MEMBER BROWN: Okay. So any decision
24 we make in terms of changing the discount rate would also
25 not only impact employers, but the PEPRA employees would

1 also have to pay more, okay.

2 And then my -- I have another general question
3 about leverage, Mr. Bienvenue. You know, the models here
4 talk about three percent, or five percent, or no leverage
5 at all. But then I heard for the first time here in open
6 session that -- that this five percent is just a first
7 step or a baby step. We might be looking at even more
8 leverage. And so my question is doesn't the staff have
9 the ability to use leverage now up to 20 percent?

10 CHAIRPERSON TAYLOR: Not there.

11 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So
12 we currently have the ability to take active, so that
13 that's benchmark relative leverage, of up to 20 percent.
14 What this would do would be to add leverage into the
15 strategic asset allocation as a diversifier. So where
16 Arnie mentioned -- well, we use -- we can use the active
17 leverage to add active risk, and therefore active return,
18 but it's not intended to sort of diversify risk. Whereas
19 adding leverage to the strategic Asset allocation would
20 act as a diversifier and a return -- and a risk reducer.

21 COMMITTEE MEMBER BROWN: Thank you. Thank you.

22 CHAIRPERSON TAYLOR: Ms. Ortega.

23 COMMITTEE MEMBER ORTEGA: Yes, Madam Chair.
24 Scott, my question kind of -- kind of passed, but I'm
25 going to ask anyway. Back on slide 12 can you just

1 clarify. When you were explaining the spike, I think you
2 were using the green line as an example. But the dotted
3 line is described as the base, but it was still going up a
4 bit too, right? And is that from prior funded status or
5 just what's -- why is the dotted line going up anyway?

6 CHIEF ACTUARY TERANDO: Why are all the other
7 lines.

8 CHIEF EXECUTIVE OFFICER FROST: The dotted line.

9 CHIEF ACTUARY TERANDO: The dotted line is going
10 up I think just expected -- you know, those -- if you
11 think about it, we had losses in terms of investment gains
12 a couple years ago. Those are -- those are, you know,
13 working their way into the contribution rates.

14 COMMITTEE MEMBER ORTEGA: Okay.

15 CHIEF ACTUARY TERANDO: You can see rates go up
16 just slightly. They kind of start to level out and that's
17 what's kind of happening. With -- so if you look at
18 the -- you know, the State projections and the schools
19 projections, they went up for about a year or two and then
20 they kind of leveled out. We're seeing that across a lot
21 of the plans, where rates were going up, you know,
22 substantially over the last five years. They're starting
23 to level out now. And with the gains that we've had
24 recently, they're starting to trend back down.

25 COMMITTEE MEMBER ORTEGA: Okay. That's what I

1 thought. I just wanted to make sure, because of the
2 contrast to the point about the spike in the -- because of
3 the discount rate.

4 CHIEF ACTUARY TERANDO: Yeah, the spike. There's
5 a couple of things going on. You know, we had the change
6 of assumptions, change of discount rate. There's a number
7 of factors going into that. It's just more pronounced
8 then the orange line, because the orange line is -- the
9 policy on risk mitigation flattens that out.

10 COMMITTEE MEMBER ORTEGA: Right.

11 CHIEF ACTUARY TERANDO: And that's not happened
12 with the six and a half percent discount rate.

13 COMMITTEE MEMBER ORTEGA: Thank you.

14 CHAIRPERSON TAYLOR: Does that answer it?

15 COMMITTEE MEMBER ORTEGA: Um-hmm

16 CHAIRPERSON TAYLOR: All right.

17 Mr. Rubalcava.

18 COMMITTEE MEMBER RUBALCAVA: Thank you.

19 Yeah. My question was about the -- well, I think
20 chart number 12 and the previous question, Ms. Margaret,
21 sort of, you know, seeking clarification here. So I see
22 one of our rows on the Board is to sort of -- is to seek
23 to stabilize the employer contribution rate. And so that
24 means reduced volatility, which is a lot in the equity
25 side. And I noticed that, in support of the motion on the

