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Proceedings

NEW YORK CITY TEACHERS' RETIREMENT SYSTEM
INVESTMENT MEETING

Held on Thursday, September 7, 2017, at 55 Water
Street, New York, New York

ATTENDEES:

- JOHN ADLER, Chairman, Trustee
- THOMAS BROWN, Trustee
- DEBRA PENNY, Trustee
- ANTONIO RODRIGUEZ, Mayor's Office
- SUSANNAH VICKERS, Trustee, Comptroller's Office
- DAVID KAZANSKY, Trustee
- MELVYN AARONSON, Teachers' Retirement System
- JOHN DORSA, Comptroller's Office

REPORTED BY:
YAFFA KAPLAN
JOB NO. 0611013

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2 ATTENDEES (Continued):

3 SUSAN STANG, Teachers' Retirement System

4 PAUL RAUCCI, Teachers' Retirement System

5 MICHAEL FULVIO, Rocaton

6 ROBIN PELLISH, Rocaton

7 DAVID PALKOVIC, Rocaton

8 THAD McTIGUE, Teachers' Retirement System

9 VALERIE BUDZIK, ESQ., Teachers' Retirement System

10 LIZ SANCHEZ, Teachers' Retirement System

11 SAM RUMLEY, Office of the Actuary

12 RON SWINGLE, Teachers' Retirement System

13 RENEE PEARCE, Esq., Teachers' Retirement System

14 DAVID LEVINE, ESQ., Groom Law Group

15 SARA CHAUDHRI, Teachers' Retirement System

16 DAVID ENRIQUEZ, Comptroller's Office

17 CYNTHIA COLLINS, Mayor's Office

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2 MR. ADLER: Good morning. It's the
3 first day of school. I think it's appropriate
4 that we have our first meeting of the school
5 year on the first day of school Thursday,
6 September 7, 2017.

7 Welcome to the Investment Meeting of the
8 Teachers' Retirement System of the City of New
9 York.

10 Thad, will you please call the roll.

11 MR. McTIGUE: Thank you, John.

12 John Adler?

13 MR. ADLER: I am here.

14 MR. McTIGUE: Thomas Brown?

15 MR. BROWN: Here.

16 MR. McTIGUE: David Kazansky?

17 MR. KAZANSKY: Present.

18 MR. McTIGUE: Debra Penny?

19 MS. PENNY: Here.

20 MR. McTIGUE: Raymond Orlando?

21 Susannah Vickers?

22 MS. VICKERS: Here.

23 MR. McTIGUE: We have a quorum, Mr.

24 Chairman.

25 MR. ADLER: Thank you. Okay, so I am

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2 going to turn it over to Michael and Robin to
3 take us -- I'm sorry, I do want to mention one
4 thing -- thank you, Thad -- before. We are
5 going to add to the public agenda, the pension
6 co-investment discussion with BAM. So if you
7 just make a note of that, unless there is any
8 objections. Very good. So that will come at
9 the end of the public agenda, okay. Thank
10 you.

11 So turning it over to Rocaton now for
12 the performance review.

13 MR. FULVIO: Well, no better way to
14 start off the new year than closing out the
15 performance of last year's fiscal year very
16 quickly, so we circulated the quarterly report
17 of the Passport Funds.

18 I am not going to endeavor to flip page
19 by page with you, but if you want to turn your
20 attention to Tab 5, page 23. And I apologize
21 the page numbers look a little bit cut off
22 down at the bottom left, but that looks like
23 the first page of the flash report as of June
24 30, 2017. I will hit some really high-level
25 comments on that.

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2 At the end of the fiscal year June 30,
3 2017, the Variable A Funds stood at \$14.8
4 billion. Fiscal year return was about 18.1
5 percent. That led the Russell 3000 Index
6 return of 18.5 percent. The hybrid benchmark
7 returned 18.6 percent. The Variable B Funds
8 with assets about \$389 million ended the year
9 with a positive return, positive 6 basis
10 points. A modest, but roughly in line with
11 the one to five-year government credit
12 benchmark. The Variable C on the
13 International Equity Fund ended the year with
14 about \$129 million in assets with positive
15 return of about 21 percent, just shy 21
16 percent. And that was enough to outperform
17 its custom developed and emerging market
18 benchmark which returned 20.6 percent. The
19 Variable D Fund, the Inflation Protection
20 Fund, ended the year with assets of \$54
21 million returning about 1.4 percent which was
22 just behind CPI, which last year was about 1.6
23 percent. The Socially Responsive Equity Fund
24 Variable E ended the year with \$165 million in
25 assets and like the Variable A Fund had a

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2 return exceeding 18 percent. The actual
3 return is 18.4 percent and that was enough to
4 beat the S&P 500 return.

5 So if there are no questions on the last
6 fiscal year or the June report, we can move
7 forward with July. Hearing no objections, I
8 will start out by just saying the strong
9 performance of equity markets continued past
10 June to July. Equity market returns were led
11 by emerging markets which the custom benchmark
12 in your case, which excludes a few countries,
13 was up nearly 5 percent in July. So that
14 served to aid the performance of the variable
15 funds. The U.S. by comparison was up about 2
16 percent during July and so the Diversified
17 Equity Fund's return for the month with assets
18 now exceeding \$15 billion. Return for July
19 was positive 2.1 percent. That helped to out
20 perform the Russell 3000 which was up about
21 1.9 percent. That brought calendar
22 year-to-date return for the fund to about 12.1
23 percent, which is exceeding the Russell 3000
24 which was up about 11 percent.

25 MS. PELLISH: So just to interject here,

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2 what's really moving the total return of the
3 Diversified Equity Fund relative to the U.S.
4 equity market is the performance of the
5 international equity market. So we have seen
6 that for a number of years detract from
7 relative returns and now we are seeing it --
8 we are seeing the opposite effect where for
9 the year-to-date period, we can see that the
10 international equity -- this is calendar year
11 to date, but seven months of 2017 we see that
12 the international equity composite is up
13 almost 19 percent, which is about 800 basis
14 points ahead of the Russell 3000. So we held
15 on during the period of time when it had a
16 negative impact and now we are seeing a
17 positive impact. Sorry.

18 MR. FULVIO: And I would make a brief
19 comment just to say that we have seen the
20 contribution from active management also help
21 on a relative basis for this fund. And that's
22 both within the U.S. and the non-U.S.
23 composite year to date. We will talk more
24 about that later.

25 The bond fund at this end of July had

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assets of about \$39 million positive return to the tune of about a third of a percent in July. Total fund there was up 1.4 percent calendar year to date. The International Equity Fund as Robin mentioned before with strong, particularly strong performance by non-U.S. markets, that fund was up about 18-1/2 percent year to date on the heels of another strong month of July, which that end was up 3.2 percent. The Inflation Protection Fund with assets of about \$55.6 million, a little over 1 percent during the month and the calendar year-to-date return of about 1.6 percent. And the Socially Responsive Equity Fund is \$170 million in assets. That fund was also up about 1.7 percent, slightly behind the S&P. Year to date that fund up over 11 percent.

So if there is nothing else on July, we will make a couple of brief comments about August in which we saw generally positive results again across the board, although much more modest than we saw in July. The Russell 3000 Index in August was up about 20 basis

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2 points. The International Composite benchmark
3 up about 12 basis points. Defensive doing a
4 little bit in both of those, up about 30 basis
5 points. All told, we estimate Variable A Fund
6 was up about 20 basis points for the month of
7 July, bringing the year to date somewhere in
8 the range of 12-1/2 percent. And then as far
9 as looking a little bit deeper at the
10 international equity markets, developed
11 markets were essentially flat or slightly
12 negative during the month. Stronger
13 performance from emerging markets were up over
14 1 percent during August and strong returns on
15 an absolute basis compared to all these other
16 numbers I read for the underlying strategy.
17 Inflation Protection Fund, that was up about
18 60 basis points for the month of August. And
19 you can see the underlying strategy of the
20 Socially Responsive Equity Fund down a little
21 bit, over 1 percent. So we will be back in
22 October with the August results.

23 Any questions?

24 MR. ADLER: Questions for Michael?

25 Okay, thanks.

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2 So next item is divestment policy
3 considerations.

4 MS. BUDZIK: Does everyone have the
5 handout?

6 MR. ADLER: This handout is the same one
7 that was e-mailed, right?

8 MS. PELLISH: Correct.

9 MS. BUDZIK: So I will start that off.
10 And just by way of background, you know, in
11 the spring the board requested that staff
12 gather information on divestment policies that
13 are out there with an eye towards potentially
14 adopting a divestment policy at TRS and that
15 initially dovetails nicely with our overall
16 review of the IPS. And depending on what we
17 end up with divestment, it would be part
18 of the investment policy statement. What you
19 have in front of you is kind of we pulled
20 information from the policies that we were
21 able to locate. Significantly we only found
22 on line 2 divestment policies that apply to
23 public pension funds. Easier to find at least
24 online was divestment policies in the
25 endowment universe and they did have some

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2 useful information, so we included information
3 from those endowment policies here. What we
4 are looking for today, I mean in addition to
5 just general information on divestment
6 policies, what they tend to include is some
7 sense or direction from the board on a couple
8 of key elements and that would allow us to
9 draft a policy for the board to consider to
10 start drafting a policy.

11 So I am now on Slide 3 here. And we
12 have kind of identified what five elements
13 that are kind of present in all of the
14 policies that we reviewed. One is what we
15 referred to kind of a beliefs statement or the
16 principle behind the divestment policy. The
17 other is a trigger for divestment review, what
18 types of issues, concerns rise to the level
19 where you would consider divestment.
20 Requirements for engagement, all policies that
21 we review had some discussion of that. And
22 then the fiduciary impact analysis, which the
23 board is familiar with and the requirement for
24 monitoring and review.

25 One thing we would note in 4 and 5 is

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that's the law. If we do nothing on divestment, you still have 4 and 5 -- you still have to go through a fiduciary analysis and monitor any divestment decision. So in terms of what we call the beliefs statement, essentially that would usually be the entity is going to acknowledge its fiduciary duty and then articulate its view of divestment as a strategy to achieve whatever the goal is, you know, that is triggering the divestment discussion. And there I would say what's interesting is, uniformly the policies that we reviewed disfavor divestment at least as an initial response to whatever your goal is and usually it's a company that is engaged in an activity that concerns you, you think is socially injurious, you are not comfortable being an investor in that company or supporting that activity, let's get out. I think uniformly they were saying that they don't believe divestment is an optimal strategy.

