

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, NOVEMBER 14, 2016
9:27 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. Henry Jones, Chairperson

Mr. Bill Slaton, Vice Chairperson

Mr. Michael Bilbrey

Mr. John Chiang, also represented by Mr. Steve Suarez, Mr. Eric Lawyer

Mr. Richard Costigan

Mr. Rob Feckner

Mr. Richard Gillihan, represented by Ms. Katie Hagen

Ms. Dana Hollinger

Mr. J.J. Jelincic

Mr. Ron Lind

Ms. Priya Mathur

Mr. Theresa Taylor

Ms. Betty Yee, represented by Ms. Lynn Paquin

STAFF:

Ms. Marcie Frost, Chief Executive Officer

Ms. Cheryl Eason, Chief Financial Officer

Mr. Ted Eliopoulos, Chief Investment Officer

Mr. Matt Jacobs, General Counsel

Ms. Mary Anne Ashley, Chief, Legislative Affairs Division

Mr. Eric Baggesen, Managing Investment Director

Ms. Natalie Bickford, Committee Secretary

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

STAFF:

Mr. Dan Bienvenue, Managing Investment Director
Ms. Kit Crocker, Investment Director
Mr. Réal Desrochers, Managing Investment Director
Ms. Christine Gogan, Investment Director
Mr. Mahboob Hossain, Investment Director
Mr. Mike Inglett, Investment Manager
Mr. Paul Mouchakkaa, Managing Investment Director
Ms. Wylie Tollette, Chief Operating Investment Officer
Mr. Ed Yrure, Investment Director

ALSO PRESENT:

Mr. David Altshuler, StepStone
Mr. Andrew Bratt, Pension Consulting Alliance
Mr. Allan Emkin, Pension Consulting Alliance
Ms. Christy Fields, Pension Consulting Alliance
Mr. Andrew Junkin, Wilshire Consulting
Mr. Mike Moy, Pension Consulting Alliance

I N D E X

	PAGE
1. Call to Order and Roll Call	1
2. Executive Report - Chief Investment Officer Briefing	2
3. Consent Items	6
Action Consent Items:	
a. Approval of the September 19, 2016 Investment Committee Meeting Minutes	
4. Consent Items	6
Information Consent Items:	
a. Annual Calendar Review	
b. Draft Agenda for the December 19, 2016 Investment Committee Meeting	
c. Monthly Update - Performance and Risk	
d. Monthly Update - Investment Compliance	
e. Federal Investment Policy Representative Update	
Action Agenda Items	
5. Total Fund	
a. California Public Divest from Iran Act	6
6. Legislation	
a. State Legislative Proposal: Authorized Collateral for Security Loan Agreements	9
Information Agenda Items	
7. Legislation	
a. Annual Review of the Legislative and Policy Engagement Guidelines - First Reading	22
8. Program Reviews	
a. Private Equity Annual Program Review	39
b. Consultant Review of the Private Equity Program	98
c. Real Assets Annual Program Review	133
d. Consultant Review of the Real Assets Program	157
9. Summary of Committee Direction	179
10. Public Comment	182

I N D E X C O N T I N U E D

	PAGE
Adjournment	182
Reporter's Certificate	183

P R O C E E D I N G S

CHAIRPERSON JONES: I'd like to call the
Investment Committee Meeting to order.

The first order of business is the roll call
please.

COMMITTEE SECRETARY BICKFORD: Henry Jones?

CHAIRPERSON JONES: Here.

COMMITTEE SECRETARY BICKFORD: Bill Slaton?

VICE CHAIRPERSON SLATON: Here.

COMMITTEE SECRETARY BICKFORD: Michael Bilbrey?

COMMITTEE MEMBER BILBREY: Good morning.

COMMITTEE SECRETARY BICKFORD: Good morning.

John Chiang represented by Steve Juarez?

ACTING COMMITTEE MEMBER JUAREZ: Here.

COMMITTEE SECRETARY BICKFORD: Richard Costigan?

COMMITTEE MEMBER COSTIGAN: Here.

COMMITTEE SECRETARY BICKFORD: Rob Feckner?

COMMITTEE MEMBER FECKNER: Good morning.

COMMITTEE SECRETARY BICKFORD: Good morning.

Richard Gillihan represented by Katie Hagen?

ACTING COMMITTEE MEMBER HAGEN: Here.

COMMITTEE SECRETARY BICKFORD: Dana Hollinger?

COMMITTEE MEMBER HOLLINGER: Here.

COMMITTEE SECRETARY BICKFORD: Ron Lind?

COMMITTEE MEMBER LIND: Here.

1 COMMITTEE SECRETARY BICKFORD: J.J. Jelincic?

2 COMMITTEE MEMBER JELINCIC: Here.

3 COMMITTEE SECRETARY BICKFORD: Priya Mathur?

4 COMMITTEE MEMBER MATHUR: Good morning.

5 COMMITTEE SECRETARY BICKFORD: Good morning.

6 Theresa Taylor?

7 COMMITTEE MEMBER TAYLOR: Here.

8 COMMITTEE SECRETARY BICKFORD: Betty Yee

9 represented by Lynn Paquin?

10 ACTING COMMITTEE MEMBER PAQUIN: Here.

11 CHAIRPERSON JONES: Okay. Thank you very much.

12 The next order of business is the Executive

13 Report - Chief Investment Officer Briefing.

14 For that I call on the CIO Mr. Eliopoulos.

15 CHIEF INVESTMENT OFFICER ELIOPOULOS: Good
16 morning Mr. Chair, members of the Investment Committee.

17 I and the team thought it important to take a few
18 minutes here at the onset to provide some initial and
19 preliminary thoughts about the United States elections
20 held last week and the potential investment and economic
21 implications for CalPERS.

22 It is assuredly much too early to talk with any
23 precision about these implications since we know very
24 little about the specific policies that will be proposed
25 and enacted by the incoming administration and Congress.

1 I do believe this election is going to have a
2 significant impact on matters small and large for CalPERS
3 and investors globally. We will be operating in a
4 different environment than before the election, and we
5 will need to adjust as policies become clearer in the
6 years to come.

7 The United States capital markets have been the
8 core and in many aspects the model for the global system.
9 On many dimensions this election has the potential to make
10 significant change.

11 Under any circumstance we should prepare for a
12 period of greater uncertainty and volatility until the new
13 administration and Congress have implemented their policy,
14 plans, and decisions.

15 Now looking back prior to last week, prior to the
16 election, there were a number of themes we have discussed
17 that reflected a growing consensus by your Investment
18 staff and most investors throughout the globe.

19 Such things as a low inflation environment
20 despite quantitative easing around the globe. A moderate
21 growth globally that has been slowing. Despite all the
22 monetary policies throughout the globe, we've been living
23 and have been living in a world of low interest rates.

24 Demographic challenges globally, principally in
25 Japan and Europe and China, and to a lesser degree in the

1 United States. Global trade networks that were and are a
2 hallmark of the economy but coming under new pressures and
3 threats.

4 Now, looking after this election, the incoming
5 administration and Congress have outlined some broad
6 policy goals. Among them:

7 A growth agenda for the United States economy,
8 with the President-elect announcing a goal of as much as a
9 4 percent GDP growth target.

10 Large tax cuts. Some have estimated those could
11 be in the range of 4 to 7 trillion dollars, including
12 corporate tax cuts and personal income tax cuts.

13 Increased spending on infrastructure and defense.

14 A lessening or repeal of Dodd-Frank and a
15 potential for renegotiation and withdrawal from global
16 trade arrangements.

17 Now, on the one hand certainly the broad mix of
18 policy goals, of tax cuts, infrastructure, spending, and
19 reduced regulation can be viewed as positive for growth
20 and corporate earnings. But as in many things, the devil
21 will be in the details, and we don't know the details. As
22 we've observed, in fact, we've seen a 3 percent upsurge in
23 the U.S. stock market this past week.

24 The biggest potential risks of these broad policy
25 goals are unintended inflation and global trade

1 destabilization that could drive economic growth downward.

2 Now, the potential for inflation has already been
3 incorporated somewhat into bond pricing as bond yields
4 have moved 25 basis points this past week and the
5 inflation break-even has moved 20 basis points this past
6 week.

7 For now, we do not see any reasons to change our
8 investment allocations and profile, which we recently
9 adjusted and will be discussing at our December meeting.

10 Dramatic changes based on this election would be
11 premature as there are still too many questions left to be
12 answered in the coming months and years. It would be wise
13 however to incorporate into our investment outlook higher
14 potential volatility going forward across many capital
15 markets, as a result of the increased uncertainty around
16 economic policies going forward.

17 We do need to be prepared to address a much
18 different policy environment, new economic and investment
19 challenges and opportunities, and be ready to adjust, act,
20 and govern ourselves accordingly.

21 Mr. Chair, those are my comments, and I'd be
22 happy to take any questions you or the committee may have.

23 CHAIRPERSON JONES: Okay. Thank you very much,
24 Mr. Eliopoulos. There are no questions, but thanks for
25 getting out in front of this issue and at least giving us

1 the framework as we go forward to deal with some of these
2 potential issues.

3 Moving to the next item on the agenda is consent
4 action items.

5 Do I have a motion?

6 COMMITTEE MEMBER TAYLOR: Move.

7 CHAIRPERSON JONES: Moved by Ms. Taylor.

8 COMMITTEE MEMBER BILBREY: Second.

9 CHAIRPERSON JONES: Seconded by Mr. Bilbrey.

10 All those in favor, aye.

11 (Ayes.)

12 CHAIRPERSON JONES: Opposed?

13 None.

14 The item passes.

15 The next item on the agenda is Information
16 Consent Items. I have no requests to move anything from
17 the consent information items, so we move to Agenda Item
18 5, California Public Divestment from Iran Act.

19 Who's going to present that?

20 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

21 Thank you, Mr. Chair. Wylie Tollette, Investment
22 Office staff.

23 Kit Crocker, Investment Director of Investment
24 Compliance and Operational Risk will be presenting that
25 item.

1 INVESTMENT DIRECTOR CROCKER: Thank you and good
2 morning.

3 Item 5a is in response to the California Divest
4 from Iran Act which requires an annual review of the
5 portfolio for companies that may require divestment under
6 the Act. Staff is required to notify and engage with any
7 companies potentially engaged in the activities targeted
8 by the Act. And a failure to take substantial action to
9 curtail such activities makes the company subject to
10 divestment.

11 After engaging with the three companies that are
12 identified in your agenda item materials, staff has
13 concluded that they do not meet the threshold criteria for
14 divestment under the Act, and will be seeking the
15 committee's approval to remove them from the list.

16 Given recent events though, let me please just
17 say a few words about the federal Iran deal. The parties
18 to that deal in addition to Iran were the members of the
19 U.N. Security Council, and Germany. The deal isn't a
20 treaty, wasn't formally ratified and/or signed, and wasn't
21 ratified by the U.S. Government.

22 Importantly in terms of the California divestment
23 statute, the deal did not have the effect of removing Iran
24 from the federal government's list of state sponsors of
25 terror. Therefore, the conditions to the sunseting of

1 the California statute were not satisfied.

2 So the bottom line is, while the U.S. can
3 unilaterally withdraw from the Iran deal and re-impose
4 federal sanctions, either way, whether that deal stays or
5 goes, does not have an impact on the CalPERS' obligation
6 to respond to the California Divest from Iran Act.

7 With that I'll pause for any questions.

8 CHAIRPERSON JONES: Yes, we do.

9 Mr. Jelincic.

10 COMMITTEE MEMBER JELINCIC: Do we have any
11 holdings in these three companies currently?

12 INVESTMENT DIRECTOR CROCKER: Yes, we do.

13 COMMITTEE MEMBER JELINCIC: Any idea roughly what
14 size we're talking about?

15 INVESTMENT DIRECTOR CROCKER: I don't. But we
16 can get that.

17 COMMITTEE MEMBER JELINCIC: I was just looking --
18 is it a -- let me re -- is it a big number, is it a small
19 number, I mean, or do you have any sense?

20 INVESTMENT DIRECTOR CROCKER: You know, I'd
21 rather not say. I don't believe it's a big number, but
22 I'd rather not say. We can find out.

23 COMMITTEE MEMBER JELINCIC: Okay. I'll move
24 staff's recommendation.

25 CHAIRPERSON JONES: Okay. It's been moved by

1 Mr. Jelincic.

2 COMMITTEE MEMBER MATHUR: Second.

3 CHAIRPERSON JONES: And seconded by Mrs. Mathur.
4 And this is a roll call vote. We need to...

5 MS. HOPPER: It's coming up.

6 (Thereupon an electronic vote was taken.)

7 CHAIRPERSON JONES: Electronic, yeah. Mine is
8 blank. My screen is blank.

9 MS. HOPPER: It's up there.

10 CHAIRPERSON JONES: Okay. It passes. But
11 something's wrong with my screen. Okay.

12 There you go. Thank you.

13 INVESTMENT DIRECTOR CROCKER: Thank you.

14 CHAIRPERSON JONES: Okay. Thank you very much.

15 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:
16 Thank you.

17 CHAIRPERSON JONES: And by the way, Ted, could we
18 follow up on Mr. Jelincic's question on the Iran to
19 provide that information?

20 CHIEF INVESTMENT OFFICER ELIOPOULOS: Yes, sir.

21 CHAIRPERSON JONES: Okay. Thank you.

22 So moving to the next item on the agenda is Item
23 6a, State Legislative Proposal: Authorized Collateral for
24 Security Loan Agreements.

25 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: Good

1 morning, Chair Jones and members of the committee. Mary
2 Anne Ashley, CalPERS team member. I'm presenting Agenda
3 Item 6a, which is a legislative proposal, and it is an
4 action item. The analysis of the proposal is included in
5 your board materials for your reference.

6 The CalPERS investment team seeks committee
7 approval to sponsor legislation that would expand the
8 types of eligible marketable securities that CalPERS can
9 accept as collateral when engaging in security lending
10 agreements with borrowers while still maintaining existing
11 collateral levels consistent with current law.

12 CalPERS is currently authorized to enter into
13 security loan agreements. However, current law limits the
14 acceptable forms of collateral to cash, bonds, other
15 interest-bearing notes, and as otherwise restricted.

16 Over the last several years, however, increased
17 regulatory requirements have resulted in the greater use
18 of non-cash collateral among borrowers entering into
19 security lending agreements. The current restrictions
20 imposed on CalPERS are dated and do not reflect today's
21 global investment market.

22 Recently CalPERS had to decline a winning bid of
23 over \$15 million due to the statutory limitations on
24 accepting certain non-cash collateral. This restriction
25 can limit the flexibility to manage the CalPERS investment

1 portfolio in a cost-effective manner.

2 The investment team recommends seeking
3 legislative changes to expand the type of collateral that
4 CalPERS can accept in security lending agreements to
5 include public equity securities and international
6 government bonds, which will help align CalPERS' program
7 with current financial marketplace methods.

8 This change would allow CalPERS to maximize the
9 amount it can earn through security loan agreements and
10 also provide flexibility to manage the CalPERS investment
11 portfolio in a cost-effective, transparent, and risk-aware
12 manner.

13 And with that, myself and the investment team
14 would be happy to answer any questions.

15 Thank you.

16 CHAIRPERSON JONES: Okay. Thank you for the
17 report. We do have a couple questions.

18 Mr. Jelincic.

19 COMMITTEE MEMBER JELINCIC: I would point out
20 that, yes, the market is changing; but part of what got us
21 in trouble earlier is we chased the changes in the market
22 response and increased some significant risks. So I think
23 we need to think about whether these actually are positive
24 changes. So that's just an observation.

25 On the risks - you know, I've talked about this

1 before - you know, the only risk apparently is that the --
2 we're increasing the complexity. But clearly we are
3 increasing the volatility of the collateral. We're
4 accepting riskier assets this part of the collateral. So
5 we're increasing the risks as well as the complexity, and
6 it's not reflected here. So I want to again encourage
7 staff to think more broadly about what are the risks, so
8 that we actually are in a better position to weigh the
9 pros and cons of the action

10 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

11 Thank you for those comments, Mr. Jelincic. I'll
12 attempt to address your points.

13 The requested change to the PERL essentially
14 allows us to put into our own investment -- securities
15 lending investment policies the types of risk controls and
16 constraints around the securities lending program that we
17 think fit with the modern marketplace. STRS and many
18 other pension plans have actually been working under this
19 type of framework for many years; I think in the case of
20 STRS more than 20 years. It essentially allows us to
21 accept liquid equities and liquid international bonds into
22 the collateral pool. And what that does is it allows us
23 to expand our lending universe outside the U.S. The
24 current rules really restrict us to basically taking in
25 cash and treasuries.

1 So you think about many global investors don't
2 necessarily have a lot of U.S. dollars or U.S. treasuries
3 sitting on their book. Does it increase the volatility?
4 Yes, it does. However, that volatility many cases offsets
5 the actual risk of the lent security. If you think about
6 when securities lending is most active, it's most actively
7 taken up by investors who are taking a short position in
8 the stock. So if they give us stock, and the price of
9 that stock increases, the value of our collateral
10 increases in the same proportion that the liability of
11 that borrower increases. So the two move almost as a
12 natural hedge.

13 That is actually not the case currently with the
14 way that U.S. dollar and treasuries move in conjunction
15 with the stock markets. They're not as correlated.

16 So I think from our perspective, we think this is
17 a reasonable approach to expand the types of collateral.
18 We did in -- we do include in the agenda item the
19 requirement that those stocks be liquid, freely
20 transferrable on an electronic exchange; so that means we
21 can move them back and forth between ourselves and other
22 investors readily.

23 And last but not least, priced on a daily basis.
24 The reason that that's important is these collateral
25 requirements in the current PERL were written at a time

1 where collateral moved much more slowly than it does
2 today. Today collateral moves on a daily basis; and, in
3 fact, it can actually move intra-day if you feel like
4 you're exposed. And so a lot of the electronic sort of
5 transfer mechanisms around collateral are far more
6 sophisticated and worked very well during the financial
7 crisis to secure collateral. The problems in collateral
8 that you're referring to were not necessarily in this
9 area. They were actually in the area where collateral was
10 rehypothecated or reinvested into riskier elements. This
11 is not that activity. This is simply the types of
12 collateral we can take in.

13 So I hope that addresses some of your questions.
14 Although I'm of course happy to take others.

15 COMMITTEE MEMBER JELINCIC: It does. And I'm not
16 arguing against this change. But the argument that, well,
17 this is where the market is moving so we ought to move
18 with it is -- you know, we made the same argument when we
19 decided we were going to invest in mortgage-backed
20 securities that were backed by liar loans. Well, that's
21 where the market went, so we went with it.

22 I don't think that this is the same level of
23 incremental risk. But then at the time we didn't think,
24 you know, mortgage-backed securities even if backed by
25 liar loans were particularly risky.

1 So I just need to -- I want to emphasize we need
2 to really think these things through.

3 And you didn't comment on the risk element of the
4 write-up, but I didn't expect you to. But that will be an
5 ongoing issue. You know, if we're to balance benefits and
6 risks, we need to think more broadly about, well, what the
7 risks are. And they are clearly broader than just, well,
8 it's more complex or, well, we won't get the benefits.

9 Thank you.

10 CHAIRPERSON JONES: Mrs. Mathur.

11 COMMITTEE MEMBER MATHUR: Thank you. I think you
12 answered my question, but let me just -- I'll just ask it
13 anyway.

14 So this is a legislative fix; but then any change
15 in CalPERS' own approach would actually come back as part
16 of the policy, so there'd be --

17 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

18 That's correct.

19 COMMITTEE MEMBER MATHUR: So there'd be a chance
20 to more fully debate and discuss implications for our own
21 portfolio.

22 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

23 That's exactly right.

24 COMMITTEE MEMBER MATHUR: Okay.

25 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

1 And, Ms. Mathur, we felt it was not necessarily
2 appropriate to include all the detailed risk controls and
3 elements in the legislation. This legislative change
4 merely requests the freedom to include those things in our
5 own policy, which would come back to the Committee we
6 expect in February of next year.

7 COMMITTEE MEMBER MATHUR: Thank you.

8 So then I'll move staff's recommendation.

9 CHAIRPERSON JONES: Its been moved by
10 Mrs. Mathur.

11 COMMITTEE MEMBER HOLLINGER: Second.

12 CHAIRPERSON JONES: Seconded by Mrs. Hollinger.

13 We have a couple more questions.

14 Mr. Costigan.

15 COMMITTEE MEMBER COSTIGAN: Thank you, Mr. Jones.
16 So just a few.

17 So, first of all, are we repealing the 1975
18 statute or are we amending it? Because I don't see any
19 mock-up language. And I know that's probably more
20 technical than you want to get into, but I am curious
21 because you reference back. So are we repealing it? I
22 mean, what's the action going to be?

23 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: We
24 would be amending it, not repealing it.

25 COMMITTEE MEMBER COSTIGAN: Okay. So what's in

1 the rest of the statute? I mean, if the -- so if
2 you're -- and I know this is probably more of a
3 theoretical discussion, but we're looking at something
4 from 1975. What else is wrong with -- if you're going to
5 go try and fix it, okay, what else in the statute either
6 we'd like to change -- have you done that analysis so you
7 can live with everything else in the 1975 legislation?

8 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: I
9 think we would need to validate that we liked everything
10 else in that component of the legislation. We were
11 primarily focused on this section of it

12 COMMITTEE MEMBER COSTIGAN: So I would encourage
13 actually -- I mean, don't do -- I hate piecemeal. I hated
14 it when I was in the Governor's office. I hate it today.
15 So a comprehensive approach because -- sort of as
16 Mr. Jelincic alluded to, and Ms. Mathur, you'll bring
17 something back, but let's get it right.

18 Second is, who's going to oppose it? Because
19 I -- I mean, who supports it, who's opposed? Other than
20 CalPERS staff, who supports this change?

21 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: We
22 haven't had any opposition. We have run the idea through
23 some capital consultants and they understood, and they
24 didn't voice any opposition to it.

25 COMMITTEE MEMBER COSTIGAN: I'm sorry, what's a

1 capital consultant?

2 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: The
3 committee consultants.

4 COMMITTEE MEMBER COSTIGAN: Oh, the committee
5 consultants.

6 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: PERS
7 committee.

8 COMMITTEE MEMBER COSTIGAN: I'm sorry. I was
9 thinking little A as in money people.

10 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY:
11 Sorry.

12 COMMITTEE MEMBER COSTIGAN: Okay. So legislative
13 staff seems to be open to the idea.

14 So, again I would just encourage from the
15 standpoint of -- what I don't see, and maybe on a kind of
16 a going-forward basis is kind of a support opposition,
17 kind of anticipate. I mean, what are we walking into? It
18 seems innocuous. It doesn't seem that controversial until
19 you put the legislation across. And I'd like to see a
20 little more of a mock-up at some point of it. But, you
21 know -- and then I was looking at the cost of the system.

22 So right now what you're saying is failure to act
23 has cost the system at least \$15 million -- 15.5 million?

24 MANAGING INVESTMENT DIRECTOR BIENVENUE: Failure
25 to act has caused us to miss a \$15.5 million deal. We

1 still were able to do another deal, if I recall correctly,
2 so -- but I do think the costs are in the millions.

3 I think your point about looking holistically at
4 the language definitely makes sense to see what all we'd
5 like.

6 To Ms. Ashley's point, we don't believe there
7 will be opposition, at least, you know -- currently we are
8 the only ones supporting the legislation. And what we're
9 looking at is a very tactical change.

10 Really to me what it comes to is, you know -- and
11 as Wylie mentioned, number one, I think policy language is
12 probably the better place to govern this than in the PERL
13 just because of the dynamic nature of the market, first of
14 all.

15 And then, secondly, while counterintuitive to
16 Mr. Jelincic's point, it -- while counterintuitive,
17 actually using non-cash collateral, using equity for
18 equity in a lending-type collateral arrangement is
19 actually lower risk than it is higher risk just because of
20 the correlation characteristics.

21 COMMITTEE MEMBER COSTIGAN: Is CalSTRS -- will
22 this impact CalSTRS?

23 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: It
24 will not, because in 1985 CalSTRS sponsored legislation
25 which I believe CalSTRS believes removes that -- this

1 restriction from their Education Code.

2 COMMITTEE MEMBER COSTIGAN: Okay. That's why I
3 like holistic approaches. This piecemeal -- because then
4 the question is, why in 1985 -- and again, Mr. Jones, we
5 can have a longer discussion -- why in 1985 did our system
6 not support that type of change?

7 Anyway, I mean I know that's a little bit of
8 historical. But that's talking about issue making
9 substantial changes in investment strategy in the
10 legislature. Again, what are those unintended or intended
11 consequences?

12 So I would strongly encourage going forward
13 particularly with the Department of Finance. The 15.5
14 million, you should begin identifying, going back to 1975,
15 the potential cost. I think that's a great argument to
16 make of our lost opportunity or additional cost to the
17 system.