1 floor, 6. -- B2, 6.8 discount and five percent leverage.
2 And my question is about the leverage. It does --
3 compared to B1, it does reduce the global equity and
4 increases the investment grade corporates. But my
5 question is, so this five percent leverage that's what
6 makes that possible, right? It takes -- it's a term I
7 used -- picked up some place. I'm not sure here or for
8 some other meeting, but it takes risk off the table, is
9 that correct, as opposed to -- because we're talking about
10 differential between the other kind of risk, which is more
11 to try to seek more -- other kind of leverage, but to seek
12 more returns. This is more to -- a new tool that we're
13 introducing to try to use the -- the language, to
14 diversify, but also it's less risky, isn't it -- is it
15 not?

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

17 Correct. It lands you at a portfolio that's more
18 diversified -- by using leverage, it lands you at a
19 portfolio that's more diversified, that reduces the
20 drawdown risk slightly, and that -- I hadn't spoken to
21 this, because of the fact that Scott is the actuarial
22 expert. But if you go to slide 13, you can see that in
23 the actuarial space, it does reduce the probability of the
24 funded ratio falling below 50 percent for both State
25 miscellaneous and schools.

1 So if you look at B1 and B2, they go from 19.4 to
2 17.7 for the State miscellaneous, and from 20.2 to 18.6.

3 COMMITTEE MEMBER RUBALCAVA: Yeah. And is that
4 volatile -- the market fluctuation that actually impacts
5 the employer contribution the most, correct? So the --
6 and that's what we're trying to address right now.

7 CHIEF ACTUARY TERANDO: Yes, that's correct.

8 COMMITTEE MEMBER RUBALCAVA: Thank you, Scott.
9 Thank you for the clarification and thank you.

10 CHAIRPERSON TAYLOR: Okay. Great.

11 Henry.

12 COMMITTEE MEMBER JONES: Thank you, Madam Chair.

13 CHAIRPERSON TAYLOR: It just wasn't -- there we
14 go.

15 COMMITTEE MEMBER JONES: Okay. Madam Chair, I
16 would like to -- on the issue of leverage, the leverage
17 for the portfolio diversification of five percent, when
18 staff returns with the -- whatever execution strategy they
19 bring back, I would like to request that they also bring
20 back an option for the Board to consider reducing the 20
21 to 15 when they add the five percent leverage portfolio
22 strategy.

23 CHAIRPERSON TAYLOR: Yes. So Dan.

24 COMMITTEE MEMBER JONES: And I understand that
25 while we have a motion on the floor, but we want to hear

1 from public -- if there are any public comments before we
2 vote.

3 CHAIRPERSON TAYLOR: Right, we still have a
4 couple of comments and then public comment, so, yes.

5 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: But,
6 yes, Mr. Jones, those will be parallel paths, right? One
7 path will be an implementation plan in terms of like
8 trading and how we get there, but the other path will be
9 policy language. And in that policy language, we will
10 make sure that we bring you the option of moving the 20
11 down to 15. And we'll take that as direction.

12 CHAIRPERSON TAYLOR: Great. Thank you for
13 remembering that, Henry.

14 Ms. Middleton.

15 COMMITTEE MEMBER MIDDLETON: I want to -- I want
16 to thank President Jones for inserting the change in
17 leverage to 15 to -- as we add five, which I think keeps
18 us at a very consistent place. And I very much want to
19 thank staff for all the work that has gone into this and
20 all of my colleagues on the Board for the work that you
21 have given on this.

22 We have an extremely difficult decision in front
23 of us. And as I have read the literature and looked at
24 it, our portfolio has been one that does not meet current
25 times and one in which greater risk can be prudently taken

1 on. And I think we need to explore all of those
2 opportunities before -- with great reluctance before I can
3 vote to approve a change that would take us from a seven
4 percent target to a 6.8 percent target. I think we need
5 to exhaust every opportunity, including consultation with
6 the new Chief Investment Officer. So I think this vote is
7 going to go forward and with great reluctance, I will have
8 to vote no.

9 CHAIRPERSON TAYLOR: Thank you, Ms. Middleton.

10 So I, too, want to thank the staff for all their
11 hard work and the Board for all of our questions and
12 making sure that we are on the same page.

