MEETING

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

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

MONDAY, APRIL 15, 2019

9:23 A.M.

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

A P P E A R A N C E S COMMITTEE MEMBERS: Mr. Bill Slaton, Chairperson Mr. Rob Feckner, Vice Chairperson Ms. Margaret Brown Ms. Dana Hollinger Mr. Henry Jones Ms. Fiona Ma Mr. David Miller Ms. Eraina Ortega Ms. Mona Pasquil Rogers Mr. Jason Perez Mr. Ramon Rubalcava Mr. Theresa Taylor Ms. Betty Yee, also represented by Karen Greene-Ross STAFF: Ms. Marcie Frost, Chief Executive Officer Mr. Matt Jacobs, General Counsel Dr. Ben Meng, Chief Investment Officer Ms. Natalie Bickford, Committee Secretary Mr. Dan Bienvenue, Interim Chief Operating Investment Officer Mr. Danny Brown, Chief, Legislative Affairs Division Ms. Sarah Corr, Interim Managing Investment Director

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

ALSO PRESENT:

Mr. Allan Emkin, Pension Consulting Alliance

Mr. Steve Hart, Meketa Investment Group

Mr. David Soares, Retired Public Employees Association

Mr. Andrew Junkin, Wilshire Associates

I N D E X PAGE 1. Call to Order and Roll Call 1 2. Approval of the April 15, 2019 Investment 2 Committee Timed Agenda Pledge of Allegiance - Bill Slaton 3 3. Executive Report - Chief Investment Officer 4. 3 Briefing - Ben Meng 5. Action Consent Item - Ben Meng 14 Approval of the March 18, 2019 Investment a. Committee Open Session Meeting Minutes 14 6. Information Consent Items - Ben Meng Annual Calendar Review a. Draft Agenda for the May 13, 2019 Investment b. Committee Meeting Monthly Update - Performance and Risk с. Monthly Update - Investment Compliance d. 7. Action Agenda Item - Legislative Proposals Assembly Bill 1320 (Nazarian) Divestment a. from Turkish Investment Vehicles - Danny Brown 15 8. Information Agenda Item - Total Fund Review of Private Equity Co-Investments a. Ben Meng and Sarah Corr 21 9. Summary of Committee Direction - Ben Meng 47 10. Public Comment 47 Adjournment 49 50 Reporter's Certificate

PROCEEDINGS 1 CHAIRPERSON SLATON: Good morning. I'd like to 2 3 call the Investment Committee meeting to order. First order of business is roll call. 4 COMMITTEE SECRETARY BICKFORD: Bill Slaton? 5 CHAIRPERSON SLATON: Here. 6 COMMITTEE SECRETARY BICKFORD: Rob Feckner? 7 VICE CHAIRPERSON FECKNER: Good morning. 8 COMMITTEE SECRETARY BICKFORD: God morning. 9 Margaret Brown? 10 COMMITTEE MEMBER BROWN: Here. 11 COMMITTEE SECRETARY BICKFORD: Dana Hollinger? 12 COMMITTEE MEMBER HOLLINGER: Here. 13 COMMITTEE SECRETARY BICKFORD: Henry Jones? 14 COMMITTEE MEMBER JONES: Here. 15 16 COMMITTEE SECRETARY BICKFORD: Fiona Ma? CHAIRPERSON SLATON: She's here. 17 COMMITTEE SECRETARY BICKFORD: David Miller? 18 COMMITTEE MEMBER MILLER: Here. 19 COMMITTEE SECRETARY BICKFORD: Eraina Ortega? 20 COMMITTEE MEMBER ORTEGA: Here. 21 COMMITTEE SECRETARY BICKFORD: Jason Perez? 2.2 23 COMMITTEE MEMBER PEREZ: Here. COMMITTEE SECRETARY BICKFORD: Ramon Rubalcava? 24 COMMITTEE MEMBER RUBALCAVA: Here. 25

J&K COURT REPORTING, LLC 916.476.3171

COMMITTEE SECRETARY BICKFORD: Mona Pasquil 1 Rogers? 2 COMMITTEE MEMBER PASQUIL ROGERS: Here. 3 COMMITTEE SECRETARY BICKFORD: Theresa Taylor? 4 COMMITTEE MEMBER TAYLOR: Here. 5 COMMITTEE SECRETARY BICKFORD: And Betty Yee 6 7 represented by Lynn Paquin? 8 ACTING COMMITTEE MEMBER GREENE-ROSS: Karen 9 Greene-Ross. COMMITTEE SECRETARY BICKFORD: Karen 10 Greenhouse[SIC} excuse me. 11 CHAIRPERSON SLATON: All right. Thank you very 12 much. Apologize to the audience for the slight delay, but 13 it was picture day here. 14 And I hope everybody is enjoying tax day today as 15 16 well. 17 (Laughter.) CHAIRPERSON SLATON: All right. We'll move to 18 approval of the April 15th, 2019 Investment Committee 19 20 timed agenda. Do I have a motion? 21 COMMITTEE MEMBER BROWN: Move approval. 2.2 23 COMMITTEE MEMBER TAYLOR: Second. CHAIRPERSON SLATON: Motion from Brown and second 24 25 from Taylor.

All those if favor say aye? 1 2 (Ayes.) CHAIRPERSON SLATON: Opposed? 3 Motion carries. 4 And we'll move to the Pledge of Allegiance. 5 And I've asked Henry Jones to lead us. 6 (Thereupon the Pledge of Allegiance was 7 8 recited in unison.) CHAIRPERSON SLATON: Okay. Next item on the 9 agenda is the Executive Report. For that I call on our 10 Chief Investment Officer, Ben Meng. Good morning. 11 CHIEF INVESTMENT OFFICER MENG: Good morning, Mr. 12 Chair, members of the Investment Committee. Ben Meng, 13 Chief Investment Officer. 14 15 So today, we have two agenda items in the 16 morning. One is an action item. It's about Assembly Bill 1320, the divestment bill from Turkish investment 17 vehicles. And then -- that's item 7a. Then item 7b, the 18 Investment staff will lead a discussion on the review of 19 20 co-investment activities in private equity. I also would like to take this opportunity this morning to give you a 21 quick overview of the economy, the capital market, and the 2.2

portfolio, as my first quarterly report as the new Chief

J&K COURT REPORTING, LLC 916.476.3171

As you know that this economic recovery is on its

23

24

25

Investment Officer.

1 way to become the longest economic recovery in history.
2 We know that the economy does not die of old age.
3 However, it does not take a lot to trip up a 100-year old
4 man. So we need to be very mindful of where we are in
5 terms of the economic cycle.

So speaking of the economy, the growth of the economy, last year in 2008 in the United States, we delivered a GDP north of 3 percent. However, with the tailwind of the fiscal stimulus in the recent past, with the tailwind of that behind us is the economic growth of the 3 plus percent of growth that we saw last year, it's unlikely to repeat in the future.

6

7

8

9

10

11

12

As a matter of fact, most people -- the consensus forecast of the GDP of 2019 is slightly over 2 percent. And the forecast -- consensus forecast for 2020 the GDP is sub 2 percent. So that is the overall of the economy.

And speaking of the labor market, the labor market in the United States as you know is really tight. Last November, we saw a print of unemployment rate of 3.7 percent. And that is the lowest we have seen since 1969. The wage growth is strong. Both nominal wage growth and the real wage growth has been strong. They are either at or close to cyclical heights.

