

1 TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK

2

3 INVESTMENT MEETING

4

5 PUBLIC MEETING

6

7 September 7, 2023

8 10:12 a.m.

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10 Remote Proceeding

11 New York, New York

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23 William Montague

 Digital Reporter

24 Notary Commission No. 01MO0009174

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2 PATRICIA REILLY, TRS EXECUTIVE DIRECTOR

3 BRYAN BERGE, MAYOR'S OFFICE

4 THOMAS BROWN, CHAIR, TRUSTEE

5 GREGORY FAULKNER, PANEL FOR EDUCATIONAL POLICIES

6 ALISON HIRSH, COMPTROLLER'S OFFICE

7 DAVID KAZANSKY, TRUSTEE

8 VICTORIA LEE, TRUSTEE

9

10 ALSO PRESENT:

11 STEVEN MEIER

12 MICHAEL FULVIO

13 AMANDA JANUSZ

14 ED BERMAN

15 ROY APPLEMAN

16 JOHN GLUSZACK

17 JANET LONDO-VALLE

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1 (The proceedings commenced at 10:12 a.m.)

2 MS. REILLY: We'll start by calling the role.

3 Bryan Berge.

4 MR. BERGE: Bryan Berge representing Mayor

5 Eric Adams. Present.

6 MS. REILLY: Thomas Brown.

7 MR. BROWN: I'm here, Patricia. Good morning.

8 MS. REILLY: Good morning. Gregory Faulkner.

9 MR. FAULKNER: Present.

10 MS. REILLY: Alison Hirsh.

11 MS. HIRSH: Alison Hirsh representing

12 Comptroller Bradley. Present.

13 MS. REILLY: David Kazansky.

14 MR. KAZANSKY: Present.

15 MS. REILLY: Victoria Lee.

16 MS. LEE: Present.

17 MS. REILLY: We have a quorum, and I'll turn

18 it over to the Chair.

19 MR. BROWN: Good morning, everybody, and

20 welcome. Welcome, Greg.

21 MR. FAULKNER: Thank you.

22 MR. BROWN: To this meeting. I appreciate it.

23 Welcome to the first investment meeting of the school

24 year.

25 We start on a sad note because TRS lost a

1 wonderful person, Susan Sang. She was a friend of all
2 of ours. She taught me so much. We worked closely
3 together so many years. She was a dynamic person, full
4 of life, always had a good story. Everything she said,
5 it wasn't that she said funny things, everything she
6 said was funny and she embellished.

7 I always looked forward to seeing her, and I
8 walked in today and I feel such a great loss, so I just
9 wanted to start. Maybe we can stand with a moment of
10 silence for our dear friend Susan Sang. Stand for a
11 moment. Thank you.

12 (A moment of silence was observed.)

13 MR. BROWN: Thank you. First thing, we have
14 the Passport Funds 2nd Quarter of 2023 Performance
15 Review, and Mike and Rocaton, it's all yours.

16 MR. FULVIO: Great. I will share my screen to
17 help facilitate the discussion. Hopefully folks can see
18 that.

19 So I was really going to use the quarterly
20 update to just provide a more holistic review of the
21 prior fiscal year, at a very high level. You'll recall,
22 it was a strong 12-month period ending June 30th for
23 equity returns. So the U.S. stock market, as a whole,
24 up nearly 20 percent last year, developed markets
25 trailing very closely behind, about 19 percent in U.S.

1 dollar terms.

2 Emerging markets with a very slight positive
3 return up about 1-and-a-half percent, and then across
4 fixed income markets, obviously, you know, more notable,
5 more notably different numbers, when you look at
6 different sectors. We saw a very notable rise in
7 interest rates over the last 12-to-18 months, and you
8 can see that show up in the performance of the Bloomberg
9 U.S. Aggregate Bond Index, which had a modest negative
10 return last year of about 1 percent, and then corporate
11 high yield with corporate bond spreads and interest rate
12 changes. Last year, we saw a return of about 9.1
13 percent.

14 We also saw significant reversal of the
15 rallying commodities that we saw in the prior 12-month
16 period, and you can see the Commodities Index down about
17 14 percent last year.

18 So with that as a backdrop, I'll cover very
19 quickly, at a high level, the returns of the Passport
20 Funds for that fiscal year. You can see here in the
21 one-year column on this page, the Diversified Equity
22 Fund ended the year with assets of just over
23 \$16-and-a-half billion, with a total return of 18.2
24 percent. That was ahead of the Global Market Composite
25 Index as well as the hybrid benchmark post benchmarks

1 you would expect to track relatively closely, as we look
2 forward, based on how they're constructed.

3 We saw some value add in terms of active
4 manager outperformance particularly in the U -- excuse
5 me, in the international equity composite for the fiscal
6 year and some very slight outperformance for the U.S.
7 equity composite.

8 When we look at the Balance Fund last year,
9 again a mix of stocks, a conservative mix of stocks and
10 bonds. That fund returned about 5.1 percent last year,
11 roughly in line with its benchmark. The International
12 Equity Fund on its own, with assets of about 245
13 million, that fund was up over 16 percent last year.

14 The Sustainable Equity Fund, you can see, had
15 a very notably strong return of about 21.5 percent,
16 strong return, in absolute terms. It did trail its
17 benchmark, which was up over 27 percent. And then for
18 the two index options within the Passport Funds, the
19 U.S. Equity Index option up over 18.8 percent, and the
20 International Equity benchmark -- excuse me,
21 International Equity Index Fund up over 12 percent.

22 So very strong environment for a lot of these
23 very equity oriented funds, as you would expect, and
24 happy to report that we saw, generally speaking,
25 especially as it impacted the Diversified Equity Fund,

1 positive manager value add, contributing to that.

2 So beyond that, I noted what was a pretty
3 strong environment for the 12 months and year to date
4 period. We saw that continue into July, and Amanda is
5 going to cover off-performance for the Passport Funds in
6 July. Just, before we do that, just want to pause and
7 see if there's any questions.

8 MR. BROWN: Any questions for Michael?

9 Thank you, Mike.

10 MR. FULVIO: Okay.

11 MR. BROWN: So Amanda is going to do the --

12 MR. FULVIO: Yeah.

13 MS. JANUSZ: So as Mike mentioned, the month
14 of July was positive across equity markets. You can
15 see, in that one-month column for the month of July,
16 most of your equity options posting returns between 3
17 and 4 percent, for the most part.

18 In terms of the market backdrop, we saw
19 inflation coming in lower than expected, GDP a little
20 bit better than expected. Also, strong corporate
21 earnings. We also had both the Fed and the ECB hike
22 rates another 25 percent, which was in line with
23 expectations. All of those things combined to support
24 positive results across the equity markets.

25 The Diversified Equity Fund ended the month a

1 little over 17 billion in assets with a return of 3.6
2 percent, and really, pretty equal contributions there
3 between the U.S. and non-U.S. components of that, of
4 that fund. The Balance Fund up 1.44 for the month.
5 That fund is more conservative with about 70 percent in
6 short-term bonds there.

7 The International Equity Fund up about
8 3-and-a-half percent for the month of July and slightly
9 trailing that composite benchmark at 4.3. The
10 Sustainable Equity Fund continues to be one of the
11 stronger performers for the year, up about 4.4 percent
12 for the month of July and outperforming that growth
13 index. And both of your passive options, the U.S. and
14 international equity indices are tracking their
15 perspective benchmarks, as expected.

16 In terms of the year to date period, strong
17 double digit results across the board, with the
18 exception of the more conservative balanced option, and
19 the Sustainable Equity Fund continues to be the
20 strongest performer year to date as well, with a return
21 of over 30 percent through the end of July, continues to
22 benefit from the current market environment, which has
23 been favorable towards growth and particularly tech
24 stocks.

25 I'll pause there to see if there's any

1 questions on July results.

2 MR. BROWN: Any questions for Amanda for the
3 July 2023 Performance Review?

4 Great, thank you Amanda.

5 MS. JANUSZ: Thank you.

6 MR. BROWN: Appreciate it. And we go on to
7 the August 2023 Market Performance.

8 MR. FULVIO: Yep, I'll pull this up as I'm
9 speaking.

10 MR. BROWN: As good as July?

11 MR. FULVIO: Unfortunately, that was where the
12 story changed.

13 MR. BROWN: We can stop now.

14 MR. FULVIO: So we did see a draw down and a
15 lot more volatility during the month of August. The
16 U.S. equity net, the draw down there was about 2 percent
17 with the Russell 3000 ending down about 1.9 percent.

18 We saw more negative returns for international
19 equity markets being driven by the E.M. part of the
20 marketplace, which was down over 6 percent. Developed
21 markets did a little bit better, down 3.8 percent.

22 We really started to see a little bit more,
23 I'll say jitters in the market tied to a lot of what we
24 we're seeing in the news cycle with respect to concerns
25 and uncertainty around economic growth as well as

1 inflation being possibly a continued problem.

2 I think the market, in many ways, was
3 whipsawed by the headlines that were very different from
4 day-to-day, coming into especially the first part of
5 August. I'll say the good news is, since then, it's
6 starting to feel as if the talking heads in the
7 marketplace are feeling a little bit more confident
8 around the U.S. economy, as we look out.

9 Goldman Sachs lowered its probability of a
10 recession for later this year and looking out over the
11 next 12 months to about 15-to-10 percent, if memory
12 serves, and you know, that's certainly expected to help
13 with the view forward on equity markets.

14 You know, all of that said, there's also a
15 strong argument out there for equity markets having, you
16 know, rallied quite a bit this year and valuations
17 getting a bit stressed. So, you know, we're cautiously
18 optimistic about that, and as we look across the
19 Passport Funds and the benchmark performance specific to
20 those, the Diversified Equity Funds global market
21 composite is down about 2-and-a-half percent in August,
22 so we would expect the fund to attract that in. The
23 International Equity Fund down probably a little over 4
24 percent.

25 And so, you know, nothing really certainly

1 notable there, but something we're very mindful of as we
2 continue thinking and discussing strategic asset
3 allocation, which will be a topic of today.

4 MR. BROWN: Thank you, Michael.

5 Any questions for Michael on the August 2023
6 Market Performance Update?

7 Thank you, Michael. Thank you, Amanda.

8 Next on the agenda, we have the Pension Fund
9 Performance Update Quarterly Presentation. I'll pass
10 that over to Steve.