13 I have one public comment to go forward and then
14 we will vote.

15 Mr. Jelincic.

16 I'm sorry, two public comments. One on the
17 phone.

18 I'll do Mr. Jelincic and then the phone. Go
19 ahead, J.J.

20 MR. JELINCIC: Yeah. I'm J.J. Jelincic. And I
21 know that some of you will ignore me. However, I want to
22 take away your defense that I didn't even think about
23 that. You are fiduciaries and therefore held to the
24 highest legal and ethical standards. You owe a fiduciary
25 obligation to the beneficiaries. While the staff would

1 like you to think you have a fiduciary obligation to the
2 system, you don't. Some of you claim to have a fiduciary
3 obligation to the employer. You do not.

4 As fiduciaries, you have a legal obligation to
5 invest as prudent experts. As experts, you must decide if
6 increasing risk when assets are already fully valued is
7 prudent. I remind you of a couple of your public
8 Investment Beliefs, which may or may not be the same as
9 your private beliefs. CalPERS will only take risk, where
10 we have a strong belief we will be rewarded for it. Costs
11 matter and need to be effectively managed. Even so,
12 everyone of the suggested portfolios increased the
13 allocation to private equity, even though your own capital
14 market assumptions show that you will not be paid for the
15 additional risk.

16 You are taking on risk to benefit the employers.
17 You want a higher discount rate to hold down employer
18 contributions and reported liabilities. The employers are
19 not the group to whom you are fiduciaries.

20 According to the transcript of the August 7th,
21 2020 illegal closed Board of Administration meeting, most
22 of you were great admirers of Ben Meng, even as you were
23 told of his illegal actions. You regretted the loss of
24 his extraordinary leadership. In your paranoia, you saw
25 leaks. The truth is there were no leaks. People looked

1 at the public record and saw the contradictions you
2 refused to see. It's yet another example of the
3 importance of the Bagley-Keene Open Meeting Act and the
4 California Public Records Act. Laws that make public
5 corruption more difficult. Laws that you make great
6 efforts to avoid.

7 Let me remind you that the much admired Ben Meng
8 told you on numerous occasions that the market would not
9 give you seven percent just because you wanted it or
10 needed it, and it won't give you 6.8.

11 As prudent investors and fiduciaries of other
12 people's money, the focus should be on what level of risks
13 are acceptable? The focus and emphasis on the discount
14 rate is misplaced.

15 Thank you.

16 CHAIRPERSON TAYLOR: Okay. Mr. Fox, go ahead.

17 STAKEHOLDER RELATIONS CHIEF FOX: Yes, Madam
18 Chair. We have one caller from the City of Hayward. Sara
19 Lamnin.

20 MS. LAMNIN: Good afternoon, everybody. Thanks,
21 everybody, for your work on this item. I wanted to share
22 my concerns, as President Jones articulated well, about
23 leverage. Spending money that wasn't already in the bank
24 is part of how we got to the challenges that we face
25 today. And I'm not pointing fingers about how we got

1 here. It's -- we're way past that. What we do have to do
2 is, as stewards of public money, as you the esteemed Board
3 all are, and as we are as employers including the City of
4 Hayward, we really -- the idea of borrowing more money to
5 pay a debt, which was built on money we didn't have in the
6 first place, feels contradictory to me.

7 At the same time, I absolutely see that the --
8 that seven percent is unrealistic. We knew that when I
9 was before you a few years ago on the last ALM cycle. But
10 what is also unrealistic is the ability of PEPRA employees
11 and cities to pay these bills. We've got to focus on the
12 expense side of the equation. That's not today's
13 conversation, but I would love to hear commitment to
14 actually working on that.

15 A couple things I want you to keep in mind,
16 please, that not all property tax bases are equal. And in
17 our quest to have housing affordability, that means that
18 property tax values are also lower. Therefore, our
19 abilities to pay higher prices -- and for the city, we're
20 talking about with a 6.8 probably doubling our annual
21 increase in PERS costs and OPEB costs. So, you know, the
22 property taxes, the money isn't necessarily there and
23 we're trying to keep the property taxes low, so that
24 people can afford to live in our communities.