24 So the tight labor market really point to -- that 25 we are in the late part of the economic cycle. However,

J&K COURT REPORTING, LLC 916.476.3171

the tight labor markets and the wage growth have not translated into high inflation yet, which one would expect to see in the late part of the economic cycle.

1

2

3

4

5

6

7

8

9

10

There are a number of hypotheses explaining the lack of the meaning of inflation, such as the advancement in -- the increase in productivity due to the advancement in technological innovations, the missing inflation because of globalization, and also some argue that there is measurement challenges. How do we measure inflation in the new economy? So we don't see high inflation yet.

11 On the household side, the consumer's household 12 balance sheet is strong, and consumer confidence is high. 13 Many thanks to -- again, to the tight labor markets and 14 wage increases. However, a consumer rebound can face 15 challenges if the trade dispute is not resolved favorably.

16 On the business front, business confidence is high as well. And the CapEx -- the pace of CapEx is 17 healthy. However, the business is facing hindwinds of 18 profitability. Again, given the tax cuts, the tailwind of 19 the effect of the tax cut, most of them has faded, and 20 plus, unresolved the trade dispute would impact the 21 business demand and the business confidence. And more 2.2 23 importantly with rising wages result the accompanying rise in inflation and the pricing power will put pressure on 24 25 the corporate profitability going forward. So this is on

the business side.

1

2

3

4

5

6

7

8

9

10

So we talk about the economy, the growth. You know, it's unlikely to repeat the high growth we saw in 2008. The labor market is very strong, indicating late cycle. But inflation is still manageable, so which that gave the Fed some room, flexibility in terms of continue to be accommodative.

And the consumer sector is healthy. The business sector is healthy. So do we see any major risks or imbalances in the economy?

So since the end of last year, the Fed started 11 publishing the semiannual financial stability review 12 report. So in that report, in addition to the traditional 13 dual mandate of the Fed, which is maximizing employment 14 and price -- maintain price stability -- so in addition to 15 16 this traditional dual mandate of the Fed, the Fed has started talking about leverage and asset valuations of 17 financial assets. 18

19 So in the recent Fed meeting minutes, it 20 mentioned, in effect, they see pockets of leverage risk, 21 particularly in nonbank corporates. And also, in the 22 recent past, the Fed also mentioned the leverage in 23 certain pocket of commercial real estate is high.

However we do not see that leverage risk. It hasn't yet amounted to imminent systematic stress event

J&K COURT REPORTING, LLC 916.476.3171

yet. But we're mindful and we're closely monitoring the leverage build up in the system.

1

2

3

4

5

6

7

8

9

10

The other risk the Fed mentioned is the valuation for asset classes. And as we know that, you know, valuation in the long run really matters, particularly for us as a long-term investor. And two major asset classes or risk segments in our portfolio is public equity or the growth part, which is public equity plus private equity. That is about 60 percent of the asset. I won't say probably 70, 80 percent the risk in the portfolio.

And then the other asset -- major asset class is 11 really fixed income, or we call this income segment. So 12 for these two major asset classes in our portfolio, for 13 their individual valuation, it's not as -- at the highest 14 15 or it's not at its richest point in history, so -- if you 16 look at the individual asset class by itself. However, if you put them together as a portfolio -- we call the 60/40 17 portfolio, roughly 60 percent in equity, 40 percent in the 18 19 income component, the combination of the portfolio, the valuation of that, it is at, historically speaking, a very 20 high level, which does not bode well for the future 21 returns of our portfolio. 2.2

That also highlights the importance of the diversification, because in the past, when you have two major asset class in the portfolio, when one is richly

J&K COURT REPORTING, LLC 916.476.3171

valued, the other one is not so, so you get a diversification effect. But now the combination with 60/40 portfolio, the valuation of that is quite high. So again I said it does not bode very well for the future return of the portfolio.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

The other risks that recently surfaced and caused a lot of people concern in the -- about the inflation -the recession may be coming is the inversion of the yield curve, which happened in March. So when we say the inversion of the yield curve -- so normally, the interest rate curve, the long end -- the long maturities -- say, for example, the 10-year yield should be higher than the front end of the interest rate curve, say the 3-month T bill or Fed fund future.

And in March, the curve inverted. 15 And the most 16 monitored metrics of that is the 10-year yield and the 3-month T bill. So if the 10-year yield is below the 17 3-month T Bill, that what they call the inversion of the 18 19 yield curve. And normally when that happens, a year -- on average, a year after that, recession happens. 20 But the inversion -- in my personal opinion, in March, the 21 inversion yield curve is really because of the dovish 2.2 23 stand from the Fed. And the Fed adopted a more dovish stand in March is really the main reflection of their 24 25 concern of the lack of inflation, plus the unsettled,

J&K COURT REPORTING, LLC 916.476.3171

uncertainty from trade, and external -- the slow down of external demand. So that is a risk that a lot of people talk about the inversion yield curve.

1

2

3

4

5

6

7

8

9

10

And there's another risk people talk a lot, more concerned, particularly at the end of last year was a major -- was the monetary policy -- global monetary policy with Fed and Central Bank other -- Central Bank of other countries would they make a monetary policy mistake and to upset the economy -- the recovery of the economy. So that was a very legit concern back in Q4 of last year.

But since then, we haven't seen -- that again, as 11 I said, that in March, the Fed adopted a very dovish stand 12 in monetary policy. And so basically the Fed is on hold. 13 And then you also see other central banks, such as 14 15 People's Bank of China, PBOC, adopt outright easing 16 approach. And then with ECB and BOJ, Bank of Japan, and the European Central Bank, they continue to be 17 accommodative. 18

19 So which I think the monetary policy, we are 20 seeing another around of globally synchronized Central 21 Bank action to stimulate the economy. So with that in 22 place, I believe the monetary policy risk is somewhat 23 abated.

24 So we talk about the -- we talk about the 25 economy, the major risks, and overall we believe that the

J&K COURT REPORTING, LLC 916.476.3171

domestic risk in the U.S. is quite manageable. What can really upset or cause concern is externalities, part of the geopolitical risk, and element of how the trade disputes will be resolved. So this in the near term, I see a risk to the economy and to our portfolio.

1

2

3

4

5

6

7

8

9

10

11

12

So we talk about the economy. Now, I'd like to say that you know does \$362 billion, that's the AUM, of our portfolio today. If we say that's where the \$362 billion question to know which part of economic cycle we are on, then how does that translate into the portfolio performance or capital markets? That's another 3 plus trillion dollar question.

But with that, I'm happy to report as -- that my 13 quarter on the job as the new Chief Investment Officer, 14 the market -- if you recall in Q4 last year, particularly 15 16 around Christmas time, the market was very volatile, investment sentiment was quite bear-ish, and since has 17 changed meaningfully since then, the investment -- the 18 19 investor sentiment is high, the financial condition has improved significantly. 20

So as a result of that, the risky assets have delivered. All the major stock indices have delivered double digit return, S&P 500 delivered close to around 15 percent of the return. And, of course, you know, as the new Chief Investment Officer, anyone cannot claim any

J&K COURT REPORTING, LLC 916.476.3171

1 credit for the market moves.

2

3

4

5

6

7

19

But on that note, I would like to take a moment and again to recognize the importance as what I said in the January offsite presentation to you, the importance luck can play in short-term investments outcomes. And with that, you know, the luck component cannot -- it gets even better from here.

8 So now let's talk about the performance of our 9 portfolio in Ql of me being the -- my first quarter being 10 the Chief Investment Officer. So in Ql, our global equity 11 portfolio delivered roughly about 12 percent return. 12 Fixed income, the other major asset class is four and a 13 half percent of return.

