

0001

1  
2  
3  
4  
5  
6  
7  
8  
9

Proceedings

NEW YORK CITY TEACHERS' RETIREMENT SYSTEM  
INVESTMENT MEETING

Held on Thursday, December 5, 2019, at 55 Water  
Street, New York, New York

ATTENDEES:

- 11 DEBRA PENNY, Chairperson, Trustee
- 12 DAVID KAZANSKY, Trustee
- 13 THOMAS BROWN, Trustee
- 14 JOHN ADLER, Trustee, Mayor's Office
- 15 NATALIE GREEN-GILES, Trustee
- 16 SUSANNAH VICKERS, Trustee, Comptroller's Office
- 17 RUSS BUCKLEY, Trustee

18  
19  
20  
21  
22

REPORTED BY:

- 24 YAFFA KAPLAN
- 25 JOB NO. 4467783

0002

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

Proceedings

- ATTENDEES (Continued):
- 3 PATRICIA REILLY, Teachers' Retirement System
  - 4 THAD McTIGUE, Teachers' Retirement System
  - 5 SUSAN STANG, Teachers' Retirement System
  - 6 RONALD SWINGLE, Teachers' Retirement System
  - 7 ROBIN PELLISH, Rocaton
  - 8 MICHAEL FULVIO, Rocaton
  - 9 JOSEPH NANKOFF, Rocaton
  - 10 VALERIE BUDZIK, Teachers' Retirement System
  - 11 LIZ SANCHEZ, Teachers' Retirement System
  - 12 SHERRY CHAN, Office of the Actuary
  - 13 DAVID LEVINE, Groom Law Group
  - 14 SUMANTE RAY, Mayor's Office
  - 15 JOHN MERSEBURG, Comptroller's Office
  - 16 MILES DRAYCOTT, Comptroller's Office
  - 17 ALEX DONE, Comptroller's Office
  - 18 MICHAEL HADDAD, Comptroller's Office
  - 19 JOHN DORSA, Comptroller's Office
  - 20 KOMIL ATAIEV, Teachers' Retirement System
  - 21 ISAAC GLOVINSKY, Teachers' Retirement System
  - 22 PAUL RAUCCI, Teachers' Retirement System
  - 23 STEVEN YUAN, Mayor's Office

0003

1

Proceedings

2 MS. REILLY: Good morning. Welcome to  
3 the Teachers' Retirement Board Investment  
4 Meeting for December 5, 2019.

5 I will start by taking the roll. John  
6 Adler?

7 MR. ADLER: Here.

8 MS. REILLY: Thomas Brown?

9 MR. BROWN: Here.

10 MS. REILLY: Natalie Green-Giles?

11 MS. GREEN-GILES: Here.

12 MS. REILLY: David Kazansky?

13 MR. KAZANSKY: Present.

14 MS. REILLY: Russ Buckley?

15 MR. BUCKLEY: Here.

16 MS. REILLY: Debra Penny?

17 MS. PENNY: Here.

18 MS. REILLY: Susannah Vickers?

19 MS. VICKERS: Here.

20 MS. REILLY: We have a quorum.

21 MS. PENNY: Okay, great. Thank you.

22 And we will start with Rocaton. Give us  
23 the update on the Passport Funds.

24 MR. FULVIO: Sure. Good morning,  
25 everyone. So we weren't planning to spend a

0004

1 Proceedings

2 lot of time on the third quarter performance  
3 review given that we covered that at the last  
4 meeting, but happy to answer any questions on  
5 the performance of the Passport Fund through  
6 September.

7 Again, I wasn't -- you will recall at a  
8 very high level the Passport Funds, each of  
9 them had -- well, I should say the Diversified  
10 Equity Fund posted a modest positive return  
11 for the quarter, up about 30 basis points.  
12 The Balanced Fund was positive to the tune of  
13 about 60 basis points. Where we saw softness  
14 in the capital markets, the International  
15 Equity Fund had a negative 1.7 percent return.  
16 Inflation Protection returned 1.3 percent.  
17 And the Socially Responsive Equity Fund, which  
18 has since been renamed as you will recall, had  
19 posted 2.1 percent return for the quarter.

20 So happy to dive into that more, but I  
21 know we cited some of the more detailed  
22 numbers at the last meeting.

23 MS. PENNY: I guess we are good.

24 MR. FULVIO: Go ahead to October and  
25 here we saw really positive numbers across the

0005

1 Proceedings

2 board for markets, which obviously helped with  
3 the absolute returns for the various funds.

4           The Diversified Equity Fund had a 1.7 --  
5 I'm sorry, 2.3 percent return for the month of  
6 October. That brought the year-to-date return  
7 to about 20.5 percent. The 2.3 percent return  
8 was enough to outpace the Russell 3000 for the  
9 month. Though the hybrid benchmark returned  
10 about 2.4 percent, so lagging the hybrid by  
11 about 13 basis points. What really drove the  
12 results during the month of October was strong  
13 numbers from U.S. equity markets, up a little  
14 over 2 percent. We saw pretty strong results  
15 from non-U.S. equity markets with the MSCI  
16 EAFE Index up about 3.6 percent, emerging  
17 markets up over 4 percent. So that's really  
18 what drove some of the absolute numbers you  
19 see on the page. And all told, with respect  
20 to the relative results and also contributing  
21 to the overall absolute return for the fund,  
22 the Defensive Composite was up about 1-1/4  
23 percent for October. But each of those  
24 underlying composites lagged during the month  
25 of October. The Balanced Funds had assets of  
0006

1                           Proceedings  
2 about 400 million at the end of October, had a  
3 1 percent return for the year, year-to-date  
4 return 8.7 percent. The International Equity  
5 Fund was up about 3-1/2 percent compared to  
6 its composite or custom benchmark, about 3.7  
7 percent. The Inflation Protection Fund was up  
8 half of a percent, bringing the year-to-date  
9 return there to 9.2 percent. And the  
10 Sustainable Equity Fund was up 42 basis  
11 points, lagged the Russell 1000 Growth Index  
12 which had a really strong month, up 2.8  
13 percent. Year to date, the sustainable equity  
14 fund is up 16.6 percent.

15           MS. PELLISH: This is linked, right?

16           MR. FULVIO: That's right. The  
17 performance you see for the fund, for the  
18 Sustainable Equity Fund and its benchmark, is  
19 linked to the prior results of the strategy.  
20 I actually should note though, however, the  
21 benchmark here in this case is not linked to  
22 the S&P 500, which I think going forward  
23 definitely should be to reflect the prior  
24 history of the underlying strategy there. So  
25 we will make that change for the November  
0007

1                           Proceedings  
2 report.

3           Are there any questions on the October  
4 results?

5           So we will turn ahead then to some

6 preliminary numbers through November. The  
7 Russell 3000 Index was a really strong month,  
8 up 3.8 percent. International Equities across  
9 developed and emerging -- in aggregate were up  
10 about 1 percent. The Defensive Strategies  
11 Composite had a really strong month as well,  
12 3.2 percent, so we expect a return for the  
13 Diversified Equity Fund just north of 3  
14 percent. And you can see other underlying  
15 strategies and benchmark, I should say  
16 benchmarked proxies, for the other funds. The  
17 Balanced Fund, like we would expect, a  
18 positive return of about 70 basis points. The  
19 EAFE Index up on its own about over 1 percent.  
20 And emerging markets very modestly negative  
21 for the month, but what you can still see  
22 across the board is really strong calendar  
23 year-to-date returns. And if you look at the  
24 second column on this table, pretty strong  
25 fiscal year-to-date returns across the board

0008

1 Proceedings

2 as well.

3 And if there is no questions, that  
4 concluded the performance update.

5 MS. PENNY: Okay, great. So the  
6 emerging markets policy review, do you want to  
7 go over that with us?

8 MS. PELLISH: Sure.

9 So you may recall that at the last  
10 investment meeting, we had a discussion about  
11 this emerging market company review policy.  
12 There was some language that was suggested at  
13 that meeting that we added to the policy. So  
14 immediately after the last investment meeting  
15 I added that language, which we see in the red  
16 text towards the bottom of the page, and  
17 circulated it to the board. I did not receive  
18 any comments, so we welcome any comments at  
19 this point.

20 MS. PENNY: Okay. Yes, John.

21 MR. ADLER: Yes. So I am okay with that  
22 addition, but I don't think I -- and I think I  
23 expressed this last time: I want us to develop  
24 the criteria, agree on the criteria as part of  
25 adopting this policy. It doesn't have to be

0009

1 Proceedings

2 in the policy, but I am not prepared to vote  
3 for the policy until we know what the criteria  
4 are. And we discussed this really a lot, I  
5 think, in the course of this process. And we  
6 have a proposal for criteria as a jumping-off  
7 point, but it's up to the board whether that's

8 a discussion you want to have today.  
9 MR. KAZANSKY: So if I can jump in, my  
10 understanding -- and anybody who was at the  
11 last investment meeting correct me if I am  
12 wrong, but my understanding was that at that  
13 meeting that we did agree that criteria was  
14 going to be created. But that it wasn't going  
15 to be created at this time and it wasn't going  
16 to be -- and the adoption of this policy was  
17 not going to be contingent on the criteria  
18 being developed first. So I am -- excuse me.  
19 I am fine with this policy as a jumping-off  
20 point for getting this work started and  
21 working on the criteria as we get the data  
22 from Sustainalytics and MSCI. But it  
23 certainly was my understanding that if there  
24 was a mention of the criteria in the policy,  
25 that that was going to be sufficient for

0010

1 Proceedings  
2 everybody involved to put this in the books  
3 and then move forward.  
4 MS. GREEN-GILES: May I -- I just want  
5 -- I am going to echo, that was my  
6 understanding as well. And I thought the  
7 conversation led us to that we couldn't  
8 possibly anticipate what all that criteria  
9 would look like to put in a policy, so keeping  
10 the policy nimble enough to allow us to apply  
11 it without knowing the universe of elements  
12 that -- because it changes as we know from  
13 even recent professional development  
14 opportunities here, there is no way we can  
15 know what to put in as every single possible  
16 -- so we don't want this to be too limiting.

17 MR. ADLER: I am agreeing with that. I  
18 am agreeing that -- I am just concerned about  
19 us not arriving at criteria in a timely way,  
20 because timeliness has been my issue with this  
21 throughout. Originally I thought we were  
22 going to agree on a policy last summer, then  
23 we said it was going to be fall. Now we are  
24 in December and this is not an implementable  
25 policy until we have criteria.

0011

1 Proceedings  
2 MS. VICKERS: Well, I would just add,  
3 you know, I sort of agree with what David and  
4 Natalie has said and I have articulated this,  
5 John, to you before: I think it's -- it would  
6 be irresponsible for us to develop and  
7 approve prescriptive detailed criteria at this  
8 point without having a vendor under contract  
9 which we don't have currently and without

10 knowing -- you know, having a greater  
11 understanding of the information that we are  
12 going to get and the format that we are going  
13 to get it.

14 So the -- you know, the jumping-off  
15 point policy that you circulated or that I saw  
16 has very specific thresholds and triggers for  
17 action that I am really uncomfortable with at  
18 this point. And I think the best thing to do  
19 is to, you know, wait until we get feedback  
20 from the vendors who can help us develop  
21 criteria. And I really like that you are  
22 pushing us to do this in a timely way and I  
23 think that's very helpful. And as soon as we,  
24 you know, start engaging with the vendor,  
25 then we can work to develop criteria. And I

0012

1 Proceedings

2 think that it says that in this policy, that  
3 criteria will be developed. But I just don't  
4 think it makes any sense whatsoever to try to  
5 do it -- to put the cart before the horse and  
6 try to do it before we have that engagement  
7 taken care of.

8 MS. PENNY: I think this is all of our  
9 feelings: We certainly don't want to kick the  
10 can down the road and never do this, but this  
11 opens the door so that we can start those  
12 discussions and then we can find out what is  
13 actually needed in the policy.

14 MR. ADLER: I don't actually understand  
15 how this policy right now differs from what we  
16 have in place. We have an interim policy in  
17 place that essentially maintains the excluded  
18 companies that we -- that were on that list  
19 that we got from Sustainalytics and MSCI,  
20 right?

21 MR. KAZANSKY: Right, in China and  
22 Russia.

23 MR. ADLER: As well as Pakistan. So  
24 that's what in place. How does adopting this  
25 policy change that; can anybody explain that

0013

1 Proceedings

2 to me?

3 MS. VICKERS: I don't think that it's  
4 going to be to make substantive changes right  
5 away on the list of excluded companies, but  
6 what it does is it codifies a much more  
7 detailed and official policy that we have and  
8 it explicitly states that threshold criteria  
9 will be developed as the next step. So right  
10 now we have done a lot of work. I mean, you  
11 know that, you know, procurement and hiring is

12 not easy when you are a city agency, so we are  
13 doing everything that we can. I think that  
14 the urgency should be on getting the contract  
15 finalized with the vendor. That's what we  
16 really need to do to get this going and to  
17 have something different in place than we have  
18 now. What we don't need to do, I think in my  
19 opinion, is to spend a lot of time arguing  
20 about criteria that it's premature to be  
21 looking at.

22 MR. ADLER: Question: So there are I  
23 think fifteen or so companies right now that  
24 are excluded from our portfolio because they  
25 are China, Russia, and they appeared on this

0014

1 Proceedings

2 list of companies that the two vendors found  
3 to be either in violation of the UN Global  
4 Compact or had material public controversies.  
5 If we adopted this policy today, what happens  
6 to that list of fifteen companies?

7 MS. PELLISH: Valerie, do you --

8 MS. BUDZIK: I actually don't -- I don't  
9 know. I think we would maintain the current.

10 MR. ADLER: It says "This policy  
11 replaces the interim emerging market review  
12 policy," so I don't understand that.

13 MS. VICKERS: I'm sorry to keep  
14 interrupting and harping on this, but in order  
15 to take any action we need to review  
16 information provided by third-party vendors.  
17 So I think the interim policy, the interim  
18 situation, will stay in effect until we have a  
19 report from the third-party vendor and then we  
20 start using this policy.

21 MR. ADLER: But interim policy is based  
22 on the interim report we got from the  
23 third-party vendor.

24 MS. VICKERS: I would not say -- I think  
25 that was practice, you know.

0015

1 Proceedings

2 MS. BUDZIK: It was kind of a practical  
3 decision. We didn't want to permit the  
4 managers to buy these securities AND three  
5 months later we were going to tell them to  
6 sell the securities. And I would actually say  
7 you can do it either way; you can maintain  
8 those companies as excluded or you could --  
9 unless they are subject to a separate  
10 divestment, it's a -- some of them were -- you  
11 could lift those exclusions. I don't even  
12 recall -- because I think some of them fell  
13 down on the list. I don't know that they were

14 like your red companies.