25 Similarly, we've worked really hard to make sure

1 that our employee base is as diverse as our communities,
2 which means that a lot of our PEPRAs employees are not
3 only, of course, our lower paid employees, because they're
4 newer, but they're also our most diverse employees.

5 And so I ask you to think really carefully and
6 perhaps amend your motion to just be 6.8, and make a
7 commitment to really working on the expense side of the
8 equation.

9 Thank you.

10 CHAIRPERSON TAYLOR: All right. Thank you. I
11 have one more comment. Mr. Jones.

12 COMMITTEE MEMBER JONES: Yeah. Thank you, Madam
13 Chair. I know we're getting ready to vote, but I thought
14 I would ask if our consultants, Wilshire, would come
15 forward and express a view on these options.

16 MR. TOTH: Thank you, Mr. Jones. Good afternoon.
17 Tom Toth with Wilshire Advisors.

18 Our opinion letter is included in your materials
19 and so there's more detail there. So I just thought I'd
20 maybe focus my comments on the process as well as risk
21 management. We've talked a lot about leverage and
22 liquidity and I'm happy to answer any additional
23 questions. So we're comfortable that the process that the
24 Investment Committee went through was comprehensive and
25 took into consideration all appropriate factors for making

1 an informed decision. And that includes both expectations
2 around capital markets performance, but also the impact
3 that they have on other liability measures, whether that's
4 contribution rates or the funded ratio.

5 And this process resulted in these alternative
6 candidate portfolios that do have a superior expected
7 return to drawdown ratio relative to the current portfolio
8 and aligns with portfolio priority to protect the funded
9 ratio.

10 The difference in the risk across the portfolios
11 is primarily driven by the total allocation and the makeup
12 of the equity portion of the portfolio, whether that's
13 public or private equity. And while these equity assets
14 are expected to have higher returns over time, they also
15 come with downside volatility. And so risk management is
16 really important and that needs to be managed by
17 incorporating diversifying assets into the total
18 portfolio. And in Wilshire's view, each of the candidate
19 portfolios does appropriately diversify and -- to mitigate
20 that drawdown risk to the extent possible, given your
21 return objectives.

22 And so just in conclusion to reiterate, by
23 stepping through the asset liability management process in
24 a disciplined way, incorporating feedback from a variety
25 of stakeholders, I think the Investment Committee can be

1 comfortable that these final candidate portfolios are
2 consistent with your portfolio preferences and your return
3 objectives. And we'd be happy to answer any questions.

4 COMMITTEE MEMBER JONES: Yes.

5 CHAIRPERSON TAYLOR: Hold on.

6 There you go.

7 COMMITTEE MEMBER JONES: Yeah. My final question
8 is the -- we have a motion on the floor, 6.8, what is your
9 view on adopting that 6.8?

10 CHAIRPERSON TAYLOR: With leverage.

11 MR. TOTH: I'm sorry, Mr. Jones. Can you repeat
12 that one more time.

13 COMMITTEE MEMBER JONES: I said that we have a
14 motion on the floor of 6.8 with leverage. And I'm asking
15 what's your viewpoint on that recommendation?

16 MR. TOTH: Mr. Jones, we are comfortable with
17 that portfolio and are very supportive in particular of
18 utilizing leverage as a portfolio construction tool. That
19 is consistent with discussions that we've had with the
20 Investment Committee for some time, including coming out
21 of 2017 ALM process. So we are -- we are very comfortable
22 with that portfolio.

23 CHAIRPERSON TAYLOR: Okay. Seeing no other
24 questions, I'm going to go ahead. We've got a motion on
25 the floor by Mr. Feckner, I believe, and seconded by Mr.

1 Jones, correct?

2 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And
3 Madam Chair, can -- I'm sorry. Can I just confirm. The
4 motion on the floor is both to adopt a discount rate of
5 6.8 and to adopt that portfolio of B2 --

6 CHAIRPERSON TAYLOR: B2.

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:
8 -- to support that discount rate.