11 MR. MEIER: Great, great, thank you very much.
12 So I'm going to build on what Michael and Amanda just
13 presented. I thought they did an excellent job, so I'll
14 try to keep my comments really more focused on the
15 second quarter of calendar year 2023 or the fourth
16 quarter of fiscal year 2023. It's confusing.

17 So just as a way of background, my hope is,
18 through these quarterly updates in particular, they give
19 you a sense for what's going on in the economy, how that
20 impacts what's going on in the markets, and more
21 importantly, how that impacts your portfolio
22 performance.

23 So maybe just on the next slide, Wilfredo or
24 Kate, whoever's driving today?

25 Just a couple of quick comments. Again,

1 building off of what Mike and Amanda said earlier, so
2 the Fed is not necessarily done yet. Inflation equity
3 has come down, come down very nicely since, over the
4 past 18 months, when the Fed started its hiking cycle,
5 but I still think there may be one more hike out there
6 for this year, perhaps not in September, but maybe in
7 November, depending upon the data.

8 The ECB and the Bank of England and Europe are
9 similarly restricting -- have similarly restrictive
10 monetary policy and financial conditions. There
11 probably will be additional hikes there as well. The
12 economy is slowing, but inflation is still sticking, and
13 I'll show that in the slide in a moment.

14 I'd say the last point of note around
15 inflation is that China is becoming really an outlier
16 where, not only have they had disinflation or reduction
17 in the rate of inflation, they have had an outright
18 deflation where prices are going lower, which is a
19 challenge that no central bank really wants to face.

20 On the next slide, just a look at,
21 historically, the inflation prints, and you can see that
22 weight bar on the far right-hand side. Right now, it's
23 at 3.18 percent. That's CPI, that's headline CPI, the
24 Consumer Price Index. You can see it's down
25 significantly from the 9.1 percent hit in June of 2022.

1 So great progress there.

2 The core PCE deflator actually is a little
3 more sticky at 4.10. That's more of a challenge, I
4 think, for the Fed, and it's something that they
5 continue to focus on and getting that level down to
6 their 2 percent targets, probably may require, if not
7 just time, perhaps another additional rate hike.

8 On the next slide, a look at what's referred
9 to as super core inflation. This is a new slide for me,
10 but it really underscores the fact that there might be a
11 little more work for the Fed to do, and again, that
12 super core inflation, which excludes housing, is still
13 stuck between 4 and 5 five percent, and getting it down
14 to that 2 percent will be, again, a function of time or
15 additional hikes.

16 On the next slide, very quickly on the
17 right-hand side you can see where inflation peaked in
18 the U.S. in red and blue in Europe and the late gray bar
19 in the U.K. They have all come down directionally, you
20 see in the impact of tighter monetary conditions and
21 fiscal policy taking effect and driving those inflation
22 levels down.

23 On the next slide, a quick look at employment.
24 U.S. employment actually is slowing but it's still
25 relatively solid. We have had an initial claims report

1 today that was stronger than expected, and the stock
2 market, at least when I left the office, was selling off
3 as a result, but it's solid relative to monetary policy,
4 and what we have seen in terms of Fed rate hikes, but
5 also around expectations for an economic slowdown, which
6 we're really not seeing reflected that strongly in the
7 housing market.

8 Average job growth over the past three months
9 adjusted for revisions, it's been over 150,000 jobs per
10 month, which is above and beyond the level that's
11 required in order to put new workers to work.

12 And finally, the unemployment rate ticked up
13 in August at 3.8 percent. 100 percent of that increase
14 was due to more people entering the labor market, again,
15 looking for new positions.

16 On the next slide, just a look at those two
17 last factors I talked about. So unemployment and the
18 white on the lower right-hand side is actually, these
19 are July numbers. We just had the August employment
20 report last Friday. Unemployment is down 3.6 percent,
21 and the participation rate, again, not quite at levels
22 that we saw pre-pandemic, but it now increased to 62.8
23 percent. So those are good things the Fed wants to see,
24 more people getting back to work and a slow updraft in
25 the unemployment level associated with a slowing

1 economy, perhaps.

2 On the next slide, again, I think Mike stole
3 all my thunder here, but the U.S. economy has been
4 stronger than expected. Europe is slightly moving
5 higher, but there's still some challenges. If you look
6 at some of the numbers out of Germany, in particular, it
7 indicates a continued slowdown. And finally, China has
8 been disappointing relative to expectations.

9 On the next slide, just a chart, and what I
10 love about this chart, it looks at economic growth over
11 a 10-year period. It actually really shows how
12 disruptive the pandemic was beginning in the early part
13 of 2020 and the volatility around economic growth and
14 how things are starting to normalize, but we still have
15 some outliers.

16 I talked about China disappointing relative to
17 expectations. You can still see on the far right-hand
18 side, the green bar, still generating a 4-to-5 percent
19 GDP growth, again, below their expectations and what the
20 world was hoping for as they come out of the pandemic,
21 but still something to watch.

22 On the next slide, a look at interest rates.
23 So interest rate hikes are nearing an end. As I said, I
24 think the Fed may have one more or perhaps they're done.
25 I think there's probably another one or two hikes to

1 come from both the European Central Bank and the Bank of
2 England. China has been cutting its rates to actually
3 stimulate growth, and Japan is still very accommodated
4 with negative official rates.

5 On the next slide, this is a slide that,
6 working with Dan Haas on the reporting team and risk
7 management team, has put together. If you look on the
8 far right-hand side, you can see what looks like
9 staircases. Those are actually rate hikes for the Fed
10 up top in white, the ECB in green, and in the middle,
11 the Bank of England. And to my last comment around the
12 Bank of Japan, they're in purple on the far right-hand
13 side, lower corner. They still have negative rates, so,
14 at some point, those rates will have to normalize.

15 MS. SANCHEZ: I'm sorry for interrupting. We
16 have a new stenographer with us, and they have asked if
17 you can mention your name before you speak for minute
18 purposes.

19 MR. MEIER: Okay.

20 MS. SANCHEZ: Thank you.

21 MR. MEIER: Great. Let me start over again.

22 I'm Steve Meier, with the Bureau of Asset
23 Management and Controller's office.

24 On the next slide, very quickly look at where
25 we are at with treasury yields and credit spreads.

1 First, U.S. Treasury yields continue to move higher.
2 Mike talked about that earlier. We have seen a fair
3 amount of volatility in rates throughout the year, a
4 rally in rates moving lower in the first quarter, but
5 again, backing up in the summer, which I'll talk about
6 in a moment.

7 Credit spreads for investment grade and high
8 yield bonds also are not pricing on recession and
9 continue to tighten, which has driven some of the
10 returns we have seen in investment grade and high yield
11 investments.

12 On the next slide, so a couple of comments
13 here. Why do we always talk -- why do we look at these
14 slides? What's the information value in here? The
15 right curve on top, that's where we were as of August
16 22nd. You can see the yields have moved consistently
17 higher over the course of time since June of last year,
18 and these are base rates, so this is considered the
19 risk-free rates. And when we we talk about credit
20 spreads, we talk about investment grade and high yield
21 spreads, it's these base rates plus a spread on top, and
22 that's your return when you invest in, say, high yield
23 bond. So that's why we focus on this. This is the
24 risk-free rate, and a lot of credit that's extended
25 throughout our economy is driven off of these risk-free

1 rates, and you can see they have moved higher.

2 On the next slide, a very quick look at where
3 they are more recently. Two-year yields today are
4 slightly above 5 percent in white, and 10-year yields
5 continue to be around 4-and-a-quarter. That reflects an
6 inverted yield curve. Typically, when you -- a normally
7 shaped yield curve will have an increased risk premium
8 further out the curve. So as you take on more risk of
9 inflation ticking up over the course of time, you're
10 compensated.

11 So typically you'd buy a 10-year yield or
12 something above what you'd buy, a two-year yield. This
13 inversion basically reflects the fact that the market is
14 anticipating a reduction in, hopefully, inflation and
15 official short-term rates, which will drive two-year
16 yields lower over time, and again, that's -- and over
17 the course of time.

18 I think, Mike, what is Rocaton's estimate for
19 inflation for the next 10 years? It's 2-and-a-half-ish?

20 MR. FULVIO: 2.45 --

21 MS. JANUSZ: 2.4 or 3.

22 MR. FULVIO: Yeah, yeah, yeah.

23 MR. MEIER: So that's what we look at.

24 MR. FULVIO: Exactly.

25 MR. MEIER: Yep. I thought it was

1 2-and-a-half.

2 MR. FULVIO: 2-and-a-half, 2.4.

3 MR. MEIER: So this is a slide I kind of
4 touched on earlier. We have the base rates, again,
5 whatever they are reflected in that red curve, and
6 again, it's an inverted curve. These are high yield and
7 investment grade spreads. Investment grade spreads,
8 because there's lower risk associated of defaults and
9 downgrades, are reflected in the white, just slightly
10 under 120 basis points.

11 The high yield spreads, however, are at 380
12 basis points. You can see that it's higher than it was,
13 say, a year ago. Not necessarily compelling in terms of
14 its return, given that there's a potential for a
15 recession. Recession risk is not present in the current
16 spreads, which could create buying opportunities down
17 the road.

18 But again, the reason why, and Mike will talk
19 about this later, investment grade and high yield asset
20 classes are more attractive now is because base rates
21 are higher and credit spreads are higher and potentially
22 could go even higher if we do see a downturn in our
23 economy.

24 On the next slide, again, I think Mike and
25 Amanda did a great job talking about what we have seen

1 over time, but stocks have had a very strong year and
2 bonds have been volatile and generally weaker, more
3 recently.

4 This following slide is something you have
5 seen typically when I go through performance, but we
6 thought it was better here. The upper portion of that
7 slide, let's look at the second quarter, 2023 calendar
8 year. You can see it's all black. So equities, the
9 Russell 3000s delivered an 8.39 percent return,
10 developed XUS 2.67, and emerging markets, again, which
11 Mike touched on, a little under 1 percent for the
12 quarter.