15 MS. VICKERS: But -- I don't know if I  
16 am looking at this from a totally different  
17 perspective as everybody else but, you know,  
18 we have not engaged the vendor. We do not  
19 have a report or information officially  
20 provided by that vendor. We have a sales  
21 pitch from vendors. We have kind of an  
22 initial draft information from that vendor and  
23 another vendor. We have not gone through the  
24 process that we have all agreed we need to go  
25 through to responsibly review these companies,

0016

1 Proceedings

2 so that has not happened yet. So I don't see  
3 how we can develop criteria for something that  
4 hasn't happened yet. And I say again that we  
5 are trying to officially hire the third-party  
6 vendor and figure out the vendor that -- the  
7 MSCI system that we have, how that can be  
8 utilized. This board has not acted on those  
9 two things. So I think it's important to have  
10 this policy and to develop the criteria, but  
11 we can't -- we can't have criteria holding  
12 this up now.

13 MR. ADLER: I hear that. But what is  
14 stopping us from hiring the vendor?

15 MS. VICKERS: Nothing is stopping us.  
16 It's a lengthy -- as you know, John.

17 MR. ADLER: But this is a small  
18 procurement. This is not a full RFP based on  
19 the price.

20 MS. VICKERS: So what are you saying?

21 MR. ADLER: I am saying I make a motion  
22 to hire Sustainalytics, if that hasn't  
23 happened.

24 MS. VICKERS: No, that has happened.  
25 But what happens is the contract has not been

0017

1 Proceedings

2 finalized. I am not a procurement person, I  
3 don't work in the comptroller's contracting  
4 unit, but I can find out what the status of  
5 that contract is. But, you know, for anybody  
6 sitting around this table to act like it's a  
7 surprise that the City of New York process is  
8 a lengthy bureaucratic and slow is not a very  
9 fair statement.

10 MR. ADLER: I get that, but here is the  
11 thing: It's not clear and, we can make it  
12 clear today, that this policy does not mean  
13 that we open the floodgates and allow  
14 investments in every company since we have not  
15 yet developed criteria. We -- I mean, just to



16 be clear, we took investment decisions based  
17 on the data that we received from those two  
18 vendors, right? We made investment decisions  
19 based on that.

20 MS. VICKERS: We created an interim  
21 policy.

22 MR. ADLER: So what I am saying is: I  
23 don't want to move from that interim policy  
24 until we put new criteria in place that  
25 stipulates -- look, the point of this process,

0018

1 Proceedings

2 right, which we have been engaged in for a  
3 couple of years I think is to replace our  
4 country screens that have been in place for  
5 ten or more years with company screening, so  
6 that we do not invest in companies that we  
7 believe pose undue risks to the Teachers'  
8 Retirement System. I believe that we are  
9 currently investing in such companies and  
10 those companies appear on the list that we got  
11 from -- from MSCI and Sustainalytics.

12 And I am concerned that adopting this  
13 policy without either a set of criteria or a  
14 strict timeline for adopting the set of  
15 criteria puts the system at risk by investing  
16 in companies that I do not believe the members  
17 of this system would like to see this board  
18 invested in and that pose undue financial and  
19 reputational risk to that board. So I am  
20 saying on the record that I am worried that  
21 that is what's happening. And that this is  
22 taking much more time than we anticipated it  
23 would take and so I am worried about adopting  
24 a policy without putting those criteria in  
25 place underlying the policy. Obviously the

0019

1 Proceedings

2 criteria will change over time, but right now  
3 there is no process in place for adopting this  
4 criteria and that's what worries me.

5 MS. VICKERS: So can I just respond to  
6 that. So I think that maybe you are  
7 conflating several different processes and  
8 trying to take care of everything today. So I  
9 would suggest -- you sort of gave two options  
10 in what you just said. I would suggest a  
11 third, that we adopt this policy as written  
12 today and in the motion of adoption we say  
13 that the interim policy remains in effect  
14 until we -- until the vendor is hired and  
15 criteria developed -- and the first annual  
16 report is delivered and criteria is developed.  
17 So that should protect us from opening the

18 floodgates to investments in dangerous  
19 companies.

20 MR. FULVIO: I know -- I don't think the  
21 intent was to invest in those fifteen  
22 companies concurrent with the passage or the  
23 acceptance, you know, of everyone approving  
24 this because I think we all felt that like  
25 there was a reasonable chance that whatever

0020

1 Proceedings

2 criteria we came up with, regardless of how  
3 severe or not that criteria would be, that  
4 those -- there was a relatively high  
5 likelihood that those fifteen companies might  
6 be on that list. So I think we recognize for  
7 the same reasons we continue to not invest in  
8 them, we wouldn't all of a sudden start  
9 investing in them now just because we approved  
10 this and then choose to divest later. So I  
11 just think from a practical standpoint, I  
12 don't think anyone was considering allowing  
13 investment in those fifteen companies just  
14 because we approved this. I still think we  
15 recognize we need to finalize the criteria  
16 before we change what we are investing in.

17 MS. PENNY: Right. I don't think --  
18 again, this was not intended to open the  
19 floodgates, because that's one thing we spoke  
20 about a while ago. It wasn't to open the  
21 floodgates, but just to start the discussion.  
22 And we had for so long that policy where we  
23 didn't invest in China, Russia, and Pakistan  
24 and then we would do well, okay, it's okay for  
25 this in this case and in this case and that's

0021

1 Proceedings

2 how we started this. We were very  
3 uncomfortable for making those exceptions  
4 without having something in writing and  
5 without having some system where we can  
6 actually check and see why don't we invest in  
7 those -- in those companies.

8 Valerie, what do you feel about this?  
9 Is this something that's necessary for us to  
10 do the work?

11 MS. BUDZIK: I think it guides the work.  
12 I don't think it stops what John wants to  
13 ultimately arrive at. The policy itself talks  
14 about a review and maybe you could put a time  
15 frame there --

16 MR. ADLER: I would like to put a time  
17 frame.

18 MS. BUDZIK: -- and bring it back to the  
19 board. My understanding was you wanted to

20 first have at least one report from the  
21 vendors and that would inform your development  
22 of criteria.

23 MR. ADLER: The reality is we did get a  
24 report from the vendor -- excuse me, can I  
25 finish?

0022

1 Proceedings

2 MS. VICKERS: No, I am going to  
3 interrupt.

4 MR. ADLER: Madam Chair, can I finish?  
5 I guess not.

6 MS. VICKERS: I was going to say: If  
7 BAM came to you with unofficial draft  
8 information from some vendor that was trying  
9 to sell us something and we based an  
10 investment recommendation on that --

11 MR. ADLER: We did. Excuse me. The  
12 interim policy is based on that.

13 MS. VICKERS: It's an interim policy.

14 MR. ADLER: Exactly.

15 MS. VICKERS: I just can't believe that  
16 you are suggesting that we adopt criteria  
17 based on unofficial information from a vendor  
18 who was trying to sell us something and is not  
19 under contract. That is a very dangerous  
20 thing that you are suggesting.

21 MR. ADLER: Honestly, we made an  
22 investment decision. We created an interim  
23 emerging markets policy and allowed  
24 investments in companies based on that flimsy  
25 report from a vendor who is trying to sell us

0023

1 Proceedings

2 something.

3 MS. PENNY: I don't think that's true.

4 MR. ADLER: I think that's what you are  
5 saying and I don't think that's what was --

6 MS. VICKERS: We let that inform our  
7 decision.

8 MR. ADLER: A company that didn't appear  
9 on their list, we opened for investment  
10 truthfully.

11 MR. KAZANSKY: So my belief is that the  
12 interim policy was put into place just because  
13 of what we are dealing with right now, which  
14 is -- which was no matter best intentions of  
15 this group, that it was going to take much  
16 longer than expected to be able to put  
17 together a policy that was going to be good  
18 and long term.

19 So we created an interim policy at that  
20 particular moment in time to get us from point  
21 A, which is where we had our old policy in

22 place where a huge part of the international  
23 market was completely cut off to us to where  
24 we want to be, right, as a more reasonable  
25 rationale fiduciary, right. And so at that

0024

1 Proceedings

2 moment in time, with the best information that  
3 we had at that moment in time, we crafted that  
4 bridge to get us from point A to point B. So  
5 flimsy, perhaps. But it was the best  
6 information that we had at the time, right?  
7 And it gave us the ability to put together  
8 some plan to get from where we were to where  
9 we want to be.

10 I have no problem with that interim  
11 policy and it didn't preclude us if we had --  
12 if we didn't use any of that data, we just --  
13 we probably would still be cut off from --  
14 from very much investing, specifically in  
15 China which was really the main focus of the  
16 changing policy. We should keep that interim  
17 policy in place with this overlaying it until  
18 BAM gets the contracting done. The second BAM  
19 gets the contracting done, we should be moving  
20 on, getting information from those vendors and  
21 putting criteria together. This policy allows  
22 us to make that happen. That's the next step  
23 to get off of the bridge that we are on right  
24 now and into where we need to be.

25 MR. ADLER: I would like to, as Valerie

0025

1 Proceedings

2 suggested, set a time frame for doing that.

3 MS. VICKERS: I think that -- I would  
4 not agree to that in this policy, because I  
5 think this policy --

6 MR. ADLER: No, in a motion.

7 MS. VICKERS: Thank you.

8 MS. PENNY: So what would be a fair --  
9 so we do have something, the policy is going  
10 to be reviewed no longer than 18 to 24 months  
11 from adoption. So we want something we want  
12 to keep that and just make it that it's going  
13 to be reviewed sooner than that.

14 MR. ADLER: No, that's for the policy.  
15 I want a time frame for the criteria.

16 MS. PENNY: So what would be a fair  
17 timeline?

18 MS. VICKERS: I think the timeline has  
19 to be linked to the registration of the  
20 contract. We can't say, you know, this  
21 criteria has to be developed in four weeks and  
22 then the contract isn't done; then we are just  
23 back to where we are. So I would say within a

24 certain amount of time after the registration  
25 of the contract.

0026

1 Proceedings

2 MS. BUDZIK: I would just point out, and  
3 delivery of the reports to the board.

4 MS. VICKERS: Yes.

5 MR. ADLER: But, I'm sorry, I am not  
6 going to agree to something with an open-ended  
7 thing like that.

8 MS. VICKERS: So put a date in, but we  
9 are saying the start date has to be once that  
10 the vendor is hired and that the reports are  
11 delivered.

12 MR. ADLER: So why don't you come back  
13 to us with concrete information for what the  
14 timeline is for that.

15 MS. PENNY: You don't know when you are  
16 going to finished with -- so if the vendor is  
17 hired, so whatever date the vendor is hired do  
18 we want to come back?

19 MS. VICKERS: Well, for example -- I'm  
20 sorry to interrupt -- we might need to know  
21 from the vendor how long it takes them to do  
22 their report.

23 MR. ADLER: I don't think -- I didn't  
24 get the sense that it would take very long,  
25 but that's fine.

0027

1 Proceedings

2 So here is my suggestion: Why don't we  
3 ask BAM to come back to us with the answer to  
4 those questions; how long is it going to take  
5 to register the contract. And then from  
6 Sustainalytics who is coming in today, but I  
7 think it's a different part of  
8 Sustainalytics --

9 MS. PELLISH: Yes.

10 MR. ADLER: -- how long would it take  
11 them once the contract is registered to  
12 generate the annual report. And then based on  
13 that, we can set a timeline. And I would  
14 propose that we vote on the motion when we  
15 have that information.

16 MS. PENNY: So can we ask them for the  
17 next available report once we hire them?  
18 Certainly.

19 MS. PELLISH: Why can't we just pick a  
20 period of time after they deliver the report,  
21 and say we want the report as soon as  
22 possible. Maybe we can resolve that now.

23 MS. VICKERS: Right, because those two  
24 dates shouldn't preclude us from passing the  
25 resolution.

0028

1 Proceedings

2 MS. PELLISH: Can you say something like  
3 within 90 days after the delivery of the first  
4 report; does that seem reasonable?

5 MR. KAZANSKY: Sure, that's fine.

6 MS. PENNY: So we have to take  
7 consensus. It's not an exact vote, it's a  
8 consensus if we want to agree to the policy?  
9 And then do we put the stipulation that once  
10 the vendor is hired within 90 days --

11 MS. PELLISH: After the delivery of the  
12 report.

13 MS. VICKERS: -- that criteria will be  
14 developed.

15 MS. PELLISH: The proposed criteria will  
16 be presented to the board for discussion.

17 MS. REILLY: This is consensus; not a  
18 vote?

19 MS. BUDZIK: It would be consensus as a  
20 policy.

21 MR. ADLER: It's recommended. It has to  
22 come back to the full board.

23 MS. PENNY: So we are going to take  
24 consensus coming back to the board at the next  
25 board meeting, knowing that it will.

0029

1 Proceedings

2 MS. BUDZIK: It will come to the  
3 December board meeting, the policy.

4 MS. PENNY: Once the vendor is hired,  
5 then we are going to come back 90 days after  
6 the report is given. Okay.

7 MS. GREEN-GILES: Within 90 days?

8 MS. PENNY: Within 90 days.

9 MR. ADLER: Are you going to find out  
10 the timeline for registering the contract,  
11 Susannah?

12 MS. VICKERS: Yes, I can -- I don't know  
13 if I will get an exact date, but I will  
14 inquire.

15 MS. PENNY: Okay, and this will at least  
16 start us. So do we have consensus for going  
17 ahead with this and bringing it before the  
18 board?

19 MR. ADLER: Just one other point, that  
20 it also includes keeping the interim exclusion  
21 list in place until such time as we arrive at  
22 our criteria for a new analysis or whatever.

23 MS. PENNY: Correct. Do we all  
24 understand that and agree on that?

25 MR. BROWN: Yes.

0030

1 Proceedings

2 MS. PENNY: Then we have consensus.  
3 Great.  
4 Now, on a lighter note --  
5 MR. KAZANSKY: You don't know that yet.  
6 MS. PELLISH: Just trying to manage  
7 expectations.  
8 MS. PENNY: -- discuss the asset  
9 allocation.

10 MS. PELLISH: So I am going to introduce  
11 this topic, but this is very much a  
12 collaboration among -- between BAM and  
13 Rocaton. And we have been hard at work at  
14 this for many months now and I would like to  
15 present this -- I would like the board to  
16 consider this report in -- as one in a series  
17 of pieces that have been presented for the  
18 board's consideration on this topic.