So what we have here are two -- we have an excerpt from TIAA-CREF and CalSTRS kind of

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2 sums it up. Not an optimal strategy and it's
3 not the best means to produce long-term value
4 for the participants. And then the CalPERS
5 policy we won't read the whole thing, but it
6 does -- the third bullet divesting appears to
7 almost invariably harm investment performance
8 and there is evidence it's an ineffective
9 strategy for achieving social or political
10 goals. So I would say that would be a
11 consideration for the board whether -- I would
12 say from the beliefs statement, what that
13 flows into is the requirement for engagement
14 because the entities out there believe that
15 divestment is not necessarily an effective
16 strategy. You might start with an engagement
17 initiative if you -- to address whatever
18 concerns you might have.

19 So the other elements that we talked a
20 little all policies reflect is it's the
21 trigger. And here -- and I will go back to
22 the public sector funds and the endowment and
23 David, if he wants to chime in here at any
24 point. They are subject to different legal
25 standards. The public sector funds we have --

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2 they are all fiduciaries, but we are an ARISA
3 fiduciary. And ARISA is a fiduciary that's
4 generally considered to be the strictest
5 fiduciary standard. We have the exclusive
6 benefit rule. An endowment doesn't have the
7 exclusive benefit rule.

8 MR. ADLER: Did you say we are an ARISA
9 fiduciary?

10 MS. BUDZIK: We are not an ARISA
11 fiduciary, but we follow the ARISA standard.
12 Although not subject to ARISA, we do follow
13 the ARISA standard.

14 MR. LEVINE: We do look to ARISA as
15 guiding principles for us.

16 MR. ADLER: But we are subject to the
17 New York State standards which is modelled
18 after ARISA.

19 MR. LEVINE: We are not subject to
20 ARISA, for the record.

21 MS. BUDZIK: But we follow the ARISA
22 standard and I would say there is a general
23 consensus that we would be held to that
24 standard if we were ever challenged on
25 something. So in that regard, I would just

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2 say the trigger is between -- between what the
3 endowments focus on versus the two public
4 funds.

5 And here I am going to go to look at
6 Slide 6 and 7 together. Primary distinction
7 with the two California funds is they do have
8 an element of financial injury that is not as
9 prevalent in the endowment universe. So on
10 page 7, you will see that CalSTRS is in the
11 middle there. They have the trigger of -- the
12 entity, the company, or companies that you are
13 looking at, they have to trigger one of these
14 21 risk factors that they have articulated.
15 Those risk factors weren't developed for
16 divestment purposes. They are developed
17 overall for reviewing any investment. It has
18 to trigger one of those risk factors for a
19 sustained period of time and just to bring to
20 your attention to the extent it becomes an
21 economic risk to the fund or a potential for
22 material loss of revenue exists. CalPERS
23 simply has a standard that to divest, you have
24 to determine it's imprudent to hold the
25 investment. So there, again, there is a

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financial injury element to the analysis that you don't see as much in the endowment world.

MR. ADLER: Can we discuss this? So what's interesting to me is -- so I have been thinking about this in terms of the divestments that we have already carried out at Teachers. And what's interesting to me is that several of the divestments, principally private prisons and coal I think private prisons, we did earlier this year if I am not mistaken and coal was either last year or the year before. What's interesting about it is that so the CalSTRS says a potential for material loss of revenue exists and one of the justification for doing private prisons and coal was that the holdings were so small -- I am looking at David because I think he wrote an opinion about this, the holdings were so small that whether or not to divest was immaterial. And so it's kind of an interesting contrast, right, that essentially CalSTRS is saying that, you know, it has to be having violated one of the risk factors and then pose a potential for material loss of

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2 revenue. I think what we would say in our
3 case in those two is we don't have this
4 listing of risk factors. What we would say is
5 that there were reasons, economic reasons,
6 that we thought that private prisons and coal
7 posed a risk to the fund, but that the amount
8 that we held was so small that making the
9 decision to include it or exclude it was not
10 material. So you know what I am saying.

11 MS. VICKERS: If I can just chime in on
12 that, because I think we lacked this
13 formalized process. What we have sort of done
14 is skip elements 1 through 3 and rely only on
15 4, the fiduciary and the financial impact
16 analysis, to look at sort of after the fact
17 what this might do to the portfolio. We
18 haven't in a formalized way gone through the
19 triggers. We haven't gone through an
20 engagement process, so the Comptroller's
21 Office feels very strongly that incorporating
22 these earlier steps is a great idea.
23 Hopefully it will get us to the same
24 conclusion, but we should be going through
25 this more robust process with all of our

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2 discussions.

3 MS. BUDZIK: In reviewing, to be clear,
4 the divestment that the board has pursued
5 potentially could have ended up in the same
6 place. It would have been a little slower.

7 MS. VICKERS: And we didn't do it in a
8 formalized way.

9 MS. BUDZIK: More structure.

10 MR. ADLER: I do think there is a
11 consideration, for example, when you think
12 about private prisons. I don't believe that
13 there was any engagement with private prison
14 companies prior to the proposal for divestment
15 and I am not saying that's -- but that's
16 what's in some ways --

17 MS. VICKERS: I think because what
18 corporate governance thought, and I think it's
19 baked into here somewhere, is that whether the
20 engagement would be futile.

21 MR. KAZANSKY: The size of the holding
22 and what they do, whether it was even
23 necessary or possible.

24 MS. VICKERS: It was the business model
25 we objected to and so the thought -- and we

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2 talked about engagement, but some of our
3 corporate governance folks thought it wouldn't
4 be worthwhile to kind of engage with them
5 because they are not going to change their
6 core business model and their core business
7 model is what we had a problem with.

8 MR. ADLER: I am agreeing that's why we
9 didn't, but in some ways it's counter to what
10 the steps are.

11 MS. BUDZIK: Yes and no. Engagement if
12 we look at the policies that are out there,
13 some are stricter. The most liberal policy is
14 Stanford that had, in what Susan pointed out,
15 engagement is required unless it's futile.
16 You would want to document it's a waste of
17 time.

18 MR. LEVINE: It's basically constant
19 evolution. And given we have had some
20 divestment activity we have done a good
21 process in the past, but trying to create a
22 good framework going forward.

23 MR. ADLER: I am not disagreeing with
24 that. But I think if you look at all the
25 divestments that we have actually carried out

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2 going back to gun manufacturing before I got
3 here, you know, again engagement with gun
4 manufacturer on you should stop selling guns
5 would certainly be futile and engagement with
6 coal companies is stop mining coal, right, so
7 there is an issue.

8 And in fact there is some reference here
9 -- oh, yes, on page 6 it says "Policies
10 generally require identification of a specific
11 company or companies, rather than proposals
12 directed at an industry or general activity."
13 And the truth is that most -- at least all the
14 divestments on the books that I am aware of
15 directed at industry, not at specific
16 companies for their specific practices.

17 MR. LEVINE: Although I think when it
18 was done we actually went and looked at the
19 individual company, the impact on the fund as
20 a net impact.

21 MS. BUDZIK: It was company specific
22 certainly, yes, the impact and the analysis.
23 And it's how you define industry, the energy
24 sector versus one narrow.

25 MR. ADLER: Yes, absolutely.

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2 MS. BUDZIK: And there were three -- I
3 think there were three coal companies.

4 MS. VICKERS: And all the resolutions I
5 think named specific companies, but we then
6 expanded it.

7 MR. FULVIO: Including the Iran, Sudan
8 specific companies.

9 MS. BUDZIK: And there was a long
10 engagement process prior to getting to those
11 companies that the systems divested from.

12 MR. ADLER: Did we divest from companies
13 around Iran and Sudan?

14 MS. BUDZIK: We did.

15 MR. DORSA: Yes.

16 MR. ADLER: And that was the initiative
17 of the board or required by legislation?

18 MS. BUDZIK: Board, it was board.

19 MR. ADLER: Can I just ask another
20 question out of my ignorance, which is: Those
21 companies, are we still divested from them or
22 have we taken any of them off the list due to
23 monitoring that they are no longer in Iran or
24 Sudan?

25 MS. BUDZIK: So relative to Teachers the

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2 holdings should have been de minimis, if they
3 are at all. Because with the Iran, Sudan, so
4 it identified companies that had significant
5 business operations in those two countries.
6 And I think Iran was specifically targeted,
7 the energy sector. I am making up the number,
8 but let's say there were twenty --

9 MR. ADLER: Twenty companies.

10 MS. BUDZIK: There were many. There was
11 a letter-writing campaign, at least I believe
12 there were several letters sent to each
13 company, how they are addressing the risks
14 associated with doing business in those
15 countries. And ultimately the divestment only
16 was for the two companies that did not
17 respond; one was Gazprom, so that's Russian
18 and the other was PetroChina which is China.
19 So TRS' holdings there should have been pretty
20 small.

21 MR. DORSA: It was oil and natural gas
22 rather than gas --

23 MS. BUDZIK: Okay, sorry.

24 MR. DORSA: -- just to clarify.

25 MS. BUDZIK: So your question are we

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2 still divested, they may be out of Teachers
3 just based on --

4 MR. ADLER: On the countries.

5 MS. VICKERS: There was some point I
6 wanted to bring up about monitoring, but let's
7 get to that section.

8 MS. BUDZIK: Yes, and we can go in
9 another just things that we found interesting
10 although the endowments in some respects they
11 are looser standards, they are not; they can
12 be strict too. The University of Pennsylvania
13 had to be a moral evil and the most common
14 standard in the endowment universe is what's
15 known as the Yale standard developed in 1962.
16 It's a book still available on Amazon if
17 everyone is interested.

18 MR. ADLER: Now you are promoting books.

19 MS. BUDZIK: Significant health, safety,
20 or basic freedom. We would say another
21 interesting aspect of the Yale standard is
22 that clearly it explicitly provides that a
23 company doing business with a company that you
24 have an issue with will not meet that
25 standard.

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2 MR. ADLER: You mean secondary?

3 MS. BUDZIK: A secondary. So if you are
4 divesting from tobacco, you are not going to
5 divest from companies that sell cigarettes.