13 Bonds have had more challenges. You can see
14 that the long duration, as yields move up, it hurts long
15 duration bonds more, down 2.3 percent. The Custom
16 Index, which is a slightly shorter duration and has a
17 minimum maturity holding of five years and beyond has
18 sold off 1.94 percent. Investment grade corporates,
19 because of the backup in yield, it's actually driven a
20 negative return there as well.

21 High yield is a little different because the
22 coupons on high yield is so much higher. It cuts the
23 duration in half. The duration on a high yield index or
24 investment program is one-half of what it is for
25 investment grade because you get more money throughout

1 the course of time with those higher coupons. Again,
2 another reason why we like high yield, and I know Mike's
3 going to talk about that in a little bit.

4 On the next slide, a quick look at the equity
5 markets. There's a lot of green in the screen. Again,
6 to echo what's been already said, equities have done
7 well over the year to date and for the last fiscal year,
8 of course. This is year to date for 2023, and there are
9 two components of your return. So as a U.S. dollar
10 investor, if you buy, say, the S&P 500, your return is
11 what it is because dollar -- you're investing dollars,
12 you're getting back dollars. It's a 15.37 percent
13 return, again, year to date for the first half of the
14 year.

15 It's a little different, so if you look at
16 Euro stocks, for example, Euro stocks, they're up 13
17 percent, which is great, but actually, because the Euros
18 appreciated relative to the dollars that sold off a
19 little bit this year, has delivered a 14 percent return.
20 And I'd say it's more dramatic when you go down and you
21 look at the Nikkei. At the bottom, under Asian Pacific,
22 that stock market is up 23.28 percent, but the return,
23 as a U.S. dollar investor, is only 10.26 percent because
24 the dollars appreciated relative to the yen. It's more
25 expensive to bring those yen back into dollars at 147

1 yen to the dollar. And those are the components that we
2 look at when we talk about these things.

3 World bond markets, on the next slide, just a
4 quick look. These are 10-year U.S. Treasury yields and
5 (indiscernible) yields around the world. You can see
6 that, year to date, as of the time of this writing, we
7 had a 34 basis point increase in yields, that means
8 prices are lower, and that's the top line. The United
9 States, just read across to the far right-hand side.

10 In Europe, it has been mixed. Sovereign
11 results have been both up and down, depending, and you
12 can see that there's an example in the United Kingdom.
13 Yields are much higher, they're up 77 basis points, as
14 they continue to tighten monetary policy to slow the
15 economy and inflation has still been a little sticky
16 there as well.

17 And in Asia, you can see that they're
18 mostly -- yields are mostly, bond prices, actually,
19 mostly lower. And if you look at Japan, you can see
20 that the yields have actually gone up 25 basis points.
21 Japan is interesting because they have got negative
22 official interest rates, negative 10 basis points. They
23 have also got something called yield curve control that
24 artificially holds down the yields of the 10-year
25 treasuries, or JBBs, for that matter. So they have

1 actually loosened some of the constraints. They were
2 targeting 10-year yields just at a half of 1 percent.
3 Now, they have loosened it up to half of 1 percent to 1
4 percent, and that's reflected here with yield moving up
5 to 66 basis points in this case.

6 I know I'm throwing a lot at you, I'm just
7 trying to build more of a foundation.

8 On the next slide is a quick look, you can see
9 where rates have turned -- performance has turned. The
10 left-hand charts are equity returns, U.S., non-U.S., and
11 emerging, all moving up in the right direction. On the
12 right-hand side, that's the Bloomberg Ag. It's actually
13 called the Barclay's Ag, here, but it's technically now
14 the Bloomberg Ag, and really just underscores the fact
15 that we saw an incredible amount of volatility over the
16 last two years, with the ag delivering a negative 16
17 percent return in 2022. It's actually come back. We
18 saw a nice rally in the early part of the year, and it's
19 giving some of that back now with an increase in yields,
20 which means lower bond prices.

21 On the next slide, just a couple of things to
22 note. Again, recent news, you may have read in the
23 paper that the U.S. Treasury debt was downgraded by
24 Fitch from AAA to AA-plus. A lot of people scratch
25 their heads at the timing of that, but I think there is

1 information value in that and concerns of the size of
2 the deficits we continue to run and some of the
3 dislocations in our political processes around the debt
4 ceiling and the issuance of debt out of Washington.

5 The other thing worth note is -- worth noting
6 is the artificial intelligence is certainly a very
7 strong topic today. There are issues about some of the
8 AI companies perhaps being slightly overvalued, Nvidia
9 has been picked on as the primary chip maker, but I do
10 actually believe artificial intelligence will have a
11 profound difference in our economy, our productivity,
12 and returns over time. But we'll see how that plays out
13 over the next five years.

14 Couple more food for thought ideas here. This
15 is actually a chart that shows some of the challenges
16 associated with the regional bank issues that we had in
17 March, April and May, and it specifically looks at the
18 Silicon Valley bank collapse. You can see that dotted
19 line towards the left.

20 This is actually cumulative loan growth for
21 U.S. banks, and it looks at -- the blue line is 2022.
22 The red line, which really hasn't moved that much and is
23 below 2 percent, is 2023. And this just underscores the
24 fact that there's a lower ability and less of a
25 willingness on the part of banks to extend credit, given

1 the backup and yields and what's going on in their
2 portfolios. So why do we care about that?

3 On the next slide, it looks at small
4 businesses. So if you look on the far left, you can see
5 that banks account for almost 70 percent of small
6 business funding, and if there's a lower ability and
7 less of a willingness to extend credit, that could hurt
8 small businesses and our economy, which are not
9 insignificant.

10 The next slide basically underscores the fact
11 that almost 50 percent of all companies reflected in
12 green, dark blue, and light blue, those are small
13 companies that have less than 500 employees. The small
14 businesses are certainly a significant impact on our
15 economy. If they're unable to get credit, those credit
16 conditions tighten, that will eventually have an impact
17 on our economic growth.

18 On the next slide, I talked, pretty much
19 consistently over the last 13 months, about monetary
20 policy acting with a lagged impact. This is just a
21 slide that looks at, how long does it take, as rates
22 move up, to ultimately filter through the economy and
23 slow things down.

24 What this slide reflects, though, is we have
25 got the lagged effects that slowed economic growth over

1 time. That's the top line. But more importantly is the
2 lower line that spikes down, that reflects lower -- the
3 lag effect of a slowing economy due to increased rate --
4 in rate hikes, in addition to tighter credit conditions
5 associated, again, with banks' unwillingness or
6 inability to continue to lend as they had previously.

7 So I know that there's been talk about a soft
8 landing. You know, Mike mentioned, and I think very,
9 very highly of Dan Haas, he is one of the people that I
10 do read. He didn't remove his expectation of percentage
11 for potential recession of 20 percent. I think it was
12 15, Mike?

13 So everyone is hoping for, including me, I'm
14 hoping for a soft landing, but I'm skeptical. I do
15 think that the number of rate hikes that we have seen,
16 the magnitude of the hikes we have seen, at some point
17 will bite the economy. It may be a mild recession, but
18 I don't think we're quite out of the woods yet. We'll
19 continue to watch and monitor that.

20 Maybe one last slide for food for thought, and
21 I'll get on to performance. This is the one thing that
22 the Fed wants to try to avoid. This is an interesting
23 slide where it looks at the rate hikes that we saw,
24 and -- sorry, not rate hikes, inflation. The 1970s and
25 early '80s, for those of us that can remember that we

1 had the two oil price shocks that caused rates,
2 inflation spike in the middle part of the 1970s, and
3 then again in the latter part of the '70s and the early
4 '80s. And you can see that overlaying that in green is
5 the recent CPI performance in terms of where we were in
6 rates. That's on the left side. And the Fed wants to
7 avoid that problem, where they're successful, they get
8 inflation down, but they don't really kill it, and then
9 it roars back to (indiscernible) the economy again.

10 So that's why I think that the Fed will remain
11 tighter for longer or keep rates higher for a longer
12 period of time.

13 UNIDENTIFIED SPEAKER: It's really amazing how
14 closely those lines track.

15 UNIDENTIFIED SPEAKER: Yeah, yeah, it is.
16 Quite scary.

17 MR. MEIER: Maybe skip ahead to Performance,
18 Wilfredo or Kate, whoever is driving, Slide 31. Sorry,
19 actually 30. There we go. Perfect.

20 So this actually looks at the three-month
21 performance for the second quarter of the calendar year
22 2023 or the fourth quarter fiscal year 2023. But you
23 can see the total teachers' plan up top includes private
24 and public assets, delivered a return in the quarter of
25 2.9 percent. More importantly, though, it's the

1 one-year return at 7.8 percent, and even more
2 importantly than that is three, five year returns at
3 6.7, 6.5 percent.

4 So as long-term investors, you really want to
5 think -- Mike, I know that's not really a long time
6 horizon for a pension plan. We should be looking at
7 10-plus years, and I suspect Mike will cover this when
8 he goes through the strategic asset allocation reviews.
9 But again, it's nice to see all green on the screen.
10 We'd like to see those numbers a little higher.

11 On the next side, a look at public market
12 returns by strategy. And you can see, again, equities
13 in green up top. And under three months, they have all
14 performed well. Bonds have suffered a little bit with
15 increase in rates, notwithstanding tighter credit
16 spreads. But I think that we have already covered those
17 issues.

18 Public market excess returns, more
19 specifically, to the -- on the next slide, to the active
20 managers, the passive managers, you can see that we have
21 outperformed, or I should say portfolios outperformed
22 the benchmarks quite significantly for three months, in
23 the U.S. Russell 3000, SUS developed and emerging
24 markets. Whereas, again, fixed income has been a little
25 more challenged in terms of just the backup in rates.

1 TIPS also have proven to be a challenging
2 holding, not withstand the fact that inflation has
3 kicked up because they tend to have a significantly
4 higher duration exposure than, say, high yield.

5 MS. HIRSH: Steve, can I ask a question?

6 MR. MEIER: Sure, please.

7 MS. HIRSH: So it looks like the excess
8 returns are up for Russell 3000, U.S. equity the past
9 three months, but every other longer duration, not so
10 much. Is that --

11 MR. MEIER: That's --

12 MS. HIRSH: -- active versus passive? Is that
13 part the --

14 MR. MEIER: That's a great question. That's a
15 great observation, Alison. That's exactly right. You
16 can see we pretty consistently can outperform in active
17 strategies outside of the states that are less efficient
18 markets --

19 THE REPORTER: Excuse me. Who just asked the
20 question?

21 MS. HIRSH: I'm sorry. Alison Hirsh.

22 MR. MEIER: But that is perhaps one of the
23 takeaways that our active managers -- and I should also
24 reflect that our U.S. equity strategies are almost 80
25 percent passive with some small element of active

1 management in that as well.