18 So thank you. Thank you, Mr. Jones.

19 CHAIRPERSON JONES: Thank you, Mr. Costigan.
20 And, yeah, as staff mentioned, the policy side will be
21 brought back to this committee for further discussion,
22 Mr. Costigan, so hopefully with the drilldown and those
23 kinds of questions as we go forward.

24 Mr. Slaton.

25 VICE CHAIRPERSON SLATON: Thank you, Mr. Chair.

1 Will this be part of another package of legislation or it
2 will be a stand-alone effort?

3 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: This
4 would be a stand-alone bill.

5 VICE CHAIRPERSON SLATON: Okay. And what do you
6 think the timing's going to be if everything goes -- the
7 stars are aligned right, when would this become law?

8 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: If
9 the committee approves moving forward sponsoring
10 legislation, we would begin to seek an author in December,
11 and submit language to ledge counsel by the due dates in
12 January, and hopefully meet the bill introduction date
13 which would be in February.

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

16 CHAIRPERSON JONES: Okay. Thank you.

17 Yeah, I have one question. On the international
18 government bonds, are -- would these investments be
19 subjected to similar restrictions like in China with
20 alternative investments where there was a big issue of
21 getting our returns money out of China?

22 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:
23 Capital -- yeah, you're talking about capital
24 controls where currency or bonds are restricted from
25 leaving the country, Mr. Jones?

1 CHAIRPERSON JONES: Yeah.

2 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

3 We would not allow that type of instrument as
4 collateral. It would not meet the requirements of being
5 liquid, transferable that we've outlined in the policy.

6 CHAIRPERSON JONES: Okay. Thank you.

7 Okay. So this item has been moved by
8 Mrs. Mathur, seconded by Ms. Hollinger.

9 So all those in favor say aye.

10 (Ayes.)

11 CHAIRPERSON JONES: Opposed?

12 Hearing none.

13 The item --

14 ACTING COMMITTEE MEMBER HAGEN: Abstain.

15 CHAIRPERSON JONES: Ms. Hagen is abstaining.

16 Okay. Thank you very much. The item passes.

17 Now we move to the next item --

18 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

19 Thank you.

20 CHAIRPERSON JONES: -- on the agenda, Item 7a,
21 Annual Review of Legislative Policy Engagement
22 Guidelines - First Reading.

23 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

24 Great. Thank you, Mr. Jones. Again, Wylie
25 Tollette. CalPERS staff.

1 This item is part of the annual review of the
2 legislative and policy engagement guidelines. This is a
3 first reading of staff's proposed updates. And we've
4 updated, as you might notice in the mock-up that's
5 included in your materials, the introduction, the general
6 guidelines in the Investment sections.

7 The purpose of the annual process -- update
8 process is to ensure that the guidelines represent at all
9 times a clear and up-to-date formulation of this
10 Committee's legislative and policy priorities. The
11 primary impetus for this year's updates is to ensure that
12 the recently approved global governance principles, which
13 your committee and Global Governance Subcommittee recently
14 reviewed and fully updated, and we wanted to incorporate
15 those into these guidelines. To that end, previous
16 language that attempted to paraphrase the global
17 governance principles has basically been eliminated, and
18 we've referenced the actual global governance principles
19 specifically within the guidelines.

20 It essentially requires both staff and your
21 federal representatives to refer back to the actual
22 principles documents. We felt that there was something
23 lost in translation when we put the old -- when we took a
24 look at the older guidelines, and so you'll see that
25 change in there.

1 As this committee is well aware, state and
2 federal legislative and regulatory activity doesn't always
3 conform to a time frame consistent with the Board's
4 meetings. It's important to equip staff and the Board's
5 federal policy representatives with both the level of
6 mandate and the clarity of direction required for a timely
7 legislative or regulatory response.

8 As the committee might remember, in September,
9 with regards to State legislation, staff has historically
10 and will continue to seek specific board approval for
11 taking an official "support" or "oppose" position with
12 State legislation.

13 However, where feasible, given the important
14 role -- stakeholder role played by our state legislature,
15 we feel that that board's direct impact and opinion on
16 state legislative proposals is important.

17 However, at the federal level, we do not
18 generally have a direct -- federal legislation does not
19 generally affect the system directly. It usually affects
20 the companies we invest in. And so that compliance burden
21 is generally placed on the companies that we invest in
22 rather than CalPERS itself.

23 In our view this distinction allows the use of
24 these guidelines to provide direction to your
25 representatives and to staff in how we address federal --

1 developing federal legislative items. Of course if there
2 was a federal item that came to the table that required
3 the Board's specific "oppose" or "support" position, we
4 would of course bring that here.

5 Last I'll just mention that this is a first
6 reading; and given the recent election and the many
7 changes that that election is likely to drive, what we're
8 planning to do is rather than bring this back for a second
9 reading in December, we would propose bringing it back in
10 February or early next year, following perhaps a
11 discussion at the January off-site regarding the impact of
12 the new Congress and the new administration on many of our
13 legislative and policy priorities.

14 So again, first reading. Second reading proposed
15 for next spring.

16 So with that, I'm all pause and I'll see if
17 there's any questions.

18 CHAIRPERSON JONES: Yes, we do.

19 Mr. Costigan.

20 COMMITTEE MEMBER COSTIGAN: Thank you, Mr. Jones.
21 And thank you for bringing this back.

22 So I -- I was the one that raised the original
23 concern because -- I'm still confused and this policy
24 still confuses me as to when positions are taken. Because
25 what happened was that the federal representatives took

1 support/oppose positions on legislation. And I understand
2 the argument you're making about the California
3 Legislature, more of a direct impact.

4 What I'm trying to figure out is how do we just
5 get it to you? At the end of the day, we've set a series
6 of policies. And whether you support or oppose a piece of
7 legislation should stay with you until the bill comes down
8 for a recommendation to the Governor. I mean, taking a
9 position -- or this Board taking a position early on, I
10 think -- you either have to be consistent, because there's
11 lots of bills out there, or set these policies out. I'm
12 not sure what "advocate" -- if I'm sitting in a
13 representative's office now, "Now, Wylie, I'm advocating
14 for House Resolution No. 1." "What, do you support the
15 Bill?" "No, I'm advocating for it."

16 I mean, I'm still not sure if the policy's
17 correct, because what does "advocate" mean? The original
18 intent when I raised this issue was the support and
19 opposition, so that someone could walk in and say I
20 support or oppose the bill. And the confusion I had is
21 that it seemed that the system had taken a position on
22 federal legislation - which I didn't recall voting on -
23 yet we take positions on state legislation.

24 I'd rather, the recommendation is, tell you what
25 the policies are and then go forth and advocate support

1 and oppose.

2 I think this language actually creates confusion
3 because I -- having been on the receiving end, "Wylie,
4 you're advocating. Do you support or oppose" -- "does
5 your board support or oppose?" "They told me I could come
6 advocate for the bill" or "I could advocate against the
7 bill."

8 What does that -- so can I -- what does that
9 actually mean? So if I'm sitting in a member's office and
10 the question is do you support the legislation, what's the
11 answer?

12 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: You
13 want to try to take that one?

14 (Laughter.)

15 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: So
16 the federal representatives would not be able to state
17 that the Board officially took a support or an oppose
18 position. Advocating would mean that the CalPERS
19 generally is in support or opposition of the policy that's
20 in the bill. So -- but they would not be able to speak on
21 behalf --

22 COMMITTEE MEMBER COSTIGAN: What's the
23 distinction then with state and federal legislation?
24 Because you have that same missive to go to the state
25 capitol and -- so that's all I'm trying to get at is again

1 I think I've advocated. I want you guys once the policies
2 are adopted to take positions on bills, and not bring them
3 back, I mean, because you have the policies.

4 Now what we're still doing is creating two
5 distinctions, is that we're going to have the federal
6 representatives going out and say they can't a position on
7 the bill till it comes in front of the Board. And over
8 here you can't take a position for state legislation until
9 the Board's voted on it. So we're kind of inconsistent.

10 CHIEF INVESTMENT OFFICER ELIOPOULOS: That's a
11 great framing of the question. That's really feedback
12 we'd like to get from the committee. We're trying to do
13 the committee's bidding. You know, we really want to make
14 sure we're on the same page.

15 So the "advocate" language with respect to
16 federal policy was softened, as you really articulated
17 well.

18 If the committee's comfortable having "support"
19 and "oppose" legislation -- or "support" and "oppose"
20 language essentially delegated to staff, you know, that's
21 a consequential policy decision for the committee. We're
22 just trying to put ourselves collectively, I think, the
23 Board and the staff, in the position best able to serve
24 our interests. At the state level it seems to be working
25 quite well. I think we're -- we've been able to identify

1 which, you know, pieces of legislation a formal oppose or
2 support or neutral position is. I don't remember many
3 occasions where we've -- you know, where we've missed a
4 bill or we haven't been in a position to support or oppose
5 a bill of importance.

6 At the federal level, there's lots of bills that
7 we've sent representatives to, whether your staff or
8 lobbyists, to advocate on our behalf. I just don't --
9 this is really an -- and you know this area so well, as
10 does many members of this committee and our legislative
11 staff -- it's really outside the purview of the Investment
12 Office. We just want to make sure we have clear
13 direction.

14 COMMITTEE MEMBER COSTIGAN: Well, and I
15 understand it. And, Mr. Jones, at some point -- maybe
16 this is a longer discussion. Similar to the way we do
17 investments is we don't tell you direct investments. We
18 give you guidelines. We can set public policy and the
19 policies of the Board and say then go forth. But I'm
20 still struggling, we have two -- two standards, and I
21 think that creates confusion. I think it's confusion for
22 the federal representatives. I think it creates confusion
23 for congressional members, because I know you-all hear
24 from them, I hear from them. And sometimes we're not
25 articulating very well when we take positions here.

1 But I think it's a great -- again, I appreciate
2 you guys trying to clarify this and move forward. Because
3 it -- really is at the end of the day I would be as a
4 board member comfortable with saying, "Here's the
5 policies," and then you guys going forth and doing what
6 you do.

7 CHAIRPERSON JONES: And, Mr. Costigan, since this
8 will be an item for the off-site in January, maybe that
9 would -- we can include that discussion at that time to
10 hopefully clarify this item going forward.

11 COMMITTEE MEMBER COSTIGAN: Thank you, Mr. Jones.

12 CHAIRPERSON JONES: Okay. Mrs. Mathur.

13 COMMITTEE MEMBER MATHUR: Thank you.

14 I don't -- I guess I don't have a strong feeling
15 one way or the other. I feel very comfortable that the
16 staff has been representing the Board's intentions,
17 desires, guidance all along at the federal level, so I'm
18 not uncomfortable with either if it says "support"
19 language or the "advocate" language.

20 My question is really about, in a number of
21 places there are "advocate for" certain types of proposals
22 but no "advocate against, sort of the contrary type of
23 proposals. And I'll give you an example. It happens many
24 places, but I'll give you an example.

25 On page 3 of 4 of Attachment 1 under D,

1 Sustainability, number 1, "advocate for proposals that
2 foster a strong and durable global economy," et cetera, et
3 cetera, but nothing -- "and against proposals that would
4 undermine such a thing," for example.

5 And I think it would be helpful to have sort of
6 both sides embedded in this -- in the guidelines. So I
7 guess I would just ask between this reading and the next
8 reading just sort of re-review and, where appropriate, add
9 that kind of language, because -- so we can advocate on
10 both sides of an issue.

11 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: I
12 think it's a fair comment. I think we had sort of perhaps
13 made the unspoken assumption that "advocate for" was sort
14 of the -- that the converse was also true if something
15 came up that was moving us in the other direction. But
16 perhaps what -- I think what you're saying is that maybe
17 that should be explicitly stated rather than implicit.

18 COMMITTEE MEMBER MATHUR: And it is -- it's sort
19 of explicitly stated for some things and not for others,
20 so it -- so I think it would be clearer if it was
21 explicitly stated for everything.

22 Thank you.

23 CHAIRPERSON JONES: Okay. Mr. Jelincic.

24 COMMITTEE MEMBER JELINCIC: Well, the
25 introduction, there's a lot of wordsmithing there. I'm

1 not sure it necessarily makes it any better. But on the
2 other hand, I'm not sure that it makes it any worse.

3 We had the discussion about the support/advocate
4 on the briefing, and I'm not sure that I really understand
5 what the real difference between the two is. You know,
6 you can't advocate for something you don't support and you
7 can't support something -- well, I guess you could support
8 something but not advocate for it. But that'd be kind of
9 silly.

10 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: I
11 think, just if I might, the attempt - I'm not sure we were
12 entirely successful - but the attempt was that the word
13 "support" would be reserved for those situations where the
14 Board actually took a formal support, oppose, or neutral
15 position.

16 Advocate would be in situations where we were
17 merely reflecting our existing policy priorities or
18 guidelines.

19 COMMITTEE MEMBER JELINCIC: Okay. And then
20 throughout we talk about "the Board's representative
21 shall..." And we have traditionally used the Board's
22 representative to reflect our federal lobbyists. And yet
23 the policy by its terms in fact affects both the federal
24 lobbyists and our staff. And I'm just thinking that given
25 how we have used that term, maybe we ought to incorporate

1 both.

2 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

3 Yeah, I think that's a good change, a good
4 comment. We should do that.

5 COMMITTEE MEMBER JELINCIC: And then on the
6 sustainability, D, you know, "promote the alignment of
7 interests in transportation policies to stimulate new
8 technologies that will enhance competitiveness," you know
9 not all new technologies are necessarily positive.
10 Frequently there's unintended consequences, and sometimes
11 even predictable unintended consequences. So it
12 just -- yeah, we do want to encourage new technologies,
13 but there's got to be some give and take on that.

14 CHAIRPERSON JONES: Okay.

15 COMMITTEE MEMBER JELINCIC: Thank you.

16 CHAIRPERSON JONES: Mr. Slaton.

17 VICE CHAIRPERSON SLATON: Thank you.

18 I want to focus just a moment on the federal
19 side. I've spent the last 14 years on behalf of SMUD, our
20 public utility, as well as American Public Power
21 Association lobbying in Washington on The Hill.

22 And, you know, unlike the state, which where we
23 also lobby a lot, where we tend to take very crisp
24 positions on bills as they move through the process, at
25 the federal level it's so much give and take and so much

1 time goes by when legislation is being considered, and
2 many times they're so complex and there's so much wording
3 moving around, in sometimes a quick fashion, sometimes a
4 very slow fashion, that the word "advocate" really says
5 taking CalPERS' views on these subjects and expressing how
6 that relates to the particular item in the bill or in the
7 legislation. And it's an iterative process.

8 So my concern would be, I'm not sure that we need
9 to be so prescriptive on -- you know, you shall do this,
10 you shall do that, you should do this; and that, you know,
11 we have set of principles of how we conduct this
12 organization, both on the investment side, on the health,
13 side, all the ways we do it, and we have a very crisp
14 understanding between management and the Board about the
15 directions we want this organization to take and how we
16 want legislation to affect it or not affect it.

17 So to me, it's such an iterative process that I
18 would be an advocate for being a little less prescriptive
19 in us having to define every possible thing we want our
20 lobbyist to do or not do, and rely on staff to take our
21 values that we've expressed in a lot of policies and
22 represent those on The Hill as we go through this very
23 iterative process of federal legislation.

24 So that's my opinion.

25 CHAIRPERSON JONES: Okay. Thank you, Mr. Slaton.

1 Mr. Jelincic.

2 COMMITTEE MEMBER JELINCIC: Bill, I want to react
3 to that. It seems to me what we have described here
4 really are general principles and practices and concepts,
5 and say, you know, go implement, you know, and pursue
6 these goals. You're obviously reading something different
7 into it, and I'm confused.

8 CHAIRPERSON JONES: Yes. Mr. Slaton.

9 VICE CHAIRPERSON SLATON: So I guess where I am
10 is I see the changes that are being made are going that
11 direction of being more general in nature.

12 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

13 They were an attempt in fact to do that and to
14 point both staff and the federal representatives back to
15 the source documents --

16 VICE CHAIRPERSON SLATON: Right.

17 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

18 -- the source policies, the Governor's principles
19 originally, rather than some other sort of translated
20 interpretation of those documents.

21 VICE CHAIRPERSON SLATON: Yeah. And I guess what
22 I'm also reacting to -- and I understand Ms. Mathur's
23 concern about, and I do want to have a policy that's
24 consistent through it. But I don't think that we need to
25 go to: "We want you to advocate for this and against

1 that." I'm not sure we need to go to that level. It's
2 pretty -- to me it's self-evident. If you're advocating
3 for something, if it doesn't deliver that, then in fact we
4 should be expressing a concern.

5 So that's where I was going with -- trying to
6 keep it as simple as we possibly can, and leave -- give as
7 much flexibility to staff.

8 CHAIRPERSON JONES: Okay. Mr. Jelincic, this
9 is -- I'm not going -- I'm going to allow this -- if --
10 this is to Bill?

11 COMMITTEE MEMBER JELINCIC: Yeah, this is --

12 CHAIRPERSON JONES: Okay. This will be the last
13 time.

14 COMMITTEE MEMBER JELINCIC: Well, sometimes
15 conversations get a little awkward.

16 CHAIRPERSON JONES: Yeah, I understand.

17 COMMITTEE MEMBER JELINCIC: Bill, if we put a --
18 just sort of a global statement in at the beginning that
19 says -- and, you know -- you know, rather than say lobby
20 against things in contradiction to this, if we just made a
21 global statement that these are the things we support and
22 we oppose things that move in the opposite direction,
23 would that --

24 CHAIRPERSON JONES: As I said, I think this is
25 coming to the off-site, so I think that's where we have

1 this further discussion on this. J.J., you have an
2 opportunity. And we have a dialogue at the off-site
3 before this comes back for a vote. Okay?

4 COMMITTEE MEMBER JELINCIC: Well, okay. But I'm
5 trying to understand Bill's position.

6 CHAIRPERSON JONES: Okay. And also, I see where
7 a similar policy is going to the Pension and Health
8 Benefits Committee on Tuesday. So when they have this
9 similar discussion, then that piece would also come back
10 to the off-site so that we have a coherent, cohesive
11 policy.

12 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: I
13 think that's the expectation, that's right, Mr. Jones.

14 CHAIRPERSON JONES: Okay. Thank you.

15 CHIEF INVESTMENT OFFICER ELIOPOULOS: I would
16 just add to that, Mr. Jones, that at the off-site you'll
17 have your federal lobbyists there to give you a briefing
18 on what the changes are, what they expect, new committee
19 members, all the change that is going with the new
20 administration and Congress. But that will give the
21 Committee that opportunity to actually talk to the -- at
22 least the federal representatives and ask them about --
23 this is a good preparation for the committee and its
24 members to talk to your representatives who are really
25 skilled at this with respect to the federal apparatus; and

1 ask them, "Does it make a difference if it says advocate
2 versus oppose? How important is that?" "How do you know
3 whether to support something or oppose it based on these
4 policies documents?" "Is it helpful to you to have
5 something more specific in this policy, the legislative
6 guidelines, or is it more helpful to have it more general
7 and give you discretion?" I think that's -- that's what
8 we're hoping for, give you time at the off-site in
9 addition to learning about the substantive policy pieces
10 and priorities to see if there's any adjustments that need
11 to be made.

12 CHAIRPERSON JONES: Good.

13 Okay. Mr. Jelincic.

14 COMMITTEE MEMBER JELINCIC: Ted, you may not be
15 the one to answer the question. Maybe it's Marcie.

16 But do you know if we're going to have all three
17 of our lobby -- federal lobbyist groups there?

18 CHIEF INVESTMENT OFFICER ELIOPOULOS: Yeah, I
19 don't -- I don't know.

20 LEGISLATIVE AFFAIRS DIVISION CHIEF ASHLEY: I
21 believe they -- that the -- excuse me -- the three of them
22 will be there.

23 COMMITTEE MEMBER JELINCIC: Yeah, Marcie's
24 nodding her head yes.

25 Okay. Thank you.

1 CHAIRPERSON JONES: Okay. Very good.

2 Okay. Thank you for the report.

3 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

4 Thank you.

5 CHAIRPERSON JONES: Now we'll move on to the
6 program reviews. Private Equity Annual Program Review.

7 (Thereupon an overhead presentation was
8 Presented as follows.)

9 CHAIRPERSON JONES: And before we introduce this
10 item, this is the program status for the period ending
11 June 30th, 2016. And as mentioned in the agenda item, the
12 private equity team will present an overview of the
13 program and details on investment performance, overall
14 program expenses, accomplishments, and objectives.

15 For the second year in a row, they will also
16 present data from the Private Equity Analytical and
17 Reporting System, also known as PEARS. Staff will also
18 give an update on their work with the Institutional
19 Limited Partners Association, also known as ILPA, and
20 progress regarding the adoption of ILPA template.

21 I know staff has worked with ILPA over the past
22 year to encourage general partners to adopt the template
23 and increase transparency in the private equity asset
24 class.

25 I'll go ahead and turn it over now to Ted to talk

1 about the process on this item.

2 CHIEF INVESTMENT OFFICER ELIOPOULOS: Great.
3 Thank you, Mr. Chair, members of the Committee. I'm
4 thrilled and ready to turn this over to Réal and his team
5 to talk, but I thought I'd just emphasize a couple points
6 up front. Once just process procedural.

7 If you remember, coming out of the Board's last
8 off-site it really encouraged staff to use no more than 5
9 or 6 PowerPoints. So we are conforming to that as well.

10 So we have -- I think staff will be looking to
11 present the first 5 or 6 slides. Obviously, this format
12 of the -- you know, all 30 pages are so -- is very
13 familiar to the committee by now. And if you have any
14 questions on any of the detailed information, please feel
15 free to do so.

16 That's the same for the Real Assets presentation
17 that will come after this.

18 And, lastly, before I turn it over to Réal, we've
19 had quite a bit of discussion on private equity over the
20 course of the last year and a half. I think that has
21 given us a really robust and fairly detailed collective
22 understanding of the dynamics in that marketplace and some
23 of the challenges with that marketplace as well. I think
24 all that work has served us well in approaching and
25 looking at how last year went for private equity.

1 And with that, Réal, I'll turn it over to you and
2 the senior team from Private Equity.

3 MANAGING INVESTMENT DIRECTOR DESROCHERS: Thank
4 you very much, Ted. Good morning Investment Committee
5 members. My name is Réal Desrochers. I'm the Managing
6 Investment Director of Private Equity. And I will be the
7 one presenting the 5 slides. But I want to introduce like
8 the Investment Director of the Private Equity team.

9 On my left-hand side is Sarah Corr. She is
10 the -- her role is to, what we call, risk return
11 performance analytics. She's been a very key member with
12 Matt in -- that is sitting in here with Wylie Tollette's
13 team to work on the PEARS program over the last four
14 years.

15 Then there is Christine Gogan, Investment
16 Director responsible for what we call IMG, Investment
17 Management Group, which is really all of the monitoring of
18 the portfolio.

19 And at the far left is Mahboob Hossain. He's
20 responsible for the underwriting. Mahboob was
21 co-investment and is now assuming the role of the
22 underwriting team.

23 So what we're going to tell you today I think is
24 the portfolio has met the ALM objective. The market is
25 very pricey. We're really taking a deliberate approach

1 into the market right now, and we have been for year and a
2 half.

3 --o0o--

4 MANAGING INVESTMENT DIRECTOR DESROCHERS: And the
5 program has provided a record number of distribution over
6 the last 2-and-a-half years, \$14.5 billion.

7 The program is invested in funds for the most
8 part, approximately 90 percent. So they are 10-year life.
9 So we look at the performance from a 10-year window. So
10 the program over the last 10 years has had strong absolute
11 performance of 10.2 percent. The program has
12 underperformed its benchmark by 260 basis points. And
13 relative to global equity over the same period it has
14 provided 520 basis points.

15 So the program has met -- this how we see the
16 program has met the objective of the ALM, which is to
17 exceed the public market by 300 basis points.

18 I want to have a comment on the one-year return,
19 which was 170 basis points, which is low for private
20 equity. And we attribute this to the energy exposure in
21 the portfolio. And also the portfolio is made up of 13
22 percent of public market stock, so that had a headwind as
23 well.

24 So if we move to slide number 3.

25 --o0o--

1 MANAGING INVESTMENT DIRECTOR DESROCHERS: I
2 wanted to -- we wanted to give you a characteristic of the
3 portfolio. What is the portfolio made of? So if we --
4 and we wanted to see -- also to show the evolution of the
5 portfolio since 2012 to 2016.

6 So the portfolio, like I said, is invested
7 approximately 90 percent in funds. So you see, if you
8 look on the left-hand side there, we see that in 2012 the
9 portfolio was 92 percent invested in fund and fund of
10 fund, and in 2016 it's about 82 percent.