6 MR. ADLER: That sell what?

7 MS. BUDZIK: This is kind of a
8 ridiculous, example but tobacco you wouldn't
9 divest from the bodega that sells the
10 cigarettes.

11 MS. PELLISH: We actually got into that
12 discussion with guns, so the question is: Do
13 you sell gun retailers which was considered I
14 think --

15 MS. BUDZIK: Right. So that kind of
16 goes to -- we can circle back where we would
17 look for a little direction from the board in
18 terms of do they want something, that's more
19 strict or a policy that is more liberal.
20 Engagement, we talked about the engagement.
21 Again, every policy that we review favors
22 engagement with the -- with we will call out
23 Stanford there unless it's futile. We won't
24 spend time on the fiduciary analysis. We are
25 familiar with that and that's for TRS, that's

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2 all other things being equal. You know, as we
3 indicated to date our -- the divestment
4 initiatives have been small enough that it's
5 not that challenging to meet that standard.

6 One thing that we thought was
7 interesting and, you know, for the board to
8 consider CalSTRS in particular, their
9 investment policy specifically excludes
10 investments tied to indices and it focuses on
11 direct investments and they actually exclude a
12 limited partnership to co-mingled funds. So
13 the more passive investments, they exclude
14 that from their divestment.

15 MR. ADLER: It strikes me as curious
16 really because if you think about it, in our
17 case something like 85 percent of our public
18 equities is through index funds. And to say
19 we are going to divest from X, but not through
20 index funds, you know, is really a -- what do
21 you call it, a smoke screen, a fig leaf.

22 MS. VICKERS: It's also on the other
23 side if our philosophy is that we want to
24 invest in the index and if we keep chipping
25 away at our definition of what the index is,

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2 that's also contrary to our -- what's the
3 opportunity cost and what's the impact of
4 creating a custom index that differs from the
5 index, what are the costs or risks of
6 that?

7 MR. ADLER: But I do think, Susannah,
8 that's the whole point of fiduciary analysis
9 is to weigh the costs of doing it. But to say
10 upfront, as this policy does, that we are
11 going to exclude the index without doing that
12 cost benefit analysis strikes me as not
13 something that I would support at least.
14 That's because if we are going to -- again if
15 we are pursuing a divestment for some specific
16 reason, I mean, just to give you an example if
17 we were to say we are going to divest from
18 private prisons but not through the index, you
19 know, I would imagine that if not 100 percent,
20 95 percent of our private prison investments
21 were through the index. So what kind of
22 divestment is that?

23 MS. VICKERS: No. It's a question that
24 has to be weighed because the more divestments
25 we do, the more we chip away at that sort of

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2 strategy of investing.

3 MR. ADLER: I will also just note that
4 in our case because our indices are separate
5 accounts, we have the ability to do that.

6 MS. VICKERS: Oh, yes, absolutely.

7 MR. ADLER: Which in the pension fund
8 now we talked about this I think, some of the
9 TDA Index investments are not separate
10 accounts, right? Some of them -- like the
11 thing we just did with Vanguard.

12 MS. STANG: So the only one -- the major
13 one that is still in a co-mingled fund is
14 getting moved to a separate company, the MSCI
15 EAFE Fund, index fund. And we need to move it
16 to a separate account in order to get rid of
17 the last thing to divest, so that's in
18 process.

19 MR. ADLER: Didn't we just switch the
20 balanced fund?

21 MS. STANG: When we switched Variable B,
22 the bond fund, to the balanced fund as of
23 January 1st of next year, 2018, that will be
24 in a mutual fund. So we will not be able to
25 -- it will just be 70 percent bond index, 30

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2 percent stock index and we won't be able to do
3 anything.

4 MS. PELLISH: That's a very de minimis
5 percentage, but we don't have flexibility.

6 MR. ADLER: We have flexibility within
7 our indices that are in separate accounts. To
8 the extent it's not in separate accounts, I
9 understand you are saying it's de minimis.
10 Then there we don't have flexibility.

11 MS. PELLISH: Right.

12 MS. BUDZIK: Then monitoring and review,
13 so clearly the policy we would probably
14 formalize the monitoring and review process.
15 They are -- they kind of run the gamut by
16 regularly they are vague standards to more
17 specific time frames for monitoring.

18 So actually one point, and this I am on
19 Slide 11, CalPERS has specific monetary loss
20 thresholds which trigger reinvestment from
21 something that you divested fund. We think
22 that changed to a half when we got the more
23 recent policy. It's anything that they divest
24 from is -- the review is every five years and
25 then requires an affirmative vote of the board

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2 to continue with the reinvestment. A previous
3 draft had a threshold that if the review
4 indicated losses of X, you were back in if it
5 appears to exceed. But we would have
6 certainly recommended the policy, have a
7 formalized review protocol. We would
8 recommend something maybe along like every
9 three years, which ties in with the IPS
10 review.

11 MS. VICKERS: And just to get people
12 thinking, we have been looking at this very
13 closely at BAM. We have been trying to figure
14 out with some of the new systems and
15 compliance efforts that we are undertaking and
16 how this fits in. And there are some
17 challenges to what we have been monitoring in
18 the way that the reporting comes, so BAM is
19 definitely I would posit the one to oversee
20 it. And we are going to come back with
21 requests and recommendations probably in the
22 coming weeks to all the boards about how we
23 can kind of streamline and improve that
24 process.

25 One of the most important things is when

1 Proceedings

2 we did a divestment and draft a resolution,
3 that what it says we are supposed to be
4 monitoring is monitorable because we found
5 that maybe that isn't always the case.

6 MS. PELLISH: Can I just go back to a
7 point we made before? So we talked about
8 index funds including and using index applying
9 these divestment policies to index funds
10 versus not, but I think a more difficult
11 conversation is whether we exclude any limited
12 partnerships. So that would exclude the
13 entire asset classes for many divestments.

14 MR. ADLER: So I remember we talked
15 about this in some of these divestments and,
16 you know, when we are listing specific
17 companies, then that's applicable to I think
18 all asset classes. In other words --

19 MS. PELLISH: Currently.

20 MR. ADLER: -- currently and conceivably
21 you can have a partnership, limited
22 partnership, where you divested where if you
23 decide to invest in/buy, take it private that
24 we had decided to not invest in, divest from,
25 but I think because we have these side letters

1 Proceedings

2 and opt-out rights we can probably opt out
3 of such a deal. I think where it becomes
4 stricter is where it's an industry. So let's
5 say some new private prison company springs up
6 or let's say one of our limited partnerships
7 creates a platform for new private prisons to
8 roll up private prisons, but anyway that would
9 be something that I think again we would want
10 to opt out of such a platform if it was
11 industry based.

12 MS. BUDZIK: And I am just assuming:
13 But to date any of the investment initiatives,
14 none of those investments were present in.

15 MS. PELLISH: No. And it's a low-risk
16 probability, but still --

17 MR. ADLER: I think as I recall in the
18 coal, this is probably what you are talking
19 about in regard to difficulty monitoring. We
20 had the list of companies, specific companies,
21 and then we set a standard for any company
22 that derived I think more than 50 percent of
23 its revenue from coal. And that's not
24 something you necessarily know, although we
25 can certainly communicate to our limited

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2 partnerships. And if the limited partnership
3 came to us with a deal and said we are going
4 to purchase this company and it's involved in
5 coal mining, among other things I think we can
6 say to them we have too much revenue derived
7 from coal and they say it's -- no, it's only
8 40 percent.

9 MS. VICKERS: Right, or this kind of
10 coal or that kind of coal.

11 MR. ADLER: Anyway, I understand the
12 challenges. But I would argue that if we are
13 doing something that's based on an industry,
14 that that could apply across the board.
15 Obviously if it's specific companies because
16 if the company's practice is that it's the
17 company's practices, that might be limited to
18 specific securities in that company.

19 MS. BUDZIK: I believe with private
20 prisons, if I remember correctly, the
21 resolution read "If when private prison
22 company, that would come back for the board
23 for consideration for review and it would go
24 through the analysis." So that's one way to
25 do it.

1 Proceedings

2 So next steps, we did want to get some
3 sense from the board on what the feeling was
4 on probably those first three items. The
5 so-called beliefs statement, if it's accurate
6 that the board -- essentially divestment is --
7 a last resort that you would typically go
8 through in engagement process on the
9 engagement language we can add, although I am
10 not -- the sense I am getting from the board
11 is that they would -- unless it's futile, the
12 sense I am getting from the board is they
13 would like that.

14 MS. VICKERS: I would -- because we have
15 already done it. We have a section on
16 monitoring if we can send that to Valerie, if
17 it's appropriate.

18 MR. ADLER: So the part of this that I
19 think is trickiest is the beliefs statement,
20 because I think that really does need to
21 reflect the board's view. And is the concept
22 here that it would be that would be a belief
23 statement just related to a potential
24 divestment or a broader belief statement?
25 Because there has been some talk about doing

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2 an investment belief statement, so you are
3 thinking about something or you are thinking
4 of something narrower or part of a broader?

5 MS. BUDZIK: Well, it's narrow in the
6 sense that it's focused on divestment as a
7 strategy or action that the board might take.
8 And the policies that we reviewed, they did
9 all have -- they articulated the view that
10 it's disfavored. Not that it will never
11 happen, but that the standard -- that it
12 should really be a high standard before you
13 get to a divestment proposal because of the
14 potential impact on returns, your fiduciary
15 duty, and that I also think that the TIAA-CREF
16 language particularly fits pretty well.

17 That's on page 5 and it has those four
18 points. It eliminates your standing rights as
19 a shareholder, forecloses further engagement.
20 Minimal impact on what the company is doing,
21 so you are really not addressing your problem.
22 You are throwing up your hands and saying I am
23 out of here and it could result in losses and
24 negatively affect performance, which is not to
25 say that divestment is off the table; it's

1 Proceedings

2 that it is.

3 MR. ADLER: It's a high bar?

4 MS. BUDZIK: It's a high bar.

5 MS. PENNY: Coming up with this policy
6 will help us, because so often we come across
7 members who want us to divest from something
8 or other and having a clear policy that we
9 will refer to will definitely make it helpful
10 for us.