2 MR. KAZANSKY: Steve -- I'm Dave Kazansky.
3 You knew that, but.

4 So what happened with ETIs that they seem to
5 struggle especially more recently.

6 MR. MEIER: Economically, targeted
7 investments, they're mortgage related, and they're --
8 they're very subject to changes in rates. There's also
9 been some challenges in real estate, not so much
10 multifamily, which is the focus of the ETI program, but
11 just again, a backup relative to the benchmark.

12 On the next slide, a quick look at our private
13 manager returns. In that, you can see that, in the
14 one-year space, there has been a little bit of challenge
15 and private equity has been a very, very strong
16 performer consistently. If you look at 3, 5, 10 years
17 since its inception, the performance driven by Eneas
18 Kadziela, the deputy CIO and his team, have been really
19 quite extraordinary.

20 A little bit of revaluation with the equity
21 sell off on a lag basis in 2022, spilling into 2023.
22 Real estate core and non-core similarly impacted. More
23 of the challenge, I'd say, in real estate has been in
24 office space and retail. I know that John Gluszack and
25 his team have done a great job of managing that. So

1 we're slightly underweight those sectors relative to,
2 say, multifamily and self storage and things of that
3 nature. But again, a little bit of challenge in the
4 private space. For me, that just means it's probably a
5 better opportunity to continue investing in those
6 strategies because things are cheapening up a little
7 bit.

8 Infrastructure has actually proven to be quite
9 a strong inflation hedge, delivering an 8.1 percent. So
10 again, Petya Nikolova and her team have done a great job
11 there as well.

12 And opportunistic fixed income, also called
13 private credit, it's got a number of different names at
14 this point. But again, as those base rates have moved
15 up, as credit spreads and the private side have been
16 still pretty generous relative to public's tightening,
17 delivered a positive return, we think that that asset
18 class has tremendous opportunity going forward as well.

19 MR. FULVIO: And I think what's very notable
20 about that, to us, when we talk with Tina and Grace, is
21 really haven't seen, for quite some time, stress,
22 distress, and really more broadly for many, many years.
23 So it's been a very quiet cycle to this point, leading
24 up to the last year or so, and these returns, I think,
25 in a very quiet cycle, are fairly notable.

1 MR. MEIER: Yeah. And so, a lot of conviction
2 with that strategy. Most of those obligations are
3 floating. It's a different kind of pricing dynamic
4 there, but we still think that's going to be a great
5 area to invest going forward. And I suspect the team
6 that just joined will probably underscore that.

7 Maybe two more slides. Just a look at our
8 excess returns and basis points for private markets on
9 the next -- sorry, one slide before, please.

10 Obviously, a lot of green on the screen, which
11 is great. Excess returns relative to the public market
12 benchmarks have been really significant. OFI, or
13 opportunistic fixed income, private credit, has
14 struggled a little bit in the last year. That's because
15 its benchmark is a blend of high yield, which is public
16 market, and leveraged loans, and the public market for
17 high yield credit spreads have actually tightened quite
18 considerably, which is driving a little bit of that
19 underperformance relative to that benchmark. But again,
20 we still have a lot of conviction. And Tina and Grace,
21 her team, the asset class as well.

22 And with that, I'll open up to -- one last
23 look at rebalancing activities in the last slide. As
24 Mike and Amanda and I have mentioned earlier, we had a
25 pretty strong rally in equities earlier in the year, up

1 until August, and more volatility, a little bit more of
2 a sell off in fixed income, and the rebalancing reflects
3 that. So first and foremost, we raised a lot of cash.
4 We raised 540 million in cash to meet benefit payments.
5 Also (indiscernible) for the private asset commitments
6 you have already made.

7 But as a general matter, on the left, you can
8 see that we're selling equity strategies, and on the
9 right, we're reallocating and buying fixed income. We
10 have a rebalance meeting every week where we actually
11 look to the targets that you have given us. We don't
12 take liberties around the targets, we try to strictly
13 adhere to that, but taking into consideration timing and
14 transaction costs, we continually try to get back to
15 those target rates. So that's reflected here.

16 And with that, I'll open up to any questions.

17 MR. BROWN: Thank you, Steve.

18 Any questions for Steve? Well done.

19 Appreciate it.

20 And I'm Tom Brown, and just wanted to remind
21 everyone to introduce yourself because we have a new
22 stenographer. Thank you.

23 So we go to the Strategic Asset Allocation
24 Discussion. Mike, Steve?

25 MR. MEIER: Great. We're going to play a

1 little musical chairs.

2 So the question I asked, when Michael brought
3 his colleagues in and we sat down, we had the privilege
4 of working with these gentlemen earlier, I asked the
5 question to the team, did the average IQ in the room
6 just go up or down? And I think you'll find that it
7 probably went up. So it's been a pleasure.

8 MR. FULVIO: Yes. Steve started to say it,
9 but we have had a good summer of very collaborative
10 projects, in review of the Strategic Asset Allocation.
11 I know we chatted at the board meeting, the investment
12 meeting back in June, about the process and the work we
13 have be doing to review Strategic Asset Allocation, not
14 only in the context of our changes in capital market
15 assumptions, but also the, I'll say the constraints of
16 the system that help inform how we construct the
17 portfolio.

18 And in working closely with Steve's team, I
19 want to also introduce my colleagues, Roy Appleman and
20 Ben Cranes (phonetic). Roy leads -- he's our head of
21 research from the multi-asset solutions team, and Ben is
22 a member of his team. They have been very involved in
23 the process, as we review the portfolio asset
24 allocation. So you'll be hearing definitely from them.

25 And maybe what we'll do is I'll share my

1 screen so folks can follow along.

2 So today, what we wanted to do really is
3 introduce everyone to the outcomes of the discussions we
4 have had to date around the portfolio's asset
5 allocation, remind you of what those constraints were
6 that I referenced earlier, and help you understand how
7 we're thinking about tying together our forward-looking
8 views to potential changes in the portfolio strategic
9 targets over time.

10 So we revisit this in a formal way for the IPS
11 every three years. I would say we're always thinking
12 about what's going on in markets and asking ourselves,
13 amongst the advisory team, but also within Steve's team
14 and the team at BAM, is there anything that we should be
15 doing or thinking about that would require changing the
16 portfolio? Are we hearing things in the marketplace
17 that would prompt some change?

18 And here, we're taking a very long-term view.
19 So while there's a lot that was always going on, we're
20 about changes in the shape of yield curve, those changes
21 which could be notable don't necessarily drive changes
22 to the long-term strategic targets.

23 So here, what we're talking about is being
24 very deliberate in setting a long-term strategy. And
25 the fund itself, as you know, at a billion dollars in

1 assets, is a very large fund. And so we're very mindful
2 of what changes can actually be implemented in any given
3 period of time. And so that also helps inform how we're
4 implementing any changes to the long-term strategic
5 targets.

6 So we'll weave in comments about our views
7 forward, and that came up in the comments that Steve
8 made a little bit earlier about the markets and where we
9 see the markets today, but as we think about the
10 constraints and what's really meaningfully different
11 since we last went through this review three or so years
12 ago, I think there's two things that come to mind for
13 me, and others can share their thoughts.

14 We're at a point where the risk-free rate, as
15 Steve noted earlier, the shape of the yield curve, the
16 amount you can earn by investing in cash today is
17 notably higher than it has been for, really, the last
18 10, 20 years. And so what that does is it, in our
19 minds, shifts sort of the opportunity set for the
20 ability to generate return, which would imply that,
21 today, expected returns are generally higher than they
22 have been. And that shows up in how we're projecting
23 the forward-looking returns for a number of asset
24 classes, all asset classes as well as for the pension.

25 The other thing that's notably different, and

1 we talked about this earlier this year, is the shift in
2 the rules set by New York State around the basket class.
3 So we have talked in the past about a 25 percent limit
4 to, generally speaking, illiquid assets that are
5 assigned the identifier that they are basket assets.
6 And that has helped, I would say, guide strategy in the
7 past, such that we have allocated two basket assets up
8 to around that 24, 25 percent limit.

9 When New York State changed that rule and
10 expanded the flexibility around the basket, moved that
11 limit from 25-to-35 percent, that was, I would say, a
12 key catalyst for taking a step back and thinking about
13 where the system could benefit from deploying a portion
14 of that budget to earn incremental excess returns or
15 incremental returns for the system. And so that was a
16 key part of the portfolio construction work we did in
17 looking at where could or where should we think about
18 deploying the next dollar of assets, to take advantage
19 of that flexibility and earn that incremental return.

20 So what you see here in the material, thus
21 far, is really just intended to set a baseline. So we
22 have current portfolio assets, Steve noted, just shy of
23 about a hundred billion on June 30th, with portfolio
24 targets -- I'm going to paint some broad brush strokes
25 here, but about 46 percent of the pension is allocated

1 to public equities, another 20 percent allocated to
2 alternative assets, such as private equity, private real
3 estate, infrastructure, and private debt, and then
4 another 33 percent allocated to public fixed income.

5 I would say, if you look over time at the
6 strategic targets of the systems, they have moved around
7 generally in the same neighborhood. About 10-or-15
8 years ago, you would have seen definitely a lower
9 allocation to some of those illiquid alternatives. The
10 allocations and the commitments made to help those parts
11 of the investment program mature over time have brought
12 you to where you are today.

13 And what we have been thoughtful in thinking
14 about in the past was really how much active -- how much
15 risk you want to deploy between public equities and
16 public fixed income. Today, what we're talking about
17 is, and when we start talking about different
18 alternative portfolios, is how are we going to consider
19 using up some of that basket capacity, deploying that
20 additional capital within alternative assets. That's
21 possibly the biggest change we're looking at in terms of
22 portfolio exposure. And where are we sourcing those
23 incremental allocations from? And some of that comes
24 from public equities, some of that also comes from
25 publicly fixed income.