11 The 10 percent Delta when, if you look to the
12 separate account, which is the bottom line of the
13 left-hand side -- left there, so separate account where
14 have been moved from 3 percent to 11 percent of portfolio.
15 Separate account typically we negotiate privately for
16 CalPERS to be the sole investors in a bucket. And fee are
17 paid on invested capital. And the carry is reduced. And
18 we have better control on the asset we think because there
19 are commitment typically for three years.

20 The interesting factor here also, if you look at
21 the fund of funds, which we stopped doing for 4 or 5 years
22 ago, has increased from 12 percent to 15 percent. And
23 this is due to the large distribution hasn't changed.
24 It's \$3.8 billion dollars, while it was 4 billion. But we
25 got so much distribution that this has stayed about the

1 same, so increased the number, the percentage to the total
2 portfolio.

3 And you see later in the presentation that we say
4 fund of funds are slow to distribute cash, did not perform
5 very well for this portfolio.

6 Now, if we look at the geographic distribution of
7 the portfolio, it's 83 percent invested in the developed
8 market. This is with a U.S.-centric portfolio at 61
9 percent.

10 The 13 percent that you have up there is an
11 emerging market, and that would be mostly China, and this
12 is gone through fund of funds

13 Now, if we look at the other metric that we have
14 is the exposure by industry. So you see that the
15 portfolio is relatively well diversified. The largest
16 component is consumer related at 23 percent. The other
17 sector, information technology, financial industry, oil,
18 is -- it is about -- well diversified.

19 Now, if we go to the next slide.

20 --o0o--

21 MANAGING INVESTMENT DIRECTOR DESROCHERS: If we
22 look at the 2015 and '16 accomplishments, PEARS, which has
23 been a major endeavor, this is why we have much better
24 data that we can -- for the first time we can have really
25 data on the portfolio and the metrics like Mr. Jones was

1 explaining, and Ted. PEARS went parallel in April 2015,
2 so we wanted -- we wanted to have with the other system a
3 parallel period to really control and test the system.

4 It went live in September 2015.

5 PEARS, like I said, Sarah Corr was really spend a
6 lot of time in there. We owe her to have brought that
7 program to I think success. We developed that program
8 over a 3-phase period. Phase 1, phase 2, and we're done
9 with phase 2. We planned to be done by the end of the
10 year 2017. And so we start -- we have the results. It's
11 working. There is some more to complete. And the program
12 has been done under budget. So we think it's good.

13 And the other thing that we've done a secondary
14 transaction. We've done a secondary sale. We have 32
15 funds and 20 GP that were reduced in the portfolio. That
16 will make a disclosure. Plus at the end of year, the
17 fiscal year, we did a further secondary. So there is 53
18 less funds in this portfolio in 28 less GP as we speak
19 right now.

20 We -- the ILPA template you have on transparency,
21 we have ILPA template in here. The ILPA template we
22 worked really continuously with the ILPA on -- without our
23 large pension funds to develop what we call the new
24 template. Because we adopted in 2011 a template that they
25 were there but with more transparency. And it was adopted

1 in January 16.

2 And we really are working with other GP, other LP
3 to get -- you see the adoption. I think it's -- I can
4 say, to me I'm not surprised but I think the effort are
5 bearing fruit. It will take probably couple years before
6 we get where we want to be, because many of the GPs that
7 they have they need time to recaliber their system.

8 And the -- we committed to separate account.
9 This is what I talk about that. The separate account is
10 what we call the customize investment account where
11 CalPERS is the sole LP. And we have reduced economics in
12 there.

13 The objective for the next year is to allocate up
14 to \$4 billion into private equity. The benchmark will be
15 reviewed with Eric Baggesen's group, the ALM group of
16 people. We continue to work on reducing complexity. And
17 there's a group working to examine a business model, is
18 there a better way of doing private equity than what we're
19 doing right now.

20 And we will further PEARS integration.

21 So now if we go to the next page.

22 --o0o--

23 MANAGING INVESTMENT DIRECTOR DESROCHERS: Page 5,
24 which is the program expense.

25 CalPERS private equity has paid \$206.5 million in

1 fees -- in management fees over the last year. The gross
2 management fees that we're paid by CalPERS were \$258
3 million. We also paid -- you also paid \$75 million in
4 terms of partnership expense. The gain resulting for this
5 portfolio was \$3.2 billion and the GP received a profit
6 sharing of \$539 million.

7 So I would like to summarize what we covered
8 here.

9 So we see the private equity has met the
10 expectation of the as -- the asset class as an asset
11 class. We continue to progress with significant
12 restructuring and portfolio rebalancing. I don't know --
13 if you look further down in the presentation, we see the
14 portfolio has been broken down in two groups - strategy
15 portfolio and what we call legacy portfolio.

16 PEARS has been operational for a year and
17 functional they continue to be build out. And the plan is
18 to be done by the end of the year 2017.

19 We also have integrated the ASG principle into
20 our investment process. And my feeling is that we're
21 progressing well, reducing costs and complexity.

22 So with that, we are available to answer
23 questions you may have with the senior team around the
24 table here.

25 CHAIRPERSON JONES: Okay. Thank you. Yeah, we

1 have several questions.

2 Just thank you for the report and thank you for
3 the accomplishments that you've identified here.

4 On the PEARS, I just want to put in perspective,
5 when you first conceived this idea of this new template,
6 how long ago -- what was your goal in terms of number of
7 years when you said that we're going to go down this path,
8 and we will accomplish this by 2016?

9 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

10 Good question, Mr. Jones. Wylie Tollette,
11 CalPERS staff.

12 And I was not part of CalPERS at the time. But
13 the project was originally conceived in fiscal year 2011,
14 2012. And at that time, the -- there was one type of ILPA
15 template that was available. It was actually released in
16 the fall of 2012. It's called the capital call-in
17 distribution template. And it's -- you can think of it
18 sort of as a transaction-based template. Every time cash
19 moved, either came to CalPERS or left, CalPERS to the GP,
20 it was accompany -- the attempt was to accompany it with
21 one of these templates that would provide details on the
22 underlying nature of that cash transfer.

23 At that time, the uptake by the general partner
24 community was quite low.

25 Also at that time, CalPERS staff began

1 implementing the PEARS technology solution; and in
2 conjunction with that, undertook an effort to work with
3 our general partners to really over time build their
4 capabilities at completing that template fully.

5 And for many years - and I would encourage Sarah
6 and Christine and Mahboob to comment on this as well - but
7 for many years, CalPERS was receiving a low percentage of
8 those templates or the templates that were received were
9 not completely filled out.

10 However, starting in 20 -- late 2014, 2015, a
11 much more -- the technology was coming on line and the
12 staff put in place basically a much harder line with the
13 receipt of those templates and their completion by the
14 general partners That culminated in the ability to go live
15 with the PEARS system last October.

16 Earlier this year, as Réal mentioned, ILPA
17 released a new template that provides a much more
18 comprehensive detail on the types of fees that are both
19 charged by the GPs, that are paid by the portfolio
20 companies, that are paid by the LPs, other types of
21 expenses. It's not a transaction-based template. It's
22 actually a quarterly snapshot in time template that mimics
23 the financial statements that the GPs provide.

24 The staff and the GPs are now in the process of
25 implementing that new template, which provides much more

1 information around fees and expenses within the private
2 equity investments of CalPERS as well as other LPs. An in
3 fact your staff has been involved in the last year or so
4 really promoting the use of this new template both among
5 the GP community as well as amongst our fellow LPs.

6 So that's sort of the -- the last, you know, 4 or
7 5 years have really been undertaken to implement this
8 system, which is both a technology solution, as well as
9 supporting efforts with the ILPA -- use of the ILPA
10 templates to gather all the data.

11 CHAIRPERSON JONES: Yeah. And the purpose for
12 asking the question is that to remind us sometimes we need
13 to be patient, because you set these goals, that they're
14 very complex, and it requires interaction, dialogue with
15 industry people that we have no control over sometimes.

16 So I just wanted to make sure that we were reminded
17 that it takes time to implement some of these very complex
18 tools that we're -- where we are today.

19 So I just want to congratulate you on that.

20 CHIEF INVESTMENT OFFICER ELIOPOULOS: Yeah. In
21 that regard, Mr. Jones, at our -- with our corporate
22 Global Governance Strategic Plan that this committee
23 adopted last year, one of the goals is increased
24 transparency. And with respect to the ILPA template - and
25 this is included in some of your materials, I think it's

1 on page 27 of your materials - the goal that the strategic
2 key performance indicator that the Investment Committee
3 adopted for a hundred percent completion of the ILPA
4 templates that Wylie described, by our strategic portfolio
5 we set a goal within five years, and that gets us some of
6 your -- you know, the complexity of this. But we're
7 progressing very well. As those numbers show, we're
8 getting close to three-quarters of our strategic partners
9 now completing that template.

10 And our staff -- let me just put a commercial,
11 you know, announcement for our private equity staff, and
12 Wylie - have really crisscrossed the country and into
13 Canada really advocating amongst general partners and our
14 fellow LPs for a widespread industry adoption of this
15 template, and that's bearing fruit. It's really
16 happening.

17 CHAIRPERSON JONES: Okay. Thank you very much.
18 Mrs. Mathur.

19 COMMITTEE MEMBER MATHUR: Thank you.

20 My question is really around sort of corporate
21 governance and environmental and social issues and
22 whether -- you know, we've been moving towards integration
23 as part of our strategic plan, is sort of integrating more
24 of the meat of the work into the public equity asset class
25 specifically. But I've been hearing about an approach in

1 the private equity space called the Maple approach I guess
2 in Canada - I don't know if you've heard about this,
3 Réal - where a pension fund identifies companies that are
4 sort of failing on certain corporate governance metrics
5 and environmental social governance -- social metrics, and
6 then take them private in order to rectify some of those
7 problems.

8 So they address board diversity, for example, or
9 the quality of the board, or various other issues that
10 they've identified as driving underperformance of those
11 companies. And I'm wondering if we've ever considered
12 that kind of an approach in the public -- in our private
13 equity portfolio?

14 MANAGING INVESTMENT DIRECTOR DESROCHERS: I would
15 like Christine Gogan to explain what we do and to the ESG
16 because she -- if I may.

17 COMMITTEE MEMBER MATHUR: Yeah.

18 MANAGING INVESTMENT DIRECTOR DESROCHERS: I
19 haven't heard of the Maple approach, by the way. So --

20 (Laughter.)

21 COMMITTEE MEMBER MATHUR: Well, we'll just put
22 you in touch with the VC plan.

23 MANAGING INVESTMENT DIRECTOR DESROCHERS: Okay.
24 Thank you.

25 INVESTMENT DIRECTOR GOGAN: Christine Gogan,

1 Investment Director, Private Equity. Thank you for the
2 question.

3 To be perfectly candid, I'm not familiar with the
4 Maple approach. I'm happy to tell you kind of where we
5 are and give you a snapshot of what we hope to present in
6 December in partnership with Anne Simpson.

7 So one of the things that we've been doing in our
8 pilot phase is we have modified our due-diligence
9 questionnaire. And Mahboob and his team have been asking
10 the UNPRI questions to our partners, and they're
11 concentrating around how do ESG-related policies influence
12 investment beliefs. How do managers identify and manage
13 material ESG-related risks? And what factors are creating
14 and driving value, which may or may not be related to the
15 Maple approach?

16 And then, finally, another area that staff has
17 really been focused on with respect to the due-diligence
18 questionnaire is how are general partners communicating
19 ESG issues back to the limited partners and then how are
20 the limited partners engaging the GPs at the limited
21 partner advisory committee meetings.

22 One of the things that the monitoring team does
23 is we've committed to documenting all ESG issues that are
24 raised at the meeting. And the team proactively engages,
25 if the partner isn't already bringing up ESG issues at the

1 meeting, with respect to how are the partners thinking
2 about ESG. It's early days, but I can assure that our
3 staff has a robust dialogue.

4 COMMITTEE MEMBER MATHUR: Great. Okay. Well,
5 that's good.

6 I think it might be -- it's an -- I think it's an
7 interesting approach that -- you know, sort of as an
8 ancillary to our public equity approach where we obviously
9 engage certain companies. But there might be value that's
10 being left on the table of certain companies that we might
11 want to consider.

12 So, anyway, I will just -- maybe I'll just put
13 you in touch with some of the folks I talk to at PCIMC,
14 and maybe there's some there that we might want to think
15 about.

16 INVESTMENT DIRECTOR GOGAN: We'd very much
17 appreciate that.

18 COMMITTEE MEMBER MATHUR: Thank you.

19 CHAIRPERSON JONES: Okay. Mr. Lind.

20 COMMITTEE MEMBER LIND: Thank you.

21 Réal just a -- I think just a basic question. At
22 the previous pension fund where I served, which, you know,
23 was 1/100th the size of this one, you know, we had a lot
24 of discussion with our consultants around fund of funds
25 versus funds. And I was just wondering what the

1 decision-making process is around that. Because obviously
2 in a fund of funds you've got this other level of fees
3 there. So how do we make those determinations? Is it
4 just availability at the time or sector based, or what is
5 sort of the process there?

6 MANAGING INVESTMENT DIRECTOR DESROCHERS: There
7 are quite a few considerations. CalPERS is one of the
8 world largest fund of funds if you take a step back and
9 you look at it. Because that's what we do, is we invest
10 90 percent in funds. So we're one of the world large -- I
11 would say we are one of world's largest funds of funds.

12 There is -- and we look at the performance.
13 There's a double layer of fees. And so the fund of
14 funds -- and I would like Mahboob if he has any comment to
15 add to that. He's in the writing. But the fund of funds
16 that we -- where we want to have very specialized
17 expertise like we have fund of funds with emerging
18 manager, that's to get that specialized expertise, which
19 is where we're going to have, I would say, probably a
20 bigger exposure, with very specialized manager. That's
21 really what we -- we've been doing. So that was the
22 decision.

23 Looking at the performance, looking at why do we
24 want to be in fund of funds, looking also in 2011 we look
25 at who were the fund of funds manager? And you -- we

1 have -- you have exposure to fund of funds managers that
2 are in emerging markets.

3 If you travel and you see these people were
4 competing to get to the same highly sought fund managers.
5 So there's a logic. There's a business logic that I think
6 if you have the staff, if you have the knowledge, you want
7 to be -- you want to manage your process.

8 And fund of funds would be exclusively for
9 extremely specialized niche in the market in our case.
10 And we -- this is the -- the emerging manager.

11 I don't know if Mahboob Hossain wants to add
12 something to that.

13 INVESTMENT DIRECTOR HOSSAIN: Thank you, Réal.

14 As Réal mentioned, we have --

15 CHAIRPERSON JONES: Mention your name.

16 INVESTMENT DIRECTOR HOSSAIN: Oh, sorry. Mahboob
17 Hossain, Investment Director.

18 As Réal mentioned, we have discontinued selecting
19 fund of funds except this one manager who specialized in
20 selecting emerging managers. We are concerned about extra
21 layer of fees. And we do think that we have the in-house
22 expertise in selecting the appropriate funds for our
23 portfolio.

24 COMMITTEE MEMBER LIND: Thank you.

25 CHAIRPERSON JONES: Ms. Paquin.

1 ACTING COMMITTEE MEMBER PAQUIN: Thank you.
2 Thank you for the report. And I understand it's a slow
3 process to work with all the GPs on the reporting
4 requirements, and I appreciate the efforts and dedication
5 on that.

6 I was wondering if you've experienced any general
7 partners who are balking at the new fee disclosure
8 requirements from the PEARS system or the requirements
9 under AB 1833.

10 MANAGING INVESTMENT DIRECTOR DESROCHERS: Again,
11 I would ask Mahboob to explain the underwriting process.
12 To my knowledge we have not. But there's -- I don't know
13 if there are people that would want to come here and they
14 do not. I don't know. Maybe Mahboob wants to explain the
15 gating process, what we do before we underwrite any new
16 fund.

17 INVESTMENT DIRECTOR HOSSAIN: Sure. Thank, you,
18 Réal. Again, Mahboob Hossain, Investment Director.

19 We have -- one of our basic requirements for
20 selecting any managers before we formally engage, as Réal
21 mentioned, there would be gating requirements. Every
22 manager that we select has to agree to fulfill our
23 disclose requirements, and that includes AB 2833. So the
24 new managers that we are now going into, we are
25 exclusively asking them to incorporate that as part of our

1 side letter requirement. So they will have to agree to
2 disclose all those under AB 2833.

3 ACTING COMMITTEE MEMBER PAQUIN: And for the
4 existing managers, have you had much feedback with them or
5 anybody who has said that they don't want to comply?

6 INVESTMENT DIRECTOR HOSSAIN: You want to
7 comment, Christine.

8 INVESTMENT DIRECTOR GOGAN: Christine Gogan.
9 Yes, happy to answer that question.

10 With respect to the bifurcation of the portfolio,
11 with those strategic managers, as Ted, Réal and Wylie have
12 pointed out, we're enjoying a higher rate of compliance
13 overall. What we have been told with respect to our
14 strategic partners and in -- by the way, staff is engaging
15 on a weekly basis with all of our managers to try to
16 obtain this template as well as engaging with other
17 limited partners to try to help garner support in the
18 broader market to get these templates. With respect to
19 the strategic partners - we have a couple that are working
20 on their systems similar to what Réal and Wylie had
21 described about the PEARS system - we're expecting
22 compliance on the strategic portfolio within the five
23 years.

24 With respect to some of those legacy
25 partnerships, we have a mixed response. We have some

1 partners that are working on their system. Some, as Réal
2 pointed out, we had sold in a secondary sale, so they were
3 not motivated to fill out the template. And then we have
4 some partners that are small and they're struggling with
5 the system's cost to implement it because other limited
6 partners are not requesting it. So it would certainly
7 help if others in the marketplace would join us in asking
8 for those templates.

9 ACTING COMMITTEE MEMBER PAQUIN: Okay. Thank
10 you.

11 CHAIRPERSON JONES: Mr. Costigan.

12 COMMITTEE MEMBER COSTIGAN: Thank you, Mr. Jones.
13 First of all, great report overall. I mean, you
14 just -- again, the amount of transparency and discuss --
15 disclosure, I really do appreciate.

16 So some technical questions and some questions on
17 the report.

18 I note in the report you talk about your staffing
19 levels at 50 folks. Not to micromanage. Do you believe
20 that's an appropriate level? Do you need more staff? Do
21 you think the program has enough staff?

22 You can look to the Chair of the Budget Committee
23 as you answer that question.

24 (Laughter.)

25 COMMITTEE MEMBER COSTIGAN: I just -- because I

1 note that you do put it in your report, and I just want
2 to -- again, I know there's a process. But do you feel
3 that 50 staff is an appropriate amount of staff to
4 effectively manage the program?

5 MANAGING INVESTMENT DIRECTOR DESROCHERS: Yes --
6 the short answer is yes. And like we put in here, there's
7 a working group that is looking for a new business model.
8 And I -- depending what your comment is. But I think --
9 as we are operating right, I think it's okay.

10 COMMITTEE MEMBER COSTIGAN: Okay.

11 MANAGING INVESTMENT DIRECTOR DESROCHERS: I'm
12 sorry, Mr. Costigan, if I might say. Over the last four
13 years there were a lot of things put in place, like Sarah
14 Corr with the risk and research, the quarterly template.
15 And we have the Investment Review Committee that is
16 particular to IRC. What we have done, I think we have
17 put, I would say, the foundation in place. And today what
18 I'm look -- what I'm doing is looking to be, I would say,
19 more effective, looking what we're doing. Can we work
20 smarter? Can we get the same result without having
21 additional resources? This is a venture that we have
22 taken about the last four or five months, and it's -- I
23 think it's good. I think it's a -- we have enough
24 resources for what we're doing right now.

25 COMMITTEE MEMBER COSTIGAN: Okay. Well, again,

1 it's just we're -- we are asking a lot of you-all. And I
2 just notice you put it up there. I just wanted to ensure
3 to bring back to both this committee and Finance and Admin
4 at some point. I mean, there's this inverse. You guys
5 are cracking down on fees, you're cracking down on the
6 private equity - which is good for the system. At the
7 same time it's for bringing more in-house and looking at
8 resource, and so I just want to make sure that we're
9 appropriately staffed since you did raise it.

10 MANAGING INVESTMENT DIRECTOR DESROCHERS: I'm
11 sorry if I...

12 Where we have -- when I look at the staff that
13 we've -- because we're losing staff. We've lost -- and I
14 say, its a compensation issue. Some staff that they
15 go -- I look at the staff that -- where they went. Some
16 goes to corporate pension plans, some goes to family
17 office, whereas this is at the senior level.

18 And then we have for the younger people, I would
19 say the IO-I, IO-II -- I say younger or people that are
20 entry level -- they would want to go to -- to have a
21 career path and also more money. So -- but we have enough
22 staff. This is the dynamic of the age we're under.

23 COMMITTEE MEMBER COSTIGAN: And that's always
24 going to be difficult in public service, I mean; and
25 that's something we recognize. And we'll continue -- I

1 know that Mr. Bilbrey has been working on that in his
2 committee.

3 I have some questions on Attachment 3. Were you
4 going to go over that, or can I ask you some questions?

5 MANAGING INVESTMENT DIRECTOR DESROCHERS: No, go
6 ahead, please.

7 COMMITTEE MEMBER COSTIGAN: So I'm just a little
8 confused just -- first of all, great report -- so, I mean,
9 along the lines that the Controller's office raised about,
10 how do you know who's complying or not complying? Not
11 necessarily adding another line. What I don't actually
12 see in this chart -- and if there's another document in
13 the report -- are they beating the benchmark? I mean,
14 there's nothing that -- all I can see are fees and profit
15 sharing. But it doesn't tell me whether they're
16 performing, underperforming, overperforming. I mean,
17 is -- we're going to create kind of this one place, one
18 document to shop to do a comparison.

19 What I don't see in the footnote, for example, is
20 why is Apollo -- on one of their funds it's negative,
21 under Fee Management or Net Management Fees. And so
22 Apollo European has a net negative, and yet they show
23 profit sharing. So I -- I'm not as technically smart in
24 this area as you-all, so I'm trying to understand why,
25 because it jumps out at me.

1 And then I have a couple more questions.

2 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

3 Okay. Mr. Costigan, I'll take the first part of
4 your question regarding the performance. We do actually
5 release the performance of the individual funds twice a
6 year with the trust-level review. In one of the
7 attachments to that, the detailed fund level attachment to
8 that you'll see the performance of every one of these
9 strategies.

10 And we can take it under consideration as to
11 start to include it with the fee information. This was
12 specifically focused on disclosure fees and carry.

13 The other thing I'll do, as long as I've got the
14 mic, quickly is to -- in addition to the 50 staff in
15 private equity, we also support Réal's team in our
16 operations units and our technology units and in our
17 compliance teams. So surrounding private equity we've
18 really tried to build up the foundation of that. And the
19 Finance Office as well, under Cheryl Eason, also supports
20 the cash movements that are associated with private
21 equity. So in addition to the 50 folks in private equity,
22 there's quite a strong and capable team that helped build
23 the PEARS system that surrounds them with sort of the
24 policy and compliance framework.

25 COMMITTEE MEMBER COSTIGAN: No, and I know that.

1 And it was just more of a global question. I mean, I
2 know, and Réal knows, he can't do it by himself; there's a
3 whole team. I just want to make sure from -- as for this
4 specific unit was the staff right, Mr. Tollette.

5 And why -- at some point if I want to know how
6 well Apollo is doing -- and I know we now have multiple
7 sets of documents -- how do we compile that into one so
8 when I can look and say, "Oh, the Apollo European is not
9 beating the benchmark," you know, whatever it may be, is
10 that something, Mr. Jones, that we're going to eventually
11 get to to make this easier to read? Because now there are
12 two sets of documents. If I just want to pick -- and I'm
13 going to pick on some folks in a minute -- and I want to
14 know more about them, I have to look in multiple places.

15 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

16 Well, to be clear, the performance information
17 that we do release twice a year for every fund, including
18 Apollo, it's presented on a net basis, so net of all fees
19 and all profit sharing. So you can see very clearly
20 whether their returns meets our expectations.

21 The benchmarks of course as presented at a
22 portfolio level, because each individual fund has its own
23 particular strategy, and it may or may not, you know, meet
24 the benchmark, the high level objective is to beat the ALM
25 assumption, the benchmark, and our public equity as

1 presented on the first slide.

2 COMMITTEE MEMBER COSTIGAN: No, and I understand
3 that. I'm just saying from the standpoint as I'm trying
4 to read across more information.

5 And then everyone that's listed on here is
6 someone that currently runs money for us? Is that the way
7 I'm supposed the read --

8 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:
9 It's a current active general partner, that's
10 right.

11 COMMITTEE MEMBER COSTIGAN: And if there's no
12 information, sort of along the Controller's question, is
13 that they didn't provide it, they refused to, we don't
14 have it, why is it that this chart's completely filled
15 out?