19 So for the past number of months, BAM  
20 and Rocaton have been presenting at the CIM,  
21 at caucus at the investment meeting, on market  
22 conditions and the themes that have been  
23 developing as we look at capital markets and  
24 we consider potential modification to the  
25 pension funds asset allocation policy. So

0031

1 Proceedings  
2 literally none of the recommendations or the  
3 market information that you see in this report  
4 is new. This has been presented in a variety  
5 of venues, but what we are attempting to do  
6 today is to pull together the market --  
7 capital market information that informs the  
8 development of the themes that then were used  
9 in the modelling of various portfolio mixes.

10 I also want to emphasize a point that's  
11 made in this lengthy dec, which is we are not  
12 presenting this for a vote. There are  
13 certainly more than one portfolio mixes that  
14 could be considered as appropriate and  
15 consistent with the capital market themes that  
16 BAM and Rocaton have been developing. This is  
17 one policy that we thought was worthy of the  
18 board's consideration, but we fully expect and  
19 welcome the board's input, questions, feedback  
20 so that we can come back to you in response to  
21 those questions. This is a critically  
22 important topic and one that we would imagine  
23 will take several more discussions before the  
24 board is at a point where it can comfortably  
25 vote on this topic. So I apologize that you

0032

1 Proceedings  
2 only got this on Tuesday, but again this data  
3 -- I don't know if the data in here is new,

4 but it is a lengthy document and it is an  
5 important discussion.

6 So what we are going to do next is have  
7 Mike Haddad present, as he has done in the  
8 past, the capital market information and  
9 themes that again were an important basis of  
10 the recommendation. And then Joe Nankof, who  
11 is head of asset allocation at Rocaton and I  
12 think you all met before, will walk through  
13 the process by which we came to the  
14 recommendation which, again, you saw at the  
15 CIM caucus.

16 MR. DORSA: Alex is on the phone, for  
17 the record.

18 MR. HADDAD: Alex done, our CIO, is on  
19 the phone.

20 MR. DONE: Good morning, everybody.

21 MR. HADDAD: So we have 39 slides and 45  
22 minutes, so we got to do a slide a minute.

23 So let's jump to the slide for capital  
24 market conditions. And as Robin laid out,  
25 there is nothing new here that you haven't

0033

1 Proceedings  
2 heard from me or Rocaton before and why it's  
3 so important in coming up with what the right  
4 recommendation is. And you have to take into  
5 account where markets are, where valuations  
6 are and that's a function of what happened  
7 over the past several years so that's an  
8 important backdrop to think about. And as we  
9 think about the U.S. equity market, which is  
10 your largest single allocation currently and  
11 will remain your largest single allocation, do  
12 we want to increase that, decrease that, leave  
13 it the same? And then also important is the  
14 role of fixed income within this. As you are  
15 well-aware, U.S. equity market is at an  
16 all-time high based upon both earnings and  
17 multiple expansion and that multiple expansion  
18 also has something to do with interest rates.  
19 Very simply thinking about it: The lower the  
20 interest rate, that's the discount rate you  
21 use on a series of cash flows. So all things  
22 being equal, lower interest rates are more  
23 supportive for the economy. So the low  
24 interest rates has been a tailwind for your  
25 equity market and your portfolio over the last

0034

1 Proceedings  
2 few years, so that's kind of the backdrop of  
3 where we sit.  
4 If we flip over to Slide 5, again you  
5 have seen this before. This is your current



6 asset classes. Your actual with the Teachers'  
7 return three and five years and then the  
8 change in Rocaton's expected returns in 2016  
9 when we did this and where we sit today. And  
10 again, you know, I would highlight on actual  
11 returns where the outliers have really been.  
12 The U.S. market has massively outperformed  
13 expectations. Real estate we have, our  
14 portfolios have outperformed. Again, a  
15 function of both -- you know, I am going to  
16 give the real estate team a shoutout --  
17 manager selection as well as the falling  
18 interest rates. Again, private equity has  
19 outperformed expectations. Again, a lot of  
20 that had to do with manager selection and  
21 infrastructure has done well as well. And we  
22 think there is some differentiated approaches  
23 to how we go about doing that, but they are  
24 important to look at as we think about going  
25 forward.

0035

1 Proceedings

2 Again, I don't want to belabor. If we  
3 switch over to Slide 6, you have seen this  
4 before. This slide was as of August of '19.  
5 So if we updated this, that top bar on the  
6 left will show 125 months now, not 122 and  
7 that trend line below it would continue. And,  
8 importantly, I would say expectations going  
9 forward are for a continuation of this slide.  
10 That is continued expansion of the U.S. of  
11 something, you know, 1-1/2 to 2 percent. No  
12 recession in sight as of yet; really no  
13 flashing signs other than the longest recovery  
14 in history. But it's also been a very slow  
15 recovery and that kind of sets the stage for  
16 how we think about markets going forward.

17 Slide 7, that's the large slide. We  
18 don't need to go over that again.

19 Slide 8, again, a valuation slide on the  
20 relative expensiveness of the U.S. equity  
21 market. As you can see in the source there,  
22 this is as of August of 2019. Whether that is  
23 clicked over the tenth decile or not is the  
24 question. It's either the ninth or tenth  
25 decile again highlighting if you believe in

0036

1 Proceedings

2 this valuation technique, that the expected  
3 returns of the U.S. equity going forward are  
4 going to be lower than what we experienced in  
5 the past few years.

6 Slide 9 again, you know, a short  
7 snapshot of the history of interest rates of

8 our country. And again if we continue all the  
9 way out in August of this year, we are sub 2  
10 percent. So if we took out the lows that we  
11 had in the World War II environment of  
12 interest rates to the U.S., we are back up to  
13 around 220 now. So not much of a backup, but  
14 in historical perspective I think this chart  
15 explains a lot.

16 And if we go to Slide 10 -- 10 and 11,  
17 again you have seen these before. This speaks  
18 to private market valuations and Slide 10 is  
19 private equity. Again, very high purchase  
20 price multiples; not unexpected given the PD  
21 multiples in the equity market. So this is  
22 kind of the similar-looking chart, but it  
23 speaks to private equity. Slide 11 cap rates  
24 are what you think about for return  
25 expectations in core real estate and they are

0037

1 Proceedings

2 -- they follow the ten-year note yield with  
3 some deviation of spread. And as you can see  
4 we are at or near all-time lows in cap rates  
5 in the U.S. as well, so the expectations are  
6 core real estate have to be lower than what  
7 they were previously.

8 And then if we switch over to 12, this  
9 gets into one of the largest constraints that  
10 we all have to deal with and it's the basket  
11 clause. And just a reminder what goes in the  
12 basket, 100 percent of private equity, 100  
13 percent of alternative credit. The other  
14 asset class, that's 100 percent is hedge  
15 funds. Not in your portfolio, not germane.  
16 But the other ones where there are thresholds  
17 is international equities, so developed  
18 markets and emerging markets, greater than 10  
19 percent fall into the basket. Real assets  
20 defined as real estate plus infrastructure,  
21 over 10 percent into your basket. High yield,  
22 over 10 percent into the basket. That total  
23 basket size is constrained to 25 percent of  
24 your portfolio. So if we were to run an  
25 efficient frontier and a recommendation

0038

1 Proceedings

2 without that basket clause, it would not look  
3 like what you are going to see in a few slides  
4 from Robin. It is what it is. There is a lot  
5 of effort being done on this and my  
6 expectation is we are going to ask for your  
7 help as well. So just a precursor on what may  
8 be coming in your direction.

9 MS. VICKERS: Thanks for the plug.

10 MR. HADDAD: I am going to turn it over  
11 to you, Robin.  
12 MS. PELLISH: Okay. Do you want to talk  
13 about that page or do you want us to? It's a  
14 busy page, so let me jump in.  
15 MR. ADLER: Which page, 13?  
16 MR. NANKOF: Page 13.  
17 MS. PELLISH: It's a busy page, but it's  
18 important because if you run an optimizer  
19 without any constraints, it produces  
20 portfolios that are not investable. Some of  
21 the -- an optimizer is just -- you know, Joe  
22 is going to wince as I describe what an  
23 optimizer is, but it's just a box that takes  
24 in a lot of inputs and it takes in volatility  
25 expectations, it takes in expected return  
0039

1 Proceedings  
2 expectations, it takes in correlation  
3 assumptions and out of that it tries to  
4 produce the portfolio with the highest level  
5 of return for a given level of risk. And  
6 that's the efficient frontier, but it also  
7 tends -- it can't incorporate qualitative  
8 judgemental factors that are really important  
9 in building a portfolio. That's where humans  
10 come in and so we put into place these  
11 constraints.  
12 So the basket constraint is just an  
13 arbitrary constraint that we are forced to  
14 comply with. We put that in the modelling  
15 process. But there are other constraints that  
16 limit the portfolio mixes that come out of the  
17 modelling process because after doing this  
18 thousands of times literally, we know that you  
19 are going to get portfolio mixes that aren't  
20 pragmatic, that aren't investable that we  
21 would never consider. So there are -- for  
22 example, here we say we are only going to  
23 consider core real estate in the range of 3 to  
24 7 percent because we know that we don't want  
25 to sell off a lot of real estate. We know we  
0040

1 Proceedings  
2 have trouble getting fully invested in real  
3 estate because of the sale that we have to  
4 work at.  
5 So there are all these pragmatic  
6 constraints that we put onto the optimization  
7 process and I am happy to go through any one  
8 of them.  
9 MR. NANKOF: Another good one to  
10 reference, which is something that we  
11 incorporate in just about any asset allocation

12 study we are working on regardless of the  
13 portfolio type, would be illiquids. So in  
14 this case, we say we want all illiquid asset  
15 classes to not represent more than 25 percent  
16 of the portfolio because illiquids generally  
17 have higher returns than liquid asset classes  
18 for good reason. But the optimizer might see  
19 that and say let me take more illiquids then,  
20 would be reasonable to have in a portfolio.

21 And I think you can ask some of the  
22 largest New York City endowments what it was  
23 like to have 40 or 50 or 60 percent illiquids  
24 during the financial crisis; they got caught  
25 with too much illiquid exposure across their  
0041

1 Proceedings  
2 portfolios in many cases. And we tried to  
3 avoid that throughout all our history with our  
4 clients because we know it's hard and I am  
5 sure you all know it's hard to navigate the  
6 exact right amount to allocate to illiquids in  
7 any given year. It's a long-term game and I  
8 think we want to make sure we have a  
9 reasonable amount. They are attractive, but  
10 they are attractive to a point.

11 And, again, we can go through any one of  
12 these line items, but those are just some  
13 examples of what we tried to incorporate to  
14 make the output of the optimizer reasonable,  
15 something that we look at and say yes, this is  
16 a portfolio we think is a reasonable portfolio  
17 for an institutional investor to invest in.

18 MS. PELLISH: Just one last thought is  
19 we can modify any of these constraints. So  
20 you might come back to us and say what would  
21 happen if you relax this constraint or added a  
22 constraint or eliminated a constraint, and we  
23 can tell you what the impact on the  
24 recommendation or the output would be.

25 MR. ADLER: I have a question. What's  
0042

1 Proceedings  
2 the rationale for the one that says,  
3 "Non-investment grade fixed income is less  
4 than or equal to 12 percent;" what's the  
5 rationale for that one? And it includes 50  
6 percent of all OFI, so why 50 percent of OFI?  
7 I just don't understand where that comes from.  
8 MR. NANKOF: In this case we are just  
9 grouping like asset classes and saying that  
10 these in combination, we would not want it to  
11 represent more than a certain percentage of  
12 the portfolio. So we are just trying to  
13 recognize that these are similar in some ways.

14 They offer spreads above investment grade  
15 asset classes. They have some -- they are  
16 semiliquid or semiilliquid, either way you  
17 want it to look at it, and given those factors  
18 we are trying to consider them as a group and  
19 limit the amount of exposure. So what's the  
20 logic for 12 versus 15 versus 20 versus 8?

21 MR. ADLER: What's the logic for 50  
22 percent?

23 MS. PELLISH: That was a ballpark to  
24 represent below-investment grade less liquid  
25 portion of OFI, because it's not all illiquid.

0043

1 Proceedings

2 MR. ADLER: Really?

3 MS. PELLISH: Yes.

4 MR. ADLER: Okay. It's all invested,  
5 right?

6 MR. HADDAD: Yes. OFI, 100 percent  
7 invested.

8 MR. ADLER: Why is some of it not  
9 illiquid?

10 MR. FULVIO: For the same reason like  
11 bank loans. I think 90 to 100 percent bank  
12 loans go into the basket. You do have some  
13 liquidity with bank loans; it just cost a lot  
14 more to transact in those markets.

15 MR. ADLER: But OFI is all in either  
16 separate accounts or partnerships. I just  
17 don't understand why 50 percent would be  
18 illiquid.

19 MS. PELLISH: We will come back to you  
20 on that in more detail.

21 MR. NANKOF: Any other questions or  
22 comments on the constraint?

23 MR. KAZANSKY: Just one: Private  
24 equity, is that greater or equal to 6 percent?

25 MR. NANKOF: That's correct. Very good

0044

1 Proceedings

2 eye. We are at 6 percent today. That was the  
3 logic for that. And given what we discussed  
4 earlier about illiquids only representing 25  
5 percent or less and the fact that private  
6 equity return assumptions, return expectations  
7 are tied very much to the U.S. market which  
8 means that they are low relative to what would  
9 normally be considered to be normal, the  
10 optimizer could look at that and say we want  
11 less private equity given the group constraint  
12 we put on the illiquids. And we said well,  
13 that would be -- that is all well and good if  
14 we wanted less private equity, but we have 6  
15 percent already so we wanted to be realistic

16 about it.  
17 MR. HADDAD: Let me add a little basis.  
18 This is one that evolved over our many  
19 discussions over the months. We started with  
20 plus or minus 2 percent for private equity for  
21 the reasons Robin articulated. We didn't want  
22 to go down too hard because selling it, there  
23 is a transaction cost involved. We didn't  
24 want to increase too much because it's hard to  
25 get the money to work in a reasonable amount

0045

1 Proceedings  
2 of time and you don't want vintage risk.  
3 So if I recall, the optimizer came out  
4 with 5 percent recommendation at one point.  
5 And one of the lenses we at BAM have are  
6 seeing five different consultants' capital  
7 markets assumptions. And Rocaton is an  
8 outlier on the low side for U.S. equities and  
9 private equity. So within that, we didn't  
10 think it -- you know, we don't want to -- we  
11 don't want to challenge them on the capital  
12 markets assumption, but we want to say you are  
13 an outlier and, you know, the returns that we  
14 have had relative to the previous  
15 recommendation or two or three X that, so  
16 let's not decrease this, let's at least hold  
17 it equal. And if you don't want any more,  
18 that's one thing. So this is kind of one that  
19 we I think negotiated on.