1 The other dynamic we're going to talk about,
2 something that's a little bit different, is really what
3 we see as a potentially additional source of
4 diversification that we'd like to consider introducing
5 to the asset allocation. And so those strategies, that
6 source of diversification, we'll refer to them as CTAs,
7 or trend following strategies, which actually are
8 comprised of multiple asset classes in terms of how they
9 could be constructed and designed. But we think that
10 that actually incorporates something that's a little bit
11 different than the diversification you would get by
12 introducing, for example, interest rate exposure and
13 fixed income to the equity portfolio.

14 So I'll pause there and see if there's any
15 questions before we push ahead into looking at some of
16 the different portfolio alternatives we developed with
17 BAM.

18 MR. BROWN: Any questions for Mike?

19 MR. FULVIO: Okay. I'm going to hold this
20 slide, Slide Number 6, which includes a lot of numbers.
21 So what I'll try to do is just, in being mindful of
22 that, reference only some of the numbers on this page.

23 I noted earlier the current asset allocation.
24 You can see that in the first column of numbers. Today,
25 at a high level, what we're expecting is about a 7.1

1 percent expected compound return current portfolio, with
2 an expected volatility of about 10.7 percent.

3 The portfolios we're looking at, in all of the
4 alternatives here, are expected to increase that level
5 of compound return, as we look forward. That's
6 something that we think we can achieve by making any of
7 the changes on this page. With two of the three
8 portfolio alternatives on this page, we're also seeing a
9 modest increase in the expected volatility of the
10 portfolio.

11 And what I would note, is in our conversations
12 with BAM, and amongst ourselves, we think that those
13 portfolios would provide you, even though there's a
14 higher level expected volatility, in return, you're
15 compensated for taking those risks. That's not to say
16 that we're recommending we would go all the way out to
17 portfolio to on the risk spectrum, but these are
18 intended to show you sort of the extremes that we would
19 think about.

20 And one of the other things we're obviously
21 very mindful of is, when we're looking at these
22 portfolios, we do still have a basket constraint, how
23 much of that basket constraint or budget are we
24 allocating to basket assets?

25 So I noted today are about 24, 25 percent.

1 What we're looking at in terms of these different
2 portfolios is looking to top that out at about 31
3 percent, sort of on the extreme, and recognizing that,
4 if we saw a drawdown in public markets, it's very
5 possible to get right up again to that 35 percent, or
6 slightly surpass it, because, as you know, and as we
7 have lived through very recently in the last couple of
8 years, is when public markets draw down, we're not
9 seeing the same draw down on private market assets,
10 based on how they're being (indiscernible) markets. So
11 that's something we're very cognizant of.

12 Portfolio 1 is the one that I wanted to focus
13 on the most today. This is one that, in our discussions
14 with BAM, we think is an intuitive, an attractive
15 portfolio to consider and for the board to think about.
16 And sort of the key differences there, what I'll draw
17 your attention to is, within the alternative assets
18 portfolio, and that's where we're seeing the most change
19 in terms of potential allocation changes.

20 Private equity, you can see there an increase
21 of about 3 percent contemplated in that portfolio, a 1
22 percent incremental allocation to each of private real
23 estate, private infrastructure, and opportunistic fixed
24 income.

25 And then you also see below that, again, that

1 additional asset category I cited earlier, CTAs,
2 commodity trading advisors, which Roy is going to talk a
3 little bit more about and help provide the board with
4 more context on what those strategies really are, why we
5 think they're attractive, and how they help to diversify
6 exposure in the portfolio.

7 But what you see when you look at that
8 portfolio, in general, is an increase in expected
9 returns, as I said, you see that with all of these, but
10 an increase in the expected compound return to about
11 7-and-a-quarter, 7.3 percent, a modest increase in the
12 expected volatility of the portfolio, but also a very, I
13 would say a slightly more efficient portfolio,
14 efficiency being measured in what we call sharp ratio.
15 So the return divided by -- the return in excess of cash
16 divided by volatility.

17 I noted, if you're going to increase one
18 thing, you have to decrease something else. So with the
19 increase in alternative assets there, and again, using
20 up some of that basket, bringing the basket allocation
21 to about 31 percent, you're taking down allocations to
22 public fixed income as well as public equity. So we're
23 incrementally adding expected volatility of the
24 portfolio, and actually taking down public equity and
25 public fixed income helps to moderate the amount of

1 incremental risk you're allocating in the portfolio
2 because public equities continue to be one of the more
3 volatile asset classes or modeling. So public equities
4 in Portfolio 1 would go down to about 41 percent, public
5 fixed income down to about 27, 28 percent.

6 Within public fixed income, I guess more
7 notably, and Steve made some comments about this
8 earlier, is we see increased value in allocating
9 slightly away from treasuries and incrementally more
10 into credit, corporate credit, both investment grade and
11 high yield, getting value for, you know, for the
12 additional risk you take in credit spreads today.

13 As we look forward, we continue to fixed
14 income as a key diversifier in the portfolio. So we're
15 not in any way considering that we would be replacing
16 that exposure in the portfolio. It's the best way to
17 diversify the equity risk, which really overwhelms the
18 proportion of risk in the portfolio. And investment --
19 excuse me, investment grade fixed income still, in many
20 respects, is the key driver of that diversification.

21 So I'll pause there and see if there's any
22 comments or questions, and then I'll make a couple of
23 brief comments about why we're showing Portfolios 2 and
24 3 as well.

25 MR. MEIER: Mike, can I ask just to comment on

1 the cash holding of just half of 1 percent, which really
2 reflects reality in terms of how we manage the
3 portfolio? So typically, we haven't had an allocation
4 in cash. We have always had cash holdings in the
5 portfolio. We typically try to manage that around
6 one-half of 1 percent.

7 So a lot of times, if you look at a cash
8 allocation in a portfolio like this, it's 4 or 5
9 percent. That implies to me that it's more tactical and
10 it's going somewhere else, and we're not making those
11 active decisions and actively managing the allocation.
12 But half of 1 percent really just reflects the fact that
13 we always need some cash on hand every month to meet
14 benefit payments and to also meet the capital calls for
15 the private asset commitments.

16 The other point I think, Mike, is the
17 combination of the core/non-core real estate into one
18 private real estate allocation. It used to be broken
19 out, but we're advocating, if we combine those, we may
20 have a little bit more flexibility to look for
21 opportunities across core/non-core.

22 MR. FULVIO: Yep, I would say it allows the
23 real estate team at BAM to be more flexible and follow
24 the opportunities, so when there's an expectation that
25 you'll be compensated for opportunistic real estate

1 relative to core, making commitments and finding
2 (indiscernible) focused in that part of the market, we
3 don't want to be as tied to a specific target.

4 MR. MEIER: I'd say the last comment I would
5 ask, respectfully, Ed Berman has been really a wonderful
6 partner of mine and the team's.

7 Ed, anything I missed here?

8 MR. BERMAN: No, I would say that it has been
9 a wonderful experience (indiscernible).

10 THE REPORTER: Excuse me, who was speaking?

11 MR. MEIER: Give Ben and Roy a shout out that
12 we have actually invited both of them to come back and
13 actually just talk to us.

14 MR. BROWN: The stenographer -- sorry.

15 MR. BERMAN: Ed Berman, Bureau of Asset
16 Management.

17 THE REPORTER: Who was that speaking?

18 UNIDENTIFIED SPEAKER: It's Ed Berman, the
19 chief risk Officer for the Bureau of Asset Management.

20 THE REPORTER: Thank you.

21 MR. KAZANSKY: So yeah, Mike, before you go
22 on, could you guys go into a little bit of your thought
23 process as to in the public, in public equity, why the
24 big reduction in markets?

25 MR. FULVIO: Yep, absolutely. So the change

1 in allocations that you see here, what that really
2 reflects is moving to align the overall public equity
3 portfolio to be more in line with that of the global
4 market cap, as it's broken down today. So if you looked
5 at the, for example, MSCI ACWI Index, the total global
6 public equity market, that is roughly 20 percent
7 emerging markets today. And what we're talking about is
8 taking the current allocation to EM and bringing it more
9 in line with that 20 percent. It's a, I would say, a
10 reflection that we think that the current global market
11 capitalization is largely reflective of where we should
12 expect global growth, looking forward.

13 And anything else you'd elaborate on, Roy?

14 MR. APPLEMAN: Yeah, I guess maybe just to add
15 to that a little bit, we do think there is a lot of
16 efficiency in markets.

17 MR. FULVIO: I'm sorry, that's Roy Appleman
18 now.

19 MR. APPLEMAN: Thank you. And so I think,
20 generally speaking, we think there is a lot of
21 efficiency in markets and that's reflected in market
22 prices and essentially the capitalization of the
23 indices, And this is a reflection of the fact that we
24 think that the opportunity set in emerging markets is
25 more in line with what you would consider to be the

1 opportunity sets on comparable risk in equity
2 investments and less of an excess opportunity than
3 before.

4 MR. KAZANSKY: Great, thank you.

5 MR. FULVIO: I briefly referenced Portfolios 2
6 and 3. I just want to make a couple comments about what
7 those portfolios represent in our minds, and then I'll
8 turn it over to Roy to speak more about CTAs or trend
9 following strategies and the value we think they bring.

10 But actually, Portfolio 2 is largely
11 representative of Portfolio 1's changes in broad
12 allocations without that allocation to CTAs or trend
13 following strategies. And so the difference you see in
14 expected risk and return there are being largely driven
15 by the incremental amount of diversification you get by
16 allocating CTAs.

17 So CTAs are expected to provide a positive
18 absolute return to the portfolio, but I would say, you
19 know, well -- not well, but below that of public
20 equities and public, excuse me, alternative assets. And
21 so if you were to, for example, adopt Portfolio 1
22 without the CTAs, Portfolio 2 is what you might expect
23 in terms of a broad risk in return scenario.

24 And really what Portfolio 3 illustrates is a
25 portfolio that has a number of changes. At the end of

1 the day, if you allocated, for example, to Portfolio 3,
2 you would include the CTAs, but you see sort of the
3 incremental, or the lower expected return and lower
4 expected volatility of not allocating quite as much to
5 alternative assets.