16 MANAGING INVESTMENT DIRECTOR DESROCHERS: Sarah,
17 you want to take it?

18 INVESTMENT DIRECTOR GOGAN: Yeah, that's a very
19 good question.

20 And so some of the values are blank for a variety
21 of reasons. For instance, in the Profit Sharing column,
22 if a -- if it's blank there, there the no profit sharing
23 taken in that particular time period.

24 With respect to the Net Management Fee column,
25 there's also a variety of reasons that there would be a

1 blank there, such as there are no management fees charged
2 after the investment period or there are no net management
3 fees because they've been offset.

4 COMMITTEE MEMBER COSTIGAN: Okay. So -- and that
5 sort of goes back to the other column about all these
6 folks that there's nothing next to their name, are they
7 worthy investments? Which sort of leads me to some
8 questions. Who, for example -- I mean, as I was looking
9 them up quickly. Like a Celator Pharmaceuticals, Fitbit
10 GoPro, those aren't private equity funds. Those are --

11 MANAGING INVESTMENT DIRECTOR DESROCHERS: Those
12 are distribution that we receive from the fund. We
13 have -- those are stock that would be distributed to
14 CalPERS from the fund. And --

15 COMMITTEE MEMBER COSTIGAN: So tell me about
16 GoPro, for example. Which I'm familiar with since I use
17 their device. Why is it listed? And if they're
18 underneath a fund -- or Fitbit. I mean, there are a few
19 in here. Lending Club.

20 MANAGING INVESTMENT DIRECTOR DESROCHERS: Right.
21 They would be --

22 COMMITTEE MEMBER COSTIGAN: Sprouts Farmers
23 Market.

24 MANAGING INVESTMENT DIRECTOR DESROCHERS: Right.
25 They would be stock distribution that we receive from the

1 manager. Because the manager has the option to distribute
2 cash or in some occasion distribute stock.

3 And we have a stock -- a manager that will
4 specialize in managing these distributions.

5 COMMITTEE MEMBER COSTIGAN: Well, just -- I'm
6 sorry, because I'm just confused. Why is, for example,
7 Sprouts on here? Why is Sprouts Market, or GoPro? I
8 mean, so they're not a directed -- a redirect investors
9 or --

10 MANAGING INVESTMENT DIRECTOR DESROCHERS: They're
11 not a direct investment. They would be -- I don't know
12 which fund that distributed them to CalPERS. But they
13 say, when they do a realization, they will distribute the
14 paper to us.

15 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: I
16 might be able to help.

17 So when a private equity fund exits a particular
18 investment, they can either distribute cash to us -- in
19 certain cases they actually will distribute the stock of
20 the company that they have exited from. And in certain
21 cases we'll hold that stock for a period of time. So a
22 portion -- as Réal mentioned in his introductory comments,
23 a portion of the private equity portfolio is actually held
24 in public stocks.

25 COMMITTEE MEMBER COSTIGAN: And I understand

1 that. Why are they on here then? I mean, because we
2 can't -- is it -- are we just creating a busy chart, I
3 mean, adding stuff? Because -- and not to pick on
4 sprouts, because I shop there as well. But --

5 (Laughter.)

6 COMMITTEE MEMBER COSTIGAN: -- I don't understand
7 why its on here. I get that we probably invested in a
8 private equity company and they spun the stock off to us.
9 And the same thing with Fitbit. But if they're now a
10 public equity that we're holding, why are we still
11 treating them in the private equity space?

12 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

13 Because they had expenses and profit sharing
14 associated with that particular investment.

15 COMMITTEE MEMBER COSTIGAN: In a prior holding
16 period?

17 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

18 Um-hmm.

19 COMMITTEE MEMBER COSTIGAN: Because they're not
20 reflected. So at some point, a Sprouts will rotate off?

21 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

22 They'll rotate off, right.

23 COMMITTEE MEMBER COSTIGAN: Okay. All right.

24 Thank you, Mr. Jones. Thank you.

25 CHAIRPERSON JONES: Mr. Jelincic.

1 COMMITTEE MEMBER JELINCIC: I do want to get to a
2 policy issue. But I will hold off on that until we've
3 finished whatever questions are there.

4 Réal, did I hear you say that 13 percent of the
5 private equity portfolio is actually in public stocks?

6 MANAGING INVESTMENT DIRECTOR DESROCHERS:

7 Correct. As of the date of that report, correct.

8 COMMITTEE MEMBER JELINCIC: Okay. Looking at
9 slide 4, the PEARS, 1 and -- phase 1 and 2 are live.
10 We're working on 3. Have we gotten to the point yet where
11 we are getting information about attribution analysis?

12 MANAGING INVESTMENT DIRECTOR DESROCHERS: Sarah.

13 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

14 Sarah and I will take that one.

15 We are getting to the point where we have a year
16 and a half of data, which we can use as the foundation to
17 build an attribution analysis and the portfolio company
18 information, much of it. So we're in the process of
19 starting to do that.

20 It's early days yet. I think we're probably 18
21 months to 2 years before we see meaningful results from
22 that. As you know well, Mr. Jelincic, attribution
23 requires some period of time to elapse. And so we
24 actually have to let some of the data accumulate in order
25 to gain any time series of information to make that

1 attribution reliable.

2 COMMITTEE MEMBER JELINCIC: Okay. And that
3 information is coming from phase 2, not from phase 3?

4 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

5 It's actually coming from sort of the whole
6 system. Primary the portfolio company information that's
7 now included in PEARS that many times before we didn't
8 have aggregated into one system like we do now, that's
9 really what we're using. We expect that the attribution
10 analysis will analyze questions like: How much does
11 leverage at the portfolio company level affect the
12 returns? How much does operating leverage improvements or
13 earnings before depreciation interests, amortization and
14 taxes, how much do changes in that affect the returns?
15 How much does timing by the general partner in terms of
16 entry and exit points, how much does that affect return?

17 So all those questions we can begin to poke at
18 now that we have the actual foundation of data in the
19 PEARS system.

20 COMMITTEE MEMBER JELINCIC: And let's not forget
21 to look at how much of that return is coming from wage
22 suppression and termination of defined benefits.

23 For the objectives for '16-'17, obviously they're
24 not done yet or they wouldn't be objectives, but can you
25 give us some insight into what you were thinking on the

1 private equity benchmark and possible changes to the
2 business model?

3 MANAGING INVESTMENT DIRECTOR DESROCHERS: When --
4 I would like Eric Baggesen. I don't know if I may ask
5 him. Is he here? That's his -- that's his shop.

6 But I think when we look at the benchmark that we
7 have -- when you look at the -- if we go back to the
8 slide -- the first slide there -- we have...

9 CalPERS has changed benchmark over the last --
10 for 3, 5, and 10 years -- four times changed the
11 benchmark. So four times the benchmark was changed.

12 When we look at the performance to beat the
13 benchmark, we don't, except on one year and long-term --
14 long period of time.

15 What the benchmark should be, I think it should
16 be an equity type of benchmark. It should have a premium
17 over the public market. But I will stop here because I
18 will leave it to the man I think that his main job is to
19 look at the --

20 MANAGING INVESTMENT DIRECTOR BAGGESEN: Sure.

21 Good morning. Eric Baggesen, Managing Investment
22 Director for Asset Allocation and Risk Management.

23 Réal is exactly right. During the lead-in to the
24 ALM exercise we'll be going into the private equity
25 benchmark as well as our other investment benchmarks.

1 In general, the benchmark for private equity is
2 not useful as a portfolio construction tool. It's simply
3 an indicator. And in that regard, our prior going into
4 the analytic work that we'll put in front of you is
5 probably to move towards a benchmark that reflects the
6 opportunity costs, because truthfully we invest in private
7 equity as an alternative to the public equity investments
8 that we make.

9 And if you even look at the performance - I think
10 it was page 2 of the attachment - you see -- yeah, it's up
11 on the screen now also -- you actually see that the
12 Private Equity Program has achieved its objectives of
13 beating the public equity alternative by several hundred
14 basis points in virtually any time period, and in some
15 cases more than that.

16 What we have for a policy benchmark currently is
17 just an artificial construct that does not match what we
18 invest in publicly and it does not provide any real
19 information as to the construct or guidance in the
20 construction of the private equity portfolio.

21 So it's just an artificial thing that hangs out
22 there without any particular real relevance other than the
23 fact that it's there.

24 So that will be an issue, as I say, that we'll
25 take up during the ALM exercise; and we can have a

1 discussion about it at that point.

2 Does that answer, Mr. Jelincic, the question?

3 COMMITTEE MEMBER JELINCIC: Well, in part.

4 But -- so we're going to have a discussion about it.

5 Obviously you've given some thought to what the benchmark
6 ought to be. And I was just wondering if you could give
7 us a hint to what you're -- at least the range of
8 possibilities that you've looked at, and then the business
9 model.

10 MANAGING INVESTMENT DIRECTOR BAGGESEN: That's
11 exactly right. And I think the other thing about the
12 benchmark as it currently stands is that the Private
13 Equity Program and the whole structure of how they invest
14 money is significantly divorced from the pattern of
15 returns that you see in the public markets. So that
16 another element that creates actually real problems I
17 think in the private equity benchmark area is its usage as
18 a measuring stick, if you will, to gauge how well the
19 staff are doing their job or not doing their job.

20 Because of this complete divergence of the way
21 the private equity and public and private company
22 marketplace works from these public-equity-type linked
23 benchmarks. So this may be an area where we actually need
24 to utilize multiple benchmarks where you're picking a
25 benchmark that is fit for the purpose that you're trying

1 to achieve. And that's one of the topics that we've been
2 bringing up as we've started this discussion around
3 benchmarking, is that you actually may need multiple
4 benchmarks to really achieve the objectives that you have.
5 And private equity I think would be an area where that's
6 highly likely to be the case.

7 CHIEF INVESTMENT OFFICER ELIOPOULOS: I'll take
8 the business model if no other questions on the -- on the
9 benchmark.

10 COMMITTEE MEMBER JELINCIC: No.

11 CHIEF INVESTMENT OFFICER ELIOPOULOS: So on the
12 alternative potential business models, we can maybe turn
13 to page 3 just to help me.

14 You can see on page 3, if we do nothing else
15 looking forward to July of 2020, what -- what we'll see in
16 terms of the private equity portfolio is that we'll have
17 significant investment in funds - that line item will stay
18 robust - we'll likely see our fund of funds decline over
19 the course of the three, four years because, as the team
20 mentioned, they're not going to be investing in any new
21 fund of funds except for the Emerging Manager Program;
22 we'll have some modest level of co-investment done, and a
23 material amount of separate account work done. So if we
24 do nothing else, the makeup of the program will be in the
25 business model of funds; some co-investment; and some

1 level of separate account, targeting about 30 general
2 partners around the globe as our main partners or
3 counterparties.

4 So as I said, if we did nothing else, you know,
5 blink our eyes to July 2020 and our portfolio will be
6 constructed and composed in that manner.

7 What I and the senior team thought worthwhile
8 beginning this year and significantly looking into this
9 next year's workplan is to look at alternate business
10 models to -- certainly to the fund model. And I've asked
11 John Cole to lead up that effort to sort of conceptualize
12 and look at different alternatives. And Mahboob is on
13 that team as well. And I and Réal and the whole senior
14 team are giving input and direction to that team as they
15 do that.

16 And they're going to look at all the
17 possibilities. Certainly co-investments and direct
18 investments are one of the alternative business models to
19 look at.

20 Separate accounts, also another business model to
21 look at there. There's questions being -- questions being
22 analyzed, looked at in terms of generalist separate
23 account managers versus specialist, as it makes sense to
24 have sector-specific or geographic-specific separate
25 accounts versus more generalized ones.

1 And then looking at other business models such as
2 a separate company that could be created and staffed to
3 either do direct investing or do other things.

4 So really look at all of the available
5 alternatives out in their marketplace that are peers have
6 used, look at some of the options, alternatives to invest
7 either directly with public companies or taking public
8 companies private. Those are other alternative modes.

9 All with -- all with the hope of looking at what
10 advantages and, importantly, what risks would we bear to
11 try and do something that's different than how the private
12 equity industry has evolved at least to date.

13 And one of the things that for sure is an impetus
14 for that inquiry is, as we've discussed from the
15 traditional model of private equity, the fund model, there
16 are a relatively small number of general partners that
17 have the track -- persistent track record over time, and
18 there's lots of capital flowing into those managers. So
19 they're very expensive vehicles to invest into.

20 Now, as I always say once I finish saying that,
21 very much respect the marketplace of talent. You know,
22 we're investors, we're used to invest in various
23 marketplaces. And talent is a marketplace. And at least
24 to date the private equity fund model, with a relatively
25 small set of persistent winners in that space, have

1 delivered the returns that Eric and the team and we keep
2 on referring to. So it is particularly an area of risk
3 where the dispersion of returns in private equity is so
4 wide, that in considering an alternative model we have to
5 take into account the risk of moving away from a business
6 model that at least to date has been successful.

7 So whole long-winded way of saying we have a team
8 focused on it, and we'll be looking at these alternatives
9 and bringing back periodic reports to the Committee for
10 input.

11 COMMITTEE MEMBER JELINCIC: I didn't find it to
12 be --

13 CHAIRPERSON JONES: Wait a minute, J.J.
14 Go ahead.

15 COMMITTEE MEMBER JELINCIC: I didn't find it to
16 be long winded at all, because what I was asking for was
17 the range of things we were looking at, and you covered
18 that.

19 On page 5, slide 5, 529, attachment 1, there's a
20 significant difference in the fees paid. But they also
21 don't measure exactly the same things it's not an
22 apples to...

23 So can you talk about the difference between
24 those two numbers; I mean, what's included and what's not?

25 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

1 Yes, we can talk about the differences. The key
2 differences that -- in the prior fiscal year, fiscal year
3 2014-15, the PEARS system was not implemented and
4 available. So that 414.1 essentially comes from the prior
5 method which had been used for many years at CalPERS of
6 compiling private equity fee information, which is from
7 the K-1s, the tax statements that each partner receives.

8 The first thing to note about the K-1s is they're
9 calendar-year documents.

10 The second thing to note about the K-1s is that
11 on many of the K-1s received, fees and other partnership
12 expenses were many times inseparable. Now that the PEARS
13 system is live and available, we have more precision as to
14 what the actual fees are versus other partnership
15 expenses; and other partnership expenses includes things
16 like audit fees, legal fees, banking fees, things like
17 that, that all partners are paying. And because of that,
18 we're able to more precisely analyze the breakdown of
19 that.

20 For this year, for example, only fees are
21 included in that fee line, External Management Net.
22 You'll notice down in the footnote D, that other
23 partnership expenses are disclosed. They were 75 million
24 for the year. So that represents part of the difference
25 between last year and this year.

1 Another part of the difference is that the actual
2 portfolio is roughly 13 percent smaller. And so fees
3 would just naturally decline given the fact that they're
4 generally charged on capital.

5 The other thing that I'll note regarding the
6 difference between last year and this year is that, in
7 prior years, again using the K1-based compilation process,
8 fund of -- the fees on underlying fund of funds - so the
9 funds that are within a fund of fund, where CalPERS is not
10 actually privy to the contract - we contract with the
11 fund-of-fund manager, but the fund-of-fund manager
12 contracts and collects the fee information from the
13 subfund. Many of those were actually included in the
14 K-1s. This year, we've only included the fees in the
15 2065, the fees that we paid to our -- the managers that we
16 have contracts with. You'll see we do disclose the total
17 fees paid to those underlying funds in the fund of funds
18 below in footnote C, and they were 46 million.

19 The 2065, we worked with the Financial Office
20 very closely in an effort to make sure that what we
21 represent as management fees paid for the private equity
22 matches our CAFR and is information that we feel
23 comfortable and confident in providing to the Committee.

24 COMMITTEE MEMBER JELINCIC: Does either one of
25 those include carry, both paid and accrued -- and/or

1 accrued?

2 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

3 The short answer the no. The carry information
4 is included just below for this fiscal year. As you can,
5 see 539 million in profit sharing distributed. And
6 CalPERS -- that was about 14 percent if you do that -- do
7 the math. And then CalPERS collected 3.2 billion, about
8 86 percent of that profit.

9 COMMITTEE MEMBER JELINCIC: Okay. So that is
10 what was actually paid out; it doesn't include any accrued
11 accounting or accrued --

12 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: It
13 does not include accrued, that's right.

14 COMMITTEE MEMBER JELINCIC: Okay. And neither of
15 these include portfolio fees or offsets or waivers, all of
16 which ultimately come out of our pocket?

17 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

18 The -- taking those perhaps in turn. The total
19 offsets for this year were about 52 million. So that
20 would essentially take that 2065. And if you -- if we
21 didn't receive any offsets, those are portfolio company
22 fees paid to the GP that offset fees that we would
23 otherwise pay. There are about 52 million. So if you
24 gross that number up to the gross fee level, it would be
25 about 258 million.

1 COMMITTEE MEMBER JELINCIC: And does that include
2 waivers? Which are sort of not paid but paid in a
3 different form.

4 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: It
5 does not include waivers.

6 COMMITTEE MEMBER JELINCIC: Okay.

7 On slide 16, one of the -- it looks to me like
8 equity, the EBITDA is the same, the -- you know, the total
9 valuations are down some, but it looks like the equity's
10 the same. Is that the case?

11 INVESTMENT DIRECTOR HOSSAIN: Let me answer that.

12 I think it's a scale issue. What -- what we have
13 seen generally is -- because of the OCC guidelines on risk
14 management of federal banks and other financial
15 institutions, equity components for leveraged deals have
16 gone up slightly compared to what happened in the past.
17 If you look back, you will see that sort of equity
18 component right now should be one of the highest in the
19 near history.

20 So I would say that component has slightly gone
21 down and equity component has slightly gone up.

22 COMMITTEE MEMBER JELINCIC: Okay. And then on
23 slide 17, the exits and liquidity. One of the
24 frustrations that at least I have is, you know, we get an
25 exit when a GP sells it to a GP. So we have now had a

1 realized gain that we have paid a fee on but we still own
2 the same asset; we just hold it under a different manager
3 at a higher cost.

4 Do we have any idea how much of the exits that
5 we're dealing with are GP to GP rather than GP to
6 something we're not invested in?

7 INVESTMENT DIRECTOR HOSSAIN: First, well, I
8 share your frustration as well.

9 What we have seen again in the market is that
10 generally sponsor-to-sponsor transaction has gone up. I
11 don't have the exact number though for you. I can -- I
12 can see if I can find some numbers. But generally
13 sponsor-to-sponsor transactions have gone up.

14 COMMITTEE MEMBER JELINCIC: And so they're paying
15 higher prices and moving it from one pocket to the other
16 and we're still involved?

17 INVESTMENT DIRECTOR HOSSAIN: That is correct.
18 That is correct.

19 However, one case that some general partners make
20 is that -- that generally private equity companies --
21 private equity companies are well managed. So if you're
22 looking at sort of universe of investments to be made,
23 sometimes they find that there are more reasons to add or
24 more value add that a particular manager can do, even if a
25 company was previously owned by a private equity manager.

1 COMMITTEE MEMBER JELINCIC: Which -- to rephrase
2 that, the second GP can add value that the first GP
3 couldn't or wouldn't?

4 INVESTMENT DIRECTOR HOSSAIN: Exactly, exactly.
5 That's a case that has been made, yes.

6 COMMITTEE MEMBER JELINCIC: And for that we will
7 pay more fees?

8 INVESTMENT DIRECTOR HOSSAIN: Correct.

9 COMMITTEE MEMBER JELINCIC: Okay. Do you want me
10 to deal with the policy issues, or should I -- if there's
11 more questions, I can wait.

12 CHAIRPERSON JONES: No, you could see what the
13 question is. I don't know what the question is.
14 Go ahead.

15 COMMITTEE MEMBER JELINCIC: Okay. Back in the
16 agenda item itself, one of the issues that I had raised
17 in -- a year ago was the issue of policy that says that we
18 will not enter into new -- any LP -- new LPAs unless we
19 knew and the partner identified what fees they were going
20 to charge; not necessarily an amount but the kinds of
21 fees.

22 And we had a discussion in November and we had
23 another discussion in December of '15, and staff said
24 basically that if we did that, then people wouldn't play
25 with us. And so we put off.

1 But they did specifically say we would have that
2 conversation again this year. And so what I noticed in
3 the agenda item is -- and I fell out of the iPad, which is
4 why I'm fumbling.

5 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

6 Page 86.

7 COMMITTEE MEMBER JELINCIC: Yeah, 86.

8 As a result, staff does not propose changes to
9 the policy at this time.

10 But basically they've said they've already
11 implemented it. They said that a year ago. They've said
12 it now. And it seems to me that the only reason not to
13 put it in the policy is the ability to not do it. I
14 remember the case we had with Blackstone, and I think KKR
15 was another case where it happened, where the GP actually
16 was misallocating labor costs -- or legal costs, and
17 we -- you know, the SEC basically said you're ripping them
18 off, you've got to give them some money back.

19 But we had been noticed and said, well, we
20 can't even complain because it's not in -- it's not an
21 explicit violation of our LPA. We had nothing in there
22 that says, "You will not rip us off."

23 And so I think we really do need policy that says
24 that they have to disclose the fees and the carries and
25 the discounts and the other forms of economic rent.

1 And I can give you a whole bunch of quotes on
2 how, "Yeah, we want to do that and it's important policy,
3 it's important practice, but we don't want to put in the
4 policy." And I think it really belongs in the policy. We
5 ought to telegraph to the world that these are our
6 standards, and if you want to play with us, you're going
7 to play by our standards.

8 I would point out that Rhode Island has actually
9 taken a pretty aggressive position on it, and has had
10 nobody walk away from them. They have the same people
11 competing for their business.

12 So I think there is a very low risk in the world
13 saying, "I will not go after that pot of money because I
14 have to identify what kind of fees I'm going to charge."
15 It's not even what -- how much the fees are going to be,
16 but the kinds to fees.

17 And, you know, if somebody is not willing to
18 disclose to us the kinds of fees, I'm not sure it's
19 somebody we want to play with.

20 CHAIRPERSON JONES: Okay. I'm going to ask
21 Mr. Eliopoulos to comment on that and talk to what degree
22 that we are collecting said information and that part that
23 we're not collecting and what are the risks if we were to
24 collect those fees.

25 CHIEF INVESTMENT OFFICER ELIOPOULOS: Sure. And

1 I'm going to turn it over to Wylie to go through that more
2 specifically.

3 But, you know, this is an area that's evolving.
4 We had that long discussion about the ILPA template and
5 all that's going on in the industry.

6 So among other things in terms of what we're
7 actually collecting right now and some real ambiguity
8 about some of the language around economic rent and
9 discounts and rebates, the other is just the fluidity of
10 this. We had state legislation passed just this year
11 which will go into effect. So among other things, I
12 just -- I think I still, and our whole staff, believes
13 it's a little too premature to put into our actual policy
14 language when we have that level of fluidity.

15 But with that, maybe Wylie could talk a little
16 bit about what we are requiring right now and where there
17 are gray areas.

18 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

19 Yeah, thank you, Ted.

20 And I'll begin by saying we understand and
21 support where Mr. Jelincic is going. And I think our
22 interest is in really understanding and presenting a full
23 picture of the costs of all investments in addition to
24 private equity. And we feel like we're making great
25 progress down that path and actually are -- for a fund of

1 our size to disclose this type of information, we feel
2 like it's put us in a leadership position around that.

3 Currently, when this policy proposal came up for
4 discussion, it was prior to the passage of legislation
5 which now requires us as a fund, along with a lot of other
6 California pensions, to disclose much of this information
7 including fees - management fees, portfolio company fees,
8 and the carry paid.

9 The areas of the policy proposal which Ted
10 mentioned which I think still give us some pause, and
11 would legitimately give any of our business partners
12 pause, are those areas that -- where the definitions are
13 still quite unclear as to what is being asked for.

14 So, for example, in economic rent, that's -- I
15 think we're struggling a bit to really understand what
16 that represents. Now, as the SEC steps in and examines
17 our private equity partners more carefully, I think some
18 of those areas that you highlighted, Mr. Jelincic, are
19 coming -- are becoming more clear, and in essence they're
20 clarifying, sort of in the form of precedent, of
21 regulatory precedent, those areas that are sort of within
22 the boundaries and outside the boundaries.

23 And that's very helpful for us and it's helpful
24 for our -- I think I would argue it's helpful for the
25 general partner community too because it's creating more

1 of a bright line area as to how to define something. And
2 then once it's definable, then it can be accounted for and
3 disclosed.

4 Where specifically the terms "discounts" and
5 "economic rent" are just too unclear at this point for us
6 to define and to put into policy.

7 But I would sort of close on the idea that we're
8 absolutely aligned in terms of wanting to understand and
9 present all of the costs of this type of investing, and I
10 think we've made great progress. There's still more work
11 to do clearly, but I think we're well on the way.