And again, as I said, the luck component cannot get any better than this. If you combined all this together, the portfolio -- our portfolio in Q1 delivered exactly 7 percent of return, our target rate of return. Not 1 BP more, not one BP less, exactly 7 percent return.

(Laughter.)

20 CHIEF INVESTMENT OFFICER MENG: And again, of 21 course, I cannot take any credit for that, but I take that 22 as good omen for the fund.

And if you remember, my January offsite presentation where I referenced a story from my mom. She was really concerned about what I do for a living, because

J&K COURT REPORTING, LLC 916.476.3171

I couldn't predict her portfolio performance with 1 precision. And at least now I can say to her once, I 2 deliver something with precision that's 7 percent -- I 3 quote unquote delivered 7 percent return exactly on the 4 dot from the -- my very first quarter as the Chief 5 Investment Officer. 6 7 So with that, I would just pause and take any 8 questions that you may have. Thank you. 9 CHAIRPERSON SLATON: Thank you. 10 Ms. Brown. 11 COMMITTEE MEMBER BROWN: Thank you. Thank you 12 for your comments. It would be helpful to have those in 13 writing. Maybe we can get those. That would be great. 14 You know, you talked about our asset classes --15 16 or 60/40 and they're at a historical rich point. And I do agree that sometimes when the global equity is high, then 17 fixed is lower. But you said they're not, and it does not 18 19 bode very well for returns. So without divulging secrets, I -- can you just kind of help me, because you said we've 20 got, you know, 12.12 percent for global equity, and four 21 and a half. You know, do we -- it just sounds scary when 2.2 23 said it does bode well for returns. So just give me a little hint as to what you mean by that. 24

25

CHIEF INVESTMENT OFFICER MENG: Yes. If you

J&K COURT REPORTING, LLC 916.476.3171

1 recall, at January offsite, I mentioned a number of 2 challenges we face in the portfolio. And one of the 3 challenges is the high valuation for asset class. So when 4 the valuation for asset class is high today, it's 5 likely -- it's more likely that your return will be lower 6 in the future.

7 And so with the allocation of our portfolio --8 sorry. With the valuation of the two major asset classes in our portfolio at high levels, and particularly the 9 combination the of portfolio together at high levels, 10 that's why I said does not bode very well for future 11 returns, simply because the starting point today, the 12 asset class is so rich, you'll pay up for that asset, so 13 it does not bode very well for future returns. 14

COMMITTEE MEMBER BROWN: Okay. Thank you.

16 CHAIRPERSON SLATON: Okay. We have no further 17 questions. Thank you for the report. And 7 percent, not 18 one less or one more.

19 CHIEF INVESTMENT OFFICER MENG: Of course, the 20 goal is to achieve more than 7 percent.

15

21

CHAIRPERSON SLATON: No, I know.

CHIEF INVESTMENT OFFICER MENG: If we deliver 7 percent, the funded status stayed at 71 percent. In order to close that gap, our aspiration, our goal to earn more than 7 percent.

CHAIRPERSON SLATON: Of course. 1 CHIEF INVESTMENT OFFICER MENG: But my point is I 2 3 take it as a good omen for the fund. CHAIRPERSON SLATON: Exactly. Very good. Thank 4 5 you very much. We'll move to Item number 6. I don't have any 6 requests to pull any of the information consent items. 7 8 So we will move to Item number 7, which is 7a, 9 the Assembly Bill -- excuse me. COMMITTEE MEMBER TAYLOR: Item 5. 10 CHAIRPERSON SLATON: So -- oh, I'm sorry. You're 11 right, number 5. I skipped that. 12 Pardon me. Item 5 is approval of the Investment 13 Committee Open session meeting minutes. 14 Do I hear motion? 15 16 COMMITTEE MEMBER JONES: Move it. COMMITTEE MEMBER HOLLINGER: Second. 17 CHAIRPERSON SLATON: Motion from Jones, second 18 from Hollinger. 19 20 All right. All those in favor say aye? (Ayes.) 21 CHAIRPERSON SLATON: Opposed? 2.2 Motion carries. 23 Now, I had no information consent requests to be 24 25 pulled. So we'll move to Item number 7a, Assembly Bill

1320 from Nazarian, divestment from Turkish investment vehicles. Mr. Brown.

1

2

3

4

5

6

7

8

9

10

11

12

LEGISLATIVE AFFAIRS DIVISION CHIEF BROWN: Good morning, Mr. Chair and Committee members. Danny Brown, CalPERS team member.

AB 1320 by Assembly Member Nazarian is an action item and it deals with divestment from Turkish investment vehicles. The requirements of this bill would kick-in if Congress passes and the President signs a federal law that imposes sanctions on the government of Turkey for failure to officially acknowledge its responsibility for the Armenian genocide.

13 If such action is taken, then CalPERS and CalSTRS 14 would be required to stop making any new or additional 15 investments in an investment vehicle in Turkey that is 16 issued, owned, controlled, or managed by the Government of 17 Turkey. The systems would also have 18 months to divest 18 from any such investments.

The bill would also automatically sunset on January 1st, 2025, or sooner, if a specified federal entity determines that the Government of Turkey has officially acknowledged its responsibility of the Armenian genocide.

24 While we certainly appreciate and respect the 25 underlying spirit and purpose of Assembly Member

J&K COURT REPORTING, LLC 916.476.3171

Nazarian's bill as it relates to the Armenian genocide, it is -- we are making a recommendation of oppose, like we did last month on the private prison bill. In making this recommendation, staff is trying to take the social and political issues out of the equation, but rather focus on our investment policies that prefer construction -- or constructive engagement as a way to change behavior.

8 We also want to ensure that our Investment Office 9 has a full set of investment opportunities to hit their 7 10 percent target. And with that, that ends my comments and 11 happy to answer any questions.

CHAIRPERSON SLATON: Okay. Mr. Jones.

13 COMMITTEE MEMBER JONES: Yeah. Thank you, Mr.14 Chair. I move approval.

COMMITTEE MEMBER BROWN: Second.

12

15

16 CHAIRPERSON SLATON: All right. We have a motion 17 on the floor. And, let's see. Okay. Treasurer Ma 18 seconded the motion.

VICE CHAIRPERSON FECKNER: She wants a roll call. 19 20 CHAIRPERSON SLATON: You want a roll call. COMMITTEE MEMBER BROWN: 21 Brown. CHAIRPERSON SLATON: All right. Ms. Brown 2.2 23 seconded the motion. COMMITTEE MEMBER BROWN: 24 Yes. 25 CHAIRPERSON SLATON: All right. Thank you.

J&K COURT REPORTING, LLC 916.476.3171

Okay. We have a motion on the floor, but we have comments 1 before that. 2

3

8

9

25

So, Ms. Taylor.