11 MS. BUDZIK: Sometimes you see
12 statements that we are investing in companies;
13 we are not necessarily approving or supporting
14 what they do. We are investing because we
15 have benefits to pay and we need to generate
16 the funds to pay those benefits.

17 MR. ADLER: Which is part of our overall
18 investment beliefs. I mean, our unstated
19 overall investment beliefs and part of -- also
20 part of what it makes me think is that whether
21 we want to do a standalone statement of
22 investment beliefs vis-a-vis divestment or
23 whether that should be part of the broader
24 statement of investment beliefs that we --
25 that, you know, which we haven't discussed

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2 here, but that that be something the trustees
3 want to consider adopting.

4 MR. KAZANSKY: Well, I think for the
5 moment since this is kind of what we are
6 focused on, I think it makes sense to put
7 together a beliefs statement just solely on
8 divestment. And when we build a beliefs
9 statement overall if that's what we are going
10 to do, hopefully that just gets incorporated.

11 MR. ADLER: Okay, that sounds good.

12 MS. PELLISH: Can I just ask a question
13 since you referred to the TIAA-CREF belief
14 statement? Is there anything in the board's
15 reaction -- the question to the board: Is
16 there anything in this TIAA CREF statement
17 that you think would not be reflective of this
18 board's beliefs and something that you would
19 be uncomfortable? And if you don't want to
20 respond right away, that's fine. But I think
21 trying to get a sense of how to proceed so if
22 there is anything that you object to in this
23 statement, that would be useful to know.

24 MR. KAZANSKY: No, I mean, on its face
25 it's pretty on point, pretty clear.

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2 MR. RODRIGUEZ: So I guess this is
3 coming from thinking about the -- look,
4 ultimately the thought process behind
5 divestment saying that you are ultimately
6 limiting an opportunity set for in this case
7 either your index or an asset manager, I
8 understand that principle, I understand that
9 principle pretty well. I think the wording in
10 this essentially says that it makes it kind of
11 writ that in some cases, you know, for the
12 divestments that we have done, again the idea
13 is that we believe that these -- the entire
14 industry either should not exist in its
15 current form or again engagement is futile
16 that ultimately the industry by itself should
17 not exist.

18 And so -- but in some cases we did some
19 analysis where we feel that ultimately that
20 performance or that the actual -- that it
21 would not compromise our ultimate investment
22 strategy. These are very, very, very small
23 divestments that we have done so far. Not
24 saying we are going to do something larger,
25 but the tracking error has been particularly

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2 minimal. And I would argue that's -- Russell
3 3000, that is 3,000 companies, you can get
4 diversification with far fewer companies. I
5 think that it ultimately if I had this as a
6 policy I would never divest anything, that
7 ultimately I think that the bar -- if we set
8 this as the bar, then I would not be
9 comfortable ever divesting again. I guess
10 that's kind of what I am feeling from this
11 write-up.

12 MS. VICKERS: What about balancing some
13 of this language with other language? Like
14 the first bullet from CalPERS, you know, we
15 can kind of expand on that and how we see
16 fiduciary responsibility and the impact on the
17 portfolio through that PSG, if you will, lens.

18 MR. RODRIGUEZ: I think I find it -- if
19 there is a way to balance it a bit, because I
20 do think this language as a principle
21 precludes divestment entirely. That's my
22 feeling on it, that if we are saying it does
23 not offer an optimal strategy for changing the
24 policies and practices of companies, also that
25 it would result in losses and increase costs.

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2 It has minimal impact, I believe that. I
3 actually do believe that. And I am not
4 talking about my personal beliefs on
5 divestment. I am talking about if this is the
6 policy, from what I am -- how I am reading it,
7 the bar is set to the point that I would be
8 uncomfortable divesting from anything at any
9 time.

10 MS. BUDZIK: This is an excerpt of one
11 provision. The TIAA-CREF and theirs is in --
12 they don't have a divestment policy. It's
13 actually embedded in their proxy policy. They
14 do acknowledge there are instances where
15 divestment is a policy and potentially
16 appropriate. Subject to the fiduciary review,
17 again but it is a high bar.

18 MR. KAZANSKY: And I believe it should
19 be a very high bar. And I, for one, get upset
20 when we spend more time talking about whether
21 or not we are going to divest from a company
22 that we have a few million dollars in than
23 whether or not we are going to invest in other
24 kinds of stuff that we normally invest in. I
25 mean, ultimately we haven't done a lot of

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divestment to date. The divestment that we

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have done recently has really been de minimis.

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And, you know, I think having a good solid

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policy is a good move and I think setting a

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very high bar is a smart move, because I am

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confident that there is a group of people out

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there who would like us to divest from every

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single industry that exists currently from one

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reason or another.

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So I definitely think we should have a

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high bar where we can say to those folks

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listen, you may have a point, but we have a

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policy and a process that is very strict and

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very laid out and it makes sense for us to

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review whether or not this even makes sense to

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consider. And I think the higher the, bar the

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better. I think -- I don't think anything in

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here precludes us from divesting. I think it

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just makes it a more -- makes it what it

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should be, which is an absolute last resort

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for what we are supposed to do as a board.

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MR. RODRIGUEZ: I understand that. My

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feeling, I think we should have a high bar and

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my personal belief is that we really shouldn't

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2 I mean generally. But I was just thinking if
3 you are comfortable, if we are comfortable
4 with this being the bar being -- the way I
5 read this, really we should never divest. And
6 so folks reading it differently, but that was
7 my takeaway when I read this portion.

8 MS. VICKERS: I think we also all agree
9 there should be a very high standard. And as
10 fiduciaries we have to have the high bar, but
11 I don't think we are going to adopt this
12 verbatim. Do you want to volunteer to work on
13 it a little bit, which --

14 MR. RODRIGUEZ: I think this one in
15 particular, because maybe it's adding bullet
16 points or what have you. I think I have
17 expressed that.

18 MS. VICKERS: I mean, I think that this
19 is maybe the core of what we are getting to.
20 And if there needs to be some editing, there
21 could be editing. But I am comfortable with
22 using this as a basis.

23 MR. ADLER: I think it's fine. We are
24 not making any decisions here except to
25 consider a divestment policy and I think that

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2 makes sense.

3 I just want to point out one thing about
4 the implications of this, which is that for
5 all intents and purposes our use of a
6 permissible countries list is a divestment.
7 We have divested from Russia and China and
8 other countries that are not on our
9 permissible countries list, so one could argue
10 -- I am not making that argument, but I think
11 one of the implications of this is that if we
12 subjected that policy to this proposed policy,
13 I am not sure that we would maintain that
14 list, you know what I am saying. So I just
15 think that's something we should consider that
16 we call it permissible countries list, but
17 what it's really doing is creating a
18 divestment list. When we are investing in
19 emerging markets, we are saying we are not
20 going to invest in these set of countries.

21 MR. KAZANSKY: But we have had moments
22 where investment opportunities have been
23 brought to us where we said this is fine even
24 in these companies, especially in the private
25 markets.

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2 MR. ADLER: Correct. But in the public
3 market we have never done that, to my
4 knowledge. But, anyway, just something to
5 throw into the pot as we consider this policy.

6 MS. PELLISH: So, Valerie, in the review
7 process, therefore, would the permissible
8 countries list be applied and have to adhere
9 to the review process?

10 MS. BUDZIK: I mean, would it have to?
11 I mean, I would argue it probably should.

12 MS. PELLISH: Because it would fall --
13 as John is saying, fall into the bucket of
14 divested securities?

15 MS. VICERS: Right. As we are doing
16 with some other boards, there is a different
17 process for coming up with a permissible
18 countries list. So maybe -- and I thought we
19 talked about it maybe in the beginning of our
20 IPS discussion, that the permissible countries
21 list because we have had to come for
22 exemptions, maybe it could be looked at and
23 revisit the policy of using that list or how
24 we came to that list or what went into that
25 list. So we can either bake it into this or

1 Proceedings

2 maybe the permissible country screen needs its
3 own discussion and policy.

4 MR. ADLER: We will put that on our
5 to-do list.

6 Okay. So do you feel like there is
7 enough direction here to move forward? And I
8 know Antonio has been volunteered.

9 MS. PELLISH: He didn't accept the
10 challenge.

11 MR. RODRIGUEZ: I did. But, John, thank
12 you for articulating what I was trying to get
13 out inartfully. Again, this is saying you
14 should never exclude anything from your
15 opportunity set. That is what I am seeing
16 this policy as saying, that ultimately
17 mechanisms to limit your opportunity set are
18 essentially invalid. And so that's what, to
19 me, I was getting at.

20 MR. KAZANSKY: I think invalid as much
21 as unadvisable, right, and then it's our
22 decision to determine whether or not in this
23 particular case it makes sense.

24 MR. ADLER: So I just think we should
25 keep that in mind as we craft this policy is

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2 the point that, you know, even calling it
3 inadvisable doesn't make me terribly
4 comfortable from a fiduciary perspective.
5 Because if the board does something that's
6 inadvisable, then that probably lays us open
7 to challenge and so...

8 MR. KAZANSKY: That's why I will leave
9 the wording to the professionals.

10 MR. ADLER: What we are really doing is
11 trying to create a policy that makes our
12 decision advisable, as it were. I don't know
13 if that's the right term, but whatever the
14 term.

15 MR. LEVINE: Having a clear process for
16 determining whether it's decided to be
17 appropriate.

18 MS. BUDZIK: In certain respects I would
19 say it's what follows after the beliefs
20 statement is that, you know, we do recognize
21 there are instances where whatever company is
22 -- that's the substantial social injury
23 trigger, so it's not never. It's just, you
24 know, slow down and you do have the trigger,
25 the bar is high.

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2 MR. ADLER: And I do think frankly that
3 the process of running this proposed policy
4 through reverse engineering in terms of the
5 decision we have made, whether it's specific
6 divestments we have taken or policies that we
7 have adopted, is something that we should do.
8 Not adopt it in a vacuum, but look at it in
9 terms of even if we haven't had this process
10 to date, but seeing to it that the process
11 would not preclude us from taking decisions
12 that we have taken in the past that we think
13 are appropriate.

14 MS. BUDZIK: Correct. Correct. So I
15 guess there is direction and then we are
16 getting input from Susannah and Antonio and
17 our goal would be at the next board meeting to
18 have a draft.