12 I think it's still too premature to put it in a
13 policy. And, as I said, in addition, the legislation and
14 our existing practices, which really are a gatekeeper. We
15 will not sign up with a partner who does not agree to use
16 the ILPA template.

17 And we have a supplemental template that we're
18 collecting for fees collected from portfolio companies
19 that are not in the offset. So that's another piece of
20 information that we're collecting and including that's
21 above and beyond what the legislation specifically
22 requires.

23 So overall, we feel like we're in a good
24 position. There's still more work to do, still more
25 clarification to be had, so that's really something that

1 we're continuing to stay focused on.

2 COMMITTEE MEMBER JELINCIC: Well, discounts that
3 accrue to the GP is clear enough for the SEC to fine
4 people.

5 The objection to other forms of economic rent was
6 actually put -- you know, I proposed that language
7 specifically to address the issue you and I think
8 Mr. Slaton had raised. Well, if we define it, if we give
9 them a list, we will get -- "well, that wasn't on the
10 list, so we can charge you that." And -- but clearly if
11 it is putting money out of the fund into the GP, it's some
12 form of economic rent. So I think it is a term that it
13 has enough economic and academic support, that it can be
14 dealt with; while at the same time not having a list that
15 says all these -- including but not limited to all of
16 these things.

17 So I really think that it actually belongs in
18 policy and was disappointed that after last year you
19 didn't bring it forth as a real item to be discussed.

20 And I can count votes so I'm going to move to
21 amend it into the policy. But it really is a problem if
22 we say we will deal with people who are not telling us
23 what they are going to charge us. And if they are going
24 to tell us what they're going to charge us, then we
25 shouldn't have a problem putting it into the policy.

1 CHAIRPERSON JONES: Okay. Thank you,
2 Mr. Jelincic.

3 My direction is that continue to pursue these
4 areas and periodically report back to the Committee on
5 whether or not it's time to move into that area, in
6 conjunction with what the policy should be. Okay?

7 Mr. Costigan.

8 COMMITTEE MEMBER COSTIGAN: Thank you, Mr. Jones.

9 I just want to say I agree with Mr. Jelincic from
10 the standpoint of putting more pressure on our managers --
11 external managers. And here's the concern, Mr. Jones --
12 and I agree, I think the direction you gave is appropriate
13 and not to be amended. But we need to be much more
14 diligent on this. Given what we think the new
15 administration is going to do and some of the reforms that
16 we've been pushing what a future SEC may look like, I
17 really think as Mr. Jelincic was speaking, similar to the
18 way the Controller and Ms. Mathur have led on some of the
19 environmental changes, we've got to use our contracting
20 and our funds to effect change. I'm not sure it's going
21 to be the statutory -- I understand we have to deal with
22 the Treasurer's legislation going through. But a lot has
23 changed. And I don't want us to lose sight, as the way
24 that Mr. Jelincic is raising, I've never quite understood,
25 given who we are, the reluctance of managers to disclose

1 this information.

2 And quite honestly, I wouldn't do business with
3 people that refused to give us the information or don't
4 adhere to it. And I get the pressure on returns and all
5 that. But sometimes -- what's the phrase, the hammer and
6 the nail? They should be the nail and we're the hammer.
7 And I just -- I'm just curious a little bit more as to
8 where you guys see -- I know our fallback is SEC
9 legislation. But I often look at the terms of our
10 contracts as giving us much more. And we're the gold
11 standard. I mean, we see that in the Emerging Manager
12 Program. Everyone wants to do business with us because it
13 leverages everything else in the chart you guys just
14 showed us.

15 Every one of those funds should be disclosing.
16 And if they're not, or they're refusing to, we shouldn't
17 be doing business with them.

18 So I don't know, Wylie, where you want to go.
19 How is it that we can be more of a hammer and not
20 necessarily wait on legislation or...

21 MANAGING INVESTMENT DIRECTOR DESROCHERS: Mr.
22 Costigan, I think we are really quite the hammer right
23 now. I think we are. Like we said, we asked for a full
24 set of disclosure for the ILPA template, plus the CalPERS
25 disclosure. Like Mahboob was explaining, we will not

1 underwrite -- not even start looking at the funds unless
2 the manager accept to provide a lot of that information.
3 To me, I'm adamant about that, because it's a matter of
4 allocating resources also. So people, if they want to
5 have CalPERS' money, before we start the due-diligence
6 process, they have to accept to disclose.

7 COMMITTEE MEMBER COSTIGAN: So then what
8 Mr. Jelincic is asking for, we're already doing?

9 MANAGING INVESTMENT DIRECTOR DESROCHERS: I think
10 what Mr. Jelincic is asking for is the -- in lieu of a
11 fee, I mean the economic rent. I don't -- to my
12 knowledge, I don't -- I think that has changed since the
13 SEC findings, which was two years ago. But I don't -- I
14 will not stake my neck on it. But I think that has
15 changed. The behavior has changed, because people were
16 fine on that.

17 COMMITTEE MEMBER COSTIGAN: But on a
18 going-forward basis at least with us for now, we are
19 making these requirements from our managers; and if
20 they're not complying, we're not moving forward with them?

21 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:
22 That's right. It's a gatekeeping item.

23 COMMITTEE MEMBER COSTIGAN: Thank you. Thank
24 you.

25 Thank you, Mr. Jones.

1 CHAIRPERSON JONES: Okay. Thank you.

2 Mr. Juarez. And welcome.

3 ACTING COMMITTEE MEMBER JUAREZ: Yes. My initial
4 comments, it's actually a question for staff.

5 Given the passage of AB 2833, I'm curious what
6 our approach will be going forward to incorporate those
7 provisions into the policy if that hasn't been done
8 already. So if you can school me a little bit on that, I
9 would appreciate it.

10 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

11 Happily.

12 Our PEARS system anticipated many of the elements
13 of AB 2833. So we are largely compliant now. And we
14 won't -- as we said just a moment ago, we won't sign up
15 with a new GP. And that's -- that was implemented earlier
16 this year. And even though the requirements from AB 2833
17 don't kick in until I think January 1st, we've been living
18 by its precepts for a year now.

19 ACTING COMMITTEE MEMBER JUAREZ: Okay.

20 CHIEF INVESTMENT OFFICER ELIOPOULOS: And then
21 the further answer -- to answer the question. We don't
22 typically in our policies put in that we'll -- other than
23 I think broad term of we always will and we do comply with
24 State law across all of the enterprises' activities.

25 So in this case, in our investments, we will

1 comply with the State law and other -- and all others.

2 ACTING COMMITTEE MEMBER JUAREZ: Okay. Thank
3 you.

4 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

5 Yeah, that's a great point. We don't typically
6 reproduce elements of the State law within our investment
7 policies. There's -- there are assumed to be overarching
8 principles that we have to abide by.

9 ACTING COMMITTEE MEMBER JUAREZ: Excellent.

10 CHAIRPERSON JONES: Thank you.

11 Mr. Jelincic.

12 COMMITTEE MEMBER JELINCIC: Last year we said we
13 were basically complying. This year we say we're
14 basically complying. We are not willing to put it into
15 our policy.

16 But I think we need to have a serious hammer,
17 especially when somebody like Schwarzman is saying, as
18 he -- on his earnings call he mentioned that one large
19 institution that is in the process of reducing its number
20 of general partners to 30 from 100 - I can guess who that
21 one is - that institution, quote, basically asked us how
22 much money, more or less, they could just give us?

23 And that is -- then he went on say -- he added,
24 "but it's going to be repeated in a variety of different
25 areas."

1 So he doesn't think we have much bargaining
2 power. A year ago you told us we don't have much
3 bargaining power.

4 At some point we need to say, "These are the
5 standards. And if you can't meet our standards, we won't
6 play."

7 You know, when I came across this Schwartzman
8 quote, it was really kind of boggling.

9 The other one that I came across was Tony James'
10 comment that over a long period of time a diversified
11 asset portfolio should earn 8 to 9 percent. And he said
12 that a couple of months ago. So that also kind of snapped
13 my head.

14 But the Schwartzman quote is I think really
15 serious.

16 CHAIRPERSON JONES: Okay. So, anyway, I've given
17 direction.

18 Go ahead. Mr. Eliopoulos.

19 CHIEF INVESTMENT OFFICER ELIOPOULOS: And we
20 understand the direction, for sure.

21 Let me just say one thing. I think it's very
22 important in this fee transparency area to work through
23 ILPA. Here we have -- that's where you have -- actually
24 have a hammer, a big one, and one that can, you know,
25 govern the marketplace and move the marketplace. And much

1 of the progress that we've collectively made - and we've
2 been an absolute leader in that regard - is getting this
3 template put together.

4 Some of these gray areas around rebates and
5 economic rent are debated in that forum. And it's really
6 quite difficult to get to precision, but not that we
7 won't. So I think it does make sense as time evolves to
8 see whether or not we can drive change through that
9 organization to the extent that we think that it -- that
10 it's beneficial to CalPERS and that it is actually driving
11 change in the marketplace if at some point in time we
12 believe that it's time to go it alone, and make our own
13 statement to the marketplace, or really segregate
14 ourselves out from all the other LPs in the marketplace.

15 There may come a point in time that CalPERS
16 chooses to do that. But at that point in time it's not a
17 game of chicken. We need to be sure that when we do that,
18 and act individually, that we are ready -- as we discussed
19 at our workshop and as we discussed in many subsequent
20 meetings on private equity, that we are ready to either --
21 to live with the consequence of not investing. Because at
22 this point in time our approach has been to make sure
23 through ILPA that we really drive transparency and fee
24 changes broadly amongst the LPs so that we aren't
25 isolated.

1 That's not to say I don't hear the argument and
2 really understand it and admire in many cases the desire
3 for CalPERS to change the entire marketplace. But in this
4 particular case, the overwhelming amount of capital
5 flowing into private equity and to a relatively small
6 number of general partners, I think the language that you
7 cited and our own comments for the past two years is that
8 the market is favoring the general partners much --
9 dramatically in favor of the general partners versus the
10 LPs. And we need to monitor that and continue to discuss
11 it over time.

12 CHAIRPERSON JONES: Okay. Thank you very much.

13 Okay. We're going to recess for 10 minutes for
14 our recorder. Say 11:40 we will reconvene.

15 And when we reconvene, we will then hear from the
16 consultant's review on private equity, from PCA.

17 Okay thank you.

18 (Off record: 11:32 a.m.)

19 (Thereupon a recess was taken.)

20 (On record: 11:42 a.m.)

21 CHAIRPERSON JONES: I'd like to reconvene the
22 Investment Committee meeting.

23 Ask Board members to return to the dais.

24 I've got a quorum, right?

25 Okay. So at this time, we're going to go to the

1 consultant's review of the Private Equity Program.

2 Mr. Mike Moy.

3 (Thereupon an overhead presentation was
4 Presented as follows.)

5 MR. MOY: Good morning. Mike Moy from PCA.
6 Andrew and I are going to split up the presentation. And
7 we will -- because you covered a lot of ground in far more
8 depth than I had expected you would, so we'll be very
9 brief in our comments. But we'd be happy to answer any
10 questions towards the end.

11 I would like to make a couple of, let's call
12 them, factual references just for context. ILPA is
13 something that we have been talking about for quite some
14 time in terms of the adoption of the template, the
15 importance of it, et cetera.

16 At the end of October, this year, nine general
17 partners had adopted the ILPA template out of, I don't
18 know, 3,000, 6,000. I'm not sure what the real number of
19 general partners is. So there's been very limited
20 adoption by general partners of the template.

21 And the primary reason they give for that is that
22 the complexity of requests from limited partners is so
23 vast that it is hard for them to design a system that's
24 going to generate the information they need to be
25 responsive to all limited partner requests.

1 On the other hand, only 56 limited partners have
2 endorsed the template. And that's out of a population of
3 probably, I don't know, 3,000 limited partners around the
4 country.

5 So I want to commend staff and the institution
6 for its efforts. You are the leaders I think in terms of
7 developing a system that enables you to capture and report
8 out information that is compliant with the ILPA template.

9 But right now, you're not alone, but you're darn
10 near it. There's a few people out there that are
11 reporting information. They have not developed the
12 interface that's necessary to do it easily. They have
13 developed methodology where they bring in others to help
14 them aggregate the information and report it out.

15 But you've taken that step several years ago, so
16 you're leaders in coming up with something that was going
17 to enable you to be compliant with the ILPA template.

18 Okay. Going to I guess it's page 2 of 9.

19 --o0o--

20 MR. MOY: This data, you've seen it. I guess I
21 just want so sort of put it in the context so show where
22 you've -- where you've been and where you're going.

23 You went through a period of time from 2008 to
24 2012 where your private equity portfolio grew by 38
25 percent. And then it contracted down through June 30,

1 '16, by 23 percent. From 2008 to 2016 it basically grew
2 only 23 percent.

3 The importance of that is sort of contextual in
4 that, as you attempt to move towards a strategic portfolio
5 of 30 managers, and you go through a new asset liability
6 study, you're going to encounter dynamics that are going
7 to be in conflict. Because if you say "I'm going to have
8 to have 9 percent allocation or a 10 percent allocation to
9 private equity," the issue is going to be whether you can
10 find sufficient number of managers who can handle the
11 amount of capital that it takes for you to be able to have
12 that allocation. And it's going to be an interesting
13 tension to watch.

14 Don't know what the answer's going to be. It's
15 been working now but you've been kind of coming down.
16 When you get into a maintenance mode, I think it could
17 very well be different.

18 The current environment is highly competitive.
19 The good managers are having absolutely no trouble getting
20 commitments from investors, which presents a real problem.
21 Because when you look at the playing field, the -- the
22 field is tilted towards the general partners, and they're
23 very reluctant to give any kind of ground in the
24 negotiations because of that.

25 The fact that you have a wonderful reputation

1 with many of them, you've been successful with those; the
2 fact that AB 2833 goes into effect in January is going to
3 be an incentive for everybody to, if they're interested in
4 getting honey from California pension funds, to conform.

5 But that's sort of in the future. And how that's
6 going to play out, I don't have a good answer. I'm
7 guessing there's going to be a high level of compliance,
8 but there's a possibility that some may feel sufficiently
9 arrogant that they say, "No, we're not interested in that
10 kind of restraint."

11 You can see that the number of manager
12 relationships has diminished from 2008 to 2016. It's come
13 down by 35 percent. And it's got a long way to go till
14 you get to the number 30.

15 Having said that, now I'll turn it over to
16 Andrew, and he can give you some observations; and you'll
17 come back to me on some of the other issues.

18 MR. BRATT: Good morning. Andrew Bratt, PCA.

19 Just a few observations that were touched on a little
20 earlier. I'll reiterate them.

21 Your portfolio has underperformed the policy
22 benchmark over the 3-, 5-, and 10-year periods, while
23 beating the benchmark over the 1- and 20-year periods.

24 In addition, the program has exceeded the Total
25 Fund's expected rate of return of 7-and-a-half percent as

1 well as the expected return for the asset class of 9.3
2 percent over the 3-, 5-, 10-, and 20-year periods.

3 We haven't yet spoken about the strategy
4 composition of the portfolio. It's largely based bias
5 towards buyouts, which is consistent with the overall
6 opportunity-set in the private equity market.

7 Venture capital on the other hand is a very small
8 percentage of your private equity portfolio, at around 5
9 percent now.

10 In terms of your program -- I'm now looking at
11 slide 4 of 9.

12 --o0o--

13 MR. BRATT: -- we've discussed PEARS a little
14 bit. The senior team discussed the changes that they had
15 at that level. There's been a few investment officer
16 departures, particularly in the underwriting areas. But
17 those positions are in the process of being filled.

18 And the table at the bottom of slide 4 shows your
19 contractual management fees and carried interest over the
20 last four fiscal years. Now, these are not net numbers
21 and they don't take into account offsets and waivers and
22 other fees of that nature.

23 But what this does show is the base management
24 fees and carried-interest numbers are coming down. It's
25 largely a product of separate accounts, customized

1 investment accounts, which have more flexibility on fees;
2 and co-investments, which are often done on a no-fee,
3 no-carry basis. So to the extent those two areas are
4 continued - and Ted mentioned that they are likely to be
5 continued - the fees may either stay at this level or
6 potentially come down a bit further.

7 Now moving to slide 5, just a few of the
8 challenges.

9 --o0o--

10 MR. BRATT: These are these that have been
11 discussed.

12 Retaining talent specifically at the analyst or
13 investment officer level is important. The transparency,
14 we've discussed that.

15 The one point that hasn't really been discussed
16 is we have a -- we mention in the middle of this page
17 "consider expanding due-diligence procedures to augment
18 those of the SEC." What we're getting at here is we think
19 limited partners generally, not just CalPERS, but
20 generally would be served by an independent accounting or
21 law firm to come in and look at each partnership and
22 determine compliance with the terms of the LPA.

23 So this would be an independent firm, not hired
24 by the GPs - it would obviously be a fund expense - but
25 something that -- a firm that could come in and determine

1 that whether or not the firm has been compliant on
2 economic arrangements such as allocation of fees and
3 distributions of carried interest, which we think is a
4 logical next step for LPs to seek. It's not something
5 we've seen yet in the market, but it's something that we
6 think LPs would be well served to request and potentially
7 negotiate for.

8 So the other items have largely been discussed.
9 I'll pass it back to Mike for some other remarks.

10 MR. MOY: One of the challenges that we highlight
11 on this page is the fifth bullet. It talks about
12 escalating CalPERS' role with ILPA. When you look at it
13 from a policy level and you attempt to understand
14 everything that's going on, we have transparency as a
15 goal, and we have a template that's been developed which
16 allows general partners to report the information to the
17 limited partners that's necessary to accommodate that
18 transparency need.

19 But what you don't have if you go up to the top
20 level is you don't have an organization that represents
21 the limited partners. There is no organization that
22 uniformly represents you in the private equity space. In
23 the Council of Institutional Investors, yes, there is, but
24 it's in the governance space. It's not in the private
25 equity space.

1 So when you go to negotiate with the general
2 partners, they do a divide-and-conquer routine. They have
3 you, they have themselves, and they have the vast group of
4 people that are not at the table. And they can use them
5 as point-counterpoint in terms of making deal points, in
6 terms of we want this because they got it from so-and-so,
7 et cetera.

8 If you want to correct a basic deficiency in the
9 general partner / limited partner relationship, you've got
10 to have an organization that's strengthened and represents
11 the limit partners on a uniform basis. You don't have
12 that right now. ILPA's the closest thing. But in my
13 view, it's really focused on the, lets call it, from the
14 ground up as opposed to from the top down where the policy
15 level occurs.

16 So I would encourage you as an institution to
17 escalate your involvement and attempt to move ILPA in that
18 direction. I think its new CEO is attempting to move the
19 organization in that direction. And I would encourage you
20 to support it in every way you can; because to me, that
21 really benefits you and the rest of the limited partner
22 community.

23 Okay. Let's go to strengths and weaknesses.

24 This is a very difficult chart to put together,
25 primarily because people say, well, what's important, what

1 isn't it important, et cetera.

2 --o0o--

3 MR. MOY: I think we see the strengths that you
4 all possess. I don't think they really require any more
5 enumeration. I think the Q&A that went on between you and
6 staff to me demonstrated the strengths.

7 Along the weaknesses, benchmarking's been
8 discussed. Junior investment officers have been talked
9 about.

10 Cost of participation in the asset class. You
11 were doing everything you can to bring that down. But I
12 do think there are some structural things that need to
13 occur to bring that down further; and that's to escalate
14 the class of limited partners in terms of getting
15 uniformity among the demands of the investors.

16 Opportunities. The regulatory legislative
17 oversight of private equity. I don't know what's going to
18 happen after last Tuesday. But we were observing that it
19 was diminishing, that the SEC was really not given
20 resources that were necessary to continue their level of
21 pursuit that they were using in performing audits. Which
22 is what gives rise to the idea of each limited partnership
23 having an independent CPA and attorney go in and do sort
24 of a forensic audit of compliance with the contractual
25 terms.

1 But I think you need to pay attention to that.
2 You need to be concerned about it; because it is an
3 opportunity, but it's going to require some effort on the
4 part of the limited partners, limited partner advisory
5 committees, and the staff that works on those.

6 Among the threats. Low returns I think are a
7 threat. I think many general partners will say, "Oh, our
8 returns are not going to get lower." I don't think the
9 evidence supports that. I think they are -- they are
10 diminishing. To what extent that will continue, I don't
11 know, but it is an alarming trend.

12 The fifth bullet under "Threats," the Managing
13 Investment Director succession. I guess I am particularly
14 qualified to say that you need to have a management
15 succession plan. And some people would say I'm
16 overqualified because I'm older than Réal.

17 But I do think as an institution, you need to
18 have a plan in place, because at some point in time you'll
19 need to implement it. I don't know when this is. I think
20 Réal is in -- sort of in my camp in terms of "I want to
21 keep doing this as long as I possibly can." And he's the
22 only one who can govern that. But I would encourage you
23 to be focused on that.

24 And the other question is, there are much larger
25 limited partners coming into the marketplace. Sovereign

1 wealth funds who have a very different agenda. They're
2 not as, let's call it, principle focused as you are.
3 They're much more return focused. And they recognize this
4 is an asset class where the returns are the best that you
5 can get across the asset classes. So when you get a large
6 GP, or -- excuse me -- a large LP that doesn't have the
7 same principles that you all seek, that creates real
8 difficulty in the negotiations with general partners in
9 terms of providing information, adhering to principles,
10 operating in certain ways.

11 So how that ultimately pays off or how it
12 evolves, I don't have an answer for you. But it is
13 something that I think you should be watching.

14 The last two pages we deal with are the
15 recitation of the investment police and how they apply to
16 private equity. And that's similar to what staff has
17 provided to you in their information, so I won't go
18 through it and repeat it.

19 --o0o--

20 MR. MOY: But we'll be happy to answer any
21 questions.

22 CHAIRPERSON JONES: Okay. Thank you.

23 We do have a couple questions.

24 Mrs. Mathur.

25 COMMITTEE MEMBER MATHUR: Thank you, Mr. Chair.

1 You mentioned I think in your opening comments,
2 Mr. Moy, and also on page 8 of your report, that the 30 --
3 that moving towards the 30 strategic managers may limit
4 our ability to achieve and maintain our target
5 allocations. Could you expand on that and also whether
6 you think we should continue to move in this direction of
7 limiting the number of managers to quite a low -- such a
8 low level, or if you think it's something we should
9 reconsider, you know, balancing sort of the risks of
10 having too many -- so many relationships to manage versus
11 the risks of -- the other risks that you've identified
12 here.

13 MR. MOY: I think the goal of reducing the number
14 of managers is the right direction. The problem becomes
15 one, if you just do some math, and let's say your
16 allocation is you need to have 30 billion of NAV and you
17 have 30 managers, are there 30 managers out there who can
18 effectively manage a billion dollars of NAV? I mean,
19 that's the -- right now I don't know where the cutoff is
20 in terms of how much money is being managed by your
21 limited partners. But the top five probably are the ones
22 that easily can do it. The next five probably not so
23 much. And then you go below that. So it's just a math
24 issue.

25 I think -- is it feasible? Yes.

1 Is it a goal? Yes.

2 Will you achieve it? I think 2020 is the
3 timeline for it to be executed. I just want to point out
4 that from a math perspective it is a very difficult thing
5 to achieve.

6 COMMITTEE MEMBER MATHUR: Okay. Then the other
7 thing that you mentioned -- well, you mentioned a number
8 of things, but it's this question of doing forensic audit
9 or some sort of validation of compliance with the limited
10 partner agreement terms. How costly would such an
11 undertaking be, do you think? And you -- I guess you do
12 believe that it would be worth the cost. And it would be
13 borne I think, as you -- I think you said by the fund.

14 MR. MOY: By the fund, right.

15 I've heard at a meeting where the CIO's
16 participated the answer on how costly would it be is --
17 you know, look at how much money is invested. If it's a
18 fund that's, you know, 5 billion, 10 billion in terms of
19 being managed. So you pay whatever the number is for
20 forensic stuff. It's really minuscule compared to the
21 returns that are being generated.

22 So it may -- in an absolute sense, you know, you
23 say it's a half a million dollars, or whatever the
24 numbers, I really don't know. But the ones where it's
25 then done, they've been very satisfied with the outcome.

1 And it's not something you potentially have to do every
2 year. What you try to do is supplement or augment what
3 the SEC has been doing. So as opposed to the SEC being
4 the expected enforcer, you would have a vehicle available
5 to you as a limited partner where you could, you know,
6 effectively say to a GP, "Well, this year we want to have
7 this done."