COMMITTEE MEMBER TAYLOR: Yes. Thank you, Mr. 4 Brown. 5

I just wanted to ask really quickly, so the bill 6 7 says that if the United States government ever passes a law that says we're -- we need to divest because they haven't -- Turkey hasn't admitted to the genocide, then we would have to divest, is that correct? 10

LEGISLATIVE AFFAIRS DIVISION CHIEF BROWN: 11 That is correct, yes. 12

COMMITTEE MEMBER TAYLOR: Okay. And then my 13 other -- I just wanted to make sure I understood this 14 15 correctly. While you were talking, I was going through 16 it, and I'm not sure I caught this. You said something about that Turkey has acknowledged? Did I miss that? I 17 just heard that -- and I'm sorry, I missed it. 18

LEGISLATIVE AFFAIRS DIVISION CHIEF BROWN: 19 No, I 20 didn't -- I did not say that, or if I did, I am sorry. But I said there is a -- I think -- I might have been 21 referring to the provision that says that if a federal 2.2 23 entity states that the Government of Turkey has recognized the Armenian genocide, then this bill would sunset. 24

COMMITTEE MEMBER TAYLOR: Got it. Okay. And

then -- and we're taking an oppose position, even though 1 it would not impact us, unless the United States 2 government would pass something, correct, and --3 LEGISLATIVE AFFAIRS DIVISION CHIEF BROWN: Well, 4 I mean that is staff's recommendation to oppose, 5 regardless of that requirement, just overall concerns with 6 7 divestment bills. 8 COMMITTEE MEMBER TAYLOR: Just because of 9 divestment bills. LEGISLATIVE AFFAIRS DIVISION CHIEF BROWN: 10 Yes. COMMITTEE MEMBER TAYLOR: Not necessarily over 11 any underlying reason and --12 LEGISLATIVE AFFAIRS DIVISION CHIEF BROWN: Sure. 13 COMMITTEE MEMBER TAYLOR: Okay. I just think 14 it's kind of a little odd that we're opposing a bill that 15 16 won't even go into effect, especially under this administration. We know that for a fact. Is there a way 17 we can get to a neutral? Can I make a motion to amend --18 19 COMMITTEE MEMBER RUBALCAVA: If you make a 20 motion, I'll second it. COMMITTEE MEMBER TAYLOR: Can I make a motion to 21 amend to a neutral position? 2.2 23 CHAIRPERSON SLATON: Well, you can make a substitute motion. 24 COMMITTEE MEMBER TAYLOR: Substitute motion. 25

J&K COURT REPORTING, LLC 916.476.3171

CHAIRPERSON SLATON: That would require a second. COMMITTEE MEMBER RUBALCAVA: I'll second. CHAIRPERSON SLATON: Okay. Motion from Taylor, 3 second from Rubalcava. Let's continue the conversation. 4 So that's the motion on the floor is to take a neutral 5 position. 6

Treasurer Ma.

1

2

7

8

9

10

11

12

13

14

15

16

17

24

25

COMMITTEE MEMBER MA: Thank you. Thank you. Having been in the Assembly before, I have actually coauthored divestment bills. And I -- we had a very robust conversation in CalSTRS about the Bonta bill, for example. And I understand, you know, we have a fiduciary hat over here. But like the Bonta bill, he did put a provision in that would allow us, as CalPERS/CalSTRS members, to put on our fiduciary hat, given if he gets that bill to the Governor's desk and signed. So I abstained from that vote in CalSTRS.

Similarly, I believe this bill also has a 18 19 provision that it requires the federal government to act. 20 I'm going to also abstain on taking a position here today to be consistent. 21

CHAIRPERSON SLATON: Okay. Thank you, Treasurer 2.2 23 Ma.

Mr. Perez.

COMMITTEE MEMBER PEREZ: Thank you.

J&K COURT REPORTING, LLC 916.476.3171

This isn't so much about the bill -- the intent 1 of the bill absolutely is to get Turkey to recognize what 2 they've done and shame on them. But we need to support 3 staff and take the politics and social issues out of 4 CalPERS. CalPERS Simply is a retirement fund, plain and 5 simple. 6 7 CHAIRPERSON SLATON: Okay. I see no further 8 requests to speak. We have a motion on the floor to take a neutral position and requested to do a roll call. We'll 9 do an electronic vote. 10 So if you'll set up the Board for that. 11 This is on the substitute motion to take a 12 neutral position, which has been moved and seconded. 13 So please vote. 14 (Thereupon an electronic vote was taken.) 15 16 CHAIRPERSON SLATON: All right. The motion fails. 17 I think the motion still fails. 18 19 All right. So the motion on the floor now -- if you'll clear the Board, the motion on the floor is to 20 support the staff position to take a opposed position on 21 the bill. 2.2 23 Can you clear that Board, so we can. MS. HOPPER: I already did. 24 25 CHAIRPERSON SLATON: Oh, everybody voted pretty

1	fast.
2	No, that's not it's not cleared.
3	Let's start over. All right. Now, if you'll
4	everyone can vote.
5	(Thereupon an electronic vote was taken.)
6	CHAIRPERSON SLATON: All right. Motion passes.
7	All right. We'll move to Item number 8, the
8	information agenda item on total Fund. 8a, Review of
9	Private Equity Co-Investments, Ben Meng and Sarah Corr.
10	CHIEF INVESTMENT OFFICER MENG: Okay. Thank you,
11	Mr. Chair. Ben Meng, Chief Investment Officer. I'm here
12	today joined by Sarah Corr, our Interim Managing
13	Investment Director for Private Equity.
14	So as you recall that when we were reviewing the
15	proposed two addition to our private equity business
16	model, namely Pillar 3 and Pillar 4, we were approached
17	with a number of questions by our stakeholder groups. And
18	one of the questions was regarding the co-investment
19	activities in private equity as part of the Pillar 2, our
20	existing business model.
21	And in February Investment Committee, the Chair
	And in February Investment Committee, the Chair
22	directed the staff to develop a review of co-investment
22 23	
	directed the staff to develop a review of co-investment
23	directed the staff to develop a review of co-investment activities in private equity. So today, Sarah and I are

1 2

17

(Thereupon an overhead presentation was presented as follows.)

CHIEF INVESTMENT OFFICER MENG: And with that --3 so in this morning's session we will address four 4 questions. First, is the what -- what question. 5 What is co-investment? And the second question is how. What are 6 Sorry. 7 the different approaches to co-investment? The 8 what -- what is -- what is the co-investment in private equity. The second question is how, how to approach 9 co-investment investing in private equity. And the third 10 question is why. Why co-investment? From both limited 11 partner's perspective, which is us, as well as general 12 partner's perspective, which is the -- you know, general 13 partner, the private equity fund managers. And then the 14 last question we would like to address is the current 15 16 state of the co-investment market in private equity.

-----

18 CHIEF INVESTMENT OFFICER MENG: So the first 19 question is what? What is co-investment in private 20 equity?

So before we answer that question, let's do a quick review of what we are doing now in -- the majority of our private equity investment are done with funds. So that is -- we'll call the Pillar 2, the main part of the Pillar 2. So in the fund which is the top diagram depicts

J&K COURT REPORTING, LLC 916.476.3171

the mechanism of the fund investment. So we as the investor or limited partner is the box on the left, the gray box. So we invest in a legal entity that's called the partnership of the fund. And then that legal entity hires the general partner, which is the private equity manager, the general partner, to go out and source potential investment deals of the portfolio companies. That's the one on the right. And then the partnership will invest in that company.

1

2

3

4

5

6

7

8

9

11

So that's currently the majority of our private 10 equity investment are done through commingled fund, the top diagram. And in the commingled fund structure, the 12 general partners are investor like this, we have very 13 little say in terms of investment decisions. We have 14 no -- very little control in terms of portfolio 15 16 construction when -- what to buy and how much.

17 Then the bottom diagram is the co-investment. As you can see, we as the investor on the left, the gray box, 18 in addition to the fund investment into the portfolio 19 companies, which is the box on the right, in addition to 20 the fund investment, we also invest directly into the 21 portfolio company. That's the line -- the solid black 2.2 23 line in the bottom.