19 MR. ADLER: I would say if you could, do
20 it by then. When you are saying Antonio and
21 Susannah, is there a Teacher member who would
22 be part of it?

23 MS. BUDZIK: Oh, they are part of it,
24 but they have specific items.

25 MS. VICKERS: I volunteered to put in a

1 Proceedings

2 piece.

3 MR. ADLER: And Antonio has some
4 specific item.

5 MR. McTIGUE: Rewording on the
6 TIAA-CREF.

7 MR. ADLER: Terrific. Any other
8 comments or questions on the divestment
9 policy? Let me just commend the staff for the
10 work that you have done on this.

11 MS. BUDZIK: I mean, Miss Sara Chaudhri
12 she is sitting there on the bench, but she did
13 a lot of work gathering the policies.

14 MR. ADLER: Great. So now I think we
15 move to our final item that we added at the
16 beginning of this agenda, which is the
17 discussion about co-investments.

18 MS. VICKERS: So I will introduce David
19 Enriquez. For anyone who doesn't know him, he
20 is a senior member of our private equity team.
21 Alex Done worked with him in developing this
22 educational presentation. Alex is leaving
23 today, probably on his way to the airport for
24 a well-deserved vacation over the weekend.

25 So take it away.

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2 MR. ENRIQUEZ: So let me introduce
3 myself. I joined the team at the Bureau of
4 Asset Management about a year and a half ago.
5 And just to set the discussion in context:
6 You may recall at the December CIM when Alex
7 presented the annual implementation plan for
8 private equity he had mentioned, and I think
9 we had a slide in there indicating, that the
10 BAM team has been doing market study work and
11 we were going to come back to the trustees for
12 some preliminary views and findings. And so
13 that's what we did at the August summer
14 session, so that's sort of the spirit of the
15 materials that we want to present to you
16 today.

17 I think also, you know, having
18 participated in the August session I would
19 encourage you to interrupt and ask questions,
20 make this as interactive along the way as
21 possible. So I think, you know, you will see
22 on Slide 2 the key topics that the team is
23 focused on are listed there. What we want to
24 cover today is what is a co-investment; how
25 large is the market opportunity, what are the

1 Proceedings

2 potential strategic and financial benefits to
3 the systems, as well as what are the
4 challenges. And that's kind of been the focus
5 of our work so far.

6 Just to kick it off with what is a
7 co-investment: As many of you now know, and
8 also just reference there have been a number
9 of manager commitments as you may recall in
10 the past twelve months where we have had
11 co-investment sidecar vehicles, so we do have
12 some experience in co-investing. But they are
13 equity or credit investments in private
14 companies and really assets alongside the
15 general partner where the general partner will
16 manage, monitor the investment, determine exit
17 timing, sit on the board. And the limited
18 partner co-investor is a minority equity
19 investor alongside our manager. One of the
20 key advantages -- when we talk about size of
21 the market and give you our estimate of the
22 market size, one of the key advantages and key
23 drivers is at least in private equity they are
24 typically with zero management fee and zero
25 carried interest. In the other asset classes,

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they are at significantly reduced fees and carried interest. So they are fee-favored strategies or an asset class. One of the key distinctions is unlike fund commitments where we as a large LP or significant LP can have some influence over the timing of the closing because you will have sometimes multiple closes in a co-investment, it's an investment in a direct company or infrastructure project where it's driven by the deal timing and, more or less, a mergers and acquisition process. So as a minority equity investor, we have less control over the timing.

I will just pause there for any questions. Okay, I will keep moving along.

So within a co-investment marketplace, there are three types of co-investments. We put them in these broad categories. The first is what the markets call a co-sponsored deal where an LP is essentially working side by side with a general partner in originating, sourcing the transaction, conducting due diligence. And there we would call this sort of a six-week time period just to give it an

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2 estimate. And then we have a co-underwritten
3 deal where the general partner is working on
4 the deal, they are processing it, and they
5 have gone through a level of due diligence,
6 and then they will invite a limited partner to
7 join them in and co-invest. And that timeline
8 could be four weeks or longer. And then there
9 is something that we call, the market calls, a
10 syndicated deal. And that typically is where
11 the general partner has made an equity
12 commitment to invest or acquire a company and
13 they take -- for example, let's say they are
14 writing \$100 million equity. They may do 80
15 million themselves, they will reserve 20, and
16 either close to closing the transaction or
17 actually after they sign and fund, they will
18 take the \$20 million and syndicate that to LP
19 co-investors.

20 The important thing to mention is the
21 time difference period can differ based on
22 when you are getting in on the deal. So going
23 down the column you get involved very early as
24 a co-sponsor and you get involved very late as
25 a syndicated co-investor, but the

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decision-making time frame is always going to be tight. It's just either going to happen earlier in the process or at the end of it. And when we looked at the co-investing activities of NYCERS of the five systems, it's not as if we have not been co-investing at all. From a private equity perspective, just a reminder I think it was in the summer of 2015, before my arrival, the board approved a private equity sub-allocation to co-investing, which I believe was up to 15 percent of private equity. As we mentioned, we do have some sidecar vehicles. But when you look at the four private market asset classes, there have been a level of co-activity. So, as I mentioned, in private equity we have -- historically we have been LPs in co-investment funds that just co-invest in a co-mingled fund. So we are just a straight LP and then we have also done sidecars. Yvonne and the real estate team, they have six real estate co-investments in the real estate portfolio. And they have evaluated north of ten and they worked with their specialist consultants to

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2 execute on those transactions.
3 Infrastructure, they have been invited to
4 co-invest in a number of transactions. And
5 they have evaluated them, but they haven't
6 chosen to pursue the co-investment yet. And
7 Wesley and private debt or opportunistic fixed
8 income team, they are evaluating the
9 marketplace and what would be the best
10 approach for their asset class. So there is a
11 level of exposure and experience already
12 within BAM.

13 As you will see on the next slide, Slide
14 7, when you look at what our public peers are
15 doing and as you see the bar chart here, these
16 are bars based on total assets under
17 management. We are at NYCRS kind of standing
18 alone, taking a kind of ad hoc approach. So
19 the private market our approach has been if a
20 GP invites us to co-invest, we may choose to
21 evaluate the opportunity. We have sidecars,
22 but we don't have a defined systematic
23 program. All of the other public pension
24 plans listed here, they have a program and
25 what we have learned is there is a range of

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approaches. Some do it in-house where they have their internal team work directly with the GPs on co-investing. Others will have what we call an outsource model, where they hire a manager and allocate capital. It could be a separate account or we have seen something called a club structure, where some will have three or four public plans working with a professional co-investment platform and they will manage that capital and then allocate to the four or five plans. And then others take a some sort of hybrid approach where they are doing something in between those two.

Then we took a shot at trying to quantify the market opportunity you will see in Section 2 on Slide 9. There has been a lot of market interest and chatter and focus on co-investing. The challenge is unlike fund commitments, there is no requirements for GPs or LPs to report to any regulatory authority how much co-investment they are offering or how much co-investments they are making. So these are market estimates. So what our

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2 approach, what we did, was McKinsey & Company
3 published an annual private equity study and
4 they were estimating the co-investment market
5 and they also use a term called "shadow
6 capital" represents anywhere between 10 to 12
7 percent of total capital raised. And so what
8 we did was we applied that 10 to 12 percent
9 range to capital raised in 2016 for the four
10 private market strategies. And you will see
11 as a total, it's about a 60 to \$70 billion
12 marketplace.

13 So that's our estimate and, you know,
14 this is kind of rough numbers, but I will try
15 to take a step back and what I point out is
16 the significance is twofold. One is that the
17 total market is 60 to 70 billion. And even in
18 each of the four classes, the co-investment
19 markets, first they are deep enough that you
20 are able to be highly selective. If these
21 were small markets, selectivity is a key
22 element. And the second point is as a large
23 public plan, you know, we are kind of in the
24 top five. And, as you know, we make large
25 commitments in private markets kind of on a

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2 fund basis. It's deep enough to -- it's deep
3 enough for the five systems to deploy
4 meaningful capital because if it wasn't deep
5 enough, then you wouldn't be able to move the
6 needle or efficiently invest.

7 MR. ADLER: I think this kind of
8 understates the market because you are just
9 talking about one-year capital rates.

10 MR. ENRIQUEZ: This is an annual basis.

11 MR. ADLER: If you are saying in general
12 funds raises across three or four years, you
13 are really talking about at any one time the
14 market is probably at least three times this.

15 MR. ENRIQUEZ: That's a very good point.
16 And I would say I did find some studies and a
17 couple of articles where they were mentioning
18 that the size of the market was almost say 5
19 to 7 percent of capital raised maybe 10 or 12
20 years ago.

21 And I will get to a slide because it's
22 been driven by -- and maybe this is worth just
23 addressing that now. LP demands to GPs for
24 lower fees, right, and the response from our
25 managers and the industry has been well, we

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will offer, you know, co-investment on a no fee, no carry basis for a small piece of equity. And what the GPs discovered -- and this is a key question because we are sort of why would GPs do this, why were they providing fee-favorable, no-carry investment opportunities and they are doing it for a number of reasons. One is it provides them to manage their portfolio from a risk point of view. So let's say in a given investment having 15 percent exposure to one asset they will say we want to be a 10, so they will reduce their commitment and syndicate as co-investments that remaining 5 percent so they will use it as a portfolio management tool. So as we do diligence, some of the large cap managers that I have worked on -- since I joined the team, a lot of the big managers have learned this from the financial crisis; they have too much exposure to one asset that could significantly impact the portfolio, so they using it as portfolio management. And they also found that, you know, from their perspective they want to

1 Proceedings
2 build strategic long-lasting relationships
3 with their big LPs, right? So by offering
4 co-investment, that becomes fee favorable for
5 the LP and at the same time -- and this is
6 something that it's sort of an intangible that
7 we address later on. At the same time instead
8 of interacting like from the investment staff,
9 instead of interacting every three or four
10 years on the fundraising cycle where they are
11 out marketing and we do our diligence and
12 present to the IC and then come to the CIM,
13 when you are doing co-investments you are
14 interacting on individual deals during that
15 three or four-year period when they are in
16 their investment period. So then from a GP's
17 point of view they spend more time with the
18 investment staff and they develop stronger
19 relationships, which is also a benefit for us
20 as an LP which I can get to later. So they
21 have found that strategically it makes sense
22 for them and that's their sense of why the
23 market has broken and why the GPs continue to
24 offer co-investment.