8 COMMITTEE MEMBER MATHUR: So then this is a right
9 we would negotiate as part of the --

10 MR. MOY: Yes.

11 COMMITTEE MEMBER MATHUR: -- at the outset?

12 MR. MOY: Right

13 COMMITTEE MEMBER MATHUR: -- as part of the --
14 okay.

15 Is it something that we are thinking about
16 incorporating or have already --

17 CHIEF INVESTMENT OFFICER ELIOPOULOS: I guess I'd
18 call Réal up if he wants to amplify this at all. But,
19 yeah, this is something that LP would have talked about
20 for a decade now. And it's a matter of bargaining to get
21 the agreement amongst all the LPs, and the GP to have an
22 independent -- have this right for independent auditor and
23 legal firm to come in and audit compliance. And I think
24 it's a good idea in addition to that, but --

25 COMMITTEE MEMBER MATHUR: And if we moved more

1 toward separate accounts, then we would bear the full cost
2 of that case then?

3 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

4 That's right.

5 CHIEF INVESTMENT OFFICER ELIOPOULOS: In the case
6 of a separate account, yes.

7 Réal.

8 MANAGING INVESTMENT DIRECTOR DESROCHERS: I agree
9 it would be a -- it's a good idea. I think I agree
10 absolutely.

11 It's a negotiation aspect. I mean, it's -- like
12 that was said earlier here, some of the GP today that are
13 good performers, good governance, they have so much money
14 going out there. It's -- the negotiation takes another
15 aspect.

16 COMMITTEE MEMBER MATHUR: Okay. Thank you.

17 CHAIRPERSON JONES: Okay.

18 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

19 Well, I was just going to add, Ms. Mathur, we
20 have undertaken an effort internally to create what we
21 call our waterfall review team. Where internally, we
22 actually in all of our agreements have the ability to
23 access the books and records of the GP. And that's
24 something that is included in all of our agreements. And
25 we've undertaken -- we've put together a small team. It's

1 in the process of being fully built out and sort of
2 operationalized. But we're in the process of building out
3 that waterfall review team in order to do a more
4 comprehensive job ourselves of doing that type of review
5 of all of the cash flows and the waterfalls for our
6 process, regardless of -- I still think this idea of an
7 independent auditor to come in as a partnership expense
8 would be a positive thing. But in the meantime we've
9 undertaken an internal effort.

10 CHAIRPERSON JONES: Mr. Jelincic.

11 COMMITTEE MEMBER JELINCIC: Yeah. On ILPA, I'm
12 glad you're again pointing out that it is largely funded
13 by the GPs and doesn't necessarily represent the interests
14 of the LPs; and, yes, we need to push that.

15 The due-diligence audit that you suggested I
16 think is a really good idea. But one of the things that
17 needs to be looked at is not just -- are the fees we
18 are -- are they collecting the fees according to the LPA,
19 but are they also not collecting fees that the agreement
20 doesn't contemplate or provide for? That's one of the
21 things that the SEC has hammered them on.

22 Maintain consistent investment pacing. The --
23 can you expand on that a little bit? And I will tell you
24 what's leading to the question.

25 If it is tilted to the GPs, and there is massive

1 amounts of money chasing limited investment opportunities,
2 is it in fact time to maybe step back and wait until it
3 blows up and people say, "Well, gee, I'm not getting the
4 risk-adjusted returns I was expecting and money
5 disappears"? You know, it will -- I think there will be
6 some cyclicalities to it.

7 So why the value of consistency?

8 MR. MOY: Vintage year exposure is sort of
9 paramount to a successful portfolio construction. And the
10 reason it's paramount is it gives you exposure to the
11 economic cycles over long periods of time. And the -- it
12 becomes particularly acute when you look at -- the
13 commitments that you all made in 2008 and '9, which were
14 suppressed because the financial crisis came along, the
15 cashflow issues came along, and the idea of making further
16 commitments where cash -- that would negatively impact
17 cashflow, there was a compression in the commitments that
18 were being made.

19 So we're just encouraging you to sort of maintain
20 the commitment level, achieve what you've got in your
21 pacing model. And that to us is the important component.

22 The idea that the multiples have grown and the
23 market has grown because a lot of people are rushing in, I
24 think you've got sufficient filters in your own system
25 that you are avoiding sort of the run to the finish line

1 that a lot of people are going on, where they really don't
2 care about principles, they don't care about a lot of
3 things. They just want to get their money out the door.

4 You have got a very structured approach. And I
5 think you're going to see that achieving your goals,
6 achieving in terms of making commitments is going to be
7 monitored and handled internally very well.

8 COMMITTEE MEMBER JELINCIC: Okay. The -- you
9 know, I think we have an obligation to push the industry,
10 going back to the previous discussion. I mean, corporate
11 governance would not be where it is today if we didn't
12 have a bunch of arrows in our back.

13 I can -- you know, we're all creatures of our own
14 experience. But I can remember when public equity
15 managers were at 150, 175 basis points, and we said we're
16 going to pay 50. And we moved the world. I think we can
17 move the world again.

18 Buyouts --

19 MR. MOY: I think it depends on how you define
20 "we."

21 COMMITTEE MEMBER JELINCIC: Somebody has to lead.
22 You know, you can't just say "I am the leader." At some
23 point you have to lead.

24 Again, I am troubled by the fact that we're heavy
25 in buyouts. You know, that tends to be extractive rather

1 than growth or new investments. But that's a decision
2 that's going on.

3 I have asked you in the past, Mike, about defined
4 benefits plans and the termination of it. You have had
5 difficulty identifying cases where that has happened. I
6 would like to suggest that you look at the Harvard Paper
7 where they've identified 51 cases where they've wiped out
8 defined benefit plans.

9 There may be something to learn from that. I
10 remain troubled by saying "I will fund my defined benefit
11 plan by eliminating yours."

12 MR. MOY: I believe I read a synopsis of that.
13 And if I recall correctly, I think the 51 was over a
14 fairly extended period of time.

15 COMMITTEE MEMBER JELINCIC: Yeah, it was over --

16 MR. MOY: I -- if -- implementing that kind of a
17 change, you know, would kind of be driven if there was a
18 lot of current activity where that was occurring. And
19 I -- the currency of that number is -- my recollection is
20 that it was fairly limited. But we can look at it again.

21 COMMITTEE MEMBER JELINCIC: Okay. And my last
22 question. One of the weaknesses is staff compensation
23 limitations. Can you talk about that and talk about what
24 you think we need to do in order to make that something
25 other than a weakness.

1 MR. MOY: You were around back when the
2 institution looked at the -- and I'm drawing a blank on
3 what the title of it was -- but effectively you were going
4 to insource all the commitments that were being made
5 and --

6 COMMITTEE MEMBER JELINCIC: The merchant bank?

7 MR. MOY: Merchant bank, right.

8 And compensation was kind of the killer in terms
9 of that occurring, because of the disparity that would
10 result by paying market prices to people that effectively
11 were protected by a system, and you were going to be very
12 different than everybody else in the system.

13 To the extent that you're looking at new business
14 models, I think you're going to run into similar issues to
15 deal with. And that's why I would raise the subject or
16 raise the topic and say, you know, that to us is going to
17 be a very difficult sort of bridge to cross. And it's
18 purely -- you'd be coming at the issue and coming at the
19 space from two very different directions. And reconciling
20 those two very different directions is going to be I think
21 a tough struggle.

22 COMMITTEE MEMBER JELINCIC: And yet the truth is
23 we pay those salaries anyhow. It's just that it's
24 subpaying it to our employees. We pay it to outside
25 folks.

1 Thank you.

2 CHAIRPERSON JONES: Yeah, thank you.

3 Yeah, a comment on J.J.s comment about -- I guess
4 he was referring to CII, your comment about trying to find
5 a trade association to help push this agenda item. And as
6 you know, CalPERS was one of the founding members of CII,
7 and a number of us on the Committee have participated in
8 their annual meetings. And so it's the membership that
9 helped -- or can drive what you want this organization to
10 do.

11 And so I would, you know, like to ask Ted to
12 think about, and also Matt and Marcie, to think about how
13 that may work out where we want to put something on the
14 table for CII in that regard of identifying this whole
15 ILPA issue to push that, because it's the membership that
16 determines what they do. And we've been a very vocal part
17 of that membership. And matter of fact, recently we've
18 required that -- requested that they have individual
19 training for trustees, which they hadn't done before. And
20 so now they're doing that at these meetings.

21 So I'd just like to get a feel for what those
22 members think about that and what are the pitfalls or
23 something.

24 MR. MOY: We looked at that very superficially.
25 Because when we started focusing on the issue about a year

1 ago, we started looking around and saying, "Where's the
2 place that made the most sense?" And CII is so focused on
3 governance, and our conversations with some of the people
4 that were involved in CII was they weren't sure that
5 trying to diversify their focus was in their best
6 interests. Which is why we -- we promote the idea of
7 ILPA.

8 CHAIRPERSON JONES: Yeah, but -- but I'm talking
9 about the members' best interests now rather than
10 organization.

11 MR. MOY: I understand.

12 CHAIRPERSON JONES: Yes, Ted.

13 CHIEF INVESTMENT OFFICER ELIOPOULOS: I find it
14 always good to reflect and look at what partnerships --
15 web of partnerships we have, you know, to try and progress
16 our goals. I think one of the challenges at finding a
17 forum, whether it's CII or any other hundred percent LP
18 forum, to get together and negotiate better fees in terms
19 of conditions and private equity is an anti -- is the
20 antitrust laws.

21 So, you know, we would want to work very closely
22 with our General Counsel. One of the reasons that
23 CalPERS, among other LPs - and CalPERS led the formation
24 of ILPA - was to have a forum that did have both GPs and
25 LPs so that, among other things, it wasn't constituted to

1 actually negotiate terms and conditions. And certainly if
2 there were best practice templates to be developed, it
3 would be a joint exercise. So antitrust laws would be
4 something we'd have to keep our eye on.

5 CHAIRPERSON JONES: Thank you. That's why I
6 asked the question. Okay.

7 Okay. Ms. Taylor.

8 COMMITTEE MEMBER TAYLOR: Yes, thank you.

9 I wanted to thank you, Mr. Moy. I love these
10 recommendations. I'm very impressed at your report and
11 all of these recommendations. And to kind of piggyback on
12 what J.J. and Henry were talking about, somehow or another
13 I see how we have to have an organization like ILPA or
14 CII - but I hadn't thought about CII, but it's a good
15 idea, - to help us have that leverage we need, because I
16 just think it's very interesting that we're in -- we're on
17 the cutting edge of this, so much so that I think we've
18 put ourselves in a situation where it makes it difficult
19 for us to continue to invest and get great returns like we
20 are. So I think that as we try to increase our leverage,
21 it's a great idea to figure out a way to do that, however
22 we want to do that.

23 And I don't know the answer to that. But you
24 know, whether that's in -- looking into CII or ILPA or
25 however that is, I would be interested in seeing that

1 happen.

2 And then, lastly, the only other thing I was
3 going to talk about is the risk I'm very happy that we are
4 being so transparent with private equity. But the risk
5 that we've put our -- the situation we've put ourselves
6 in, which is being unable to get the best deals, concerns
7 me considering this is one of our best performing asset
8 classes. So I wonder if we could just talk about that a
9 little bit. Are we -- is this as -- are we seeing
10 a direct -- the rest of institutional investors and others
11 moving in the same direction we are? Are we the only ones
12 out there kind of hanging out there by ourselves. And so
13 that's what I'd like you to talk about a little bit.

14 MR. MOY: I would say you are in a leadership
15 position. And to use the analogy that J.J. used, you
16 know, the arrows are coming and they're going to get you
17 in the back. There are others that are -- you know, are
18 not of the same, let's call it, size and importance that
19 are sort of alongside of you. But you're the biggest
20 target. And the issue is it's -- I think it's very early
21 stages in terms of getting some place. You can tell by
22 the number of groups that have endorsed the principles,
23 you know, that it's really -- to me it's nascent stages.

24 So I think it's an issue of being consistent and
25 going after what you're seeking and being vocal about it

1 in a way that's leadership oriented as opposed to any
2 other way.

3 So it's a -- to me it's a long race, it's a
4 marathon. It's not something that's going to be done in a
5 mile or 2 miles or 3 miles. This is a marathon.

6 COMMITTEE MEMBER TAYLOR: So you're basically
7 saying patience, number one.

8 And as we go forward and we are the leading voice
9 in this, are we -- are we looking at whether or not that
10 organization that we create, is that going to be our
11 organization since we're the -- you know, the standard
12 bearer at this point?

13 MR. MOY: I would encourage that that not be the
14 case.

15 COMMITTEE MEMBER TAYLOR: Okay.

16 MR. MOY: I believe it -- you need to have a
17 group of people who are willing to lead it. But it's
18 purely to represent the entire population of limited
19 partners. I think to the extent that it gets focused on a
20 group of public pension plans or private pension plans, I
21 think that would be a mistake tactically or strategically.

22 COMMITTEE MEMBER TAYLOR: Right.

23 MR. MOY: It needs to synthetic across the entire
24 limited partner community.

25 COMMITTEE MEMBER TAYLOR: Okay. Great.

1 And that would make sense considering I think it
2 was mentioned earlier that you -- one of the problems we
3 run into is limited partners with a total different view
4 of how this should be done. So I appreciate that. Thank
5 you.

6 MR. MOY: You're welcome.

7 CHAIRPERSON JONES: Okay. Mr. Lawyer.

8 ACTING BOARD MEMBER LAWYER: Yeah, I just wanted
9 to point out regarding the consideration of an independent
10 auditor to look at limited partnership agreements. I just
11 wanted to point out that CalSTRS has been looking into a
12 similar auditor. So it could be some valuable lessons
13 learned from those efforts.

14 And then I thought Mr. Moy made a really
15 compelling case for the need for a limited partners
16 association. But I was kind of curious of what we as a
17 board could do to kind of help foster that. I know we've
18 touched on it to a certain extent.

19 MR. MOY: I think we've progressed pretty
20 substantially today with the directive from the Chair to
21 start looking at stuff.

22 Because to my knowledge, I don't see involvement
23 and I don't hear of involvement from the governing bodies
24 of the limited partners that are involved in it. It's
25 a -- it's for the most part purely staff driven. And

1 they've been so focused on the transparency question
2 because that's where all of the notoriety and the
3 publicity has occurred. So it's really focused on from a
4 ground up. And starting to look at it from the top down
5 is kind of a fresh approach to what's going on.

6 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

7 Wylie Tollette, CalPERS staff. I'll just make a
8 couple of quick comments on that end.

9 In terms of forensic auditing, CalPERS does
10 occasionally contract with forensic auditors to do
11 specific reviews. You might be aware of that. We've to
12 date -- they're expensive. So to date we've targeted them
13 at specific funds where we feel that's appropriate.

14 And then the second comment relative to sort of
15 the creation of a -- a limited partner group, antitrust
16 considerations sort of notwithstanding. In the interim
17 your staff has been undertaking quite a significant effort
18 to work within ILPA. Actually Mike and I work with the
19 ILPA framework with other limited partners. Mike and I
20 happened to be in a -- at a meeting of many state plans in
21 Milwaukee earlier in the fall. And then I have gone to
22 four other different meetings of limited partners,
23 including limited partners from the private sector pension
24 industry, in Washington D.C., with ILPA's CEO in October,
25 really in an effort to bring more limited partners on

1 board the new ILPA template, and to really drive the
2 transparency agenda. Mike is exactly right, that that's
3 been our focus. But we feel like from that transparency
4 effort really a lot of other good things will occur in the
5 private equity industry.

6 So the fact that we did not have an October
7 meeting -- board meeting, we took advantage of that and
8 really went out and really started to canvass other
9 limited partners so that we can bring more people along
10 with CalPERS, because this -- as Mike points out, we're
11 very much in the leadership position. And so if we're
12 going to take arrows, we want some company.

13 Thank you.

14 MANAGING INVESTMENT DIRECTOR DESROCHERS: I would
15 like, if I may, to add also that -- to your point,
16 Ms. Taylor. The industry is changing I think fairly fast
17 over the last, I would say, 2, 3 years, because there were
18 the SEC findings, and there is regulatory change. I don't
19 what's going to be coming. But there is an adoption also,
20 the good -- I would say the very good GP that I call in
21 terms of performance, and people that want to grow their
22 business are moving to have better governance
23 transparency. People understand that. And ESG people
24 understand that. I think there's a move.

25 There's a -- people that we probably will never

1 invest with, but that's okay. I think if we have
2 enough -- and we have enough good managers that we can be
3 with that wants to have CalPERS as a partner with our
4 requirement -- and I always say we come with baggage. We
5 have -- and people -- I mean, we get there -- our
6 element -- the point is the industry is changing. They
7 were under pressure from the SEC. That we -- people
8 understand, many people, many good managers really
9 understand that and are changing their practice in my
10 view.

11 CHAIRPERSON JONES: Mr. Jelincic.

12 COMMITTEE MEMBER JELINCIC: You know, we're
13 getting good returns at least currently. One of the
14 weaknesses is we're not really aware of the risks we are
15 taking, so it's kind of hard to say we're getting good
16 risk-adjusted returns. You can't adjust them if you don't
17 know what the risks are.

18 You raised the issue of antitrust. Quite
19 frankly - I have said it before - I welcome the GP who
20 wants to sue me because I'm not letting them rip off the
21 taxpayers enough.

22 But my question is for ILPA. Would it be helpful
23 to have trustees attend in terms of escalating just the
24 level of --

25 CHIEF INVESTMENT OFFICER ELIOPOULOS: I think

1 your Governance Committee is taking up this very topic of,
2 you know, all the pros and cons of -- and ramifications of
3 board and -- you know, Board member -- CalPERS Board
4 member involvement with different associations on a board
5 level and otherwise. So I think that's probably a good
6 forum to have that discussion.

7 I do think in this arena, you know, CalPERS is,
8 you know, anywhere from 1 -- you know, 1 percent, 2
9 percent of the overall capital in this marketplace. And
10 on the list of the top 20 LPs in the world investing in
11 private equity, you know, we've gone -- I'm trying to
12 recall our workshop -- we've gone from being one of the --
13 you know, 1 or 2. Were down -- I think we're still
14 clinging into the top 10. We're at 8, but that -- I
15 expect that to go down. So we have less and less
16 influence.

17 And so I think we -- I think the ILPA association
18 is -- has some drawbacks, but it has some real strengths
19 to it. And the current framework of having your
20 investment professionals interact with our counterparts at
21 ILPA to work on these transparency issues is working well.
22 I mean, that's my -- that's my answer.

23 COMMITTEE MEMBER JELINCIC: And I was thinking
24 well beyond CalPERS. I mean part of what made CII get
25 going and become the organization it was was heavy trustee

1 leadership at the involvement early on. Over times it's
2 shifted to a largely staff-dominated organization.

3 But, you know, part of its initial implementation
4 was, you know, Jesse Unruh getting offended when Boone
5 Pickens decided to hang up on him. And so Jesse's next
6 call was to New York.

7 And so it's -- in that broader context, would it
8 help elevate the whole level of discussion to get board
9 members involved, not necessarily just PERS?

10 CHIEF INVESTMENT OFFICER ELIOPOULOS: Do you want
11 me to take a second chance in answering that or --

12 COMMITTEE MEMBER JELINCIC: Sure.

13 MR. MOY: Ted, let me help you out a little bit.

14 CHIEF INVESTMENT OFFICER ELIOPOULOS: Well, no,
15 I --

16 MR. MOY: ILPA is -- the CEO, the new one, he's
17 just in -- he's been in place a year now. His strategic
18 plan in his 2015 annual report shows that he would like to
19 expand their educational component, which is pretty
20 substantial, which they typically have done for staff
21 people and people in the accounting function and
22 elsewhere. He wanted to see it expanded to CIOs and
23 trustees. That's his strategic plan.

24 So they recognized that they have been focused on
25 sort of the reporting function as opposed to the policy

1 function. And they want to, I think, upgrade it.

2 COMMITTEE MEMBER JELINCIC: Thank you.

3 CHAIRPERSON JONES: Mr. Costigan.

4 COMMITTEE MEMBER COSTIGAN: Okay. Well, I had
5 several points. First of all, working in reverse order.

6 I certainly hope ILPA is watching and listening.
7 And maybe at some point the new CEO could pay us a visit
8 and explain what he's going to be working on. So that's
9 one way to get their attention.

10 The other is, I will respectfully disagreed a
11 little bit, Ted. I don't think we have less influence. I
12 think at the end of the day -- I think sometimes sitting
13 in Sacramento we do forget. And it gets a little hard
14 when you constantly seem to be taking the incoming. But I
15 mean, people look to you guys. I mean you set -- you're
16 the gold standard. It may be that the amount of dollars
17 dropping. But they don't have the microphone, they don't
18 have the influence that you do. So I don't want you to
19 lose sight, where dollars may be shrinking, your volume
20 and your voice are not lost.

21 And I think you -- again, look at the stuff that
22 Ms. Simpson and others have done, what you've effected
23 change in the Board room. I mean, you can say the same
24 thing, we only own the weighted average of companies, yet
25 they still -- they parade over here constantly to see you

1 and your staff, and they listen to what we say. So, you
2 know, you might only own X percent -- 2 percent of a
3 company, but you get their attention when you partner with
4 others.

5 So I just want to say, I think often times we
6 don't tell you enough, your voice is very strong. Don't
7 lose site on that.

8 The other point just is I'm trying to understand,
9 and as I was looking at the DOJ's website, I don't get the
10 antitrust. We're not a competitor. I don't understand,
11 how is there antitrust associated where we're a government
12 agency? So when we talk -- and I know Mr. -- General
13 Counsel, that this is probably putting you on the spot.
14 But I don't -- I mean, we're batting it around. But when
15 I look at it, Mr. Jacobs, I don't see -- we're a
16 government agency. We're not a compet --

17 CHAIRPERSON JONES: Mr. Costigan, can we give
18 them a chance to look at that issue rather than trying to
19 respond. I know in --

20 COMMITTEE MEMBER COSTIGAN: Well, I'm just
21 curious because we've been throwing it around.

22 CHAIRPERSON JONES: Yeah, I know.

23 COMMITTEE MEMBER COSTIGAN: And I'd like to know
24 what's the basis for why we think we are governed by the
25 Sherman Act. I mean --

1 GENERAL COUNSEL JACOBS: Well, the --

2 CHAIRPERSON JONES: Go ahead.

3 GENERAL COUNSEL JACOBS: Do you want me to
4 address that very briefly?

5 CHAIRPERSON JONES: Okay.

6 GENERAL COUNSEL JACOBS: This is Matt Jacobs,
7 General Counsel.

8 We are. We are governed by the Sherman Act. And
9 the concern would be some kind of deal or agreement that
10 we would make with other LPs, both public and private. We
11 are not exempted from the Sherman Act because we are a
12 public agency. It provides us certain defenses. But, you
13 know, once you're getting into the -- once you are into
14 the defenses, you've already kind of gone pretty far down
15 the road. So...

16 COMMITTEE MEMBER COSTIGAN: And I understand -- I
17 would like, Mr. Jones, further discussion why --

18 CHAIRPERSON JONES: Sure.

19 COMMITTEE MEMBER COSTIGAN: -- on it, because I
20 don't want that to be a blanket that we're hiding behind
21 and we can never have a conversation. Because then we --
22 there's any leverage. I just --

23 GENERAL COUNSEL JACOBS: Oh, we can definitely
24 have conversations.

25 COMMITTEE MEMBER COSTIGAN: I'm sorry?

1 GENERAL COUNSEL JACOBS: We can definitely have
2 conversations.

3 COMMITTEE MEMBER COSTIGAN: Well, I know. I just
4 don't want this blanket that we can't have it because -- I
5 mean, we need to have a further discussion. So I don't
6 want to make it as a definitive statement that it's going
7 to prevent us from having sort of the conversations
8 Ms. Taylor and others raised about getting ILPA's
9 attention.

10 Thank you, Mr. Jones.

11 CHAIRPERSON JONES: Yeah, that's right,
12 Mr. Costigan, because that's one of the items. There may
13 be some others after Ted and Marcie and Matt get together
14 to respond to our original direction. So that certainly
15 would be one of the items to -- for them to bring back.
16 Okay?

17 Okay. Thank you.

18 Okay. I think that's it --

19 MR. MOY: Thank you.

20 CHAIRPERSON JONES: -- on this item.

21 So now we will move to Item C on the 8, Program
22 Review, and that's Real Assets Annual Program Review.

23 CHIEF INVESTMENT OFFICER ELIOPOULOS: Do you want
24 start with the real assets now or break for lunch? What
25 is your pleasure?

1 CHAIRPERSON JONES: No, we're going to go with
2 that.

3 (Thereupon an overhead presentation was
4 Presented as follows.)

5 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: Good
6 afternoon. Paul Mouchakkaa, Managing Investment Director
7 for the Real Assets unit. It's a pleasure to be here, as
8 always. I'm joined by three folks from the real assets
9 team: Mike Inglett, an Investment Manager in the
10 Portfolio Analytics Research and Risk Group; Ed Yrure, an
11 Investment Director in the New Investments Group; and Beth
12 Richtman, an investment manager in the Portfolio
13 Management Group.