We also invest in the portfolio company directly 24 25 alongside the general partners. And when we invest in the

> J&K COURT REPORTING, LLC 916.476.3171

co-investment -- when we engage in co-investment 1 activities, we do have some discretion in terms of when, 2 how much, and what to put into the portfolio. So that is 3 the basic difference between the fund investment and the 4 co-investment. So we're -- we'll be more engaged 5 participating in the investment decision-making process. 6 So this answers the question what is 7 8 co-investment activity in private equity. 9 -----CHIEF INVESTMENT OFFICER MENG: Now, the second 10 question is the how. What are the current approaches to 11 co-investment activities? 12 So broadly speaking, there are three different 13 approaches to co-investment activities. It comes with 14 different level of execution expert -- execution 15 16 complexity, as well as time required on the staff. So as you can see on this chart, the X axis is the execution 17 complexity. So there are three labels of them, 18 19 syndicated, co on the right-hand and co-sponsor or 20 co-lead. Then the Y axis is the time required -- staff 21 2.2

time required. So as you can see in the lower left part 23 of the chart that is the syndicated approach. And the syndicated approach means that LP, or the investor like 25 us, we do not get involved in the investment until after

24

J&K COURT REPORTING, LLC 916.476.3171

2.4

the GPs has their agreements to buy a portfolio company has been signed by the GPs. So LP does not get involved until the purchase agreement is signed by the GPs already.

1

2

3

4

5

6

7

8

9

10

11

14

So that is -- and that requires a minimum amount of execution complexity, and very short time turnaround as well, because it's so late in the decision-making process. When GP go out, they sign the agreement to buy a company first. Then they turn around to syndicate out a piece of the equity to selected investors as a co-investment.

So this is the lowest, this on the left part of the chart. And then on the other end of the extreme, which is the top right part of the chart, where you can --12 co-investors can engage in co-investment activities much 13 early on, so that what we call co-sponsor and co-lead. 15 And naturally it comes with higher execution complexity 16 and much more requirement on the staff's time, expertise, and the internal decision-making governance. So this is 17 on the right. 18

19 And on the co-lead, the co-sponsor, there are times that co-investors like LP like us are involved even 20 before the deal is identified. So it means that the 21 co-investor LP is involved as early as in the deal 2.2 23 sourcing stage, so it can be very early on.

Then there is also the middle approach if it's 24 25 the co-underwritten approach, this is that the LPs, the

> J&K COURT REPORTING, LLC 916.476.3171

investors, do not get involved until after the deal is identified, but before the purchase agreement is signed. So this is the middle approach.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

25

And as part of this exercise, we approached about 10 of our large global peers, who all have -- are actively engaging in co-investment activities. And all this co -global peers, large global peers, they all started their co-investment activity in the lower left part of the chart, the syndicated approach.

And after years of experiencing many cases -more than a decade of experience, one of them has migrated into the middle, which is co-underwriting. And the three of them has evolved into all the way to the right, the top right, which is the co-sponsor.

15 It is interesting to note that one of the three 16 who has evolved into the most aggressive or most level 17 engagement in co-investment activity, one of them actually 18 is migrating backward toward the middle approach, after 19 realizing the challenge they face, in terms of bringing 20 all the expertise in-house after years and years of trying 21 in syndicated and co-underwriting approach.

22 So just co-investment activity is relatively new, 23 probably is more a phenomena of the past decade. So 24 that's the evolution of our global peers.

--000--

CHIEF INVESTMENT OFFICER MENG: So this answers the how question, what are the different approaches to co-investment activities.

And now let talks -- talks about why, why do people do co-investment? What is the LP's perspective?

So first of all, LPs do co-investment, largely 6 because of a potential enhanced return, and mainly because the lower overall fees. So in co-investment, unlike in funds, in co-investment, LPs like this normally do not have to pay any fee. No fee, no carry. So the saving of the fee and the carry alone can -- everything else being equal, will help us to increase the total portfolio net return.

The other benefit LPs see in co-investment 14 15 activity is really to additional mean to increase capital 16 deployment to private equity, the best performing asset class in our portfolio. As I said -- mentioned earlier on 17 that co-investment activity also gave investors like us 18 19 greater control over when, what, and how much they investment to put into the portfolio. So that we have 20 better control in portfolio construction in terms of 21 geographic diversification, sector diversification, 2.2 23 vintage year diversification, and then general partner's diversification. 24

25

1

2

3

4

5

7

8

9

10

11

12

13

So through co-investment we're getting some more

control of portfolio construction. And then last, but not least, through co-investment, LPs will have an opportunity to strengthen the relationship with our core GPs. And by working alongside them, we can learn -- we can gain deeper understanding of their team, their approach, their investment philosophy and strategy, their strengths and weakness.

1

2

3

4

5

6

7

24

25

And this deeper understanding of the general partners comes with two added benefits. One is that when they select managers for our Pillar 2 of the private equity business, which currently is the cornerstone of our private equity portfolio, the deeper understanding of our general partners will help us to slack better general partners in our portfolio.

And in addition, by working alongside with general partners, we can gain the knowledge, the industry best practice, and the investment knowledge, and with the hope that gradually we can bring that expertise and knowledge in-house. So we see two-folds of benefits by working closely with core general partners.

21 So this why the benefits that GP -- no, LPs, 22 limited partner, investment like us see in co-investment 23 activities.

-----

CHIEF INVESTMENT OFFICER MENG: But also there

J&K COURT REPORTING, LLC 916.476.3171

are risks to LPs as well in co-investment. First, we see co-investment can be very resource intensive. As you saw in the previous slide, a different level of engagement by LPs, you know, from syndicated as the lowest level of engagement, all the way to the co-lead and co-sponsor, that is the highest level of engagement from LPs. 6 So it can be very resource intensive.

1

2

3

4

5

7

8 And also co-investment opportunities usually requires much quicker turnaround for approval, which can 9 impose challenges for the internal decision-making 10 11 governance model.

We also see risks in portfolio construction. 12 Inconsistent or uneven approach to co-investment can lead 13 to suboptimal portfolio constructions. We'll elaborate on 14 this point later in this afternoon. 15

16 Also, co-investment can lead to a more 17 concentrated portfolio. Because as you see the co-investment in -- it is in addition to the fund 18 19 investment, we add more equity check to the portfolio 20 company. So that means that we are increasing concentration to a few names in our portfolio. This risk 21 can be mitigated depending on our approach to 2.2 23 co-investment.

And concentration is not all bad. As I said 24 25 again in January offsite, there is, what we call, the

> J&K COURT REPORTING, LLC 916.476.3171

rational concentration. So you concentrate your portfolio position in proportion to your conviction level.

1

2

11

12

13

24

25

The other risk -- potential risk people talk a 3 lot is the concerns of possible adverse selection. So 4 what we mean by adverse selections here is that what are 5 the motives for the general partner to offer co-investment 6 opportunities to LPs like us? Do they intentionally hold 7 8 back, you know, more attractive deals for themselves, and perhaps only offer potentially less attractive deals to 9 10 general partners?

Recent studies, as well as our own experience, disputes this. So we'll dedicate a slide later just on this topic, the risk of adverse selection.

And then the last, but definitely not least, risk 14 15 is headline risk. So when we invest in portfolio company 16 in fund structure, we actually invest in the fund. And then the fund go out to buy the company. So we're kind of 17 isolated a little bit from the portfolio company directly. 18 19 But now as a co-investment, we are one step closer to the portfolio company. And as a public agency, we're very 20 acutely aware of the headline risk. So this co-investment 21 activity, because we are one step closer to the portfolio 2.2 23 company we own, can create more headline risk for us.