25 MR. KAZANSKY: If we get into a private

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equity deal of ten years and the first five are the investment period, does the co-investment have to happen within that investment period of those first five years or can it happen at some point later on; you know what I mean?

MR. ENRIQUEZ: Right, it depends on how a program is set up. I will give you an example. Are we in public session?

MR. KAZANSKY: A hypothetical would be wonderful.

MR. ENRIQUEZ: I will give you a hypothetical or how some other LPs do it. Some LPs who have like a dedicated program, they allocate let's say just for round numbers \$100 million to co-investment. They are able to source to potential transactions, you know, decline transactions, accept transactions regardless of the length in the fund's investment period because there are multiple managers in their portfolio relationships. I think that's different from like a sidecar vehicle where your co-investment opportunity lives simultaneously with that fund, so there

1 Proceedings

2 is the difference. So if you have a
3 co-investment program that gives you that
4 maximum flexibility, then you could -- you are
5 not locked into an investment period and you
6 are not locked into a manager because --

7 MR. ADLER: But a manager is not going
8 to bring you -- if you are not an LP with that
9 manager, they are not going to bring you a
10 co-investment opportunity, are they?

11 MR. ENRIQUEZ: No, that's right.

12 MS. VICKERS: But the co-investment
13 opportunity could be separate and distinct
14 from the fund.

15 MR. ADLER: Understood. Let me ask this
16 question: Let's say you are an LP in Fund 4
17 which has a four-year investment period but
18 for whatever reason you decline Fund 5 and
19 then in Fund 5 they got a deal they are
20 looking for co-investors, might they bring you
21 that deal if you have your own co-investment?

22 MR. ENRIQUEZ: I think it depends on
23 facts, on circumstances if an LP declined Fund
24 5.

25 MR. ADLER: There may be a reason for

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2 it.

3 MR. ENRIQUEZ: There is probably a
4 reason. If you don't have conviction in the
5 manager going forward, you are probably not
6 going to want the co-investment. We talked to
7 LPs recently where they are in Funds 2 and 3
8 of a manager. They missed 4 due to the
9 financial crisis, but they continued to do
10 co-investing with them and they are coming
11 back into 5 which is marketing at 18. They
12 are planning to go into 5, so I think it
13 depends.

14 MR. ADLER: Understood.

15 MR. ENRIQUEZ: But I will keep going
16 along, so feel free to interrupt. So on the
17 next slide, that's where I had addressed a
18 little bit about why GPs are offering
19 co-investment and this was a survey. There
20 was also a survey on the left bar chart,
21 Preqin 1, of the sort of databases and
22 resources when you do market studies. They
23 did this survey and you could see there is a
24 positive or upwards trend in terms of GP
25 interest in offering co-investment for the

1 Proceedings

2 reasons that -- some of them I touched on this
3 on Slide 10.

4 So the next slide, as BAM did work doing
5 some desktop research, talking to our peer
6 institutions, talking to other LPs who were
7 not public plans, we tried to get a sense of
8 who is co-investing. And what we summarize on
9 this slide is basically nearly every type of
10 LP is actively co-investing. And the reason
11 -- we will get into it, because there are
12 significant financial and strategic reasons
13 why. But they are taking all different
14 approaches for many different reasons based on
15 their strategy, the type of institution, which
16 asset classes they are looking at. But Slide
17 11 just sort of, you know, kind of summarizes
18 it's a widely implemented strategy among the
19 limited partner members.

20 So Section 3 we will just dive into what
21 are the potential strategic and financial
22 benefits. The first one is the ability to
23 outperform. And since I am on the private
24 equity team, just to give you a sense from a
25 perspective, our estimate based on industry

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2 research and looking at some of the returns
3 from co-investment strategies is a delta
4 compared to just private equity funds. There
5 is like a 400 to 800 basis point potential for
6 incremental returns from a co-investment
7 strategy and that's driven by two things. One
8 is you have a no fee, no carry tailwind. So
9 immediately what you normally see as the gross
10 net spread of fund returns, you would just
11 eliminate that. And then the second which,
12 you know, the BAM team has learned in talking
13 to co-investors and other LPs is being highly
14 selective. The key is to be selective in the
15 investments that you make. You know, the
16 typical approach is, you know, in terms of the
17 standard for being highly selective, the way
18 we see it using round numbers if you source
19 100 invitations from your GPs to co-invest.
20 You would want to go into due diligence on 20
21 percent of them and probably invest in 3 to 5
22 percent.

23 And one of the things I would say to
24 highlight is, you know, you also have to think
25 -- these are also from your GPs or let's say

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2 your primary report GPs. The private equity
3 investors, they themselves are spending
4 months, if not years, trying to source and
5 acquire companies. And we always see this
6 when we do fund due diligence, they will show
7 us -- they always show us the deal funnel. So
8 they start with 300 companies they are
9 tracking and they go into due diligence to
10 like maybe 40 or 50. They submit bids on
11 twenty and acquire five. So co-investors
12 benefit from almost that initial filtering of
13 the GP. So your GPs are highly selective.
14 They generate opportunities in co-investments
15 for LPs and then an LP has the opportunity to
16 be selective on top of that with your own
17 filtering device.

18 MR. RODRIGUEZ: David, I have a question
19 on the first, on the ability to outperform.
20 On the 400 to 800 basis points, are they risk
21 adjusted? Your estimates on return, is that
22 just because each individual deal by itself is
23 going to have a mean return with a large kind
24 of variance if it's just individual deals, so
25 is that risk adjusted?

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2 And the second question is: How much of
3 that estimate is strictly fee related?
4 Because the no fee, no carry is a very large
5 portion of homework, I can imagine. Was it C
6 and benchmark says something like 300 basis
7 points --

8 MR. ENRIQUEZ: Gross to net spread.

9 MR. RODRIGUEZ: -- of the difference?
10 So I was wondering: Where did that estimate
11 come from?

12 MR. ENRIQUEZ: It's a great question.
13 It's something we struggled.

14 MR. KAZANSKY: First great question of
15 the year.

16 MR. ENRIQUEZ: The way we get to this
17 rough estimate of 400 to 800 basis points is
18 we kind of took a multiprong approach. And
19 there is a study that Prequin did, which I
20 mentioned before they published, where they
21 compare co-investment funds because there are
22 funds where they have a dedicated strategy
23 where all they do is minority equity
24 co-investment. They are not buying companies
25 themselves; they are co-investing alongside

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GPs. So you will often find with this platform, that has like a primary fund-of-funds program like BlackRock or HarbourVest or others. So they have the GP relationships and they get invited so they will co-invest. So Preqin did a study where they looked at publicly available data of co-investment funds versus just normal buyout funds and that's where there was a spread of call it 200 to 600 or so basis points. And then we had other multiple sources where we looked at our own view of like in our e-portfolio gross-to-net spread what we typically see and then you had just performance. Because when you look at some of these co-investment funds who are out marketing or have their returns available, we sort of estimated it's a fairly wide range. It's 400 to 800, double the lower end. But we don't have an exact number in terms of what would be the driver. If -- I think a significant portion of that is no fee, no carry because like I read a really interesting article where they said there is no such thing

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2 as an average investment; it doesn't exist
3 because everything is all over the place. But
4 if you look at average numbers, and there is a
5 study here that we have an appendix, if you
6 invested in the same average private equity
7 investment and you got rid of the management
8 fee and carry, then you are immediately
9 starting with about call it 2 to 300 basis
10 points of uplift, but the challenge is there
11 is no such thing as an average investment.
12 And from our perspective of BAM and doing the
13 market study and the research, the key is
14 being selective.

15 MR. BROWN: Is the due diligence
16 different in co-investments? I would assume
17 if it's a single investment instead of
18 investing in funds --

19 MR. ENRIQUEZ: It is. We list that.

20 MR. BROWN: How is this different?

21 MR. ENRIQUEZ: I mean, there is only a
22 few bullets. But on Slide 20 there, it's one
23 of the key challenges to co-investment.

24 MR. ADLER: I don't have a Slide 20.

25 MS. VICKERS: Slide 15.

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2 MR. ENRIQUEZ: Slide 15. So it is very
3 different and I can speak to it kind of from a
4 personal basis just because I -- before I
5 joined the Bureau of Asset Management, I was
6 an M&A -- I worked in M&A advisory, so working
7 with private equity firms on acquisitions and
8 sales. And started out as an M&A lawyer, so I
9 come from the transactional side.

10 So co-investing involves two types of
11 due diligence. It's direct asset due
12 diligence, so it's looking at a company,
13 income statement, balance sheet, doing
14 financial analysis on the company. But it
15 also, which is very important, involves what
16 is our bread and butter which is manager due
17 diligence. So, for example, as you may recall
18 when I first joined we just did a re-up
19 commitment to Vista Private Equity, the big
20 tech buyout fund. So like if Vista --

21 MR. ADLER: That's okay. That's an
22 existing manager.

23 MR. ENRIQUEZ: So you want to look at
24 co-investment opportunities that are directly
25 in the core of what your managers are doing.

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2 So if a tech buyout fund were to offer us a
3 co-investment opportunity, that is an
4 enterprise software going private where they
5 have that track record and it's the right
6 partner who does it. And then we also layer
7 onto that due diligence on the company and
8 that's what co-investment involves, two skill
9 sets. Manager fund due diligence kind of
10 meeting with direct asset due diligence.

11 MS. VICKERS: Which is different that
12 direct asset due diligence is not necessarily
13 part of what we do.

14 MR. ENRIQUEZ: It's a different skill
15 set. And that's -- and what I would mention,
16 since this is public session I won't use
17 names, when you do look at the BAM investment
18 staff, in each of the private asset classes
19 there are senior members who have direct
20 experience, whether it's on the lending side
21 or the advisory side or the banking side or
22 the investing side where they have experience,
23 doing the kind of asset specific due diligence
24 that co-investment requires. So there isn't a
25 -- from a profile of the team, there isn't

1 Proceedings

2 like a complete disconnect.