14 The outline for our presentation today is quite
15 simple. I will go over what we've been working on, the
16 performance over the last year. Mike will discuss a more
17 granular review of each of the individual programs, the
18 forestland, real estate, and infrastructure. And then
19 Beth Richtman and Ed Yrure will discuss our summary of
20 accomplishments and our current initiatives.

21 In short, if I were to just, you know, slap a
22 headline down, "Measurable Progress has been made within
23 Real Assets Group," the three programs in the past year
24 have been integrated into really one unit with one
25 strategic plan and one role that the Board approved in

1 April of 2016.

2 We've been very busy. And we've been operating
3 in a market environment for real assets that I would
4 characterize with three general broad themes:

5 First, the demand and competition for real assets
6 is fairly fierce and intense, largely driven by the
7 low-yield environment; and in particular cash-yielding
8 assets are really in favor.

9 The second element I would highlight is that the
10 supply or new supply of product has been largely in check.
11 You don't see a lot of development, which is meant. But
12 fundamentals -- space fundamentals have been either stable
13 or strong in the various sectors.

14 And then the last point, a recurring theme that
15 we've heard many times, is returns have been very strong
16 for the past five years but they are beginning to
17 moderate. And you can see that in our portfolio and in
18 our benchmark over the last year.

19 One big lesson we learned in the last cycle was
20 that going up the risk curve when you're in the middle or
21 late part of the cycle - I'll avoid any baseball
22 analogies - but it can be a very dangerous and tempting
23 game. Tempting from the point of view of, boy, it'll be a
24 lot easier to invest and deploy capital. Dangerous
25 insofar that it will create a lot more vintage year risk

1 to the system.

2 Thus the main focus for our staff has been to
3 de-risk the portfolio over the last year. Really
4 premising that on Investment Belief No. 7.

5 --o0o--

6 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: So how
7 have we done, As I've said about measurable progress being
8 made?

9 One key element that we worked on over the past
10 year was the secondary sale of our legacy commingled
11 funds. The size and scale of that approximated about \$3
12 billion and resulted in a decline of manager relationships
13 within real assets from 58 when I sat here a year ago to
14 32 today.

15 This very much synchs up with the Vision 2020
16 Plan to reduce complexity and risks to the system.

17 The benefits we hope will be shown in the future.
18 However, we did take short-term pain in the previous
19 fiscal year. And it meant that we missed our benchmark,
20 turning in approximately a 6 percent return versus an 11
21 percent benchmark return within real assets.

22 Infrastructure was a great bright spot, turning
23 in a very solid and strong return.

24 Forestland struggled and it continues to
25 struggle. However, Mike and Ed will discuss some of the

1 actually positive news that we've gotten out of the
2 Forestland Program in the last year.

3 And then real estate turned in actually a very
4 strong and solid 7 percent return, although well below its
5 benchmark. The attribution as to why we missed the
6 benchmark was really driven by the non-core exposures and
7 the aforementioned secondary sale. Our core portfolio
8 however did perform very well in the past 12 months.

9 I want to also highlight that all the returns
10 presented here are net of all fees and expenses, both
11 internal and external. When you cut across all the real
12 assets' three individual programs, our fees and expenses
13 across the board approximate about 144 basis points. That
14 is about 78 basis points lower than last year, largely
15 driven again by that secondary sale eliminating the higher
16 fee model in the commingled funds.

17 The main bright spot, and we kind of circled it
18 here on this chart, is the long term. In a private asset
19 class the long term is really the main focus. And over
20 the past five years, after the adoption of the 2011
21 Strategic Plan for Infrastructure and 2011 Strategic Plan
22 for Real Estate, I want to highlight that infrastructure,
23 real estate, and real assets all beat their individual
24 benchmarks and the total benchmark.

25 --o0o--

1 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: I also
2 don't want to gloss over the importance of that strategic
3 plan that the Board and the staff embarked upon five years
4 ago. One of the main things that came out of it was
5 really clarifying, defining a role that real assets can
6 play within the large composite CalPERS portfolio. And
7 with any private asset class, it takes significant amount
8 of time, energy, and focus to effectuate change, as we've
9 been discussing even earlier this morning. And the value
10 of governance and controls is one that's very hard to
11 measure in a single number, but the size and the scale and
12 complexity of CalPERS is an important element to have.

13 Looking at our report card - so this is sort of
14 what we put together as our report card - of the three
15 tenets of the role of real assets, being stable cash
16 yield, inflation protection, and diversification of equity
17 risk.

18 I want to highlight in the table just a few
19 points. First on the cash yield in the top part of the
20 slide, you can see that a large transformation in the cash
21 yield from 2011 to 2012, from a meager 0.6 percent to a
22 fairly solid 3.7 percent, and actually comfortably above
23 our benchmark income return. This was largely driven by a
24 near doubling of the core exposures in the Real Assets
25 portfolio.

1 Second, the role of inflation protection has also
2 been a transformational item for the Real Assets
3 portfolio. In the early stages after our last -- our 2011
4 strategic plan, we had negative appreciation, or
5 depreciation; and that has now transformed into
6 appreciation. And those numbers are not annual numbers.
7 Those are five-year rolling numbers, which is a
8 longer-term view.

9 Lastly, the diversification of equity risk is
10 another key part of our role. And over the last five
11 years, we've had relatively low volatility and a low
12 correlation to our global equity benchmark.

13 So I will now pass it off to Mike Inglett. He
14 will give a more granular review of each of the individual
15 three programs.

16 INVESTMENT MANAGER INGLETT: Okay. Thank you,
17 Paul. And good afternoon, members of the Board. My name
18 is Mike Inglett. I am an investment manager in the Real
19 Assets unit. I'm going to review with you the Real Assets
20 portfolio positions for each of the programs.

21 Private investments in real assets are illiquid
22 in nature, and are typically evaluated over long periods
23 of time. As Paul mentioned in its opening, one key goal
24 that we have made is considerable progress in lowering our
25 total manager number. Over the last five years, we have

1 also made significant progress in repositioning the Real
2 Assets portfolio. Some important shifts that have taken
3 place include: Number 1, growing our core exposure; 2,
4 increasing our income returns; and, 3, lowering our
5 leverage loan-to-value percentage.

6 --o0o--

7 INVESTMENT MANAGER INGLETT: These things --
8 these changes have led to a significant shift in our risk
9 positioning of the Real Assets portfolio.

10 Now that I have briefly touched on a few of the
11 significant five-year changes in the portfolio, we can
12 turn to slide 4 to discuss the portfolio position changes
13 over the last fiscal year.

14 For presentation purposes, I will go across each
15 row to elaborate on the three distinct programs: Real
16 Estate, Infrastructure, and Forestland.

17 First for real estate. A large portion of the
18 shift in increased core exposure occurred during fiscal
19 year '15-'16. It was primarily driven by the \$3 billion
20 commingled fund secondary sale of non-core assets combined
21 with the purchase of several large core assets during the
22 year.

23 The appreciation of real estate assets
24 underperform the real estate benchmark. This
25 underperformance was attributed to the commingled fund

1 secondary sale and our international market holdings. On
2 a positive note, for our real estate returns, the income
3 return was strong and did outperform the real estate
4 benchmark.

5 Going over to leverage, the loan-to-value
6 percentage was relatively unchanged for the year.

7 Due to the large secondary sale we were overall
8 net sellers during the fiscal year. But we're still
9 active in the market with several large acquisitions. We
10 have also improved the governance over the course of the
11 past fiscal year. Real estate already had a solid
12 governance structure in place with the majority of the
13 partnerships in the separate account model. Our achilles
14 heel was our lack of governance in the commingled funds,
15 which have now been predominantly sold off through the
16 secondary sale.

17 We are now in a stronger and improved governance
18 position overall in the Real Estate portfolio compared to
19 last year.

20 Proceeding to infrastructure, we had a very good
21 one-year performance, return beating the benchmark by 410
22 basis points. There were both strong valuation growth and
23 solid income returns that were derived from the
24 Infrastructure portfolio.

25 It should be noted that the loan-to-value

1 percentage did take up slightly during the year. Finally
2 we have been an active participant in the infrastructure
3 market. This past year the NAV grew by 18 percent, from
4 2.2 to 2.6 billion.

5 Moving to forestland. Last year during the
6 annual program review, we presented to the Board that
7 Forestland Program was under review. It is still
8 currently under review, and will be further evaluated as
9 CalPERS goes through the upcoming asset liability
10 management process.

11 With that said, through the work of staff this
12 past year, we have made significant progress in gaining
13 higher governance, better controls, and added flexibility
14 in the Forestland portfolio.

15 Moving forward, we will continue to manage the
16 portfolio and look at ways to optimize and improve the
17 program returns and value.

18 I'm now going to pass it over to Ed Yrure and
19 Beth Richtman, who will discuss the real assets fiscal
20 year '15-'16 accomplishments and the fiscal year '16-'17
21 initiatives.

22 INVESTMENT DIRECTOR YRURE: Thank you, Mike.

23 --o0o--

24 INVESTMENT DIRECTOR YRURE: Good afternoon,
25 members of the Board. Ed Yrure, Investment Director, Real

1 Assets. I'm going to review fiscal year-end
2 accomplishments as well as current fiscal year initiatives
3 in three key areas: 1, organization and governance; 2,
4 portfolio repositioning; and, 3, alignment and cost. Each
5 of these are highlighted on pages 5 and 6 in the
6 presentation before you.

7 We came to the Board a year ago, and we were in
8 the early phases of merging infrastructure and forestland
9 together with real estate to form the Real Assets unit.

10 We are now a year into that effort, and the three
11 programs have effectively come together and overall the
12 integration has gone well.

13 The team continues to be dedicated to the role of
14 real assets and achieving the objectives consistent with
15 the Total Fund's expectations of constructing a portfolio
16 that provides diversification of equity risk; inflation
17 protection; and delivers a stable, predictable cash yield
18 to the system.

19 In addition, staff brought forward in April a
20 strategic plan that reinforced: 1, our role; 2, our
21 continued focus on core investing; and, 3, a
22 tried-and-tested business model with governance and
23 alignment with our partners.

24 Our focus is now to align with the integration of
25 our organization and to manage the portfolio at the real

1 assets level, subdividing it into segments.

2 Real assets also brought forward to the Board in
3 June a revised policy and delegated authority which was
4 approved in its second reading in August of this year.

5 --o0o--

6 INVESTMENT DIRECTOR YRURE: Continuing with
7 organization and governance, our initiatives this fiscal
8 year following the adoption of the strategic plan, the
9 team launches segment planning effort, with a goal to
10 complete the evaluation and the implementation plans for
11 select segments by the end of this fiscal year.

12 Further, Mike's team is hard at work at updating
13 the AREIS system and our databases to accommodate
14 portfolio hierarchy integration across real assets.

15 Lastly, the ALM workshop will kick off in 2017.
16 The real assets team is looking forward to the opportunity
17 to review its benchmark and its target allocation.

18 With regard to portfolio repositioning
19 accomplishments, you have heard us mention a few times the
20 large secondary sale served to lower our manager count and
21 further increase our percentage of core holdings.

22 Earlier, Mike touched on the fact that we are net
23 buyers in the Infrastructure portfolio, and
24 infrastructure's NAV grew year over year. One of the
25 transactions closed was the purchase of our first

1 renewable solar plant in Southern California. We also
2 closed two transactions in a transportation space this
3 fiscal year, further increasing our exposure to
4 infrastructure.

5 As a result, these acquisitions bring the
6 Infrastructure Program to its interim target allocation
7 and demonstrates our commitment to investing in
8 infrastructure.

9 In terms of initiatives, I touched earlier on
10 segment planning. It is this effort that establishes the
11 direction of the strateg -- for implementing -- excuse
12 me -- the plan within underlying real estate,
13 infrastructure, and forestland sectors.

14 Moving on to alignment and costs. As you know,
15 with private real asset investments we rely heavily on
16 external managers to execute a large portion of our
17 investment activity, which means alignment and costs are
18 absolutely critical. This points directly to Investment
19 Belief No. 8, Cost Matters, and to INVO 2020 Vision
20 statement that says, "We seek alignment of interests with
21 our primary stakeholders, with our business partners, and
22 ourselves."

23 First, what we accomplished earlier this year was
24 to strengthen the operating platform in our industrial
25 portfolio. We discussed this with the Board in December

1 Beth Richtman, Real Assets Investment Manager.

2 This has been a big year for our ESG integration
3 effort. We completed our manager expectations pilot and
4 then we revised our sustainable investment practice
5 guidelines according to what we learned during that pilot.

6 Then we took those sustainable investment
7 practice guidelines and we put them into our procedures
8 manual. This makes them part of the fabric of how staff
9 does everything, from manager selection to contracting to
10 asset and manager monitoring.

11 As you know, CalPERS is a co-founder of GRESB
12 infrastructure, which is a sustainable investment
13 performance benchmarking and monitoring tool focused on
14 infrastructure assets.

15 We recently completed our first survey year of
16 our infrastructure assets and we're evaluating the
17 results.

18 GRESB actually started out focusing on real
19 estate. In this past year, after careful review and
20 discussions with our real estate managers, we decided to
21 start using the GRESB platform for our real estate assets
22 as well. Our managers will start reporting into the GRESB
23 platform in 2017. This will enable real assets to have a
24 single tool for comprehensive ESG monitoring and
25 benchmarking across our whole portfolio.

1 Now I'd like to talk to you about another ESG
2 initiative for real assets. In August the Investment
3 Office senior management presented the Investment Office's
4 five -- ESG Five-Year Strategic Plan. One aspect is
5 research. In line with that plan, I'm pleased to report
6 that real assets has launched an energy optimization
7 initiative. This initiative is researching options for
8 our Real Estate portfolio, including energy efficiency,
9 demand response, and on-site renewable energy generation.

10 We have an energy optimization kick-off
11 roundtable in September, bringing in a diverse group of
12 our managers and also some outside industry experts. We
13 discussed the landscape of opportunity and what our
14 managers are already doing related to energy optimization.

15 Our managers are actually doing some pretty
16 innovative things, from offering Los Angeles's first
17 net-zero apartment rentals, to using sensors to optimize
18 their energy use in the buildings based on actual tenant
19 use of energy, to collaborating with the utilities to
20 lower building energy use at times of peak energy demand
21 for the system.

22 We're currently considering all the input we've
23 received and working on a plan for the path forward for
24 this initiative.

25 This energy optimization initiative is important

1 for real assets. We think it fits well with Investment
2 Belief No. 4, as we believe that economically and
3 environmentally optimizing our energy use is effective
4 management that will create long-term value for our Real
5 Assets portfolio.

6 Now, turning to the Emerging Manager Program. We
7 are in the fourth year of the program. It's going well so
8 far, and we allocated additional capital in this fiscal
9 year. As part of that new allocation, our mentoring
10 manager is evaluating the addition of new emerging
11 managers to the existing pool.

12 Now back to Paul Mouchakkaa for closing thoughts.

13 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: Thank
14 you, Beth.

15 So in conclusion, it has been a very eventful
16 year within the real assets team across all facets: The
17 organization, our strategic planning efforts, our policy
18 and procedures, our ESG and emerging manager efforts,
19 focusing on fee reduction, and obviously the management
20 and positioning of our Real Assets portfolio.

21 The IC has a strong and dedicated team within
22 real assets. Looking ahead, our goal is to continue to
23 deliver on the role of real assets as prescribed by the
24 Investment Committee and to contribute to the strategic
25 objectives of the CalPERS fund and greater organization in

1 a positive manner.

2 The staff and the Board consultants are all
3 working very hard to reflect and implement the investment
4 beliefs the Investment Committee designed and developed as
5 the foundation.

6 We're all happy to take any questions.

7 CHAIRPERSON JONES: Okay. Thank you very much
8 for the presentation.

9 Mr. Lind.

10 COMMITTEE MEMBER LIND: Thank you.

11 Paul, you mentioned that there was going to be
12 some good news with respect to forestland. And I guess
13 that was the improved governance and controls.

14 How do we think that might lead to a positive
15 return? Which I don't think I've seen in the four years
16 that I've been here. And if not, when do we decide that
17 forestland goes the way of our Legacy of Real Estate
18 portfolio?

19 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: Well,
20 it's go -- as I mentioned in my comments, governance is
21 something that is critical in the management of private
22 real assets. And as I said, it's very hard to put one
23 specific number on it. But one of the more frustrating
24 aspects in managing our Forestland portfolio has been a
25 lack of control that we have had in effectuating some of

1 what we want to do going forward.

2 The staff has worked very hard to gain
3 significantly a greater amount of control on a couple of
4 the holdings within the Forestland portfolio.

5 In terms of what we will do in terms of going
6 forward. As we mentioned, we're still reviewing it, and
7 it will be covered in the asset we're working with Eric
8 Baggesen and his team. We're discussing it at the ISG
9 level, we're discussing it internally within real assets.

10 No matter what it is, we will always work to
11 optimize the value of any holding we have. And that was
12 exactly the same premise that we followed in working on
13 any of our second -- through the secondary sale. Had we
14 not optimized the value of that, we wouldn't have gone
15 forward.

16 COMMITTEE MEMBER LIND: I appreciate that. But
17 can you just give some sort of anecdotal example of how
18 increased control might lead to a better return for us? I
19 mean, what's a real-life example of that?

20 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: A real
21 example may be controlling the sale of an asset. Where we
22 may feel it is an appropriate time to exit something or
23 potentially even deleveraging an asset, it may be the
24 right time to actually pay off debt.

25 By having that type of control can effectuate a

1 better investment return.

2 COMMITTEE MEMBER LIND: Okay. Thanks.

3 CHAIRPERSON JONES: Okay. Mrs. Mathur.

4 COMMITTEE MEMBER MATHUR: Thank you.

5 Well, it certainly feels like we're moving in the
6 right direction. And I appreciate sort of the
7 thoughtfulness in the -- with which you're approaching the
8 program and sort of avoiding some of the -- as you put it,
9 the tempting and dangerous draw of seeking more risk. I
10 think that's something we need to -- that I think is
11 actually -- I see it across the whole Investment
12 portfolio, and I think it's really wise caution that's
13 being exhibited.

14 My question is about agriculture. And as you're
15 looking at forestland, are you also considering
16 agriculture?

17 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: So as
18 Ed Yrure touched upon, we're doing our segment planning.
19 It's a -- it's going to take us a little bit of time to
20 work through the six segments that we've redesigned our
21 portfolio. And the purpose of that segment planning is
22 really to look at -- so, for example, our essential
23 bucket, which agriculture would fall in, as well as
24 forestland or power investing, energy utilities.

25 And really first and foremost is to scour what is

1 the universe of options for CalPERS to invest in and what
2 is the institutional quality of that individual strategy
3 or individual segment?

4 And we want to make sure that no matter what we
5 do, it is in line with the Vision 2020 formulation or
6 strategy. And one of those key principles is that
7 anything we do will have to be repeatable, predictable,
8 scalable strategy. It has to matter.

9 But we're not that far -- we haven't gone down
10 the road yet in terms of doing our essential bucket at
11 this point in time, but it is on the to-do list.

12 COMMITTEE MEMBER MATHUR: Okay. Thank you.

13 CHAIRPERSON JONES: Mr. Jelincic.

14 COMMITTEE MEMBER JELINCIC: Well, Paul, I think
15 the real headline should have been "Returns get much
16 better when '08 and '09 fall off the chart."

17 But I have a couple of questions and an
18 observation. Infrastructure. One of the things that I
19 know you've looked at, because I've asked about it, is
20 becoming the take-out person for a lot of these
21 partnerships that are, you know, reaching the end of their
22 lives, particularly some of the infrastructure and power
23 in the African continent as that's developed. I noticed
24 we don't have any. Can you talk a little bit about the
25 difficulty in doing that and what progress we may or may

1 not be making.

2 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: So
3 first, we have one of the transportation investments that
4 Ed Yrure touched upon was a take-out. Actually it was a
5 take-out that we got syndicated into.

6 But we have -- our infrastructure team has been
7 consistently looking at various exits. Some fit, some
8 don't fit. And in terms of investing in emerging markets,
9 it's in our bucket. But right now the opportunity set
10 that you see in infrastructure have primarily come from in
11 the power space within the United States, and then
12 significantly a more broad array in different segments or
13 different sectors in Australia and to some extent the
14 United Kingdom. In Australia there's a significant amount
15 of privatizing of assets that has been going on. And so
16 that has created more opportunity in that space.

17 There hasn't been as much coming from the
18 emerging market area.

19 And when we look at our sort of risk return
20 paradigm, the U.S. has consistently been a better place to
21 place capital particularly in the power area.

22 COMMITTEE MEMBER JELINCIC: Okay.

23 On forestland, as you go through your evaluation,
24 it's really difficult for me to understand how we have a
25 Forestland Program without anything in the Pacific

1 Northwest. So, you know, as you review it, I urge you to
2 take that into consideration. I suspect we have a CEO
3 that would have an interest in that.

4 On I think it was the infrastructure, I was
5 surprised at how much non-core we have relative to core.
6 And can you comment on that?

7 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: Yes.
8 Some of it is semantics. Actually I think all of it is
9 semantics. The Infrastructure portfolio was classified
10 with different terminology prior to the integration of the
11 units. It was classified as defensive, defensive plus,
12 and extended. We took the most conservative approach.
13 We're in the throes of -- as Ed mentioned, Mike is in the
14 throes of reorganizing our system and our hierarchy. We
15 took the most conservative approach and just took only the
16 defensive component of our portfolio and classified that
17 as core.

18 There are pieces of the defensive-plus category
19 that will drift into core. Some will stay in value-add.
20 We wanted to be more prudent and only represent what we
21 know at this point to be core.

22 COMMITTEE MEMBER JELINCIC: Okay. And --

23 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: So that
24 number will change. By how much, I don't know.

25 COMMITTEE MEMBER JELINCIC: And this -- I had

1 marked up slide 32, which you don't have to go to, to
2 point out that defensive, defensive plus, and extended
3 reappeared. I thought we had, you know -- so...

4 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: I can
5 answer that if you'd like.

6 COMMITTEE MEMBER JELINCIC: Sure.

7 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: We're
8 about to finalize the IPPGs, which is what we agreed upon
9 in August with the Investment Committee. Once we finalize
10 the IPPGs, the new policy will take into -- will take
11 effect. We're operating under the old policy as of June
12 30th. Again, we wanted to do the most prudent thing.

13 COMMITTEE MEMBER JELINCIC: Okay. Thank you.

14 So if this is the last time I see that, that's good.
15 Thank you, thank you, thank you.

16 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: Sure.

17 CHAIRPERSON JONES: Mr. Slaton.

18 VICE CHAIRPERSON SLATON: Thank you, Mr. Chair.

19 Just a couple of items here. First of all, the
20 Energy Optimization Program, I think that's excellent.
21 I'm looking forward to seeing more reports on that.

22 I just encourage you as you proceed with that,
23 that located less than five miles away you have an
24 electric utility called SMUD, who's very vested in these
25 type of projects and are also members of CalPERS.

1 So they have a real interest in helping you with
2 advanced strategies on energy efficiency in particular.
3 So I encourage you to reach out to them. And I'd be happy
4 to help if you need it.

5 And lastly, I want to compliment you on the
6 presentation and the way you've done it today and the
7 shorter num -- the "no death by PowerPoint." I think what
8 it's done is it's got us to focus, with your help and
9 leadership, on what are the important characteristics,
10 what are the important points that we need to think about.
11 And I think the quality of your presentation has resulted
12 maybe in being more time efficient for all of us and yet
13 not missing anything. So my compliments.

14 CHAIRPERSON JONES: Okay. Thank you for that
15 comment, Mr. Slaton.

16 We're going to break for lunch, and we'll
17 reconvene at 2:00; and at which time we will have the
18 consultant's review of Real Assets Program from Pension
19 Consult -- PCA, Wilshire and StepStone. Okay.

20 (Off record: 1:05 p.m.)

21 (Thereupon a lunch break was taken.)

1 environment.

2 But the Board-level takeaway on performance is
3 that the portfolio is producing steady, solid returns, and
4 that the complexion of those returns in the risk profile
5 is very much in line with the role of the asset class.

6 During the past year the core risk assets
7 continued to be a bigger portion of the portfolio. And by
8 the fiscal year-end the non-core risk assets or non -- the
9 legacy assets had been materially diminished in size.
10 Related to this, the proportion of the return coming from
11 income off the assets as opposed to capital value
12 appreciation was also increasing.

13 So as Mike Inglett pointed out, even for the
14 shorter term when you had total portfolio performance
15 lagging the benchmark, your income proportion, which was
16 4.82 percent on a gross basis and 4.2 percent on a net
17 basis, exceeded the income in the benchmark.

18 So with this focus on kind of lower volatility
19 income streams, the Real Estate portfolio is doing what
20 it's supposed to do to support the total portfolio.