CHIEF INVESTMENT OFFICER MENG: So this is the

J&K COURT REPORTING, LLC 916.476.3171

--000--

LPs perspective why co-investment. And we know everything in the society in the capital market, it takes two to tango. So the past rapid growth in co-investment activities are the results of both the increasing demand by investor like us, as well as a supply of co-investment activities by the general partners.

1

2

3

4

5

6

7

8

9

10

11

12

So now I'd like to take a look at why general partners provide co-investment activities. For one is really to increase their competitiveness in large deal size, the market segment. As we know that in private equity, the larger the company, the larger the equity check, the less competition is there.

But in the traditional fund investment, usually each fund comes with a portfolio construction or investment policy. And that policy stays normally put a cap on how much the fund can invest in one portfolio company. So there's a limitation. So that limitation naturally limits how large the portfolio company the fund can go out to buy.

However, now we with the co-investment -co-investors available, the GPs can go up on the size of the portfolio company without having to violate the portfolio construction policy, because any extra beyond and above the risk limitation, they can offer that as a co-investment -- a co-investment to co-investors.

J&K COURT REPORTING, LLC 916.476.3171

So the co-investment activity really helps GPs to increase their competitiveness in the larger part for the market segment. And that capability also will help them to increase their capability in raising primary funds.

The second benefit that a GP see is really to enhance their relationship with the existing LPs by offering favorable economic terms, and the more attractive co-investment activities to selected limited partners investors, like us. So this is the other benefit that GPs see in co-investment. And that's why they offer co-investment activities.

And then when GP -- as we said, as you know, co-investment activities in hot demand. More and more LPs wants more and more of co-investments. So when GPs decide whom to offer the co-investment activities to, what are their considerations? So normally GP have the following three considerations when offer -- when deciding on whom to offer the co-Investment activities:

First is they look for LPs who have had significant co-investment experience, and track record, and proven capability. Remember, they need a quick turnaround decision from LPs. Sometimes, or many times, these deals are already signed. The GPs already signed the deal to buy the company. And they have only short window of time to turn around to syndicate the equity

J&K COURT REPORTING, LLC 916.476.3171

1 2

3

4

5

6

7

8

9

10

piece check to selected LPs. So they need to know that,
 you know, LP you can deliver your part.

3

4

5

6

7

8

They're also looking for the speed of decision making. In the syndicated case, normally it's about 20 days, you had to turn around to say whether you want the deal or not. So the speed, can you make a quick decision or not, have you managed co-investment in a portfolio before?

And then recently, it's very interesting 9 developments in the marketplace. When GP offer 10 co-investment activities to co-investors, or LPs, they 11 also consider whether the co-investor, the LP like us, can 12 add other values. So in addition to financial capitals, 13 they're looking the co-investors to offer. They also 14 looking for co-investors who can add other values. 15 What 16 do we mean by other values?

17 So there are two examples just announced in the past months -- in the recent weeks actually. One is Valor 18 19 Equity Partners is a private equity fund manager focused 20 on early stage food and retail. And the reason that they announced a partnership, they offered co-investment 21 activities -- co-investment opportunities to Starbucks. 2.2 23 And from the press release, you can see that it is really -- is a -- it's a very good marriage. 24 25 So Starbucks being offered as a co-investor in

J&K COURT REPORTING, LLC 916.476.3171

the deal, Starbucks can really accelerate its understanding of the new trend in food and retail. But on the flip side, the GP, really the Valor Equity Partners, they really benefit from the knowledge of Starbucks knowledge in retail, as well as the mass distribution channel that Starbucks has.

1

2

3

4

5

6

7

8

9

10

24

25

So you see in this case, the Valor Equity Partners that GP offer the co-investment opportunity to Starbucks for value-added. In addition to financial capital, it's for the value-added to the deal.

And the other example recently announced is really the ES network, the continent distribution network. In a recent transaction, they team up with Amazon. And they hope that they can benefit from again the massive membership and distribution channel that Amazon can offer to the deal.

17 So again, that's where this is a relatively 18 recent phenomena. The GPs, when they decide whom to offer 19 co-investment opportunities to, in addition to the ability 20 of managing co-investment and the speed of decision 21 making, they're also looking for value-add from other 22 either operation or marketing, however you can bring to 23 the table. So that is GP's perspective.

--000--

CHIEF INVESTMENT OFFICER MENG: Now, I would like

to spend the next couple minutes on the current state of the last question, the current state of the co-investment in private equity.

1

2

3

4

5

6

7

8

9

10

11

12

13

So simply put, demand for co-investment opportunities from LPs community outstrips supply by GPs. In 2017, the estimated co-investment market share -market size by Camber Associates is about \$60 billion. And according to a survey last year, 72 percent of a large investor like us have an active co-investment program. And it is up from 60 percent in the previous year.

So LPs -- demand from LPs, it is our forecast will continue to grow.

--000--

14 CHIEF INVESTMENT OFFICER MENG: And then the 15 supply from GPs is likely to continue to grow as well. So 16 approximately 60 percent GPs surveyed by Preqin offer 17 co-investments, and estimate to offered on six percent of 18 all completed transactions. The percentage will be higher 19 for buyouts and lower for VC, but on average will be six 20 percent.

And again, from our conversation with our global peers that's LPs and GPs, and with the industry experts, the syndicated approach, which is on the lower left part of the chart, the least level of execution complexity and the least amount of time required on the staff, that

remain to be the most common approach by investors to approach co-investment.

1

2

3

4

5

6

7

8

9

--000--

CHIEF INVESTMENT OFFICER MENG: Okay. So now, as I said, that you know we'll dedicate one slide on the potential adverse selection. What are the motives for GP to offer co-investment opportunities? Do they hold back the better deals and offer only the potentially less attractive deals to LP as a co-investment opportunities.

10 So there are two well known scholarly articles 11 with opposing views. One is Fang et al., 20 -- first 12 published in 2014, finalized in 2015 which found evidence 13 of adverse selection. And then three years later Braun et 14 al. paper in -- first -- again, first published in 2017 15 and finalized in 2018 found no evidence of adverse 16 selection.

The key difference between these two articles, which we provided the link to the Board. The key difference between these two articles are really in the source of data, the size of the sample, and the representativeness of the sample -- the data sample, as well as the study methodology.

The later study, Braun et al. 2018 used a much larger data size, more representative data size, and slightly better study methodology. So naturally it will

J&K COURT REPORTING, LLC 916.476.3171

1 lead to more solid conclusions, which conclude that there 2 are no evidence of adverse selection, which is consistent 3 with our own experience which we will elaborate later this 4 afternoon.

And that finding that there's no adverse selection is also consistent with well respected private equity industry consultants, fundings such as Camber Associates, Preqin, and StepStone.

9 So with that, I would conclude. Okay. I guess 10 with that, I have to pause and answer questions, since 11 this clicker doesn't work anymore.

So answered -- I'm happen to answer any questions.

14 CHAIRPERSON SLATON: All right. Thank you very 15 much.

```
Ms. Brown.
```

5

6

7

8

16

COMMITTEE MEMBER BROWN: Thank you for the presentation, Ben. I've been -- since I've gotten on the Board I've been talking about why aren't we doing more co-investments or what co-investments are we doing? And I think we'll be talking about that later in closed session.