9 CHAIRPERSON TAYLOR: Right. Correct.

10 So we're going to take a vote. Pam, do I need
11 to -- I do not. So let's do a voice vote. All --

12 COMMITTEE MEMBER BROWN: Can I have a roll call
13 vote, please?

14 CHAIRPERSON TAYLOR: Do we need a roll --

15 COMMITTEE MEMBER BROWN: Or an electronic.

16 CHAIRPERSON TAYLOR: An electronic vote.

17 COMMITTEE MEMBER BROWN: Thank you.

18 CHAIRPERSON TAYLOR: Okay. So an electronic
19 vote. All those in favor. We'll go ahead you guys.

20 Electronic vote.

21 (Thereupon an electronic vote was taken.)

22 CHAIRPERSON TAYLOR: All right. So it passes.
23 So thank you, everybody.

24 We are moving on. So it was -- oh, I'm sorry, I
25 was going to 7 -- Agenda item 8, independent oversight

1 review of survey results. Yes, I don't see you. Hold on.
2 Everything moved. This new program. Sorry.

3 COMMITTEE MEMBER RUBALCAVA: Under the -- under
4 the recommendation for the last item, there was some next
5 steps. And the second bullet was about communicating with
6 the stakeholders. I want to make sure that we keep in
7 mind the members who pay their contribution, because they
8 don't have the -- the -- depending on the funded status,
9 they don't -- either way, it -- they don't have the same
10 mitigation, like the employers may have, depending on
11 their funded status or long-term the curve -- you know,
12 the -- we're bending the curve down for the employer
13 contribution, for the employer, I think. But the
14 employee, especially the PEPRA members, will see an
15 increase in their contribution rate.

16 CHAIRPERSON TAYLOR: I think initially. You want
17 to go into that Dan. Isn't it the same as --

18 COMMITTEE MEMBER RUBALCAVA: No.

19 CHAIRPERSON TAYLOR: -- the employer?

20 COMMITTEE MEMBER RUBALCAVA: No. And so I just
21 want to make sure that that's communicated, that this is
22 basically to -- I'm not sure what the language would be,
23 but basically we want a healthy, fiscally secure benefit
24 for them and this is the way to make sure, because when I
25 voted yes, I knew there was also potential impact. There

1 was a potential -- there is an impact -- adverse impact on
2 the contribution -- employee contribution rate.

3 CHAIRPERSON TAYLOR: Right.

4 COMMITTEE MEMBER RUBALCAVA: So if that could
5 somehow be considered in the member -- in the
6 communication to the stakeholders.

7 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: So,
8 yes, Mr. Rubalcava, that will definitely be part, speaking
9 to both employers and our labor partners on the impact of
10 this, as we -- when we talk about our stakeholders, it
11 includes both.

12 COMMITTEE MEMBER RUBALCAVA: Thank you.

13 Thank you, Ms. Chair.

14 CHAIRPERSON TAYLOR: All right.

15 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

16 Okay. And now we're moving on to 8 --

17 CHAIRPERSON TAYLOR: 8a

18 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

19 Before we do, I just really want to just thank
20 you to Michael Cohen and our Finance department for all
21 the partnership and teamwork, certainly Scott Terando and
22 the actuaries, Brad Pacheco and his team for all of the
23 work with our stakeholders, because there's been a lot
24 work there, finally Marcie's leadership. This has been a
25 lot of -- a lot of work and landed us at a -- at a -- you

1 know, what I believe is a good place and just don't -- and
2 thank you to you, the Board, for the support and the
3 process also.

4 So with that, we will move on to the survey of
5 the Board members regarding investment consultants. And
6 we have Kristin LaMantia here joining us. So Kristin,
7 over tro you.

8 ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT
9 DIVISION CHIEF LaMANTIA: Thanks, Dan.

10 Good afternoon, Madam Chair and Committee
11 members. Kristin LaMantia, CalPERS team member.

12 I'm here today to go over the annual evaluation
13 survey results of your Board investment consultants. As
14 shown in the agenda item, the Enterprise Strategy and
15 Performance Division, or ESPD, acts as a neutral
16 third-party administrator of the Board investment
17 consultant surveys. The questions asked this year are the
18 same as in previous years. Eight Committee members
19 responded to the three surveys, Wilshire Associates
20 General Pension Investment and Meketa Investment Group for
21 both private equity and real estate.