20 But then to Robin's point, we are happy  
21 to go back with iterations if you guys want  
22 more or less to show you what that looks like.

23 MR. ADLER: I understand you don't want  
24 to challenge them on their capital markets  
25 assumption, but I don't think we are under

0046

1 Proceedings  
2 such a limitation. When is the appropriate  
3 time to have that discussion?  
4 MS. PELLISH: Well, I think --  
5 MR. ADLER: It may not be right now.  
6 MS. PELLISH: It could be, but I think  
7 rather than saying to us well, I think the  
8 right number is 7 --  
9 MR. ADLER: I am not going to say that.  
10 MS. PELLISH: No, but I think it could  
11 be -- if I were inclined, internally we do  
12 challenge because we have lived with this for  
13 a long time and we will be right at some  
14 point. But I think it's reasonable for the  
15 board to say, what if you were more in line on  
16 your equity assumptions, on your U.S. equity  
17 assumption. I don't think we are so far off

18 on non-U.S. or emerging --  
19 MR. HADDAD: I think that's right.  
20 MS. PELLISH: -- but what if your U.S.  
21 equity and private market equity assumption  
22 was more in line with other consultants, how  
23 would that affect this recommendation? So  
24 rather than debate what's the right number is  
25 --

0047

1 Proceedings

2 MR. ADLER: I don't want to debate the  
3 right number. I just want to understand some  
4 things.

5 Like just one example -- and this may  
6 not be the right time to do it, but comparing  
7 2016 to 2019 your premium for private equity  
8 over U.S. equity went from 100 basis points to  
9 330 basis points. So last time 4.6 to 5.6,  
10 this time 3.4 to 6.7; that's pretty shocking.  
11 Could you just explain that one? And there is  
12 other ones that are surprising, but that one  
13 is just like -- I can't wrap my head around.

14 MR. NANKOF: Sure.

15 MS. PENNY: John, where are you looking?

16 MR. ADLER: I am looking at page 5 at  
17 the capital markets expectations. So the  
18 third and fourth column, you see in June, 2016  
19 Rocaton had a capital markets expectation of  
20 4.6 for U.S. equity and private equity 100  
21 basis point spread, 5.6. And today, the  
22 street -- you know, so it's more than 200  
23 basis points lower, but they increased the  
24 private equity by 100 basis points. So the  
25 total difference is over 300, so how do you

0048

1 Proceedings

2 get from --

3 MR. NANKOF: During that three-year  
4 period, we changed the methodology --  
5 "changed" it may be too strong a term,  
6 modified the methodology for private equity  
7 modelling to loosen the tie. It loosened the  
8 tie to U.S. equity, the current valuation in  
9 U.S. equity markets, and U.S. equity returned  
10 expectation over the next five or ten-year  
11 horizon. And that's -- that's with  
12 recognition of what we have seen -- how  
13 clients are investing in private equity which  
14 is yes, there is a lot that is very equity,  
15 very much equity linked in private equity  
16 portfolio. But there are other things that  
17 are less equity linked, like credit or -- it  
18 could be -- it's just different types of  
19 strategies that are not, you know, strictly

20 buyouts.  
21 MR. FULVIO: To be more focused in the  
22 smaller --  
23 MR. ADLER: But we don't do that in  
24 private equity; we do that in OFI. We don't  
25 do debt investing.

0049

1 Proceedings

2 MR. DONE: I would add that in private  
3 equity, there is a buy-in in the capital  
4 markets cycle for us to invest in strategies  
5 that are -- I call it special situations, as  
6 we mentioned in the annual plan, if things  
7 were more value credit oriented.

8 MR. NANKOF: We understand there are  
9 different flavors of credit; some that are  
10 more liquid, semiliquid which are probably in  
11 your OFI portfolio, definitely in your OFI  
12 portfolio. But there are other less-liquid  
13 credit strategies which are in limited  
14 partnerships, which belong more in the -- they  
15 are in drawdown structures which belong and  
16 end up in private equity portfolios, again,  
17 like you are doing. So there has been a  
18 recognition. We have seen with our clients  
19 results that the private equity allocations  
20 are not behaving as closely to U.S. equity  
21 markets as we had originally thought.

22 The other piece to it is there is a  
23 global -- there is a global piece to it as  
24 well, so some non-U.S. exposure in private  
25 equity portfolios. And we recognize that more

0050

1 Proceedings

2 explicitly in our forecast going forward as  
3 well because if it were just tied to the U.S.  
4 then, yes, the return expectations were much  
5 more closely tied to the U.S. equity market,  
6 but private equity portfolios in general do  
7 have non-U.S. exposure and you can see there  
8 is growing disparity between U.S. and non-U.S.  
9 forecast in our forecast as well.

10 MR. ADLER: Alex, how much non-U.S.  
11 exposure do we have in our private equity  
12 portfolio?

13 MR. DONE: I want to say it's about 20,  
14 plus or minus, percent in aggregate. I don't  
15 know Teachers' numbers specifically, but it's  
16 in that neighborhood.

17 MR. ADLER: That seems high. I don't  
18 really think we have 20 percent, but we can  
19 check.

20 MR. DONE: On an MAB basis you do.

21 MR. YUAN: I just want to highlight,



22 historically if we -- 15.9 says 14.3 to  
23 private equity, 160 basis points historically  
24 -- so I will just comment on the historical  
25 performance, private equity outperformed U.S.

0051

1 Proceedings

2 equity by 160 basis points versus our current  
3 forecast of 330 basis points.

4 MR. ADLER: Anyway, we can come back on  
5 the whole capital markets assumption. That  
6 was just one that stuck out at me.

7 MR. NANKOF: Of course.

8 MR. ADLER: So let me not interrupt your  
9 presentation any further.

10 MR. NANKOF: Please keep interrupting  
11 with any questions.

12 MR. ADLER: Oh, you better not say that.

13 MR. NANKOF: So on page 14, we already  
14 discussed some of this. I think the message I  
15 want to leave you with on this page is: What  
16 you can see if you look across the 5, 10 and  
17 thirty-year assumptions, for just about every  
18 asset class the next five years is below the  
19 next ten years and the next ten years is below  
20 the next thirty years. And that's a function  
21 of everything Mike Haddad went through a few  
22 minutes ago; low rates, low spreads, and  
23 higher equity market valuation more so in the  
24 U.S., less outside the U.S. as we already  
25 discussed. And I think that's -- those are

0052

1 Proceedings

2 the key things, the key message I want to  
3 leave you with on page 14.

4 On page 15 I would refer to this as a  
5 bit of a scorecard across all the asset  
6 classes trying to measure them, I would say,  
7 in loose terms across a number of metrics that  
8 are important when you consider how an asset  
9 class fits into a portfolio. So things  
10 like -- and, again, we have talked about this  
11 already -- what the valuation is, where are  
12 they relative to history trading. And you can  
13 see it's not a pretty picture; that generally  
14 things are expensive or moderately priced  
15 relative to history. Then returns of course,  
16 how they contribute to returns to a portfolio.  
17 And then diversifications properties is  
18 another one I want to highlight. And you can  
19 see -- in the middle of the column, going down  
20 the column you can see treasuries, mortgages,  
21 and credit generally offer the greater  
22 diversification properties. And when we say  
23 "diversification," that's relative to equity

24 risk in the portfolio. You can see U.S.  
25 equity is low diversification relative to  
0053

1 Proceedings

2 itself of course. We already talked about  
3 liquidity, and we will talk about target  
4 allocations, and the basket clause we already  
5 discussed. Again, we created a checklist here  
6 of how they contribute to the basket as well.

7 MS. PELLISH: But just to highlight  
8 this page, this is -- really these are the  
9 tradeoffs that are involved in optimization.  
10 This is all we have. We have these criteria  
11 and we are trying to put together a basket --  
12 a portfolio that isn't dramatically different  
13 from the portfolio you have today, because we  
14 are not going to change 50 percent of the  
15 portfolio. But we are trying to identify  
16 based on these tradeoffs, what relatively  
17 modest changes would enhance outcomes over the  
18 next five to seven years.

19 MR. NANKOF: This is a way to just  
20 provide a visual and just, again, a bit of a  
21 scorecard which is what really the optimizer  
22 is taking into consideration. So when you say  
23 think about the optimizer, as Robin put it  
24 earlier, I didn't wince at all. It's just a  
25 mathematical formula which is solving -- given  
0054

1 Proceedings

2 all these inputs, it's solving for what the  
3 best risk-adjusted return portfolio is across  
4 the risk curve. And we will look at the  
5 visual in a minute of what the optimizer gave  
6 us.

7 On pages 16 and 17 -- and I am looking  
8 at these together, everybody else can do the  
9 same -- we have the current actual asset  
10 allocation for the portfolio as of September  
11 30th. And you can see here it's about 50  
12 percent in public equity. There is a variety  
13 of other illiquid asset classes; real estate,  
14 private equity, infrastructure, real assets,  
15 and then we have total investment grade fixed  
16 income which I will have you focus on which is  
17 about 23 percent. And then we again have got,  
18 I will call it, credit-oriented asset classes;  
19 high-yield bank loans, convertibles, and TIPS  
20 of 4 percent, and OFI is at the bottom of  
21 almost 3 percent.

22 If you just slide your eye over to the  
23 right you can see the policy target, we are  
24 very close on public equity. We are above our  
25 target in investment grade fixed income. That

0055

1                               Proceedings  
2 is a function of placeholders which we will  
3 talk about in a minute for asset classes which  
4 we have targets to, but we are not funded at  
5 that level yet. And I think everyone is  
6 familiar with how we have treated unfunded  
7 targeted commitments to private assets and  
8 that falls -- that falls into investment grade  
9 fixed income to a great extent; not entirely  
10 -- not the only thing that's driving that, but  
11 that's most of what's driving that. If you  
12 look at the recommended targets, the most  
13 notable change -- and we will talk in a minute  
14 about why and I think we have already covered  
15 a lot of this -- is to reduce public equity by  
16 7 percent roughly and increase commensurately  
17 investment grade income fixed income by 8  
18 percent. There are a number of other, I will  
19 say much, smaller changes. That's the main --  
20 that's the primary change that I think is  
21 worth discussing today.

22               We can discuss anything else you would  
23 like. I think the motivation for this -- as  
24 represented by the optimizer, but again we  
25 have talked about a lot of the rationale -- is

0056

1                               Proceedings  
2 on page 17. And the way I would really  
3 characterize this curve is again this is what  
4 the optimizer, the red line -- so the  
5 efficient -- the red line and the efficient  
6 frontier is just given all the inputs we  
7 talked about; the returns, the risks, how  
8 correlated the assets classes are with one  
9 another. Optimizer asks the question, the  
10 following question: What's the best -- what  
11 is the mix of assets at every risk level that  
12 gives me the best return? Okay, so the  
13 optimizer says there is no better return I can  
14 get than if you look at 10 percent risk  
15 portfolio. If you just slide your eye up, I  
16 can't get better than 6.2 percent. That's  
17 what it's telling us. Compound and there is a  
18 mix of assets which gets us that.

19               Now, this curve -- and we looked at  
20 this, as Robin said, thousands of times; not  
21 just a thousand, thousands of times over the  
22 years. This curve is extraordinarily flat  
23 today. Meaning that as you move from left to  
24 right and take on more risk, you are getting  
25 less and less return. You get some

0057

1                               Proceedings

2 incremental return to a point, but we have  
3 lived through periods if you go back to '09  
4 the U.S. equity market is another data point  
5 has generated more than 13 percent annualized  
6 returns over the last ten years. From the  
7 bottom in '09, that's an over 13 percent  
8 annualized for ten years. That's an  
9 extraordinary return. That's almost double  
10 per year what we expect over the very long  
11 term, which is about 7 percent. So we have  
12 enjoyed a fantastic period in history for the  
13 last ten years being an investor, but I think  
14 our assumptions recognize it would be  
15 difficult to reproduce that for the next five  
16 or ten years. And that's what this curve is  
17 really a function of; saying if U.S. equity is  
18 a big part of our portfolio, we can't get much  
19 more return as we continue to increase risk.  
20 So we are saying if we are not getting a lot  
21 more return per unit of risk when we go out on  
22 the curve, maybe it's a good time to ratchet  
23 back risk a little bit and take money out of  
24 the U.S. equity particularly and put money in  
25 fixed income, which is a more defensive place

0058

1 Proceedings

2 to be for the near term.

3 And when we say "near term," more  
4 immediate term. We are not making a decision  
5 and expecting to make a change in six to  
6 twelve months. We should think of any  
7 strategic change to be a minimum of three  
8 years. Not to say we won't review this  
9 between now and then, but we want to be  
10 willing to live with this decision -- any  
11 decision we make when we make a decision which  
12 is not today, for three years or more. We  
13 have plotted the policy targets, policy target  
14 and what we are intending to recommend at some  
15 future meeting for consideration. But, again,  
16 we are looking for input and questions today.

17 And what you can see looking at page 16  
18 is that for the next five years -- well, I  
19 would say for the next five, ten or thirty  
20 years, we are bringing the risk down from  
21 about 11 percent to about 10 percent. So we  
22 are reducing risk about by 10 percent; 1  
23 percent reduction on 11 percent start. It's a  
24 meaningful reduction in risk. And then we are  
25 sacrificing almost no return against any of

0059

1 Proceedings

2 the time horizons we are looking at. So for

3 the next five years, we would say they are

4 equivalent from a return standpoint. And for  
5 the next ten years, we would say it's about a  
6 10 basis points, 6.2 versus 6.1 percent  
7 expectation. So we think risk-adjusted return  
8 has improved. Risk is lower, return is about  
9 the same for the next ten years. And we would  
10 also say if I kept these portfolios for the  
11 next thirty years, the expectation is that you  
12 get -- you would get a 7 percent or more  
13 return for the next thirty years in either  
14 portfolio. Of course, that's not the way  
15 things work. We don't just put a portfolio in  
16 the drawer for thirty years and come back  
17 thirty years later. We are going to be  
18 looking at this obviously on a regular basis  
19 over that time.

20 Any questions?

21 MS. VICKERS: I don't know if now is the  
22 best time to sort of talk about -- to discuss  
23 the last thing that you said about sort of,  
24 you know, where we are right now, which is  
25 discussing a portfolio that is significantly

0060

1 Proceedings

2 below our targeted rate of return, and you  
3 know, sort of how the board feels about that.