And you sort of answered my first question on page 10, which is you talk -- these two studies by Fang and Braun talk about -- you talk about the difference in data. And, of course, my note in my iPad is here is,

well, what's our own data show us? And I -- we're going 1 to discuss that in closed session, correct? 2 CHIEF INVESTMENT OFFICER MENG: Yes. 3 COMMITTEE MEMBER BROWN: Okay. 4 CHIEF INVESTMENT OFFICER MENG: We'll cover that 5 in closed session, and our own data. I have to say our 6 7 sample size is larger than the first study, the Fang et 8 al. So that again just shows the lack of transparency in the private equity as asset class data is the challenge. 9 10 There are no shortage of smart people. A scholar can analyze anything, but the challenge is lack of data. 11 COMMITTEE MEMBER BROWN: Right. And I believe we 12 have that data in our -- is it called PEARS or PEARS the 13 system? Is that where we have that data? 14 CHIEF INVESTMENT OFFICER MENG: I'll defer to 15 16 Sarah. COMMITTEE MEMBER BROWN: 17 Great. INTERIM MANAGING INVESTMENT DIRECTOR CORR: 18 We 19 have --20 COMMITTEE MEMBER BROWN: And I've only heard about PEARS. I haven't actually seen it. Maybe we could 21 get that, at some point in time, some information on that? 2.2 23 INTERIM MANAGING INVESTMENT DIRECTOR CORR: So the PEARS system has information on all of CalPERS 24 25 investments and whether they're co-investments or

J&K COURT REPORTING, LLC 916.476.3171

1 2

3

4

5

6

co-invest -- or commingled funds or separate accounts.

COMMITTEE MEMBER BROWN: And so that's where you're pulling our data set from, that --

INTERIM MANAGING INVESTMENT DIRECTOR CORR: Some of it's from there and some of it's received directly from the general partners.

7 COMMITTEE MEMBER BROWN: Great. And then going 8 back to slide 6, and -- on adverse selection. So again, this is the same type of thing. You know, I would agree 9 that you would sort of think that the general partners 10 wouldn't necessarily give the limited partner the good --11 the good co-investments. But again, they might need to in 12 order to generate more money, because they might be 13 limited by their agreement. 14

And also, I mean, an LP will take a 15 16 co-investment. But if we're always on the short end, we're not going to continue to do co-investments. 17 So there's a symbiotic relationship between the GP and LP and 18 co-investments. And I'd just like to say that I really 19 hope we step this up, we get the consultant we need in 20 here to help us, and we start moving on this. If we --21 first you do it on the low end of the XY axis, that's 2.2 23 fine. But hopefully, we get to the part where we can get on the -- where we're doing a lot of the work ourselves 24 25 in-house. That's what I'm hoping for, and we can get the

benefit of the returns. 1

2

3

4

5

6

7

8

9

10

11

14

Because my knowledge is that when we co-invest alongside with our private equity investments, because we don't pay fees or carry, it actually helps the overall returns for the portfolio. And I'm hoping we get there.

Thank you.

CHIEF INVESTMENT OFFICER MENG: Yeah. So that will be a discussion this afternoon.

But back to your point adverse selection, I agree with you. If you think about the general partner's motives, why do they offer co-investment to selected limited partners like us? One, is that the ticket size is 12 too big. 13

> COMMITTEE MEMBER BROWN: Um-hmm.

15 CHIEF INVESTMENT OFFICER MENG: So they need 16 financial capital. And the other one is that they are trying to enhance the relationship with selected limited 17 partners. So they wouldn't want to ruin the relationship. 18 And their business really relies follow on fund, follow on 19 20 fund, exactly as you point out that if the limited partner fund out, they always hold -- always hold the shorter end 21 of the stick, you wouldn't reinvest with them anymore. 2.2

23 COMMITTEE MEMBER BROWN: Well, let's hope that the GPs start looking to us to do more co-investments. 24 25 That's my hope.

CHIEF INVESTMENT OFFICER MENG: Thank you. COMMITTEE MEMBER BROWN: Thank you. CHAIRPERSON SLATON: Controller Yee. COMMITTEE MEMBER YEE: Thank you, Mr. Chairman.

And thank you for the presentation. This is really excellent in terms of just going in knowing what the risks are and identifying those.

As you know, I've placed a pretty good premium on 9 governance. And I wanted to just ask a question as to 10 whether CalPERS will have greater governance rights in a 11 co-investment structure? If you could comment.

12 CHIEF INVESTMENT OFFICER MENG: Yes. Yes and no. 13 Generally speaking, yes. So let me go back to this. So 14 once you become a co-investor, the bottom half of 15 diagram --

16

1

2

3

4

5

6

7

COMMITTEE MEMBER YEE: Yeah.

CHIEF INVESTMENT OFFICER MENG: -- no matter the 17 level of engagement, either the lowest level, from 18 19 syndicated, to the highest level, co-lead, will have more 20 information to the portfolio company, because we are more direct ownership of the portfolio company now. So we'll 21 have more information, more transparency. And in terms of 2.2 23 the governance, if we're all the way on the right, say co-sponsor and co-lead, most likely it will come with a 24 25 board seat at the portfolio company level. But that's a

requirement that we had to be ready and willing to sit on the board, and be value-add on the board of portfolio companies, and we'll have more influence on the governance. So exactly we'll have more control on the investments and on the governance and the information as well.

7 COMMITTEE MEMBER YEE: Okay. Good. Good. 8 That's what I thought just kind of synching up those two. 9 That's great. And then, you know, with respect to the 10 risks that were identified, adverse selection, I 11 understand certainly the conclusion there. How do you 12 intend to mitigate portfolio concentration?

13 CHIEF INVESTMENT OFFICER MENG: Yeah. So I plan14 to discuss that in the afternoon.

COMMITTEE MEMBER YEE: Okay.

15

25

16 CHIEF INVESTMENT OFFICER MENG: But that touch 17 upon our strategy forward.

18 COMMITTEE MEMBER YEE: Okay. All right. That's 19 fine. And then just a question with respect to the speed 20 I guess. How confident are you that your due diligence 21 process can meet the requirement that GPs are seeking in 22 terms of execution on opportunities quickly?

23 CHIEF INVESTMENT OFFICER MENG: Yeah. So again, 24 that's another topic this afternoon.

COMMITTEE MEMBER YEE: Okay. All right. Thank

1 you.

2

3

4

5

6

7

8

9

25

CHAIRPERSON SLATON: Okay. Ms. Hollinger. COMMITTEE MEMBER HOLLINGER: Thank you.

Ben, I really appreciate this. And I think one of the challenges going forward that we faced historically is how do get to scale? How do we increase our allocation to private equity? And I think co-investment provides us with that opportunity. So I'm very supportive, along with my colleague, Ms. Brown.

A couple of questions. When I was at Rotman and I met with the Canadian Pensions who are doing direct and co-investment deals, they can do that turnaround or give a yes or a no immediately. And if this is a question for later, is there something -- are we able to do that or is there something you need from the Board to be able to execute on that?

17 CHIEF INVESTMENT OFFICER MENG: Yeah. Currently, 18 We cannot. So that's what we intend to bring up this 19 afternoon, what we will need from this Board.

20 COMMITTEE MEMBER HOLLINGER: Okay. Okay. 21 Because that was my -- because I think historically, 22 probably that's prevented us. And so I just want to make 23 sure that we would give you the tools you need to move 24 forward.

CHIEF INVESTMENT OFFICER MENG: Yeah.

COMMITTEE MEMBER HOLLINGER: Okay. Thank you. CHAIRPERSON SLATON: Mr. Miller.