6 I think, in our minds, Portfolio 2 is
7 interesting, but we like the diversification you get and
8 the risk mitigation you get by introducing CTAs, which
9 is why, from our perspective, Portfolio 1 seems to be a
10 little bit more attractive on a risk adjusted basis,
11 from an efficiency basis.

12 So maybe, with that, I'll turn it over to you,
13 Roy, to speak at a high level -- there's a lot of
14 information here on trend strategies, and we're not
15 going to go slide by slide, but Roy we will have some
16 comments on that.

17 MR. APPLEMAN: Absolutely. Thank you very
18 much, Michael.

19 So if I can turn your attention to Page 9,
20 I'll keep my initial comments brief, and if there are
21 any questions, of course, happy to take them.

22 So first of all, a little bit about what trend
23 following strategies are. In many ways, the truth is in
24 the name. What trend following strategies are
25 strategies that aim to identify and follow absolute and

1 relative trends that are emerging in markets. And the
2 strategies are traded in public markets, across asset
3 classes. The typical strategy would trade 50 or more
4 different tribes of tradables around equities,
5 commodities, effects, and interest rates. And the
6 strategies will trade both absolute and relative trend,
7 depending on the actual implementation.

8 And they have been around for quite some time.
9 So even though the strategies might be a bit new to
10 teachers, they have been around for over 40 years and do
11 feature in portfolios of other public pension plans in
12 this nation.

13 In terms of the characteristics of the
14 strategies, as Michael mentions, the expected returns
15 are lower than in that of equities and other
16 alternatives. Although, if you do look at the actual
17 back-tested information on Page 10, you would see
18 comparable back-tested returns to that of equities.
19 However, our view is that, on a go-forward basis, that
20 is not likely to repeat.

21 One might ask, if the expected returns are
22 lower, why are we adding them to the portfolio? We're
23 recommending adding them to the portfolio for a few
24 reasons.

25 The first is that, if we look at the current

1 environment, even though rates are higher and bonds
2 remain attractive, there is an extra risk that has
3 become a little bit more pertinent in portfolios, going
4 forward, which is the fact that, going forward, just
5 because of where inflation is, where it might go, there
6 is a bit of a higher risk that the correlation between
7 equities and bonds, it may not be as reliable as it has
8 been in the past.

9 Trend following strategies do well when the
10 macroeconomic environment begins to trend in a specific
11 way. So if we do get a repeat of what we saw in 2022,
12 where we do get a bit more inflationary pressures that
13 react over time, trend following strategies would do --
14 would benefit the portfolios.

15 So essentially, this is another tool in the
16 toolbox to help smoothen the ride a little bit on a
17 go-forward basis and is part of what's driving that
18 increased in sharp ratio expectation for Portfolio 1
19 relative to what we currently hold today.

20 The other reason we like in trend following
21 strategies as a recommendation is the fact that their
22 correlation characteristic to the portfolio can be quite
23 negative, and they do that with a positive expected
24 return overall. So essentially, in some ways, that's
25 really a bit of a very attractive outcome. Something

1 that has a lower negative correlation to your portfolio,
2 but positive expected return is not easy to find and is
3 not -- and is very beneficial to the overall risk
4 adjusted returns of the portfolios.

5 So even at a relatively modest allocation of 2
6 percent, it is starting to have a little bit of an
7 impact. Although, in all fairness, the impact is more
8 incremental than it is absolute because, you know, 2
9 percent of the portfolio is just 2 percent.

10 So from our perspective, this is a strategy
11 that is a little bit more defensive, is a little bit
12 more better geared towards more pronounced or prolonged
13 slowdowns in the economy, and is one that helps add
14 something additional to the equity and bond centric
15 nature of the existing portfolio.

16 So of course, happy to take any questions and
17 discuss further.

18 MR. BROWN: Thank you, Roy.

19 Any questions for Roy?

20 MR. BERGE: Yes, I have a number of questions
21 about -- oh, sorry, Bryan Berge. I'm from the Mayor's
22 Office of Pensions and Investments. I'm representing
23 Mayor Eric Adams as trustee.

24 So I had a number of questions, some of which
25 are for BAM and I think some of which are for Rocaton,

1 about CTAs. So I guess I'll start with the Rocaton
2 questions.

3 So CTAs are new for us, as you said, and I
4 sort of struggle to kind of understand them
5 conceptually. So the first question I have, if you're
6 getting 2 percent, what are they substituting for, so to
7 speak, in the portfolio? What other asset classes would
8 you draw down to make the allocation to the 2 percent to
9 CTAs, and what reason for that substitution would you --

10 MR. APPLEMAN: So absolutely. I mean, so we
11 think about the portfolio as a whole, but if you had to
12 choose one, you could say that the CTAs are probably
13 augmenting your bond allocation. So the high quality
14 bond allocation, which is a very good diversifier in the
15 portfolio, and we still have a (indiscernible), but if
16 you look at what the bond allocation largely helps in,
17 it's environments where both growth and inflation slowed
18 down. Essentially, more of a traditional recession in
19 line of what we have had a few times over the last 25
20 years.

21 Where the trend following strategies help a
22 little bit more is when the change in direction in the
23 macro environment is a little different, essentially one
24 where inflation also becomes a participant of why you
25 get a slow down in the economy. So it's less linked to

1 just a specific macro outcome and is one that is a
2 little bit more focused on reacting to conditions as
3 they actually materialize.

4 MR. BERGE: And is the behavior of a CTA
5 strategy dependent on the nature of the trend that is
6 affecting the macroeconomic environment? I mean, it
7 seems sort of mutable in a way that I don't think of
8 other asset classes as being so mutable.

9 MR. APPLEMAN: That's a very, very good
10 question. I would say that it's less dependent on the
11 actual nature of the trend because the strategies, if
12 they're well constructed, will follow the different
13 types of trends that materialize. But where there is
14 clearly a dependence is the speed in which directions
15 change.

16 So if you compare two recent environments, and
17 you can see that on Page 11, perhaps, you can see that,
18 in some environment, trend followings will do really,
19 really well, while in others, less so. So in
20 environments such as 2008 or 2020/22, when the emerging
21 trends tended to be multi-month trends because these
22 were major macroeconomic driven crises, the trend
23 following strategies did very well relative to equities
24 and bonds.

25 But in 2020, when the reaction was very

1 short-term driven, the emergence of the pandemic, trend
2 following strategies tended to have more mixed results.
3 So it's that speed of market reaction that matters more
4 than the actual type of trend that's emerging.

5 MR. BERGE: Okay. And the third question I
6 have for Rocaton on this is, is there a concern in this
7 asset class about a sort of internal style drift?
8 Because it seems to me there's not always going to be
9 some clear transcendent objective reality as to what the
10 macroeconomic trends are. You know, so I would --
11 again, I guess this kind of gets back to the seeming
12 mutability of the asset class, but is there a concern
13 that, once you select a manager, they are changing your
14 views about what trends are applicable in a way that
15 isn't consistent with your original vision of their
16 selection?

17 MR. APPLEMAN: So that's a great question as
18 well. Style drift is always a concern with any sort of
19 a manager selection process, and part of the manager
20 selection team is to continue to monitor the integrity
21 of the stated investment process versus the actual
22 investment process.

23 But what I would highlight here is that, with
24 trend following strategies, what you try and do is not
25 choose a strategy that tries to only depend on specific

1 trends, but rather choose this manager based on a
2 process that identifies emerging trends well and has
3 good risk management practices in some ways irrespective
4 of what the trend is. And I think that's part of the
5 due diligence that has to happen when selecting this
6 specific strategy.

7 MR. FULVIO: I would just add on to that, and
8 I know Ed has a lot of experience with these types of
9 strategies too, so I'd welcome your input.

10 It speaks to the importance around, in
11 addition to those factors, thinking about how that
12 manager is improving, researching, and updating their
13 process to ensure that they're not missing, you know,
14 what are paradigm shifts in the marketplace over time.

15 And so the other thing that I think I should
16 emphasize is, when we're talking about CTAs and trend
17 following, and there are different types of approaches,
18 different types of firms who do this or deploy this type
19 of strategy, we're talking very much about what many in
20 the industry refer to as systematic trend following,
21 where it's very much about this risk control process, as
22 Roy noted, and less about someone just making an active
23 decision and not following sort of a rules-based
24 approach.

25 MR. BERGE: Okay. So I appreciate that

1 reference to due diligence because that provides an
2 elegant pivot for my questions to BAM.

3 How do -- well, I guess maybe for both of you.

4 How do we envision this working from a due
5 diligence perspective? We obviously don't have a CTA
6 specialty consultant. Would this be something that
7 falls within the purview of the general consultant?
8 Would we anticipate getting a CTA specialty consultant?

9 MR. MEIER: It would probably go through a
10 procurement process. We would hire someone that's
11 expert managing these types of strategies. We actually
12 have someone on our team, Ed Berman, who actually used
13 to oversee these and implement these types of strategies
14 in his prior life, but we would actually outsource it,
15 and we'd go through a procurement process.

16 MS. HIRSH: But we would due diligence. We
17 would need some internal capacity to due diligence --

18 MR. MEIER: Oh, of course.

19 MS. HIRSH: -- of how we hire --

20 MR. MEIER: Yes, I'm sorry. I misunderstood
21 the question. We have expertise. I have some
22 experience and familiarity with CTAs. Ed's is much more
23 a deep, I'd say.

24 MR. BERMAN: I'm close to the microphone. Ed
25 Berman. Thank you.

1 So just to put this in the context, I do have
2 experience with CTAs as part of working at JPMorgan
3 Asset Management with a (indiscernible) asset solution,
4 the capacity and investment director. So I have about
5 seven years of experience overseeing systematic
6 strategies. CTA was part of it.

7 I participated in launch of several products
8 and also worked with the board's regulators in
9 Luxembourg, Ireland, and also in the U.S.

10 I think there are some of your questions, it
11 is a systematic strategy, and there are a lot of choices
12 go into running the strategy. So it goes through the
13 usual manager selection process.

14 You think about investing and equities, the
15 numerous strategists across the spectrum of equity
16 investment, part of our manager selection process is to
17 find a strategy that fits best within our control
18 construction. I would say the advantage of CTA, it
19 operates within a preselected universe of markets. So
20 as Roy mentioned, it relies on macro trends, but the
21 implementation relies on markets.