4 MR. NANKOF: Part of the response would  
5 be: So the targeted return I will say  
6 actuarially is a very, very long-run  
7 expectation and I would probably look at it  
8 more relative to the third-year expectations.  
9 Now, I would say as a function of our  
10 forecasts or capital market assumptions -- and  
11 if you look at this efficient frontier, we are  
12 saying for -- and this efficient frontier is  
13 based on the next ten years. There is not a  
14 portfolio with our assumptions that can  
15 generate 7 percent for the next ten years.

16 MS. PELLISH: And our constraints.

17 MR. NANKOF: And the constraints.

18 MS. VICKERS: Understood, but the  
19 actuary is here and, you know, I don't know --  
20 I don't think that the implications of less  
21 than 7 percent are kind of what -- the  
22 shorter-term impact than thirty years is what  
23 I am trying to get at.

24 MS. CHAN: I will say for when you look  
25 at a portfolio, I know that the thirty year is

0061

1 Proceedings

2 above 7 percent, the expected return. But  
3 when you look at the liability and you weight  
4 it on present value basis, the first ten years  
5 has a lot heavier weight than a thirty-year

6 horizon. So there is -- there should be --  
7 even though, you know, pensions -- obviously  
8 liabilities is a long-term investment horizon,  
9 you should be putting more weight in the first  
10 ten years.

11 MS. VICKERS: From a planning  
12 perspective?

13 MS. CHAN: From just a pure present  
14 value perspective. Because cash flows down  
15 the road once they are discounted so many  
16 years down, they don't have as high an effect  
17 as the first ten years because your money is,  
18 you know, closer to -- you need to plan for  
19 the next ten years more than you need --

20 MS. VICKERS: So that over 7 percent  
21 return is worth less the farther out you go?

22 MS. CHAN: Right.

23 MS. VICKERS: So I understand sort of  
24 what you are saying. And what BAM has said,  
25 that there is just -- there is nothing on this

0062

1 Proceedings

2 line that get us even close to consider where  
3 we need to be. So I don't know how to address  
4 that, but it is an issue that I would like to  
5 kind of discuss more and, you know, just maybe  
6 think about, you know, any stone unturned. Is  
7 there anything that we can do to kind of even  
8 get incremental increases?

9 MS. PELLISH: So one thing I will say is  
10 that although we haven't explicitly noted it  
11 here, our assumptions are all beta  
12 assumptions, passive assumptions. So we can't  
13 -- we are trying to stay in a broad asset  
14 class, and this is particularly relevant for  
15 private markets; the broad asset class within  
16 private markets, this is what we think the  
17 universe of opportunities will generate. Now,  
18 your investments in private markets have done  
19 much better than the universe of  
20 opportunities. So I think there is -- these  
21 numbers do not reflect the incremental returns  
22 we would anticipate that you earn in your  
23 private equity private real estate and  
24 infrastructure portfolios.

25 MR. ADLER: That's true of the capital

0063

1 Proceedings

2 markets. I mean, I know it's supposed to be  
3 true.

4 MS. PELLISH: Yes.

5 MR. ADLER: But I, again, was  
6 questioning some of the private markets  
7 assumptions given these larger spreads. They

8 don't take into account --  
9 MS. PELLISH: We don't assume skill,  
10 seriously.  
11 MR. HADDAD: Ouch.  
12 MS. PELLISH: But maybe we should in  
13 your case.  
14 MR. KAZANSKY: To all active members  
15 watching --  
16 MS. VICKERS: We are being asked to make  
17 decisions based on the lowest common  
18 denominator; just the average general return  
19 for each of these things. And I don't know if  
20 there is a way to bake in some of those other  
21 assumptions or the assumptions that you are  
22 not making.  
23 MR. NANKOF: We have, for clients, added  
24 active management premiums across asset  
25 classes to approximate what the -- the actual

0064

1 Proceedings  
2 portfolio -- well, the portfolio's expectation  
3 is with the market, plus active management net  
4 of fees. So we have done that and we have  
5 standard assumptions, which is not to say we  
6 never customize them for clients. But we do  
7 have assumptions across asset classes which  
8 attempt to estimate what that might be, what  
9 skill could generate.  
10 MR. KAZANSKY: So for private markets --  
11 I will use private equity as an example: If  
12 we have the ability to hire only managers in  
13 the top two quartiles, would it make sense to  
14 use return assumptions based on the top -- you  
15 know, the top of the spectrum rather than the  
16 entire spectrum of managers?

17 MR. NANKOF: I think that -- that is the  
18 type of thing we can absolutely do; we can add  
19 those premiums. Typically the way we would  
20 do it is we optimize the way we have done  
21 already, so the process that you have -- we  
22 have tried to illustrate for you today and  
23 describe to you today would -- would be  
24 identical. And then we would say well, given  
25 the asset allocation that we are recommending

0065

1 Proceedings  
2 and the premiums we believe we can attain  
3 across each of the asset classes, what would  
4 the portfolio level premium be that we would  
5 add to the 6.2 percent or whatever the number  
6 is for the next ten years. And I would just  
7 give you a sense of can we get you to the 7  
8 percent given this asset allocation and the  
9 skill that you think you are deploying across

10 the portfolio or accessing.  
11 MR. ADLER: It strikes me -- and you  
12 mentioned this before, Robin -- that the  
13 determinant here is your U.S. equity  
14 assumption, which is -- as you said, it's way  
15 below all the other assumptions we see from  
16 all the other consultants and from the market  
17 as a whole. So what would this look like if  
18 you were to use more of a consensus U.S.  
19 equity assumption and you had suggested --  
20 MS. PELLISH: We could look at that.  
21 MR. ADLER: I would ask to look at that,  
22 whether it's the other New York City  
23 consultants or the eVestment, whatever it is  
24 out there as a consensus. Because, Mike, what  
25 would be the consensus of U.S. equity?

0066

1 Proceedings  
2 MR. HADDAD: Six.  
3 MS. PELLISH: It's a big difference.  
4 MR. ADLER: It's a huge difference. And  
5 it seems to me obviously even if we just took  
6 your thing with a 6 percent allocation, you  
7 are looking at a much higher expected return.  
8 Now, it's going to -- obviously doing that you  
9 are going to change everything as well, but  
10 that 3.4 is such a killer, truthfully, in  
11 terms of expected return.  
12 MS. PELLISH: Yes.  
13 MR. YUAN: So what John said, I do have  
14 two slides maybe I can just give you just to  
15 follow up that discussion.  
16 MS. PENNY: What is this we are giving  
17 out?  
18 MR. YUAN: The U.S. equity return.  
19 MS. PENNY: I would ask if you have  
20 anything in the future, give it to us ahead of  
21 time so we know what --  
22 MR. ADLER: We just talked about it late  
23 yesterday, so I apologize. And, by the way,  
24 we only got Robin's thing yesterday, so it's  
25 hard to --

0067

1 Proceedings  
2 MS. PENNY: We have had this for a  
3 while.  
4 MR. ADLER: We only had Robin's.  
5 MS. REILLY: The recommendations we have  
6 had for a while.  
7 MR. ADLER: Go ahead, Steve, explain  
8 this.  
9 MR. YUAN: I guess explain the table.  
10 For example, the last twenty-five years I  
11 highlighted in yellow: What it means is in



12 the last twenty-five years, average inflation  
13 is about 2.2 percent. The Fed fund raised  
14 about 2.6 percent, which is the kind of return  
15 you will get from the savings bank. Money in  
16 the bank, that's average twenty-five years  
17 what you are going to get; average ten years  
18 is about 4.1 percent. And if we use Rocaton  
19 cap PE model, the expected S&P return is about  
20 6.5 percent compound for the next ten years.

21 So I guess just want to make a quick --  
22 I guess using one hundred years data, can you  
23 say the expected S&P report will be only 2  
24 percent, which is kind of this in the green  
25 column which is basically to say S&P Index is  
0068

1 Proceedings

2 going to be flat if you exclude the dividend.  
3 And if you use fifty years, which is what  
4 Rocaton is using, we are getting 3.5 percent  
5 which is very close to 3.4 percent; that's in  
6 the presentation. But if we are using other  
7 data like thirty years, twenty years, we are  
8 getting to 6.5 percent or 6 percent. So it's  
9 a very wide range how many years of data we  
10 use; we are getting from 2 percent to 7  
11 percent.

12 MS. PENNY: We will just ask Rocaton to  
13 look at it. And in the future if you have  
14 anything, please let us know ahead of time.

15 MR. ADLER: This would be a hard thing  
16 to just send out because it needs an  
17 explanation.

18 MS. PENNY: But to have somebody who is  
19 not part of the board --

20 MR. ADLER: He is part of the board  
21 because he is with me. He is a designated  
22 trustee; he is a designated trustee.

23 MS. PENNY: Robin, will you continue.

24 MR. KAZANSKY: We can all bring our own  
25 analysts. The meeting will go till 3:00 in  
0069

1 Proceedings

2 the morning.

3 MS. PELLISH: Sure.

4 So we have taken away a few points and I  
5 think we are virtually done.

6 MS. VICKERS: I have two more. And it  
7 might be in here and I sort of missed it, but  
8 just going back to the basket: Do we have  
9 your example and recommended portfolio and  
10 then unconstrained portfolio, what that would  
11 look like?

12 MS. PELLISH: No, but we can.

13 MS. VICKERS: That would be great.

14 MR. ADLER: Oh, I have another.  
15 MS. VICKERS: Oh, go ahead.  
16 MR. ADLER: Can you explain why you  
17 increased your return assumptions for core  
18 real estate from 6.4 to 7.4 even though cap  
19 rates are what lower? Yes, cap rates have  
20 gone down; isn't that what you said, Mike?  
21 MR. HADDAD: Yes.  
22 MR. ADLER: Cap rates have gone down,  
23 but you are increasing assumption for core  
24 real estate? I don't understand that. I  
25 mean, what you said, Mike, I think was that

0070

1 Proceedings

2 generally cap rates are the sort of predictor  
3 for core real estate returns.

4 MR. NANKOF: I mean, we will take that  
5 back and we can do it. I would say that, you  
6 know, that we are now explicitly incorporating  
7 the leverage that the core real estate  
8 managers incorporates into the portfolio. So  
9 historically core real estate funds have about  
10 -- and this represented the index that we use  
11 for core managers. The OECD Index which is  
12 open, that has about 30 percent leverage in  
13 it. And I am not -- could be that three years  
14 ago, we were not as explicitly incorporating  
15 that. So -- but we will go back and look into  
16 that because I understand that it seems a  
17 little bit strange that the returns have gone  
18 up given, the cap rates have gone down in that  
19 period.

20 MR. ADLER: And sort of one other  
21 question: So your return expectation for high  
22 yield goes down by 80 basis points. You are  
23 now recommending an increase of 3 percent in  
24 the high-yield allocation. The original  
25 proposal that your -- "proposal" is the wrong

0071

1 Proceedings

2 word, but proposal that you put out I think in  
3 the summer had a zero allocation to high  
4 yield. So I am just trying to understand  
5 where the high-yield thinking comes from.

6 MS. PELLISH: It came --

7 MR. NANKOF: Well, I think that -- that  
8 came from the fact that, I mean, if we are  
9 reducing equity by as much as we are reducing  
10 equity, we are also looking to replace and we  
11 are also looking to reduce risk. High yield  
12 is a way to get return with less risk. It  
13 also doesn't contribute to the basket clause  
14 like some of the other asset classes that  
15 could get us return to substitute for the fact

16 that we are -- you know, we are losing return  
17 by reducing risk.

18 MS. PELLISH: Bank loans for example  
19 went down to zero, so there was a tradeoff  
20 between bank loans and high yield.

21 MR. ADLER: But bank loans is basket;  
22 high yield is not.

23 MS. PELLISH: Some of high yield is.

24 MR. ADLER: Very little.

25 MS. PELLISH: Yes, so we were creating

0072

1 Proceedings

2 basket availability.

3 MR. ADLER: But couldn't again just --  
4 you get a much higher Sharpe ratio from OFI  
5 and then you can take -- you know, what you  
6 had explained last time was that you were  
7 taking bank loans and putting them into  
8 infrastructure. So now you are saying bank  
9 loans going into OFI -- not into OFI, into  
10 high yield.

11 MS. PELLISH: But if you look at the  
12 combination: What I am saying the combination  
13 of high yield and bank loans in the current  
14 allocation, the current target is 7 percent  
15 so we are raising high yield to 8 percent.  
16 And bank loans are going to zero, so there is  
17 a net additional 1 in the combination of bank  
18 loans and high yield.

19 MR. NANKOF: High yield -- again, high  
20 yield has diverged, as low as the return might  
21 seem, and it is relative to what a normal  
22 return would be for high yield over a  
23 reasonable time horizon. If it were fairly  
24 valued, it doesn't take up basket clause -- it  
25 doesn't take up basket, I should say, and it

0073

1 Proceedings

2 offers a better return than U.S. equity with  
3 considerably less risk. It's -- it's the best  
4 among a number of not great choices I guess is  
5 the way -- that's the way the optimizer would  
6 tell us.

7 MR. ADLER: I still wonder about the  
8 reduction in OFI, given that OFI I think has,  
9 I think, the highest Sharpe ratio by far of  
10 anything in your list except for -- well, it's  
11 still the highest at 48.

12 MR. NANKOF: I think that's a basket  
13 issue.

14 MR. HADDAD: It's completely basket,  
15 John. It's competing with basket assets so  
16 competing with EM equity, international  
17 equity, private equity, infrastructure; that's

18 where it comes from.  
19 MR. ADLER: It's strange to me because  
20 they all had lower Sharpe ratios. Now, there  
21 may be a correlation issue.  
22 MR. NANKOF: Yes, there is a lot that's  
23 going into the optimizer and correlations are  
24 a factor.  
25 MR. ADLER: Well, it would be

0074

1 Proceedings  
2 interesting to see that and say what if we put  
3 some of that into OFI. Again, we are not  
4 seeing -- I would be interested in seeing sort  
5 of the alternatives here and how they play out  
6 because just looking at the numbers, some of  
7 it is kind of strange. It's not intuitively  
8 making sense. And you talked about earlier,  
9 Robin, the optimizer spits out numbers, but  
10 there are qualitative determinations. It just  
11 looks like OFI, you know, pretty high return,  
12 pretty low volatility.

13 MS. PELLISH: So we can look at what  
14 happens if we apply a constraint to OFI and  
15 raise that allocation.

16 MR. HADDAD: Just intuitively if you go  
17 through it, if you increase OFI you have to  
18 take something out of the basket; that's where  
19 it's got to come from. So run through your  
20 options on the basket and you cannot do the  
21 math in your head, but you can see the  
22 direction of that.