COMMITTEE MEMBER MILLER: Yeah. Again, thank you. This presentation has been -- is very well crafted. And I think it provides me with a -- some -- a good example and food for through for some of the other work we're doing on improving board materials. So thank you for that right off the bat.

And to kind of piggyback on Ms. Hollinger's 9 comment -- and I know we'll probably get into more detail 10 late, but it seems to me that the co-investment space is 11 going to be important moving forward. And kind of my kind 12 of mantra I keep coming back to is, you know, I'm looking 13 forward to seeing more and more how this really aligns 14 with this whole concept of kind of strategic workforce and 15 16 talent flow management, and how it integrates with our budget process and everything. And I know we'll get more 17 into detail. 18

But that's certainly -- you know, looking as a long-term investor with long-term strategies, we've got to build that in and cook it in from the get-go. So I'll be looking forward to hearing more from you on this subject as we move along.

Thank you.

1

2

3

4

5

6

7

8

24

25

CHIEF INVESTMENT OFFICER MENG: Thank you.

J&K COURT REPORTING, LLC 916.476.3171

1 2

3

4

5

6

7

8

9

10

11

12

CHAIRPERSON SLATON: Mr. Jones.

COMMITTEE MEMBER JONES: Yeah. Thank you, Mr. Chair. I echo my colleagues, outstanding presentation. Appreciate the clarity that's embodied in the presentation.

And my question goes to the horizon, the timeline, for these two types of investments, the fund versus the co-investment. And one of the mitigating issues that we've talked about is this turnover in terms of private equity investment. You know, it's the short-term, five, seven, maybe even 10 years that doesn't align with our liabilities that are 40, 50, 60 years out.

13 So my question is looking at the co-investment, 14 while we could have already invested in the partnership, 15 but going around in the co-investment, can that be a 16 longer horizon than the partnership or does it have to be 17 the same?

18 CHIEF INVESTMENT OFFICER MENG: It has to be the 19 same.

20 COMMITTEE MEMBER JONES: It has to be the same. 21 CHIEF INVESTMENT OFFICER MENG: It currently is 22 structured as the same. So the portfolio company exit at 23 the same time. So as a co-investment, currently 24 structured, we cannot hold our co-investment piece for 25 longer. So the answer is no, we cannot do that yet.

COMMITTEE MEMBER JONES: So that explains we have 1 to find another vehicle to get that long term. 2 CHIEF INVESTMENT OFFICER MENG: Yes, exactly. 3 That Pillar 4. 4 COMMITTEE MEMBER JONES: Thank vou. 5 Okay. Ms. Brown. CHAIRPERSON SLATON: 6 COMMITTEE MEMBER BROWN: Thank you. 7 8 My question is for Sarah. Are we doing any 9 co-investments now? INTERIM MANAGING INVESTMENT DIRECTOR CORR: 10 We'll talk -- we can talk about that in closed session, but the 11 short answer is we're not currently doing any 12 co-investing. 13 COMMITTEE MEMBER BROWN: Thank you. 14 CHIEF INVESTMENT OFFICER MENG: Yeah. 15 This 16 afternoon, I'll give you a comprehensive review of the timeline history -- of our own history. 17 COMMITTEE MEMBER BROWN: Great. Thank you. 18 CHAIRPERSON SLATON: Well, I see no further 19 20 requests to speak. I want to thank you for this presentation. I mean, it's very clear that we are 21 pursuing an all-of-the-above strategy, and that 2.2 23 co-investments are a critical piece to this. And I think I speak on behalf of all the Board members that we're 24 25 going to look forward to our conversation in closed

session, where we can dig in more details. 1

CHIEF INVESTMENT OFFICER MENG: Yes. Thank you. CHAIRPERSON SLATON: So we move -- I think we're 3 finished with this item. We move to Item number 9, 4 Summary of Committee Direction. 5

CHIEF INVESTMENT OFFICER MENG: I jotted -- I noted none.

CHAIRPERSON SLATON: Okay. Didn't have any.

All right. So we'll move to public comment. 9 And I have one request to speak, Mr. Soares. And you'll have 10 three minutes. And good morning. 11

12

13

14

15

2

6

7

8

MR. SOARES: That's fine. Thank you.

Good morning. Again, I'm David Soares. I'm on the Board of the Retired Public Employees Association, and I'm a retired prosecutor.

16 And I just wanted to follow up on my comments at the last meeting, because I'm very concerned about the way 17 that closed session is being used. And I just want to 18 remind the CalPERS Board as individuals of section 11120 19 20 of the California Government Code, that is the preference for open government in the state of California. 21

And I'm also -- I want to remind the Board to 2.2 23 take a look at CalSTRS policy about closed session, and especially the 11126 Government Code Investment Rule. 24 25 CalSTRS policy is with regard to investment decisions, the

Board shall consider most investment matters in open session, unless such consideration would jeopardize execution of the investment or cause harm to the value of the investment.

1

2

3

4

5

6

7

8

9

10

11

12

What I don't want CalPERS to do is obviously expose negotiations, where outsiders can front-run CalPERS investments. That's not what I'm talking about. What I am talking about is the governance issue. This agency has had problems with governance. We all know, especially when high fees are sloshing around, that we have had problems at CalPERS with kickbacks even to a former CEO. That kind of money is very dangerous.

And so I want to encourage the Board as individuals -- Controller Yee had a really excellent idea that she mentioned at the last Investment Committee meeting, that this Board really needs independent outside counsel for advice, who do not report to the CEO, but rather report to the Board, and who are ethically bound to give the Board good advice.

The other thing that I want to encourage this Board, I don't know what you're discussing this closed session. But if you believe that closed session is being violated under the Government code, you do have the ability to talk to the State Auditor. I know that the State Attorney General has not taken an active role for

quite a few years in enforcement of the Bagley-Keene Open 1 Meeting Law. 2

But I can tell you from personal experience, I have filed a complaint with the State Auditor's office 4 about Bagley-Keene involved in this Board a couple years 5 ago, and I had a very good response. And I know that our 6 State Auditor, Elaine Howle, is now much more active about investigating and publishing public reports about these issues.

And so as individual Board members, you're not 10 just here on your own. And I strongly encourage you to 11 engage with the State Auditor if you believe that there 12 are issues with open meetings. 13

3

7

8

9

14

20

21

2.2

23

24

25

Thank you very much.

CHAIRPERSON SLATON: Okay. Thank you for your 15 16 comments.

That concludes the open session agenda. 17 We will adjourn now and go into closed session as soon as the room 18 19 clears.

Thank you very much.

(Thereupon California Public Employees' Retirement System, Investment Committee meeting open session adjourned at 10:26 a.m.)

	50
1	CERTIFICATE OF REPORTER
2	I, JAMES F. PETERS, a Certified Shorthand
3	Reporter of the State of California, do hereby certify:
4	That I am a disinterested person herein; that the
5	foregoing California Public Employees' Retirement System,
6	Board of Administration, Investment Committee open session
7	meeting was reported in shorthand by me, James F. Peters,
8	a Certified Shorthand Reporter of the State of California,
9	and was thereafter transcribed, under my direction, by
10	computer-assisted transcription;
11	I further certify that I am not of counsel or
12	attorney for any of the parties to said meeting nor in any
13	way interested in the outcome of said meeting.
14	IN WITNESS WHEREOF, I have hereunto set my hand
15	this 17th day of April, 2019.
16	
17	
18	
19	fames 4 Statta
20	MALLA
21	
22	JAMES F. PETERS, CSR
23	Certified Shorthand Reporter
24	License No. 10063
25	

J&K COURT REPORTING, LLC 916.476.3171