21 --o0o--

22 MS. FIELDS: If we go to page 3 and take a step
23 back and look at the environment in which you're
24 investing, from a supply-and-demand fundamentals
25 perspective the domestic real estate space markets are

1 still quite healthy, with only small pockets of abundant
2 new supply, and that's primarily in the multi-family
3 space.

4 Your experience, however, over the last few years
5 of being able -- will continue insofar as you will only be
6 able to invest a certain portion of that which you approve
7 to be invested, and not simply due to competition in the
8 market and how many people there are out there, including
9 sovereign wealth funds, other institutional investors,
10 retirement plans, flight capital, who are also seeking the
11 same kind of investments.

12 --o0o--

13 MS. FIELDS: Okay. If we go to page -- I'd like
14 to go to page 4 and page 5. And this is what I really
15 like to highlight, is how much work has been done by the
16 Real Asset unit over the last year. A lot of it doing
17 with meaningful updates and revisions to many elements of
18 the governance framework and the operational framework
19 that guides the unit. And most of this has been done with
20 the purpose of reducing risk by enhancing alignment and
21 accountability and cohesion, both within the Real Asset
22 unit itself and also between the Real Asset unit and other
23 parts of the organization.

24 The Real Asset unit also continues to engage on a
25 fairly aggressive list of enterprise-level initiatives,

1 continue to be integrated in finer and finer ways
2 throughout the investment decision-making process; the
3 significant reduction of risk in the portfolio; and the
4 stability of the business plan in the Real Estate
5 portfolio.

6 Among the opportunities we note, that while
7 there's been good progress to date on the ESG initiatives
8 in the Real Estate portfolio, there are opportunities to
9 do more, and staff is clearly on top of that.

10 Finally, with the portfolio de-risk and better
11 aligned with the role of the asset class, staff is freer
12 to turn their attention to the proactive identification
13 and pursuit of opportunities that are aligned with the
14 strategic plan.

15 If we look at weaknesses, we note that senior
16 staff is managing a significant amount of change. And
17 they're managing that change while they are experiencing a
18 fair amount of change in their own composition due to a
19 couple of key retirements and other human resource issues
20 that just come about as a normal course of business. So
21 it is something you kind of want to keep an eye on.

22 Finally, relative to threats, we highlight again,
23 as you've heard multiple times today, the competitive
24 market that CalPERS faces in the pursue of quality real
25 estate investments that meet its objectives.

1 We support staff in the continued discipline and
2 focus in building a defensive portfolio to hold through
3 investment cycles.

4 To conclude, the pasture has been -- has seen
5 good progress for the Real Estate portfolio in achieving
6 the performance and implementing processes which will
7 benefit the system as a whole. These improvements are
8 visible -- visible both in the quality of the portfolio
9 and in the operations day to day of the department.

10 The next year will certainly bring a different
11 set of challenges. The returns that have been experienced
12 over the last three years are unlikely to be replicated.
13 And of course the change in federal administration will
14 impact the real estate sector in ways that are as yet
15 unclear.

16 Nevertheless the movement toward -- forward of
17 the Real Estate portfolio will continue to serve CalPERS
18 and provide a stable source of income and value.

19 With that, I take any questions.

20 CHAIRPERSON JONES: Okay. Thank you for the
21 report.

22 Mr. Jelincic.

23 COMMITTEE MEMBER JELINCIC: You identify that
24 benchmarking remains challenging. Can you talk a little
25 bit about that challenge and any potential solutions you

1 see.

2 MS. FIELDS: Well, I think as with some of the
3 other asset classes, you'll probably get into a more
4 nuance discussion of this at another time. But the
5 benchmark is -- for real estate is the ODCE, which is, as
6 you're aware, representative of -- which is comprised of
7 large open-end core funds. And so your portfolio to date
8 differentiates from -- is different from that in respect
9 to you have more leverage deployed in the ODCE funds. I
10 think the ODCE funds currently run 22 percent LTV. And
11 you have some investments in -- that are offshore - the
12 ODCE is strictly U.S. - and some investments in other like
13 land holdings that are not represented in the benchmark.

14 So there are some clear places where your
15 portfolio -- as earlier the benchmark does not necessarily
16 inform the way that you've constructed your portfolio or
17 parallel it with respect to risks.

18 COMMITTEE MEMBER JELINCIC: Have you looked at
19 other benchmarks that may work better for us?

20 MS. FIELDS: We have. And we're -- those are
21 kind of ongoing discussions that will hopefully, you know,
22 be talked about more I think in the ALM study, right?

23 COMMITTEE MEMBER JELINCIC: Okay. And then on
24 your weaknesses, staff has resourced constraints. Can you
25 talk a little bit about what that is?

1 And I will tell you, I'm also going to ask about
2 the last bullet.

3 MS. FIELDS: So I tried to provide a little bit
4 more detail. I think my -- the point of that bullet point
5 was just that in addition to managing a very large and
6 sophisticated Investment portfolio, staff is consumed with
7 a lot of other initiatives. And so I'm just trying to
8 make sure everyone's kind of cognizant of how much is
9 going on. They're kind of like the ducks sitting on the
10 water, right? They look so graceful and quiet on top, and
11 underneath there's this kind of mad churning of their
12 webbed feet to keep everything going.

13 So that's -- that was the point there.

14 COMMITTEE MEMBER JELINCIC: And so what
15 additional resources do you think they need?

16 MS. FIELDS: It's a good question. I would defer
17 to Paul since he's clearly more involved in the
18 day-to-day.

19 I think a lot of the work that's being done right
20 now will, as Réal mentioned, serve the system in the
21 longer run with respect to kind of producing efficiencies
22 in places where they can leverage their human resources on
23 top of some of the technology and the other frameworks
24 that are helping them. But I think it's certainly
25 something to watch.

1 COMMITTEE MEMBER JELINCIC: And then the reliance
2 on external managers. And, you know --

3 MS. FIELDS: So this is a blessing and a curse
4 for you. I mean, I think your external managers -- and
5 this is particularly with respect to the separate account
6 managers who have provided really strong performance for
7 you and who we expect to continue to do that. They are --
8 as you know, some of them are small and captive to
9 CalPERS. And they themselves will be facing kind of
10 internal succession issues. It's certainly been discussed
11 with staff, and they are doing that. But it's one of the
12 risks that comes with having these very large separate
13 accounts with captive managers.

14 COMMITTEE MEMBER JELINCIC: And is the captive
15 manager a plus or a minus?

16 MS. FIELDS: For you guys it's been a huge plus.
17 I mean, it's worked very, very well.

18 COMMITTEE MEMBER JELINCIC: Thank you.

19 CHAIRPERSON JONES: Okay. Ms. Mathur.

20 COMMITTEE MEMBER MATHUR: Thank you.

21 We've been hearing more and more about sort of
22 the dearth of affordable housing and the dearth of
23 available housing in many markets, particularly in the Bay
24 Area, but other parts of the country as well. And in some
25 markets people are spending as much as 70 percent of their

1 take-home pay on housing.

2 So my question for you is, is that an opportunity
3 in terms of development? And I know we're trying to move
4 more towards core investments. But are there
5 opportunities that we should be thinking about?

6 MS. FIELDS: Well, I think you --

7 COMMITTEE MEMBER MATHUR: Or maybe that's to Paul
8 as well. But --

9 MS. FIELDS: Right. I think you have -- I think
10 staff did a good job of recognizing that fairly early on
11 and they've added a kind of a Class B or workforce
12 multi-family housing account to the program to address
13 that to sink beneath the kind of Class A Multi-family,
14 that's kind of the traditional institutional asset class.

15 And I think this is a problem that everyone's
16 thinking about. I just heard someone at Google speak.
17 And then Google's actually trying to -- they're going to
18 step into this space and start developing housing. So I
19 think that's one way of doing it. Some of the affordable
20 housing with tax credits are a little bit tougher to
21 accomplish.

22 Paul, do you want to add anything?

23 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: Paul
24 Mouchakkaa, Managing Investment Director.

25 Yes. I think Christy hit it on the head. It is

1 more difficult in the affordable housing due to the tax
2 structure or tax credit financing that's available for
3 financial institutions to pursue that strategy.

4 We also have an existing land and home building
5 strategy sitting in our real estate portfolio still to
6 this day. Some of it is from the legacy, but has been
7 sort of reoriented and restructured and realigned.

8 And so we still have exposure to that. And that
9 program invests -- or will develop homes -- either develop
10 land or build homes, depending on the -- you know, the
11 actual lot across all the sectors, whether that's
12 affordable or a starter home or a -- you know, a move-up
13 category or higher end. So it is a blended strategy.

14 So we are -- we are accomplishing that to some
15 extent through that program.

16 COMMITTEE MEMBER MATHUR: Okay. Thank you.

17 CHAIRPERSON JONES: Okay. Mr. Juarez.

18 ACTING COMMITTEE MEMBER JUAREZ: Yes, Christy.

19 You have the advantage of working with other pension
20 funds and having been on a board that -- a much smaller
21 board that used to look up and say, "Well, we wonder what
22 CalPERS is doing" in this -- let's say in real assets, and
23 would hopefully take some lesson from that. I'm curious
24 if there are things that we can learn from some of your
25 other clients in terms of what their approach is to real

1 assets and if there's anything that they may be doing that
2 the Board and the staff might learn from.

3 MS. FIELDS: It's a great question. You are so
4 unique just given your size and your governance structure
5 and many other factors. I think you're tremendously
6 advantaged in some ways by your size and that they give
7 you the ability to deploy capital through these scalable
8 separate accounts that are very focused, usually by sector
9 and geography, but who can be very, very effective at
10 covering markets and being -- and identifying
11 opportunities on your behalf.

12 I think your size hurts you in some ways. You're
13 not able to access perhaps some of the smaller segments,
14 and this has been talked about before. You're just too
15 big. You would own the market. It wouldn't necessarily
16 move the needle for you. And then you'd have to dedicate
17 additional resources to that.

18 So I think the system's done a great job in
19 understanding how their size can be used advantageously
20 and then also recognize the constraints associated with
21 that.

22 And in a way you really are your own planet in
23 space.

24 ACTING COMMITTEE MEMBER JUAREZ: Thanks.

25 CHAIRPERSON JONES: Okay. I see no further

1 questions. Thank you for the report.

2 MS. FIELDS: Thank you.

3 CHAIRPERSON JONES: And so who's next?

4 MR. ALTSHULER: Good afternoon. David Altshuler
5 from StepStone.

6 You heard during staff presentation about the
7 performance of the program, so I don't want to spend too
8 much time on that today. It's all positive, which is
9 another reason why I don't need to really dwell on that.
10 But it is just the numbers the program has returned, and
11 that 9 percent on a one-year basis and 14.9 and 11.7
12 percent over the 3- and 5-year periods respectively.

13 Another important observation we had is that
14 while performance has been consistent and strong, the risk
15 profile of the overall program is continuing to shift more
16 towards lower risk defensive investment. So that
17 allocation increased from 33 to 37 percent during the
18 fiscal year.

19 So strong performance without taking on
20 additional risk.

21 You've heard from us at StepStone and from
22 colleagues at PCA and from your own staff about the
23 challenges in the market; in terms of competition and
24 infrastructure, has not been immune to that. I would
25 highlight there were two funds this year that on a

1 combined basis raised \$30 billion to invest in
2 infrastructure. Two managers. And with the lion's share
3 of that targeting developed OECD core, core-plus
4 infrastructure of the type that CalPERS has liked in the
5 past.

6 And so it's been a very busy time for
7 infrastructure investors this year.

8 Despite that though, I do want to highlight that
9 CalPERS has not only succeeded in acquiring stakes in
10 essential high quality infrastructure here in California,
11 with the acquisition of a stake in a solar facility out
12 east, with a direct stake in the Indiana Toll Road, which
13 is a very core essential piece of infrastructure and it
14 has over 60 years left on the concession.

15 As well as through one of its accounts, a stake
16 in one of the largest ports in Australia. So -- and that
17 all happened during a fiscal year. So I think it's worth
18 highlighting the fact that even in these incredibly
19 competitive conditions, the program has succeeded in
20 putting capital to work in very -- in a manner that's very
21 consistent with the objectives of the program.

22 And I think also using the tools that the program
23 has in its toolbox, which is an ability to work through
24 separate accounts and the ability to make these -- the
25 direct investments.

1 The other comment I'll make - and I know you're
2 aware of this - but there were a lot of changes in the
3 organizational side as well and those had a big impact on
4 the Infrastructure Program. You have a new Real Asset
5 Policy. You have a new strategic plan. And you have a
6 dramatically reorganized team. And as you know, those
7 changes were all implemented with the objective of
8 streamlining the policy plan organization and to bring it
9 in line with the other programs in the Investment Office.
10 And I think that the changes will make policy and
11 implementation easier, and to navigate -- those trying to
12 navigate as well as to manage the program.

13 It's not finalized yet, this whole process.
14 There are a lot of the details that were in the policy in
15 particular that are being moved into separate documents.
16 And we're working closely with staff on trying to
17 highlight I think what really benefits from being
18 streamlined and where there are distinct characteristics
19 that are tied to the asset class and should be preserved
20 and retained within the different documents in the
21 process.

22 There are things like the risk classifications
23 and aspects of the market that are different for the
24 respective asset classes. And I think CalPERS as a
25 sophisticated investor has benefited from having this

1 domain knowledge there and working collaboratively. I
2 think across the programs is the best way forward.

3 So I can take any questions about the
4 organization or the market.

5 CHAIRPERSON JONES: Okay. Yes, we have
6 Mr. Jelincic.

7 COMMITTEE MEMBER JELINCIC: As the Board's
8 independent eyes and observer, you point out that core
9 infrastructure is highly competitive particularly in North
10 America, the UK, and Australia, which is where we're
11 focused. Should we focus elsewhere, what's the pluses and
12 minuses of that?

13 MR. ALTSHULER: Sure. It's a question, and I
14 recall you asking a similar question this morning. And
15 the short answer is yes. I do think that a sophisticated
16 program of CalPERS' size should have a global program for
17 infrastructure. Infrastructure is a global opportunity
18 set. That doesn't mean it can't have a bias towards
19 certain markets. But I think maybe different than real
20 estate. For example, the industry and the
21 professionalization of infrastructure evolved actually
22 outside of the U.S., and the use of private capital to
23 finance infrastructure has happened outside of that. So
24 some of that has been in the UK, a lot of that has been in
25 Europe. And, quite frankly, even in emerging markets

1 we're seeing conditions for investment. You have to be
2 very opportunistic and selective and select the right
3 partners. But the driver's there. Electrification rates,
4 for example, are so low. And the demand for new
5 infrastructure is so high, capital is valued more in
6 markets where there's less competition. And there are
7 increasingly safeguards in place that, quite frankly,
8 provide attractive downside protection. We've seen
9 transactions where, for example, project -- PPAs have been
10 guaranteed by the World Bank and have been
11 cross-collateralized with guarantees from the government.
12 So basically a default on a PPA is a default on World Bank
13 loans to the country. Just one example of ways that
14 sovereign risk can be mitigated.

15 Having said that, I think the bulk of the
16 opportunity for CalPERS will remain in developed markets.

17 COMMITTEE MEMBER JELINCIC: And how do we access
18 some of that opportunity?

19 MR. ALTSHULER: It's through the managers that
20 have developed an expertise really. And a lot of it is
21 having to spend a lot of time, like we do, meeting with
22 the managers. And for us it's really about a track record
23 among those managers of returning capital really, because
24 it's -- there's a lot of investment opportunity. But what
25 we want to see is an ability to not only put capital to

1 work but also return capital. So it's continuing to meet
2 with managers and understanding who's positioned best in
3 the respective markets.

4 COMMITTEE MEMBER JELINCIC: Okay. And then you
5 talk about the returns, which are impressive. But what
6 kind of risks are we running? I mean, what are those like
7 if we, you know, try risk adjusting them?

8 MR. ALTSHULER: Yeah.

9 COMMITTEE MEMBER JELINCIC: And what are the
10 elements that go into that risk adjustment?

11 MR. ALTSHULER: Yeah, it's a good question. And
12 I think that the returns you're seeing are reflective of
13 both the newer approaches of the program, which has been
14 primarily focused on investing through new relationships
15 with managers and in a custom account structure, as well
16 as some of the legacy investments that actually have
17 continued to perform well. So I think what you're seeing
18 is an aggregation of a couple of different underlying risk
19 factors in the portfolio.

20 I think the program has really been focused on
21 minimizing revenue variability, increasing revenue
22 certainty, and that is through really the very small
23 number of means. One is focusing on investing, as is the
24 case with the renewables investment in California in
25 projects that have long-term contracted power purchase

1 agreements.

2 There's not -- there's always a risk at projects,
3 so there's risk with potential repayment. But if you can
4 understand the credit risk of your counterparty and you
5 understand the demand environment around that, then I
6 think you can have a higher certainty around a revenue.
7 Same with regulation. And the same with strong market
8 positioning, which allows CalPERS to invest in more GDP
9 sensitive assets where the fundamentals in the markets
10 around these assets are very strong where they're very
11 high barriers to entry. It's very difficult to build a
12 competing port. It's not impossible, but it's very
13 difficult. And so there are -- CalPERS has been focusing
14 on projects where there are market protections.

15 COMMITTEE MEMBER JELINCIC: Thank you.

16 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: Mr.
17 Chair?

18 CHAIRPERSON JONES: Yes, Paul.

19 MANAGING INVESTMENT DIRECTOR MOUCHAKKAA: If I
20 just may add. I also -- similar to the real estate story,
21 I do want to emphasize this. Returns are moderating even
22 with the infrastructure space. You know, David mentioned
23 the amount of capital fundraising by just two managers.
24 And the amount of capital chasing infrastructure
25 investing. There is a moderation that's happening there

1 similar to real estate just due to the weight of capital
2 and interest at this point on the cycle.

3 CHAIRPERSON JONES: Okay. Thank you.

4 Okay. The last one on the list is Wilshire.

5 MR. JUNKIN: Thank you. Good afternoon. Andrew
6 Junkin.

7 I feel like I've given this exact report for
8 several years because the assets in the portfolio haven't
9 changed and a lot of the challenges that you face with
10 this portfolio haven't really changed. So I won't drag it
11 out.

12 Timber prices over the last year have generally
13 been flat. We saw the returns earlier. The portfolio's
14 really been in a standstill mode. There have been no
15 acquisitions, no dispositions.

16 And as Paul noted, the role of forestland is
17 being reviewed during the upcoming asset liability
18 workshop.

19 Ideally forestland plays a really interesting
20 role for a public pension fund, particularly as a
21 diversified part of an inflation protection or Real Assets
22 portfolio. Your portfolio is not all that diversified.
23 We've talked about that a lot, of concentration in the
24 southeast. And that's historically been a headwind for
25 performance.

1 You know, one of the nice things about forestland
2 is timber growth is not really -- it's not related to the
3 economy. It's not related to interest rates. It has very
4 different performance drivers than really anything else in
5 the portfolio.

6 And if you don't like the prices people are
7 paying for timber, then you can wait if you have the right
8 governance structures in place. And so this brings up,
9 you know, some of the challenges, which Paul mentioned
10 governance being a pretty big one. That's getting better.

11 And Mr. Lind asked a question, how does
12 governance really interact and become a part of returns?
13 And I think Paul sort of talked about how leverage and the
14 ability to control leverage as an investor can make a
15 difference. But if you think about it, if there's debt
16 service due and you don't have the governance in place to
17 control the leverage, then you're going to be forced into
18 selling assets at prices you may not like just to service
19 the debt.

20 And in the long run that can be a problem for
21 returns. So I think that that's one of the factors that
22 getting better control of the governance is going to
23 mitigate.

24 And I'd just end with something that we talked
25 about last year, which is, you know, making

1 forestland -- despite the characteristics that we may
2 like, in general, making forestland a significant part of
3 the CalPERS portfolio is problematic given your size. And
4 this goes to the point that Christy made. You're sort of
5 your own planet. And, you know, if you said, well, we
6 need a 5 percent allocation for it to be a meaningful part
7 of our portfolio, you've got to not double, not triple,
8 but quintuple the size of the portfolio or more to get
9 there, and you'd have to be the largest buyer of
10 forestland in the U.S. for probably a decade or so.

11 And so there's some significant issues in terms
12 of capacity there.

13 Happy to take any questions. But I might just
14 point you back to the 2015 report or the 2014 report.

15 (Laughter.)

16 CHAIRPERSON JONES: Okay. You heard that,
17 Mr. Jelincic.

18 (Laughter.)

19 COMMITTEE MEMBER JELINCIC: I heard that.

20 (Laughter.)

21 COMMITTEE MEMBER JELINCIC: But I'm going to go
22 back even further.

23 MR. JUNKIN: Even further.

24 COMMITTEE MEMBER JELINCIC: Being our own, you
25 know, planet, that's a good observation. But I can

1 remember being at a paper conference put on by the -- at
2 that point, Aimer, and they talked about how the entire
3 institutional investment in timberland was \$750 million.
4 And I was sitting there knowing where 500 million of it
5 is.

6 You know, so we were two-thirds of the entire
7 market. And yet it worked out pretty well. We got out
8 later and made a lot of money. But, you know, there are
9 some rewards sometimes for being the whole island.

10 CHAIRPERSON JONES: Okay. Thank you.

11 So that concludes that item. And thank you again
12 for the report.

13 That moves us to Item 9, Summary of Committee
14 Direction.

15 Mr. Eliop -- Wylie.

16 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

17 Thank you, Mr. Chairman.

18 So we have I think, let's see, four items to
19 cover. And so with your assurance here, Mr. Chairman,
20 we'll go through them.

21 So the first was -- the first question was to
22 come back with holdings in the Iran Act -- the three Iran
23 Act companies. And we actually have that information. So
24 rather than delay it, I'll go ahead and just read out the
25 holdings information and just take care of it.

1 CHAIRPERSON JONES: Great.

2 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: So
3 the first company, M-S -- MISC Berhad, we have no current
4 holdings.

5 In Alfa Laval, we have about \$12 million in
6 current holdings.

7 And, by the way, these are all as of June 30th.
8 So we normally don't release holdings as of today, because
9 that would position -- potentially position the fund at a
10 disadvantage. So...

11 And then the last organize -- the last firm on
12 the list was Legrand SA, and we have 93.3 million in
13 Legrand SA today.

14 Totaling 105 -- roughly 105 million.

15 CHAIRPERSON JONES: And that's all U.S. dollars?

16 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:
17 That's all converted to U.S. dollars, that's
18 right.

19 The second Chair-directed item was to engage in a
20 discussion at the January off-site around our legislative
21 guidelines, with our federal representatives and some
22 senior members of staff, to really discuss the purpose and
23 the structure of those guidelines.

24 The third item was to continue to report on
25 progress around our disclosure -- our capture and

1 disclosure of the various types of fees charged within the
2 private equity structure.

3 And last but not least, to engage with other
4 limited partners and ILPA to find ways -- further ways to
5 promote our common interests. That came out of the
6 private equity consultant's conversation.

7 So that's what we've captured. So if there's
8 other items that you think we should have on the list, now
9 is a good time for us to capture them

10 CHIEF INVESTMENT OFFICER ELIOPOULOS: On that
11 last one, I think -- I was reading your notes. You said
12 engage with others, but it's explore opportunities --
13 explore rather than engage --

14 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE: No,
15 explore opportunities, yeah.

16 CHIEF INVESTMENT OFFICER ELIOPOULOS: So we can
17 conceptualize the concept of doing that.

18 CHAIRPERSON JONES: Exactly. Okay.

19 Okay. I think that's what I have also.

20 So, Mrs. Mathur.

21 COMMITTEE MEMBER MATHUR: Yeah, I just have a
22 question on next month's agenda. I just want to make
23 sure -- we had talked about having the manager
24 expectations pilot report. And is that the Investment
25 Manager Engagement Program's piece that's on the agenda?

1 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:

2 I think the Manager Expectations Report is I
3 believe coming forward with -- from Anne Simpson and Dan.
4 Actually they're completing that.

5 COMMITTEE MEMBER MATHUR: So is that part of the
6 governance sustainability update?

7 CHIEF OPERATING INVESTMENT OFFICER TOLLETTE:
8 Part of the governance sustainability update.

9 COMMITTEE MEMBER MATHUR: Okay. Just wanted to
10 double-check. Thank you.

11 CHAIRPERSON JONES: Okay. Thank you.

12 So that moves us then to Public Comment. I have
13 no requests to speak.

14 So this concludes the open session meeting. And
15 we will allow for 10 minutes, and we'll convene our closed
16 session Investment Committee meeting in 10 minutes.

17 (Thereupon California Public Employees'
18 Retirement System, Investment Committee
19 meeting open session adjourned at 2:34 p.m.)
20
21
22
23
24
25

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

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 21st day of November, 2016.

16
17
18
19
20 

21
22
23 JAMES F. PETERS, CSR
24 Certified Shorthand Reporter
25 License No. 10063