23 MR. ADLER: Well, again just looking at  
24 Sharpe ratio and correlation, you would think  
25 you would be better off. Again, I realize you

0075

1 Proceedings  
2 have to take into account the implementation  
3 challenges because OFI is -- it's not liquid.  
4 But from a correlation and Sharpe ratio  
5 perspective, you would think OFI would be  
6 better than either international or emerging  
7 markets. I mean, they both have lower Sharpe  
8 ratios and higher correlation to U.S. equities  
9 than does OFI, you know.

10 MS. PELLISH: We will look at that.

11 MR. ADLER: I want to see -- you know, I  
12 want to taste the cooking, but I want to see  
13 what the ingredients are.

14 MS. PELLISH: The way to really look at  
15 it is yes, because there are so many pieces  
16 moving simultaneously and it's hard to  
17 identify all the tradeoffs, but we can look at  
18 different portfolio mixes. So for example  
19 what would happen if we changed the U.S.

20 equity assumption, what would happen if we  
21 forced the higher allocation to OFI, and we  
22 can also look at an unconstrained portfolio;  
23 just all items that have been raised.

24 MS. PENNY: I think Susan has been  
25 waiting.

0076

1 Proceedings

2 MS. VICKERS: We talked a little bit  
3 about it. I want to go back to convertibles,  
4 because on all of these charts I don't know if  
5 convertibles count against the basket or not.  
6 So they are not basket assets and, you know,  
7 the return assumptions and the actual returns  
8 are pretty good.

9 MS. PELLISH: So we did include converts  
10 to -- converts today have a zero target  
11 allocation. They have a little bit of a  
12 natural allocation because it's used as a  
13 parking place, but we did include converts as  
14 well as other asset classes in the original  
15 runs. And the optimizer was I think producing  
16 target allocation, something under 2 percent  
17 and we decided that was a suboptimal -- that  
18 was too small and we decided to move that down  
19 to zero.

20 The other issue with converts that we  
21 ran into -- and we did have an allocation to  
22 converts and you may or may not recall that  
23 Rocaton was a big advocate of converts  
24 historically. Because there are some  
25 interesting properties in that asset class,

0077

1 Proceedings

2 the system had a hard time finding managers to  
3 implement a reasonably -- an allocation of  
4 virtually any size. And so it was a  
5 combination of two things; one, having a  
6 reasonable allocation, 3 percent or more, to  
7 convert to is hard to implement across the  
8 system. Secondly, the optimizer given all the  
9 tradeoffs and converts have a pretty high  
10 equity correlation, it produced a very modest  
11 allocation to it. So we rounded down to zero,  
12 essentially.

13 MR. NANKOF: The next ten-year  
14 assumptions for convert forecast is 3.1  
15 percent return, which is close to U.S. equity.  
16 And it's driven by its link to U.S. equity, so  
17 that's a factor. That's driving convert, the  
18 allocation to convertible that the optimizer  
19 gives down and then took the additional steps  
20 that Robin mentioned.

21 MS. VICKERS: I would just say, can we

22 throw that back in? Because if it's either,  
23 you know, sort of in the no stone left  
24 unturned, trying to buck up sort of wherever  
25 we can, because historically there has been

0078

1 Proceedings

2 this outperformance of U.S. equity. And I  
3 think that convertibles are for this kind of  
4 crazy interim plan of the market. I don't  
5 know exactly what to do.

6 MR. ADLER: And high yield too.

7 MR. NANKOF: If we look at a U.S. equity  
8 return which is closer to the 6 percent we  
9 talked about earlier, we would want to change  
10 the way we model asset classes, given that  
11 other asset classes are -- we don't want to  
12 just change one asset class and ignore the  
13 fact that there are these linkages across  
14 other asset classes. We want it all to make  
15 sense together, so converts would be a  
16 byproduct of that.

17 MR. HADDAD: But if you look at the  
18 capital markets assumptions, now converts have  
19 one of the lowest Sharpe ratios on the entire  
20 list. So that's intuitive as to why the  
21 optimizer for these capital markets  
22 assumptions would not go for them.

23 MS. VICKERS: Right, and that means when  
24 you say -- remind me what that means.

25 MR. HADDAD: Low Sharpe is bad.

0079

1 Proceedings

2 MS. PELLISH: Return for per unit of  
3 risk. So I'm going to jump in because we have  
4 a presenter from Sustainalytics waiting. I  
5 want to tell you the last two pages in this  
6 dec are important, but -- I don't want to give  
7 it short shrift, but we will be continuing  
8 this discussion.

9 The next-to-last page, 18, talks about  
10 how we are proposing that the investment grade  
11 fixed income allocation be structured. And  
12 importantly the headline here is we are  
13 proposing a reasonably significant increase in  
14 the capital allocation to investment grade  
15 fixed income, but not the duration target. So  
16 your current target has a duration of  
17 investment grade fixed income of over thirteen  
18 years. You haven't gotten there and, you  
19 know, that you haven't gotten there. The  
20 implementation of that has been slowed down  
21 since you approved the last target allocation.  
22 We are suggesting that you keep the current  
23 duration allocation close to what it is

24 currently, about eight years, by allocating  
25 between shorter-term treasury bonds and  
0080

1 Proceedings

2 longer-term treasury bonds. And the logic for  
3 keeping, not lengthening duration as we  
4 initially proposed three years ago is if we  
5 reduced the allocation to U.S. equity, the  
6 need for that level of insurance goes down.  
7 And another important factor is it's  
8 particularly unattractive to buy long  
9 government bonds today. So those two factors  
10 lead us to recommend an increase in the  
11 capital allocation, but not an increase in the  
12 target duration exposure.

13 And then the last page, page 19, is a  
14 list of other items that will be addressed  
15 once the board has voted on any changes to the  
16 target asset allocation policy and there is a  
17 lot of things like parking places, rebalancing  
18 ranges, pacing analyses. All of these are  
19 really important items that focus on the  
20 implementation of the policy, but you have to  
21 get to the policy before we address the  
22 implementation issues.

23 MR. KAZANSKY: Robin, you are mentioning  
24 and really this whole thing is based on  
25 modifying the decision or adjusting our  
0081

1 Proceedings

2 choices that we made three years ago?

3 MS. PELLISH: Yes.

4 MR. KAZANSKY: Wasn't the return  
5 expectation three years ago in the 6s for the  
6 immediate future at that point in time, as  
7 well so is this?

8 MS. PELLISH: That's a good question.

9 MS. VICKERS: I think it was like 6.8.

10 MR. HADDAD: If you go to Slide 5 --

11 MR. KAZANSKY: I have a draft.

12 MS. PELLISH: No, you are right. 6.7.

13 I'm sorry, that is --

14 MR. KAZANSKY: So it's not drastically  
15 far off where we were a few years ago as far  
16 as our expectation.

17 MS. PELLISH: Yes, that's a very good  
18 point. Thank you.

19 MR. NANKOF: To that point, the fund's  
20 return for the last three years since that  
21 study is 9.4 percent annualized, so we have  
22 exceeded the expectations and that's -- that's  
23 part of --

24 MR. KAZANSKY: Nothing wrong with  
25 exceeding expectations.

0082

1 Proceedings

2 MR. NANKOF: No, that's great. And part  
3 of the logic for our lower-return expectations  
4 today is that we don't believe you can  
5 continue to exceed long-term expectations in  
6 the short term and just continue to have that  
7 be true in the future.

8 MR. ADLER: You don't think we should  
9 change our assumed interest rate to 9.4  
10 percent?

11 MR. NANKOF: Probably a little bit, you  
12 know -- you know, unrealistic.

13 MS. PELLISH: So thank you. And this is  
14 really helpful to get all the feedback from  
15 the board and we will be back to you. I don't  
16 know if we will be able to be back in January  
17 because there is a fair amount of work that we  
18 need to do, but we will be back as soon as  
19 possible so we can continue this dialogue and  
20 hopefully get to a point where we are  
21 comfortable taking a vote.

22 MS. PENNY: Do we need to stretch for  
23 five minutes, anyone, before Sustainalytics  
24 comes?

25 MR. ADLER: Sure.

0083

1 Proceedings

2 MS. PENNY: Okay, five-minute stretch.

3 (Recess taken.)

4 MS. PELLISH: We have representatives  
5 from Sustainalytics in to talk to the board  
6 about their activities in terms of engagement  
7 with companies. And I am going to allow them  
8 to introduce themselves and I think we have --  
9 so we have about 25 minutes scheduled. So  
10 thank you.

11 MS. PENNY: And welcome again to  
12 Teachers' Retirement System.

13 MS. SOLOVIEVA: Wonderful. Thank you so  
14 much. Thank you, Robin. So I think many of  
15 you know me already. It's wonderful to be  
16 here again. Thank you for the opportunity to  
17 speak about our engagement services. It's a  
18 unique opportunity.

19 We have Charlotte here who is based  
20 actually in our Copenhagen office and really  
21 runs the commercial engagement activities,  
22 really an expert in this field. So we really  
23 want to take this opportunity to have  
24 Charlotte introduce herself and help answer  
25 any questions that you might have. I think

0084

1 Proceedings



2 one of the things we want to touch on is how  
3 assets in Europe are usually engaged in  
4 services in particular. I think that might be  
5 something that's of interest, so Charlotte.

6 MS. MANSSON: Great. Thank you very  
7 much for having us here. I am really thrilled  
8 to have a chance to come to speak to you.

9 Just very briefly about myself, I worked  
10 in the responsible investing for like a long  
11 time coming up to thirteen, fourteen years and  
12 I focus on our engagement plans like. That  
13 means I am often out and about meeting with  
14 clients, investors in general, getting an  
15 understanding for what are the trends that we  
16 see in the market and how are investors  
17 reacting to increasing legislative pressures  
18 or stakeholder pressures in general, and of  
19 course ESG members. I also work very closely  
20 with some of our pension fund clients in  
21 Europe where I meet with their trustees, with  
22 their investment committees. We go through  
23 engagement strategies, we talk about their  
24 overall stewardship activities so their  
25 approach to stewardship, and that also

0085

1 Proceedings  
2 includes their wishes to focus on impact and  
3 reporting through engagement also. So that's  
4 just a little bit about myself.

5 You know everybody.

6 MR. RAIMONDI: I have met most of you  
7 before so Matt Raimondi, Sustainalytics. I am  
8 on the client advisor team. So nice to see  
9 all of you again.

10 MS. MANSSON: So I also want to spend  
11 one minute reflecting. I remember the first  
12 time I came to New York to meet with investors  
13 to talk about responsible investing and that's  
14 about ten years ago. And it was quite  
15 difficult to get a meeting with investors to  
16 discuss this; there just wasn't that much of  
17 an interest. We met with some of the  
18 faith-based investor organization endowments,  
19 but otherwise you didn't see very much  
20 traction in this field. And I just spent the  
21 past few days attending events and conferences  
22 and when I see how that has changed, it's  
23 really quite remarkable. So I just -- I  
24 attended the Responsible Investor Conference  
25 yesterday and there were so many pension fund

0086

1 Proceedings  
2 representatives there. And it's really  
3 encouraging to see how it has moved up the

4 agenda so, yes, I am thrilled to be here also.  
5 I was looking -- when I was preparing  
6 for the meeting, I was looking at TRS'  
7 investment beliefs and I see that the ultimate  
8 goal is to provide secure and sustainable  
9 pensions. Now engagement is really about  
10 that, right? It's about long-term value,  
11 preservation of your members' pensions. Now  
12 it's about addressing any of those long-term  
13 risks that are in the portfolios and  
14 engagement is very much a strategy for doing  
15 that. It's -- first of all, you are managing  
16 the risks in your portfolio, but it's also  
17 about embracing stewardship responsibilities.  
18 So as an asset owner there are ways that you  
19 can really show the investment beliefs you  
20 have and really make sure that you have an  
21 impact; a positive impact on society, on the  
22 environment, and so forth. It's also about  
23 having a link between engagement and voting,  
24 so ensuring that there is that connection so  
25 that you can vote in accordance or in

0087

1

#### Proceedings

2 alignment with what you are engaging and vice  
3 versa. Because, otherwise, you might actually  
4 hamper the activities of the engagement  
5 program. So there is a lot of different cases  
6 and I just want to highlight some of those.

7 We have a lot of slides here and we only  
8 have 25 minutes, so I am going to dip in and  
9 out of the dec. Please feel free to contact  
10 us afterwards if you have a question about  
11 some of the slides.

12 I am going to go to Slide Number 8,  
13 which just kind of highlights the kind of  
14 engagement we have. So -- and we call them  
15 pillars, so engagement pillars and it's based  
16 around three different approaches to  
17 shareholder engagement:

18 The first one is around the thematic, so we call it stewardship and risk. And it's  
19 focusing on certain amount of -- like it could  
20 be climate change, it could be workers'  
21 rights, it could be plastics in the economy,  
22 and so on. So we have a large number of  
23 different themes that are identified by  
24 Sustainalytics, but also by our clients. So

0088

1

#### Proceedings

2 they come to us and say, here is a topic which  
3 is of particular importance to our members or  
4 our clients and we would like to do something  
5 around that.

6           The second one that we have is around  
7 business conduct. So, as you will know, when  
8 you are a large global investor there are lots  
9 of things in your portfolio; holdings that  
10 aren't always so nice, to be quite honest.  
11 It's about being aware of that. It's about  
12 business' conduct, so here we are talking  
13 about violations of like laborer rights, child  
14 labor, it's about environmental pollution,  
15 it's about corruption, money laundering, and  
16 so on. We gauge on the back end of the  
17 extensive research that we have in this field.  
18 So we identify the companies that are  
19 violating many of these standards, norms and  
20 conventions and then focus the engagement  
21 around bringing those companies into a  
22 compliant status where they are no longer  
23 breaching and where they -- we ensure that  
24 they have processes in place so that will not  
25 happen again in the future.

0089

1                           Proceedings

2           The third pillar is really where we  
3 focus on very much the materiality aspects and  
4 here it's a direct link with our risk rating,  
5 which identifies companies that are either  
6 high or severe risk. And we look at a large  
7 number of different indicators where we  
8 evaluate a company's ability to manage those  
9 risks and then we engage on the back end of  
10 that.

11           So just to give you -- those are the  
12 three approaches that we see that most  
13 investors use. So it's the proactive, the  
14 thematics, but also about business conduct and  
15 managing the risks.

16           If you go to the next slide, I just want  
17 to highlight a few things about why we think  
18 Sustainalytics' engagement is a really strong  
19 offering and really solid position.