22 The comprehensive results for all of the
23 consultant group surveys are included in your materials in
24 the form of charts representing the various answers
25 selected by the participating Committee members. And for

1 comparison, we have displayed the results for both 2020
2 and 2021.

3 With that, in the interest of time, I will stop
4 here and ask if there are any questions.

5 CHAIRPERSON TAYLOR: Yes. Hold on a second.

6 Mr. Jones.

7 COMMITTEE MEMBER JONES: Yeah. Thank you, Madam
8 Chair. It's not a question. It's just a comment. I
9 think you indicated only eight Board members responded to
10 the survey.

11 ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT
12 DIVISION CHIEF LaMANTIA: Yes.

13 COMMITTEE MEMBER JONES: I would just call on my
14 colleagues to please participate in this, because it is a
15 holistic process that we all are affected by what our
16 consultants advise us on, so that's just a comment.

17 CHAIRPERSON TAYLOR: Yes. But I did send out the
18 notice quite a bit.

19 All right. There are no more questions.

20 ENTERPRISE STRATEGY & PERFORMANCE ASSISTANT
21 DIVISION CHIEF LaMANTIA: Thank you.

22 CHAIRPERSON TAYLOR: Thank you.

23 So we are on -- excuse me, summary of Committee
24 direction

25 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

1 Thank you, Madam Chair. And Arnie I believe
2 captured Committee direction for us today, so I'll ask
3 Arnie to cover that.

4 INTERIM DEPUTY CHIEF INVESTMENT OFFICER PHILLIPS:

5 Yes. I have two items today. The first one,
6 we'll be sending an email to the Board showing China
7 equity performance versus the overall global equity
8 performance for the last three years.

9 And then the second item during the
10 implementation discussions of ALM, we will bring back the
11 option of lowering the active leverage limit from 20
12 percent to 15 percent for your decisions.

13 CHAIRPERSON TAYLOR: Active. Okay.

14 I don't remember anything else. So that sounds
15 like it is it. So that means it bring us to the end --

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: I'm
17 sorry, Madam Chair. We also have the direction to come
18 back on Apollo that came from the public comment.

19 CHAIRPERSON TAYLOR: That's right.

20 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: And
21 then finally, your request on potential for stranded
22 assets in a report, Ms. Middleton's request for renewables
23 and exposure and the like, and then subject to Madam
24 Controller's --

25 CHAIRPERSON TAYLOR: The TCFDs.

1 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

2 -- framework around how to bring that. And Anne
3 and I have already talked about how we bring that back.

4 CHAIRPERSON TAYLOR: Good. Great. Thank you.
5 Thank you for remembering, because I totally forget.

6 All right. With that, the open session of
7 Investment Committee is adjourned and I guess tomorrow we
8 are 9 a.m. Finance Administration.

9 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE:

10 Sorry. Do you want to adjourn or should --
11 because remember that we're Finance and Admin and then
12 continuing in Investment Committee. Do we want to not
13 adjourn and then continue --

14 CHAIRPERSON TAYLOR: I'm sorry. Yeah, so we
15 will -- I didn't know if we should adjourn or not.

16 INTERIM CHIEF INVESTMENT OFFICER BIENVENUE: Not
17 adjourn and continue with the last two items.

18 CHAIRPERSON TAYLOR: We'll continue on Monday
19 after Finance and Administration. Thank you. 4:39 p.m.

20 (Thereupon, the California Public Employees'
21 Retirement System, Investment Committee
22 meeting open session recessed at 4:39 p.m.
23 until Tuesday, November 16, 2021.)

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25

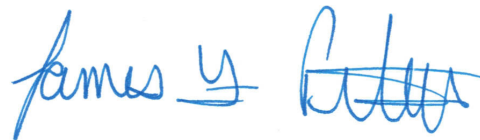
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I, JAMES F. PETERS, a Certified Shorthand Reporter of the State of California, do hereby certify:

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 November, 2021.



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