22 So it can be a choice of products within
23 equities, effects, interest rates, commodities, and as
24 such, trends can capture a broad range of outcomes. For
25 example, if equity markets go into a protracted bear

1 market, trend following will pick up this sell off and
2 will provide an offset. If the equity markets move
3 higher, CTA again can catch this trend and participate
4 in the upside.

5 In case of an inflation environment, it will
6 do the same, focusing on the bond futures, CTA may
7 provide the offset for inflation or deflation
8 environment. The same applies to effects of commodities
9 markets, and of course, here, we're mindful of existing
10 restriction on energy. There is no need to use energy
11 futures or energy products. There's a broad range of
12 commodities other than energy.

13 So clearly, the implementation is mindful of
14 the broader goals of the system, and it definitely can
15 be implemented within this restriction.

16 MR. BERGE: Yeah, so thank you for that. It
17 seemed like that was more about the manager selection,
18 and maybe I phrased my question badly.

19 I was trying to ask specifically, do we
20 anticipate hiring a specialty consultant in the way that
21 we have specialty consultants for certain of our other
22 asset classes? Will we be --

23 MR. BERMAN: Most likely not. I think the key
24 to the trend following strategy, as Roy mentioned, for
25 avail of time. It's a well known process. And much

1 like, I will draw a parallel with public equities.
2 Public equities exist in the hedge fund (indiscernible),
3 they exist in the mutual fund, or just estimate the way
4 we use them.

5 The difference is how you use the strategy,
6 level of risk you take, how systematic they are. So you
7 can think about trend following strategy as a hedge fund
8 strategy, which they do exist, that will go to specialty
9 consultant. I don't believe there's any need for that.
10 It's not the objective nor these need to pay the level
11 of fees commanded by hedge funds.

12 The (indiscernible) implementation within
13 public markets, within public managers, I would imagine
14 it's just a standard public manager search within the
15 existing infrastructure you currently have within --

16 MR. BERGE: Okay.

17 MR. BERMAN: -- in all the public equity fixed
18 income.

19 MR. FULVIO: We have a hedge fund right now
20 that we oversee for police and fire, similar type of
21 strategy. Again, different, this is not a hedge fund,
22 but it's someone --

23 MR. BERGE: In that case, we do run it through
24 a special consultant, but it sounds like --

25 UNIDENTIFIED SPEAKER: That's not the case.

1 MR. BERGE: -- included at the moment, that's
2 not necessarily the thinking right now that there would
3 be a need for a specialty consultant.

4 So, Alison, I don't want to cut you off,
5 sorry.

6 MS. HIRSH: Are you done with your question?

7 MR. BERGE: I just can't stop myself.

8 MS. HIRSH: I'll wait as patiently as you need
9 me to.

10 MR. BERGE: My patience is -- everyone else's
11 patience is (indiscernible).

12 The second question, you mentioned manager
13 search, manager selection. Is there a view as to
14 whether this would be a PPB governed situation or a
15 non-PPB governed situation?

16 MR. FULVIO: Just my 2 cents on that is the
17 PPB process is a little bit more challenging when you're
18 looking for customization and constructing a portfolio
19 that is specifically structured to the constraints and
20 objectives of TRS, like we were talking about. So the
21 exclusion, for example, in commodity futures, the PPB
22 approach lends itself well when there's a very set track
23 record that meets sort of the objectives and constraints
24 that you lay out.

25 Because this would be, I think, a little bit

1 more bespoke to how teachers would prefer to implement,
2 it's a little bit more challenging to do it that way,
3 and so we haven't really stepped through ultimately how
4 we could go through the procurement process --

5 MR. MEIER: Or the construction and the
6 implementation.

7 MR. FULVIO: Yeah, yeah.

8 MR. BERGE: Well, I appreciate that that's not
9 necessarily a question for Rocaton, but it's a concern
10 that I would have, given difficulty -- because, you
11 know, it's not about preference, necessarily, it's about
12 does it have to go through it or not. But that's just a
13 concern that I would put in people's minds, and maybe we
14 should continue that discussion right now because it
15 seems pretty (indiscernible).

16 MS. HIRSH: I have just one comment to follow
17 up on that question.

18 I do think if we were to introduce CTAs as a
19 new asset class, basically, there is an entire
20 conversation about implementation that we have not had
21 yet because we don't have around what staffing would
22 need to look like in BAM, to execute if there needs to
23 be any different, does it make sense to a consultant?

24 I don't know whether it goes against the
25 basket or not, and I think, and what the procurement

1 procedures are, I feel like there is legal advice that
2 needs to come into play as well. So I just want that
3 out there because I think a lot of those questions, we
4 just -- I don't know the answers to and it doesn't feel
5 like we do yet.

6 MR. FULVIO: Some of them, we're still working
7 through, and I should have noted earlier, we took a more
8 conservative approach with proxying the impact to the
9 basket, and in this case, counted the full allocation
10 against the basket budget.

11 MS. HIRSH: Because I know that there have
12 been some legal questions.

13 And then my other question is just that, and
14 Ed, you have mentioned it, so it helped me lead into
15 this, but I know very little about investing, obviously,
16 or I have learned, but anytime the CTAs have come up, it
17 has always been within the context of the hedge fund,
18 and this board has very clearly not wanted to invest in
19 hedge funds.

20 And so how is this not a hedge fund approach
21 in a different -- with a different wrap?

22 MR. FULVIO: Do you want to start?

23 MR. BERMAN: Simple answer, it just
24 (indiscernible) --

25 (Crosstalk.)

1 MR. BERMAN: Simple answer to the question.
2 It definitely could be. And there fair number of hedge
3 funds that utilizes this investment process. There's
4 also a broad range of asset managers. It just
5 mainstream asset managers, you can name JPMorgan, just
6 my personal experience, Morgan Stanley, and I believe
7 Goldman Sachs has strategies, within public markets
8 running mutual funds, mostly in Europe, SMAs
9 institutional investors. So it's a well-established
10 strategy.

11 I'd have to say it's not a detailed strategy,
12 even though there are some retail products in this
13 field, but they're not very widespread. It's very much
14 an institutional product. Maybe that's one of the
15 reasons why we haven't heard as much about in this.

16 MS. HIRSH: And you mentioned --

17 MR. APPLEMAN: If I can just add to that a
18 little bit, just a few things. I mean, in some ways,
19 hedge funds are a fee structure, not an asset class. So
20 first of all, the fee levels are completely different
21 these days.

22 The second thing I would note is the liquidity
23 profile is very different. These are traded in liquid
24 markets, and both the liquidity, in terms of what's
25 traded, as well as the liquidity the plan would have is

1 a different profile potentially than hedge funds.

2 And then the final thing that I would just
3 add, trend following, as we noted, has been around for
4 40 years and back-tested over a hundred. So if there's
5 something here that's more persistent about markets, as
6 opposed to the more skill-based component reliance on
7 hedge funds, so there is -- so those are the three
8 things that I think primarily differentiated from hedge
9 funds and make it quite --

10 MS. HIRSH: Can I -- that's very helpful. Can
11 I ask two follow-up questions on that? Because that led
12 me to another question.

13 So the fee structure is more in line with how
14 we look at fees in the public markets, as opposed to the
15 private equity, or in the other boards, the 2 and 20,
16 that kind of thing, so it's a much smaller fee
17 structure. Great.

18 And then my other question is, you mentioned
19 some institutional strategy, do we know of other pension
20 funds that utilize this strategy in the U.S.?

21 MR. BERMAN: Do you -- I don't know if you
22 want to -- it's definitely reasonably prevalent,
23 particularly in the West Coast, in public pension plans.
24 I'm not even talking about non-public, but within the
25 public plans as well. I mean, specific names, I don't

1 know if we want to mention, but --

2 MS. HIRSH: I mean they're public, right?

3 Asset --

4 MR. FULVIO: CalPERS has these strategies.

5 MS. HIRSH: But CalPERS has not -- their hedge
6 fund, they have a CTA strategy separate and apart from a
7 hedge fund strategy?

8 MR. FULVIO: My recollection is what they more
9 broadly call liquid, liquid --

10 MR. APPLEMAN: They are plans, plans that tend
11 to have risk mitigating baskets have CTAs within those
12 risk mitigating tools of their --

13 MS. HIRSH: Separate and apart from hedge
14 funds?

15 MR. APPLEMAN: Separate and apart from hedge
16 funds.

17 MS. HIRSH: Thank you.

18 MR. KAZANSKY: I just want to kind of pile on
19 with what Alison and Bryan were mentioning earlier,
20 which is, and I know the only thing more challenging
21 than figuring out where the markets are going is
22 figuring out where the trustees are, but do you see a
23 scenario by which we decide that we want to include
24 CTAs, but the implementation of that meets some kind of
25 roadblock amongst us, and what would we do if we have

1 agreed to a strategic asset allocation and voted on it,
2 let's say, and then implementing that CTA bucket doesn't
3 work for one reason or another, what would our strategy
4 be beyond that?

5 I guess the bigger question, really, is, do
6 you see any kind of circumstance where implementing it
7 would just be impossible?

8 MR. MEIER: I don't, at this point.

9 MR. BERMAN: I would say, just to mention,
10 just one thing where we may have potential issue is
11 around the basket clause. So just as Alison mentioned
12 before, we need to do some legal work to understand if
13 this product is subject to basket clause or not.

14 I believe there were several studies, New York
15 Commons did the studies years back on the interpretation
16 of the basket clause, and I think legal conclusions were
17 quite different. So this is dispersion.

18 I believe our interpretation was fairly
19 conservative at the time, just to be on the safe side.
20 We may revisit this question going forward.

21 So one potential roadblock I can see in the
22 future, if we decide to scale it to more meaningful
23 level, just as Roy mentioned, at 2 percent, it's more of
24 a test case and just to get everybody comfortable with
25 it, to allow for the manager selection, but it's

1 probably not enough to have a really meaningful
2 difference for (indiscernible) level, so we need to
3 scale it up.

4 That said, we do have a fairly significant
5 amount of breathing space in the basket clause right
6 now, and fundamentally, the products ultimately
7 represent U.S. equities, U.S. bonds. So I'm not a
8 lawyer, I don't really want to give any promises, but I
9 think good case to be made that the legal interpretation
10 can be (indiscernible).