20           So we have been doing it for a long  
21 time. And what I mean by that is earlier this  
22 year Sustainalytics acquired a firm called GES  
23 International. I was part of that firm and we  
24 were a shareholder engagement firm having a  
25 large global client base. We have been doing

0090

1                           Proceedings

2           that for about 25 years. Now we work with the  
3 likes of the Swedish AP funds that you might  
4 be aware of. We also work with the UK postal  
5 pension fund, the London Transport for London  
6 pension fund, and so forth. So really large  
7 pension fund schemes and we represent almost

8 60 clients globally with about 2 trillion a  
9 year in assets under advisement, which is  
10 quite significant when you are trying to get  
11 Facebook to agree to a meeting or trying to  
12 get Shell or BP to discuss some of their  
13 large-scale environmental issues, right.

14 So we also have a very transparent  
15 engagement program and that means that clients  
16 can participate in meetings, they can dip in  
17 and out of conference calls. We also organize  
18 trips. We go to a lot of different locations.  
19 We went to visit cocoa plantations in the  
20 Ivory Coast, do see how child labor is being  
21 addressed. We went to visit dams in Brazil.  
22 And clients can participate if they want to in  
23 those. However not everybody can go along to  
24 these things or might not have the resources,  
25 so we make everything available on the client

0091

1 Proceedings  
2 platform. So you can go in and see, well,  
3 what letters were sent to which  
4 representatives of the company, what were the  
5 responses, what were the agenda items. And it  
6 really allows you to report extensively to  
7 your stakeholders as well, so it means you can  
8 follow the engagement very close either in  
9 person or also do it by a report. The  
10 engagements are really focused on specific  
11 goals. So whenever we find an issue that  
12 needs to be engaged on, we will develop it to  
13 your strategy; so who do we speak to within  
14 the company, what is it that we are trying to  
15 obtain through the engagement dialogue, where  
16 is it that we want to try to move the company.  
17 And then we measure very carefully what the  
18 progress is, what the milestones achieved are,  
19 and so forth.

20 We also have a terrific team. We have  
21 25 engagement managers based in North America  
22 and Europe. You might have seen that Wanda  
23 Brower has just joined the New York team. We  
24 are really delighted to have her onboard.  
25 Super excited because we are expanding our

0092

1 Proceedings  
2 North American presence, so we have a team  
3 here and in Toronto and then a large part of  
4 the team is also in Europe.  
5 And then just lastly: It's about having  
6 a global coverage, global presence. So we  
7 engage globally, which means we also need to  
8 be a global firm and a global team. So we  
9 have a large engagement presence in emerging

10 markets where we have a dedicated emerging  
11 markets part of the engagement team. They  
12 travel extensively, probably about 150 days a  
13 year. They are currently in China at the  
14 moment meeting with some of the quite  
15 challenging engagement companies that we have  
16 there, but it also means that they understand  
17 the context that the companies are operating  
18 in. They have the language capabilities. We  
19 are frequently in Moscow where we engage with  
20 the likes of Gazprom and Norilsk and you need  
21 to have not only the language, but also  
22 cultural awareness and understanding what the  
23 context is, especially for emerging markets.

24 So just a little bit about how we  
25 approach engagement. I want to emphasize that

0093

1 Proceedings

2 because there are a lot of different  
3 understandings or perceptions of what  
4 shareholder engagement is. So for us it's  
5 really about building up a constructive  
6 dialogue, so we don't go out and name and  
7 shame to the media and so forth. We really  
8 approach the company in a constructive way  
9 where we work together on furthering their  
10 corporate agenda and making right any wrongs  
11 that have taken place. Now, it means that we  
12 build up the relationship around  
13 confidentiality and trust, so we don't share  
14 information or responses to the wider public;  
15 it's between the clients and the company and  
16 ourselves. And we conduct our meetings in a  
17 very, you could say, mutually respectful  
18 manner and the dialogue really affects that  
19 very much. As I say, the clients can be a big  
20 part of it if that's what they want to do. We  
21 also have some clients that do some engagement  
22 as well and the rest is done in parallel.  
23 This is in particular with clients who want to  
24 engage in home market companies or they have a  
25 specific sector they want to focus on and then

0094

1 Proceedings

2 we do something in parallel as well.  
3 Are there any questions so far?  
4 MS. GREEN-GILES: Can you elaborate a  
5 little bit about your success metrics for  
6 engagement? So idealistically you are going  
7 to see some culture behavior change perhaps,  
8 but we know realistically there is a lot of  
9 cost of doing business box checking that  
10 happens among a lot of these offenders. So  
11 how do you sift through real change, which is

12 procedural change?

13 MS. MANSSON: That's a really good  
14 question, because I have also seen a lot of  
15 change over the years.

16 So in the beginning there was a term  
17 which was "Tea and Biscuits" which is meet  
18 with the company, have a nice cup of tea and a  
19 biscuit, and then meet again, and that's it;  
20 and then there was no followup, no measuring.  
21 That's not really how engagement is done  
22 anymore. So you have these clear goals and  
23 objectives in the beginning and we measure  
24 progress in three parameters. We look at the  
25 response of the company, so how willing are

0095

1 Proceedings

2 they to speak to their shareholders or their  
3 investors and ourselves. We look at the  
4 progress. So are we actually making any  
5 progress, is the company disclosing  
6 information, are they making changes to  
7 whatever it was that wasn't right. And then  
8 the last parameter are milestones. So we have  
9 five milestones in an engagement where the  
10 first one is establishing contact and then the  
11 last five, last one is the objectives have  
12 been met and we have now resolved the case; we  
13 have now closed the case. We measure that on  
14 a three-year basis and we are looking at  
15 tangible outcomes, tangible impact that we can  
16 measure, and we can report on.

17 When we don't see any progress or any  
18 willingness to interact or we are just being  
19 stonewalled or they are not really sharing  
20 anything, we also have a process which is  
21 called "Low-Performance Process." And that  
22 means we throw everything at it, so we will  
23 exhaust all our tools. We will write to the  
24 board, the CEO, we will get shareholders  
25 involved and they will co-sign letters and so

0096

1 Proceedings

2 on; try to encourage the company to come to  
3 the table. If nothing happens still, then we  
4 will disengage and what that means is that we  
5 will stop our engagement efforts. We notify  
6 the company that now on behalf of our clients,  
7 we have decided to disengage. Now, for some  
8 of our clients it also means they will exclude  
9 the company from their investment portfolio.  
10 This is in particular many of our Nordic  
11 pension fund clients; they have in their  
12 investment policy that we can -- you know, we  
13 can accept that there are violations in our

14 portfolio, but if the company isn't interested  
15 in addressing them that's sort of that red  
16 line that they don't want to have the company  
17 any longer.

18 So, yes, so that's a little bit about  
19 how we measure progress.

20 MS. VICKERS: A different question. You  
21 know, we are working with Sustainalytics to  
22 firm up an arrangement to have you annually  
23 report back in our portfolio and do some the  
24 screens. Can you just describe how the  
25 engagement practice works with that practice

0097

1 Proceedings  
2 within Sustainalytics?

3 MS. MANSSON: The overlay, because  
4 actually the engagement is an overlay to two  
5 of those screenings. So we engage on, it's  
6 called "Global Standard Screening." So the  
7 identification of violations right? So this  
8 is conduct violations, so we engage on all  
9 what we call the noncompliant and watchlist  
10 companies and there is a direct link between  
11 the two. And then the other one that's an  
12 overlay is surrounding risk rating that we  
13 have. So we engage with companies that are  
14 either high or severe risk, so these are  
15 companies that are not managing their risks  
16 and they have a high risk already. So let's  
17 imagine an extractor company exposed to a lot  
18 of risks in that sector and they are not  
19 managing those risks properly, so we would  
20 engage those as well. So that's really the  
21 advantage of being a one-stop shop, as we call  
22 it, because there is that seamless link  
23 between the research. You can always refer  
24 back to the research and explain why did we  
25 choose that company to engage on and how does

0098

1 Proceedings  
2 the engagement reflect or how is it reflected  
3 in the research later on, right?

4 MS. VICKERS: Right. Can you talk about  
5 that a little more, how it's reflected in the  
6 research later on?

7 MS. MANSSON: Yes. For the business  
8 conduct where we are engaging on the  
9 violations, the goal is obviously to stop the  
10 violations and to make the companies  
11 compliant. So hopefully after the engagement  
12 process has taken place, then the status would  
13 change to compliant or at least to watchlist,  
14 if it's not compliant down to watchlist.

15 MS. VICKERS: So is it the engagement

16 team that's sort of informing the research  
17 team and would cause the rating or the color  
18 or the --

19 MS. MANSSON: Well, there is a lot -- we  
20 have a lot of acronyms as well, so yes and no.  
21 So we believe it's quite important that each  
22 of our services has its own sort of integrity  
23 so it isn't influencing the other services in  
24 an unduly way, but what happens is that the  
25 engagement managers will -- with respect to

0099

1 Proceedings

2 the company, they will encourage them to make  
3 information publicly available; so you really  
4 should be disclosing this widely, it should be  
5 on your website, you should be sending this  
6 information out proactively and so forth,  
7 which will influence either your rating or it  
8 will influence your noncompliant status as  
9 well.

10 MS. VICKERS: So it's more objective if  
11 it's out there transparent to everyone oh,  
12 yes, success with this one?

13 MS. MANSSON: Exactly, because we also  
14 believe that there needs to be -- there needs  
15 to be more widespread verification of facts as  
16 well. So it can't just be the companies  
17 sitting and saying to us in private yes, we  
18 are on top of that, we fixed it, here is  
19 something, here is a policy that we might be  
20 implementing next year. Okay. Okay, no, we  
21 actually do need you to implement it and it  
22 needs to be known to everybody. All the  
23 stakeholders need to be aware of that and the  
24 best way to do it is to make it publicly  
25 available. So it's really holding them

0100

1 Proceedings

2 accountable and make sure there is followup to  
3 the discussions that we have with them so that  
4 it isn't just in that -- you know, that closed  
5 forum where we are discussing it; we need to  
6 see it implemented as well.

7 MS. SOLOVIEVA: Maybe just another thing  
8 to add, there are two separate teams; so the  
9 team that is doing the research and then there  
10 is the engagement team. So there is a  
11 separation there as well. And the engagement  
12 teams do have the ability to of course  
13 leverage all of the research that the research  
14 team has done, which is one of the really I  
15 think big advantages of Sustainalytics; the  
16 fact that the engagement managers have access  
17 to a lot of research we have already done, but



18 they are two different teams.  
19 MS. MANSSON: I should also say that the  
20 clients have access to the engagement managers  
21 as well. So that's why for example you are  
22 speaking to one of your external managers that  
23 holds a problematic company, then you would  
24 want to ask that manager about what it's  
25 doing; you could look up the information,

0101

1

Proceedings

2 also. And this is how the engagement with  
3 Walmart is going for example and then you can  
4 call up the engagement manager for a quick  
5 briefing when you speak to your external  
6 manager. You say, we understand  
7 Sustainalytics has a conversation with  
8 Walmart, these are some of the problems, are  
9 you aware of that, are you also asking Walmart  
10 about these things. At the end of the day --  
11 and that's a very clear trend we have seen  
12 with our pension fund clients; they are  
13 holding their external managers much more  
14 accountable, so there/that is really all the  
15 way from the due diligence of the new managers  
16 onboarding throughout the relationship of the  
17 managers. They are asking for more reporting,  
18 for alignment with the pension fund's own  
19 investment beliefs, and so forth. So that's  
20 one way to look at that, also.

21 I just wanted to touch on a couple --

22 MR. ADLER: No, go ahead. I will ask  
23 afterwards.

24 MS. MANSSON: I just want to touch on a  
25 couple of things. And I am conscious of time,

0102

1

Proceedings

2 also.  
3 If you go to slide 14, just to say a  
4 little bit about one of the trends that we  
5 see, what are investors really concerned about  
6 from a thematic perspective as well. I think  
7 it almost doesn't need mentioning, but climate  
8 change is very high up in the agenda. To such  
9 an extent that some investors maybe feel that  
10 it's hijacking the agenda a little bit too  
11 much sometimes, because it is an incredibly  
12 important topic but there are also other  
13 topics that are very important also,  
14 especially in the social area and the  
15 governance area as well. And of course you  
16 can argue if you have a really good corporate  
17 governance, they would be managing other  
18 aspects also. So we do have a lot of  
19 corporate governance in our engagement.

20 We are launching a theme which is all  
21 about tomorrow's board, so how do company  
22 boards manage the ESG challenges the company  
23 is facing, how do they incorporate it into the  
24 long-term strategy and so forth. But we also  
25 focus on such things as child labor in the

0103

1 Proceedings

2 cocoa sector, food supply chain. So we took a  
3 number of investors to Italy to visit tomato  
4 farms and it was interesting because we  
5 brought along supermarket chains as well as  
6 investors to visit the farmers. And the  
7 farmers explained to the supermarket chains,  
8 we are under such price pressure from the  
9 supermarket chains that we are having to  
10 employ very, very low wage workers which then  
11 means that there is a lot of illegal  
12 immigrants working in the plantations or  
13 having very poor working conditions as well.

14 So really bringing all the stakeholders  
15 together into one room and saying, how do we  
16 address that. These are, you know, across the  
17 sector. It wasn't just about what does  
18 Walmart do, no; what do all large supermarket  
19 chains do to address this. So the thematics  
20 are very, very much focused on raising  
21 standards across different sectors. And in  
22 here, I mean for your own sort of reading  
23 later on, there are some examples as well of  
24 cases. There is a study on or a case we have  
25 had on Walmart for a long time. You can have

0104

1 Proceedings

2 a look at that just to see how that engagement  
3 has been led. We have examples on child labor  
4 in the cocoa sector just to give you an idea  
5 of what does an engagement look like, how does  
6 it start, how do we measure it, what are the  
7 kind of activities that we do, and what are  
8 the potential outcomes of an engagement also.

9 When it comes to reporting, I mentioned  
10 before we are focusing a lot on really the  
11 tangible impacts and so forth. Just to give  
12 you a little bit of an overview: Last year we  
13 resolved 34 cases and moved 48 milestones  
14 which might not seem like a very large amount,  
15 but keeping in mind that some of these large  
16 companies take a really long time to engage  
17 with and I think it's important to recognize  
18 that. On average, we looked at all the  
19 engagements we have done on average. An  
20 engagement case is about three years from  
21 start to finish. So from the time that we are

22 made aware that there is a problem that needs  
23 to be engaged on until it's resolved, on  
24 average it's about three years; sometimes it  
25 could be faster and other times it can on drag

0105

1 Proceedings

2 on for a really long time. A lot of different  
3 factors play into that, so we will keep you  
4 informed as we go through the reporting. And  
5 there is really expansive reports; quarterly  
6 report, annual reports, and loss statistics,  
7 and case studies that you can share with your  
8 stakeholders as well for your own annual  
9 reporting and so on, but this is -- it's a  
10 patience --

11 MR. BROWN: Is there any followup after  
12 you complete a case, you go back after a year  
13 or so and be a --

14 MS. MANSSON: And see if it's starts to  
15 -- well, I mean, yes. So we have re-offending  
16 companies for sure and the way we identify is  
17 really through our research. So if a company  
18 -- if a case has been resolved but we will  
19 pick up another controversy or allegation or  
20 that the company has relapsed, we will reopen  
21 a case because clearly it didn't quite work  
22 right; they didn't stick to the processes they  
23 had implemented or there just wasn't enough  
24 coordination throughout the large organization  
25 of.