3 MR. ADLER: So like just to put a fine
4 point on that: If a private equity manager
5 with expertise in enterprise software came to
6 you with a great deal for furniture retail
7 chain, you would like kind of askance where
8 they are not doing their bread and butter, but
9 outside their --

10 MR. ENRIQUEZ: Yes. And when we talk to
11 fellow LPs, other institutions, a lot of times
12 they will have an initial checklist where it's
13 sort of kind of a two-page memo internally
14 where it's is this core to the strategy, who
15 is the partner on the deal, what's that
16 partner's track record generally and then
17 within the subsector, and then that may be the
18 first filtering device when you start out with
19 a hundred opportunities and you eliminate
20 eighty of them. Oftentimes as we learn that's
21 not core to this manager's strategy, that's
22 not their strength, we would rather do this
23 type of deal with someone who has more
24 experience because there is too much risk
25 there.

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2 MR. ADLER: Can I just ask another I
3 think related question that you may think it's
4 unrelated, we will get to this, which is:
5 Isn't there a concern that where managers have
6 no specific criteria for what takes
7 co-investment and what doesn't, that they
8 basically are bringing -- not you per se, but
9 bringing co-investment opportunities for deals
10 where maybe they don't have 100 percent
11 conviction and they want to lay off their
12 risk, so if they think this deal is a home run
13 they are going to keep the equity for
14 themselves; if they are not so sure or maybe
15 they think this will be a single or a double,
16 they will say let's get Mikey over here?

17 MR. ENRIQUEZ: I remember Mikey. He
18 died eating Pop Rocks.

19 So there has been questions around that.
20 So there was a study that was published by
21 Josh Lerner up in Harvard Business School
22 talking about what they call adverse
23 selection, which is your point --

24 MR. ADLER: Yes.

25 MR. ENRIQUEZ: -- where, you know, the

1 Proceedings

2 GP is in control. There is information
3 asymmetry, they may have a bias to offer for
4 co-investment the riskier, less attractive
5 opportunities and keep for themselves the ones
6 they have a higher conviction in, so Lerner
7 study created a lot of concerns for LP and
8 co-investors.

9 There was a study that just was
10 published in November of '16 by three authors
11 Braun, Jenkinson, and Schemmerl, and a summary
12 of it is on Slide 21 in the appendix.

13 MR. ADLER: Again, we don't have the
14 appendix.

15 MR. ENRIQUEZ: But I do have a hardcopy
16 of the study. It's an academic study, so I
17 can share. I have five copies and I can
18 e-mail them. They took the approach of
19 looking at a longer period of time. They went
20 from 1981 to 2010. They looked at 13,400
21 deals from about 465 funds, so that's the
22 initial opportunity set. And then there were
23 about a thousand co-investments and what they
24 did -- and geographically split it was 61
25 percent U.S., 30 percent Europe, and the

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balance 9 percent other. And what they did, they compared the performance of the co-investment opportunity to the funds that didn't get offered for co-investment. And what they found was there was no adverse selection. The return -- I am going off of memory, but it's in the study. The co-investments generated 1.71 percent on a multiple basis and the fund ones generated 1.75 or 6, so there was no like statistically significant difference between performance. And so that study, which was more comprehensive, kind of refutes the more previous academic study.

And these are academic studies they use their databases, but from our perspective what we see is it's in the GP's interest I mean to have, you know -- I think it's different like you were saying if there is a GP -- or maybe you weren't saying this. A GP who offers co-investment to somebody who is not an LP, then your red flags are going up. But with respect to an existing relationship, our view based on what we learned so far is the GPs

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2 have the incentive to offer -- not to kind of
3 dish off to LPs higher risk investments and
4 this academic study seemed to support that.
5 But I think even buttressed by the performance
6 of co-investment funds that are out there,
7 they have been able to outperform the straight
8 private equity fund benchmark.

9 MR. ADLER: On a net basis, because I
10 wondered about that.

11 MR. ENRIQUEZ: Yes, I mean, from what I
12 have seen on a net basis.

13 MR. ADLER: Okay.

14 MR. KAZANSKY: Why sour the relationship
15 with a bad co-investment.

16 MR. ADLER: Well, bad or not as good,
17 you know, whatever. I mean, I don't think
18 these guys are -- you know, have larger hearts
19 than anybody else on Wall Street. I think
20 they are out to maximize their own earnings.
21 I am such a skeptic.

22 MR. ENRIQUEZ: I agree. It's not a
23 matter of generosity that they are offering
24 co-investment, but I think it's -- sort of
25 from a GP's perspective, it's relationship

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building and enhancing that relationship which increases the likelihood of, you know, the more you get to know us if you work with us on a co-investment and you are in Dallas or Missouri looking at a manufacturing company not with the head of investor relations, right, who is our contact on fundraising but with the deal partner who works on auto manufacturers, then you get to know the team in a different context. And that it's sort of, as I mentioned before, it's -- again, it's on Slide 10 -- from their perspective, strengthening the LP relationship with multiple touch points creates more of a relationship where it's more likely that you will continue as an investor in the fund.

And there is also -- you know, it's worth pointing out there is also opportunities; we have seen this and heard about transactions where you could be what they call a strategic LP co-investor. So, for example, if there were -- and I don't know the details because I am not on the infrastructure team, but I know they reviewed a number of

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2 co-investor opportunities like an
3 infrastructure project, investment opportunity
4 in the metropolitan area or in New York State
5 where having New York City as a co-investor
6 enhances that investment consortium or that
7 manager's ability to either win the mandate or
8 to execute on it. We have seen that happen.
9 We have heard of instances where some of our
10 GPs, they have done that where they are buying
11 a portfolio company in Asia and they want to
12 make sure they get Temasek or GIC, one of the
13 Asian sovereign wealth funds as a co-investor.
14 Or the same thing in Canada, there was one GP
15 they had an asset they were buying in an
16 Canada and they got a couple of big Canadian
17 pension funds involved who were very active in
18 co-investing. So there are opportunities
19 where you could be strategic as well.

20 MR. LEVINE: In some cases they want
21 control, but they don't want certain tax
22 structures where they have too much ownership.
23 The LP can be a more valuable partner than
24 having a club deal where they have to deal
25 with other firms that are doing that type of

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2 valuation. So it could be good for types of
3 tax planning and management planning, so
4 that's a whole another reason for why to do it
5 which ties into why this over club deals.

6 MS. VICKERS: I don't know if this is
7 applicable, but I just recall from recent
8 discussions with another manager that we have
9 a relationship with they talk about
10 differentiation of their revenue stream. And
11 it's good for them to have different kinds of
12 relationships and different kinds of products
13 and deals. They are not just for all the same
14 lens.

15 MR. ENRIQUEZ: So I think I hit the
16 point on outperformance.

17 I think just quickly, I want to be
18 mindful of time, on Slide 13, the other
19 potential benefits of co-investing, it
20 provides a pension fund system or any city LP
21 with active portfolio construction. What we
22 mean by that: As we monitor let's say in
23 private equity, we monitor the portfolio and
24 you look at the geographic distribution of
25 investments, industry distribution,

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2 sub-strategy. And by "sub-strategy" would be
3 say buyouts, growth, special situations
4 turnaround. To the extent that, you know, the
5 economic environment or the investment
6 environment provides opportunities, you know,
7 that we would like where we identified where
8 we may be underweight, co-investment allows
9 you to invest capital that are immediately in
10 the ground. Unlike committing to a fund where
11 you commit to a manager and they have
12 whatever, a three, four five-year investment
13 period and you don't have control over where
14 they go. If you are a general buyouts
15 manager, where will the initial investments be
16 in distribution manufacturing healthcare
17 business services. But if an LP is monitoring
18 a portfolio and you say, you know what, we are
19 very underweight in health care or we have too
20 much exposure in Western Europe, co-investment
21 allows you to invest capital and immediately
22 address and sort of tactically do that. Not
23 that anybody is a market timer or you can time
24 anything, but in a slow -- as we are in a slow
25 growth/high-valuation environment, as we

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2 explore this opportunity, you know, do you
3 want -- do the systems want to consider being
4 in a system where you can make tactical
5 decisions that can be more opportunistic and
6 more advantageous.

7 MR. RODRIGUEZ: Kind of following up on
8 that, because this is far out to the future,
9 but with fund investing we also usually get --
10 annual planning folks get a feeling who is
11 coming to market pretty soon. So even though
12 it's not perfect, you do have kind of an idea
13 of what the flow of funds is going to be.
14 With co-investments deal flow, I can imagine
15 there is much more variability in deal flow
16 and the opportunity to kind of plan out is a
17 little bit less able to kind of plan than with
18 kind of the fund investment. So when you give
19 discretion, it's sort of fairly wide bands on
20 your year to year co-investment program.

21 MR. ENRIQUEZ: I would think about it
22 this way: If an LP were taking what I call an
23 opportunistic approach where you are waiting
24 to be invited like to co-invest in this
25 company or this infrastructure project, then

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2 you are right. I think it's a question of but
3 if the programs that we have learned about in
4 the marketplace, whether they are public plans
5 or private plans or sovereign wealth funds,
6 what they do is they actively source. So they
7 will go to their existing GPs and say, you
8 know, we have a co-investment program, we are
9 interested in these types of industries, these
10 type of transactions, and this equity check
11 size.

12 And the way we -- what Alex and the
13 private equity team when we talked about this,
14 based on what we learned so far I think the
15 right way to think about it is how could a
16 co-investment program like for private equity
17 complement the existing fund portfolio. Like
18 it doesn't exist in isolation. It shouldn't
19 be a, you know, you will build it as
20 opportunities come in. It should be let's
21 look at the PE fund portfolio and then how can
22 this enhance returns. And that's this point
23 about being tactical and being a portfolio
24 construction tool. It would allow the systems
25 to say okay, we need more exposure to this

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geography, this subsector or this PE strategy. Just like in the annual implementation plan where I think even last year we sort of recommended, or the consultants recommended to us as well, leaning into certain strategies like turnaround special situations then, you know, a co-investment program allows you to further execute on those types of plans. So I don't think it should be something that's seen in isolation. It should be something that's within the control of the systems. And I think -- on Slide 13 we have covered some of the other potential benefits.