11 MR. KAZANSKY: And any other concerns around
12 implementation, whether it's the cost of hiring someone
13 to oversee this or any complications within it that
14 might --

15 MR. FULVIO: I think there were questions
16 around procurement process, something that we should
17 have a couple more conversations around, just to
18 understand what would be required and what the hurdles
19 would be. So I don't have a straight answer because I
20 think that those are things that we should talk about
21 before the board approves a final allocation.

22 MR. KAZANSKY: Right. Thank you.

23 MR. BERMAN: Just one final thing I wanted to
24 mention just to follow up on Roy's point before, this
25 product are probably as liquid as it gets, so it's never

1 a question of getting into the position deploying
2 capital or terminating. So liquidity, access to markets
3 is not a concern for this type of strategy, so it's
4 entirely transparent.

5 MR. BERGE: And so one final question, I
6 promise. Bryan Berge, again. You're probably tired of
7 hearing from me, actually.

8 I think this is implicit in what you're
9 saying, but the structure is not like an LPGP structure
10 as it is in many of alternative assets, it's more akin
11 to a conventional manager contract?

12 MR. BERMAN: It is, actually.

13 MR. FULVIO: A conventional manager contract,
14 and I believe the --

15 (Crosstalk.)

16 MR. FULVIO: A separate account holding these
17 exposures.

18 MR. BERMAN: The SMA -- similar to public
19 equity, fixed income in a sense, with a procurement
20 process.

21 MR. BERGE: Thank you very much.

22 MR. FULVIO: So I'm going to just conclude by
23 saying today was what we anticipated would be the first
24 of several discussions, and clearly, as you think
25 through this and questions come up, please let us and

1 BAM know how we can help explain more, answer questions,
2 and continue down the road.

3 MR. BROWN: Thank you, Michael.

4 Any more questions for the team?

5 MR. MEIER: Just making comments. Steve
6 Meier, for the record.

7 We're going through the Strategic Asset
8 Allocation review with the hope that we can wrap this up
9 by the end of October, November. We don't want the tail
10 to wag the dog. Obviously, the trustees have to get
11 comfortable and ultimately make a determination, but
12 given the fact that we're recommending, or I should say
13 Rocaton is recommending an increase in the allocations
14 of private assets, wanted to make sure we can
15 incorporate that into the pacing plans for 2024 and
16 beyond, and we typically deal with those around
17 November.

18 It's not to put an artificial constraint on
19 the trustees, but it's just to reflect that that's one
20 of the things we're hoping to be able to get through and
21 get --

22 MS. HIRSH: Can we sort of request, and
23 obviously, I'm happy to help facilitate this process,
24 that we try to get to some of the -- some answers on the
25 implementation questions before we come back next month,

1 so that we can have a --

2 MR. MEIER: Yeah, absolutely.

3 MS. HIRSH: Great.

4 MR. BERGE: Thank you.

5 MR. BROWN: Ben, you didn't get a chance to
6 say anything. Do you want to chime in?

7 UNIDENTIFIED SPEAKER: All set. Thank you.

8 MR. BROWN: Alison, you are next, I guess,
9 with the Invitation to Join Labor Rights Investor
10 Network.

11 MS. HIRSH: Yes. Good morning, everybody. As
12 the trustees know, this board, along with four other New
13 York City pension funds, has taken a very active
14 approach as fiduciaries and shareholders across our
15 portfolio to ensure that the money we invest is done so
16 in a way that increases long-term financial return for
17 the companies we invest in and the pension funds.

18 And we have believed, and continue to believe,
19 that, in order to ensure long-term profitability,
20 workers have to be treated well and have to have freedom
21 of association and the right to organize, and that the
22 way workers are treated as a core part of how companies
23 thrive. And as you know, we have been leaders in that
24 space through shareholder proposals that this board has
25 put forward at Starbucks and other places, Amazon,

1 Chipotle, et cetera.

2 We have, therefore, been asked to join as
3 convening members of a new network called the
4 International Labor Network. We would be the only
5 pension fund as the -- or only (indiscernible) class
6 systems to support this, the only U.S. pension funds at
7 the convening table, but it will include the AFL, CWA,
8 Uni Global, which is the Global Federation of Service
9 Workers Unions, and others. And these are the folks
10 that we have been partnering with to, informally, as
11 much as formally, to put forward our corporate
12 governance approach.

13 So instead of having, rather than having like
14 Controller Landers sign on, we thought it would be much
15 more powerful if all of the trustees were willing to
16 have the pension fund sign on officially. And so that
17 is what we are recommending and asking for approval of
18 today.

19 MR. BROWN: Any questions for Alison?
20 Comments? So I guess, just for the record, we'll show
21 that we are in agreement, or not in agreement, perhaps.
22 So why don't we, for the record, take a vote, hear a
23 motion to perhaps accept the invitation to join the
24 Labor Rights Network, so we can have that on record?

25 MS. HIRSH: Sure. I will make a motion to

1 join.

2 MR. KAZANSKY: I second.

3 MR. BROWN: Great. So it has been seconded.

4 All those in favor, say aye.

5 (Ayes were heard.)

6 MR. BROWN: Those opposed? Great, so --

7 MR. FAULKNER: I'd like to abstain.

8 MR. BROWN: Okay. Let the record show that
9 Gregory abstains. So this does pass.

10 MS. HIRSH: Thank you very much.

11 MR. BROWN: Thank you. Next, Alison has an
12 update on the BAM University.

13 MS. HIRSH: Yes. So you should all have
14 calendar invitations for two Fridays in September,
15 Friday, September 22nd and Friday, September 29th, in
16 the controller's office, to -- we are having a sort of a
17 two-day training.

18 One thing that has become clear over the last
19 year-and-a-half, since I have been in this role, and
20 since Steve started, et cetera, is that trustees across
21 the systems really don't actually know the process
22 within, that BAM takes with the consultant, in
23 partnership with the consultants. From inception to the
24 completion of any one investment, how does a
25 recommendation actually come to the trustees, manager

1 recommendation? How does -- why doesn't a manager,
2 another manager recommendation come to the trustees, and
3 some do, et cetera.

4 And so we are putting together a two-day
5 training to walk through the work that BAM does on
6 behalf of the trustees, to go sort of step-by-step from
7 asset allocation through, on the public markets -- on
8 day one, we're going to be focusing on the public
9 markets, and what is the RP process, what are the
10 factors that go into the procurement, how does the
11 process move forward, why does it take so long, although
12 we're trying to fix that, et cetera, and what is all the
13 work that the staff does on behalf of the trustees
14 throughout that process? And then the second day, we'll
15 be focusing on private markets.

16 In addition to that, as many of you know, we
17 are launching the STAR project, the Strategic and
18 Tactical Accountability Review, thanks to Tom's
19 participation as one of the oversight committee members,
20 and Bryan's. We are in the final stages of hiring
21 McKinsey to take on that review. They will be sitting
22 in on the two-day training, and at the end of the last
23 day, the BAM staff will leave, actually, in the final
24 session of the last day of the second day training, will
25 leave trustees and McKinley, so that, as McKinley kicks

1 off -- we do the kickoff of their -- McKinsey, sorry,
2 I'm in school mode, McKinley, McKinsey.

3 As McKinsey, that would be the sort of kickoff
4 of McKinsey's work because they want to start by hearing
5 from trustees, after seeing how BAM currently functions,
6 what you, as trustees, see as needs lacking, et cetera,
7 to really frame the work that they're going to do.

8 We are also finalizing potential outside
9 speakers trying to figure out how to balance bringing
10 some good external talent in as well with a real desire
11 to really dig in deep to the work that BAM does, so that
12 there's a clear understanding of everything that goes
13 into what you all vote on every month or what we vote on
14 every month.

15 The last thing is, as I said, you all have
16 calendar invitations. The agenda with more detail is
17 going out hopefully today or tomorrow. I would suggest
18 that, if you can attend to, please just accept the
19 calendar invitation because Dorsa is on like phone bank,
20 you know, GOTV duty to make sure anybody who is not
21 committed to coming gets a call. So you can choose if
22 you want to talk to Dorsa over and over again over the
23 next two weeks, feel free to ignore the calendar invite,
24 and if you just want to say yes, then you will be free
25 from a call and we'll see you on the 26th.

1 MR. BROWN: Alison, would you resend that
2 calendar invitation? It might have been buried on the
3 --

4 MS. REILLY: It definitely went out over the
5 summer, so yes, it will be going back out today.

6 MR. BROWN: Great, thank you.

7 MS. HIRSH: Or tomorrow.

8 MR. BROWN: Good. Any questions for Allison
9 and BAM University? Great, thank you.

10 I think we're ready to go out of general
11 session and into executive session. So do I hear a
12 motion?

13 MR. KAZANSKY: So moved.

14 MR. BROWN: Great. Do I hear a second?

15 MS. HIRSH: Second.

16 MR. BROWN: It has been seconded. All in
17 favor of going into executive session, please say aye.

18 (Ayes were heard.)

19 MR. BROWN: All those opposed, say nay. Thank
20 you. We are in executive session. Perhaps we can take
21 a 10-minute break and come back at 12:00 o'clock.

22 (The proceedings were adjourned at 11:48 a.m.)

23 (The proceedings reconvened at 2:08 p.m.)

24 MR. BROWN: At this time, we'll have a readout
25 from Ron Swingle.

1 MR. SWINGLE: Thank you. This is Ron Swingle,
2 TRS Investment speaking.

3 In executive session of the Pension Fund, we
4 received preliminary performance data. We received a
5 presentation on a real estate commitment. Consensus was
6 reached we received a real estate presentation.
7 Consensus was reached. And we received two alternative
8 credit presentations, which consensus was reached on
9 both.

10 MR. BROWN: Great. Do you have any questions?
11 Do I hear a motion to adjourn?

12 UNIDENTIFIED SPEAKER: So moved.

13 MR. BERGE: Second.

14 MR. BROWN: All in favor of adjourning, please
15 say aye.

16 (Ayes were heard.)

17 MR. BROWN: All opposed? We are adjourned.

18 Thank you.

19 (Thereupon, the proceedings were concluded at
20 2:09 p.m.)

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17 of this matter.

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