0106

1 Proceedings

2 MR. BROWN: You said you never go to the  
3 news media. Is there ever a case where you  
4 see something so upsetting that you feel  
5 compelled to go to the news media?

6 MS. MANSSON: No, we leave it to our  
7 clients to do it actually.

8 MR. BROWN: Do you recommend that they  
9 go to the news media?

10 MS. MANSSON: Oh, I don't know what to  
11 say. It can be effective. I think if you  
12 have a very high-profile case which might need  
13 additional nudging from investors, it can be  
14 effective for a client to go and talk to the  
15 media about it. It's --

16 MR. BROWN: Big decision.

17 MS. MANSSON: It's a big one. And you  
18 are also putting your own name on the line, so  
19 to speak. So it's a bit -- we have clients  
20 that do it, that go or HAGMs are very vocal  
21 about certain cases and so on. And if they  
22 need us to help them getting the research, you  
23 know, go speak to whoever they want to speak

24 to, we can do that as well. But we have a lot  
25 of clients, especially pension fund clients,  
0107

1 Proceedings

2 that don't wish us to take that role. They  
3 don't want us to speak that publicly on their  
4 behalf. You see what I mean, in terms of  
5 naming and shaming a company.

6 MS. SOLOVIEVA: I think another  
7 interesting thing to note is that the  
8 anonymity that's possible for clients.

9 MS. MANSSON: That's an important point.  
10 So not all our clients wish to be public about  
11 their names with the investors, so what we do  
12 is we contact the companies initially and say  
13 we are here representing a number of clients  
14 and then we would mention the clients that are  
15 happy to be mentioned. But the ones that  
16 don't wish to, we wouldn't disclose the name  
17 of the investor to them.

18 MS. GREEN-GILES: That makes me wonder  
19 if you in the course -- so it's a private  
20 relationship. You are hired by the  
21 investigator, you go and you discover  
22 something illegal or -- I mean, how much are  
23 you responsible for reporting to local  
24 government, to NGOs on top of whatever you are  
25 going to report to the client?

0108

1 Proceedings

2 MS. MANSSON: So, I mean, we will engage  
3 on the back end of the research and that is  
4 typically where anything illegal would have  
5 been disclosed, right, would have been  
6 revealed, so to speak. I mean, we are not --  
7 we are not investigative reporters in that  
8 sense. We will go in and assess the processes  
9 and the management systems based on what --  
10 what the company discloses or based on what's  
11 publicly available, but we don't -- we don't  
12 investigate in that sense. You see what I  
13 mean, the difference between -- so we will see  
14 what they are disclosing or what is publicly  
15 available. I don't recall any instances where  
16 we had discovered anything illegal that wasn't  
17 already known to be illegal.

18 MS. PENNY: Do you have any statistics  
19 about how successful the engagement is? And  
20 also so you engage, everything is good, we  
21 decide to invest, and then a repeat offender;  
22 do you have any --

23 MS. MANSSON: Yes. I mean, so last year  
24 73 percent of the engagements had a medium to  
25 high progress, which you -- if you remember, I

0109

1

Proceedings

2

said we have these -- those three parameters that we measure that, so that's quite good; things moving along definitely quite nicely. In terms of reopening of cases I don't have the have the statistics sort of on me now, but I can find out.

8

MS. PENNY: Again most concern everything is final, we invest and then there is a problem.

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

0110

1

Proceedings

2

is a recognition of that and that's really working with a company to address that.

4

MR. BROWN: Do you ever fear the safety of the people who are going to the engagement?

6

MS. MANSSON: That's a good question.

7

Yes, yes.

8

MR. BROWN: It's a little dangerous.

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

0111

1

Proceedings

2 definitely have some clients that are very  
3 adventurous, up for going to many different  
4 interesting places, but -- yes, but obviously  
5 always with safety in mind.

6 MR. ADLER: Question: So it's not clear  
7 to me, how do you select the companies for  
8 engagement? If a client says to you we would  
9 like you to engage with company XY, do you say  
10 sure, we will do that or do you have a process  
11 for determining what your engagement targets  
12 are?

13 MS. MANSSON: Yes, we do have a process.  
14 So the way it works is that for the business  
15 conduct cases, we look at a large universe; so  
16 a large investment universe which will follow  
17 some of the large benchmarks. And then our  
18 research will identify which of the companies  
19 in there are noncompliant or on a watchlist,  
20 then we will engage on that group. For the  
21 material risk engagement, it's really looking  
22 at those companies that we have identified as  
23 being high risk or near risk. If you come to  
24 us and say this is the universe that we  
25 develop in, we will notify you these are the

0112

1 Proceedings

2 companies in that universe that are eligible  
3 for engagement. So we have a case where there  
4 is a violation or we deem that this company  
5 has a large unmanaged risk that needs to be  
6 engaged in the last pillar, the thematic one,  
7 there we look very much on client holdings.  
8 So we work with the clients to choose the  
9 companies for the themes.

10 So, first of all, we will do a benchmark  
11 report off of a large benchmark and we will  
12 identify the companies that are most exposed  
13 to whatever risk it is that we want to focus  
14 on for the theme. And then we will work  
15 together with the clients on selecting 20  
16 companies for each theme and this is to ensure  
17 that client holdings are part of the theme,  
18 right? Because this is a more -- it's a  
19 three-year very focused thematic engagement,  
20 so we want to make sure the clients have the  
21 most important holdings in that theme.

22 MR. ADLER: So back to the business  
23 conduct, to be clear: Business conduct, you  
24 saw a company that is deemed to be  
25 noncompliant or watchlist, that's through the

0113

1 Proceedings

2 Sustainalytics rating system?

3 MS. SOLOVIEVA: The UN Global Compact

4 screening.

5 MR. ADLER: So the company is on that  
6 list as noncompliant or watchlist, you are  
7 going to engage with that company?

8 MS. MANSSON: Yes. So we currently have  
9 about 600 companies that we engage on. Yes,  
10 and --

11 MR. ADLER: But that's worldwide.

12 MS. MANSSON: Yes.

13 MR. ADLER: Do you know how many in the  
14 emerging markets?

15 MS. MANSSON: Out of that group, 250.  
16 Keeping in mind, we have a lot of developed  
17 market companies that have operations in  
18 emerging markets as well. So the 250 are the  
19 ones with headquarters in emerging markets.

20 MR. ADLER: Domiciled in emerging  
21 markets.

22 MS. MANSSON: Then you have a whole  
23 other string.

24 MS. SOLOVIEVA: What I thought was  
25 particularly interesting when we were

0114

1 Proceedings

2 preparing for this meeting is that two of the  
3 companies that you asked me to showcase in the  
4 case studies are actually companies that we  
5 are actually engaging in, so Gazprom and  
6 Norilsk Nickel.

7 MS. MANSSON: So Anya was telling me you  
8 were interested in those two places. Our  
9 emerging markets team has gone to Moscow  
10 several times to visit with the companies and  
11 we do the engagements in Russian. We bring  
12 along our Russian colleague who helps us  
13 translate. It's definitely been very  
14 interesting to meet with them. And we also --  
15 if you are familiar with Climate Action 100  
16 which is a large investor, we are the leads on  
17 Norilsk Nickel on that one. So we do that on  
18 behalf of AB 7, which is a large pension fund.  
19 So we know those two companies quite well,  
20 actually.

21 So I have tried to pick out and  
22 highlight the -- I think what would be most  
23 interesting for you, but please if you have  
24 any questions or if there is anything I missed  
25 or -- please let me know.

0115

1 Proceedings

2 MS. PENNY: Any questions?

3 MS. GREEN-GILES: Just procedurally, we  
4 contract on an annual basis. It's a  
5 three-year cycle time you are saying, so

6 how --

7 MS. MANSSON: Just for the thematic one,  
8 just for the theme. For the other engagements  
9 you can join any time and leave any time, so  
10 to speak. For the themes, we ask that you  
11 sign up for the duration of the theme. So if  
12 you join in the first year, then you would  
13 sign up for three years. But if you join in  
14 the second year, you would join just for the  
15 second and third year. We typically don't  
16 recommend joining for the third year because  
17 you just join the back end of it and miss out  
18 on being able to engage with the companies.  
19 But it's a for -- for a clients that sort of  
20 are starting out, want to dip their toes in  
21 the sort of the engagement pool, it's quite  
22 nice to do a little bit of a combination of  
23 having that Global Compact engagement. A lot  
24 of investors call it the hide gene; there are  
25 not nice things in your portfolio and I need

0116

1 Proceedings

2 to engage on that, but then there is also  
3 thematic. So if there is a topic they feel is  
4 particularly important to them, it could be in  
5 the climate space or labor rights, whatever it  
6 might be where you think here is something  
7 which is really close to the DNA of our  
8 organization of our members, we want to focus  
9 on that for the next two, three years or  
10 something like that.

11 MR. ADLER: I'm sorry, how does the  
12 pricing work? Maybe someone can explain that.  
13 Is it just like a straight fee and then we  
14 choose what to do; is it a la carte?

15 MS. MANSSON: No. So it's relatively  
16 straightforward in that sense that you define  
17 to us well, this is the investment universe  
18 that we are interested in and then we give you  
19 a fee for that. And then for the themes, it's  
20 a fixed fee for -- on an annual basis.

21 MR. ADLER: For each theme?

22 MS. MANSSON: Yes.

23 MS. SOLOVIEVA: Or there is a bundled  
24 option, so there are four themes.

25 MS. VICKERS: So do we have a bundled

0117

1 Proceedings

2 option based on the other stuff that we were  
3 talking to Sustainalytics about.

4 MS. SOLOVIEVA: Blue in terms of if you  
5 are subscribing to the research and then  
6 engagement.

7 MS. VICKERS: It wasn't one of the add



8 ones?  
9 MS. SOLOVIEVA: No. So we can't add any  
10 pricing for engagement because engagement in  
11 the U.S., it's only something now we are  
12 starting to offer to clients.  
13 MS. VICKERS: Is it the same entity,  
14 still Sustainalytics?  
15 MS. SOLOVIEVA: It's Sustainalytics,  
16 yes. Actually, the contracts already have  
17 language around engagement as well as a  
18 baseline in the framework, so it becomes --  
19 let's say you did want to consider engagement  
20 down the line; it becomes an addendum to the  
21 existing agreement. And of course regarding  
22 pricing we of course take into consideration  
23 the fact that you are also research  
24 subscribers et cetera, but they are separate  
25 services; viewed as separate services.

0118

1 Proceedings  
2 MS. PENNY: Okay, fine.  
3 Thank you so much for joining us.  
4 Again, we appreciate it.  
5 MS. SOLOVIEVA: Wonderful. Thank you  
6 very much for the opportunity. And if --  
7 again if there is any kind of follow-up  
8 questions, I would be very happy to answer.  
9 There is one aspect about statistics that we  
10 will absolutely share.  
11 MS. PENNY: Okay. Thanks, everyone.  
12 Do I hear a motion to move into  
13 executive session?  
14 MR. BROWN: I move pursuant to Public  
15 Officers Law Section 105 to go into executive  
16 session for discussions on specific investment  
17 matters.  
18 MS. PENNY: Thank you, Mr. Brown.  
19 Do I hear a second?  
20 MS. VICKERS: Second.  
21 MS. PENNY: Thank you, Ms. Vickers.  
22 All in favor? Aye.  
23 Mr. BROWN: Aye.  
24 MS. VICKERS: Aye.  
25 MR. KAZANSKY: Aye.

0119

1 Proceedings  
2 MR. BUCKLEY: Aye.  
3 MR. ADLER: Aye.  
4 MS. GREEN-GILES: Aye.  
5 MS. PENNY: Any opposed? We are in  
6 executive session.  
7 (Whereupon, the meeting went into Executive  
8 Session.)  
9 MS. PENNY: Okay. Do I hear a motion to move out of

10 executive session?  
11 MS. VICKERS: So moved.  
12 MS. PENNY: Thank you, Ms. Vickers.  
13 Do I hear a second?  
14 MR. KAZANSKY: Second.  
15 MS. PENNY: Okay, all in favor?  
16 Aye.  
17 Mr. BROWN: Aye.  
18 MS. VICKERS: Aye.  
19 MR. KAZANSKY: Aye.  
20 MR. BUCKLEY: Aye.  
21 MR. ADLER: Aye.  
22 MS. GREEN-GILES: Aye.  
23 MS. PENNY: We are out of executive  
24 session.  
25 Okay, we are back. Susan, update and report.

0120

1 Proceedings  
2 MS. STANG: In executive session a  
3 discussion was held about a procurement  
4 matter; consensus was reached on the next  
5 steps. Discussion was held about a specific  
6 investment; consensus was reached as to the  
7 path forward. A discussion was held about a  
8 modification to a previously approved  
9 recommendation; consensus was reached which  
10 will be announced at the appropriate time.  
11 MS. PENNY: Okay, thank you. Is there  
12 anything else?  
13 Okay, do I hear a motion to adjourn?  
14 MS. VICKERS: So moved.  
15 MS. PENNY: Thank you, Ms. Vickers.  
16 Do I hear a second?  
17 MR. BROWN: Second.  
18 MS. PENNY: Thank you, Mr. Brown.  
19 All in favor? Aye.  
20 Mr. BROWN: Aye.  
21 MS. VICKERS: Aye.  
22 MR. KAZANSKY: Aye.  
23 MR. BUCKLEY: Aye.  
24 MR. ADLER: Aye.  
25 MS. GREEN-GILES: Aye.

0121

1 Proceedings  
2 MS. PENNY: We are adjourned.  
3 [Time noted: 1:03 p.m.]  
4  
5  
6  
7  
8  
9  
10  
11

12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
0122  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

Proceedings  
C E R T I F I C A T E  
STATE OF NEW YORK )  
: 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  
proceedings is a full and correct  
transcript of the stenographic notes taken  
by me therein.

IN WITNESS WHEREOF, I have hereunto  
set my hand this 16th day of December,  
2019.

---

YAFFA KAPLAN