Just real quickly on enhancing the fund investment portfolio, the way we think about that is the point I made before: When you are working on a co-investment with a manager, you are side by side with their deal team on a specific real estate project infrastructure investment or company and that allows the relationship to develop over time. So when they come back to market for a fund commitment, we as an investment staff can conduct more rigorous due diligence because we

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2 actually know how they have underwritten these
3 assets. We are not just getting the quarterly
4 update or the annual meeting presentation. We
5 were in due diligence with them and it allows
6 us to be more efficient, because we have spent
7 more time with them beyond a traditional
8 fundraising cycle.

9 Fee efficiency we covered. Only one
10 thing I would note is that private equity is
11 generally no fee, no carry, but that doesn't
12 factor in a vehicle or program that may be set
13 up that would incur some fees, right? Like if
14 we were to do co-investing directly from the
15 GPs, the invitation we get there is no fee, no
16 carry. But some of the other plans we would
17 get whether they are outsourced or partners,
18 there is some incremental fee involved because
19 you are using third-party resources as an
20 extension of staff.

21 And then lastly putting us on level
22 playing field, that others are like other
23 plans are doing it and it also allows us to be
24 competitive in terms of securing the
25 allocation size that we want in our fund

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2 commitments. I think as we have all
3 experienced in the past twelve months or so, a
4 lot of high-performing large funds have had
5 very quick closes. And I know the team's
6 private equity and I am sure other asset
7 classes, it's always been a tough negotiation
8 to make sure we secure a large enough
9 allocation. And co-investing would be one
10 incremental way for us to do that.

11 So on the challenges, we have identified
12 three, you know, main ones worth highlighting.
13 And the first is sourcing high-quality deal
14 flow. I think that is sort of a key
15 fundamental starting point for a successful
16 co-investment program and that's something we
17 would be able to do with our primary managers.
18 We did a quick internal review and the have a
19 vast majority -- at least within private
20 equity, the vast majority of our key private
21 practices do actively offer co-investments to
22 our LPs. Deal selection and execution, I
23 think I covered kind of starting with a
24 hundred opportunities you would probably due
25 diligence twenty and then, you know, close on

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three or five. And also the point that was raised earlier about it requires two different types of skill sets in due diligence; the fund manager due diligence which we do regularly, as well as direct asset company real estate infrastructure due diligence.

MR. ADLER: Can I just ask a follow-up question?

MR. ENRIQUEZ: Yes, please.

MR. ADLER: You mentioned earlier we have people in each asset class team who have that experience to do both types of diligence. So would that mean that if we were to move towards creating a dedicated co-investment program, my assumption is that you would need to add staff for that and the expectation would be that you would come back if a program were approved with a request for funding for additional staff?

MS. VICKERS: I think sort of the overall recommendation if the board wishes us to go back and sort of come up with more detail would include that, you know, depending on what way the board wants to do. It would

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2 depend on more what kind of additional staff
3 we would need.

4 MR. ENRIQUEZ: I guess to address the
5 question, the way I would characterize it is
6 our existing team there is -- within each of
7 the alternative private market asset classes,
8 there are senior professionals who have
9 experience with direct assets whether it's
10 investing, lending, financing. So they have
11 the skill set to look at corporate balance
12 sheet or real estate or infrastructure. But
13 from a resources point of view just to give
14 you a benchmark or perspective, one of the
15 large sovereigns has a team focused on
16 co-investing and the co-investment team, they
17 do it internally. It's 22 professionals.
18 That's just for co-investing. When you look
19 at the platforms like the third-party managers
20 that have dedicated co-investment funds, the
21 teams may range from, whether they are North
22 American-focused or global, like 15 to 30
23 professionals and that's from the analyst list
24 to up to the senior managing director level.
25 So, yes, resources is, you know -- so we have

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2 a starting team in terms of being able to
3 manage programs and do analysis, but it's
4 definitely more resource-intensive, you are
5 right.

6 MR. KAZANSKY: And I don't want to use
7 the word, but I can't think of another one:
8 But the tradeoff may be whatever we are
9 putting out there as far as salaries to bring
10 on this new team, we would be saving that and
11 receiving more because we are not spending
12 money on fees?

13 MR. ENRIQUEZ: Right, and --

14 MR. ADLER: -- excess return.

15 MR. ENRIQUEZ: Based on some of the
16 research that we have done on a high level,
17 there are different approaches. Some do it
18 in-house and this is -- and I know we are in
19 public session, but this is public. I think
20 the Canadians, for example some of the
21 Canadian pension plans, they do it in-house,
22 but they also have a totally different
23 compensation system where they pay close to
24 market.

25 MR. ADLER: I would say they pay market.

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2 MR. ENRIQUEZ: They pay market. And
3 then others partner. And by partnering it's
4 like, you know, you form an SMA or a fund of
5 one and then you have a team from a platform,
6 a third-party platform, that works with the LP
7 on a separate account to mine the
8 co-investments, execute side by side. And
9 oftentimes -- and it goes different ways.
10 Sometime that is LP, I am thinking of public
11 systems in the U.S. Sometimes they will
12 retain discretion over the investment
13 decisions while still working on third-party.
14 And others, they give discretion to that
15 third-party co-investment manager. So there
16 is really a range of approaches. I think my
17 preliminary view, as we look at it, is there
18 is different approaches. I think they are all
19 -- all these issues are solvable. It's just a
20 question of what makes sense for any given
21 institution.

22 MR. ADLER: Artfully done.

23 MR. ENRIQUEZ: Thanks.

24 I think the third challenge that we
25 highlighted, I mentioned this when it kicked

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off, they are often driven by a mergers and acquisition process or transaction process whether it's real estate, infrastructure, debt, or private equity is decision-making. We as a system and at BAM, we are designed for a fund commitment process which kind of ranges -- call it six to seven months like from when we start due diligence, move forward, go to IC and finally close. Co-investments speaking from a private equity perspective where you are investing in operating companies, co-investment as I also mentioned before they can typically be like a six to eight weeks process, right, where you making multiple decisions in a very compressed timetable. So you get an invitation to a transaction, you are often asked to sign a nondisclosure agreement within 24 or 48 hours, so then you can receive more information on the company. The GP will typically ask for a preliminary, are you interested in doing diligence and looking at it or are you passing within another 24 or 48 hours, and then you get access to -- if you move forward, you get

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2 access to the data room, several weeks of due
3 diligence, you know, reviewing documentation,
4 working with a GP. We may meet with a
5 management team or participate in management
6 presentation and then you get to, you know,
7 preliminary investment decision, final
8 investment decision, signing, closing. And so
9 it's different than the way we are architected
10 for a fund investment and that's just the
11 nature of that asset class. So that was one
12 thing we wanted to just sort of highlight as
13 one of the challenges.

14 And I guess to conclude: From a private
15 markets perspective, BAM and certainly
16 predates my arrival working with you, the
17 trustees and the other trustees of the four
18 other systems, to kind of take an approach to
19 private markets, we are trying to reposition
20 to have higher performance at the lowest
21 possible fee structure working with BAM and
22 the OGC team. And when we look at the private
23 markets portfolio, we have relatively mature
24 private assets in equity and real estate and
25 growing assets in private debt and

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2 infrastructure. We do consider co-investment
3 as the potential logical next step to drive
4 returns as well as reducing the fee burn. So
5 as we wrapped up our work this summer in
6 preparation for the August session, what we
7 would like to do is continue doing more work
8 around the co-investment market opportunity
9 and potential available structures and
10 approaches and then come back to the boards in
11 the fall or winter with a point of view and a
12 recommended approach.

13 Happy to field any questions.

14 MR. BROWN: Great presentation.

15 MR. ENRIQUEZ: Thank you.

16 MR. ADLER: Thank you. Okay, I think
17 that concludes our public session.

18 If there are no other issues for public
19 session, I would entertain a motion to exit
20 public session and go into executive session.

21 MS. PENNY: I move pursuant to Public
22 Officers Law Section 105 to go into executive
23 session for discussion regarding specific
24 investment matters.

25 MR. ADLER: Thank you. Is there a

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2 second?

3 MS. VICKERS: Second.

4 MR. ADLER: Motion made and seconded.

5 Any discussion? All in favor of the motion,

6 please say aye.

7 Aye.

8 MS. VICKERS: Aye.

9 MR. THOMAS: Aye.

10 MS. PENNY: Aye.

11 MR. KAZANSKY: Aye. All opposed, please

12 say nay. Any abstentions? Motion carries.

13 (Meeting went into Executive Session.)

14 MR. ADLER: Okay, so I think that

15 concludes our business for the executive

16 session; is that correct? So can we have a

17 motion to exit executive session and return to

18 public session?

19 MS. VICKERS: So moved.

20 MR. ADLER: Second.

21 MS. PENNY: Second.

22 MR. ADLER: Great. Motion made and

23 seconded. Any discussion? All in favor of

24 the motion to executive session and return to

25 public session, please say aye.

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2 Aye.

3 MS. VICKERS: Aye.

4 MR. THOMAS: Aye.

5 MS. PENNY: Aye.

6 MR. KAZANSKY: Aye.

7 MR. ADLER: All opposed please, say nay.

8 Any abstentions? Motion carries.

9 Okay, we are back in public session.

10 Susan, would you like to report out on

11 executive session?

12 MS. STANG: Certainly.

13 In executive session, several manager
14 updates were presented as well as a discussion
15 of a composite within Variable A. Consensus
16 was reached on one issue which will be
17 announced at the appropriate time.

18 MR. ADLER: Great, thank you very much.

19 If there is no other business for public
20 session, a motion to adjourn would be in
21 order.

22 MR. KAZANSKY: So moved.

23 MS. VICKERS: Second.

24 MR. ADLER: Any discussion? All in
25 favor of the motion to adjourn please say aye.

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Aye.

MS. VICKERS: Aye.

MR. THOMAS: Aye.

MS. PENNY: Aye.

MR. KAZANSKY: Aye.

MR. ADLER: Any opposed, please say nay.

Any abstentions? Motion carries.

[Time noted: 1:09 p.m.]

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C E R T I F I C A T E

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: ss.

COUNTY OF QUEENS)

I, YAFFA KAPLAN, a Notary Public
within and for the State of New York, do
hereby certify that the foregoing record of
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by me therein.

IN WITNESS WHEREOF, I have hereunto
set my hand this 17th day of September,
2017.

YAFFA KAPLAN