

NEW YORK CITY TEACHERS' RETIREMENT SYSTEM
INVESTMENT MEETING

Held on Thursday, March 5, 2015

At 55 Water Street

New York, New York

9:50 a.m.

ATTENDEES:

MELVYN AARONSON, Chairperson, Trustee, TRS

SANDRA MARCH, Trustee, TRS

THOMAS BROWN, Trustee, TRS

SCOTT EVANS, Trustee

SUSANNAH VICKERS, Trustee

CHARLOTTE BEYER, Trustee

PATRICIA REILLY, Teachers' Retirement System

THAD McTIGUE, Comptroller's Office

MARTIN GANTZ, Comptroller's Office

JOHN ADLER, Trustee, Finance

SUSAN STANG, Teachers' Retirement System

DAVID LEVINE

ATTENDEES:

VALERIE BUDZIK, Teachers' Retirement System

PAUL RAUCCI

RENEE PEARCE

JOHN MERSEBURG, Comptroller's Office

LIZ SANCHEZ

PRESENTERS:

YVONNE NELSON

CHRIS PAK

ALEX DONE

PETYA NIKOLOVA

DAVID ALTSHULER

DAN GALINKO

EVAN NAHNSEN

MARC LIPSCHULTZ

RAJ AGRAWAL

SUZANNE DONOHUE

WILLIAM FOSTER

PRESENTERS:

STEPHEN BURNS

ISHIKA BANSAL

W. JEFFREY BECKHAM

MATT BRONFMAN

ALIX RICE

JOHN GRAY

ALEX HILL

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2 MS. REILLY: Good morning. We'll
3 begin the investment meeting of the
4 Teachers' Retirement Board for March
5 5th, 2015. I'll start by calling the
6 roll. Melvin Aaronson?

7 MR. AARONSON: Here.

8 MS. REILLY: Thomas Brown?

9 MR. BROWN: Here.

10 MS. REILLY: Sandra March?

11 MS. MARCH: Present.

12 MS. REILLY: Suzanne Vickers?

13 MS. VICKERS: Here.

14 MS. O'REILLY: John Adler?

15 MR. ADLER: Here.

16 MS. REILLY: So we do have a quorum
17 and I'll turn it over to the chair.

18 MR. AARONSON: Thank you very much.
19 At this meeting we'll start with a
20 public session of the QPP. We move to
21 the public session of the Passport Funds
22 and then when we go into executive
23 session. We have a report by the
24 Passport Funds in executive session and
25 then we will have the QPP executive

session. So that's going to be the order of the day.

MR. EVANS: Thanks very much. This

is a spiral-bound book, please. We're going to talk about the results. This is the second fiscal quarter ending December 31st. If you turn to page 11, we can see the results for the quarter. The fund was up 2.11 percent, policy index return of 2.02. That is an incremental excess of 9 basis points. You can see on page 7 that 7 of those basis points were allocation effect whether we were under or overweight individual sectors and two basis points were selection.

That's as close as you get to a draw versus the benchmark for quarter. Very, very even results with the benchmark.

On page 12 you have the 12 months ending December 31st. 7.75 for the plan, 8.50 for the policy index. You

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2 can see the under-performance was
3 primarily in selection effect. That's
4 how the managers are doing relative to
5 the benchmark and whether they are
6 overweight or underweight of the
7 benchmarks themselves.

8 The three-year returns on page 13,
9 again you had positive allocation effect
10 and negative selection effect ending
11 with 18 basis points.

12 So since we're talking about the
13 quarter, we'll go to page 14. We'll
14 look where the 9 basis points came from.
15 It is very modest, so I'll be brief
16 here. Interesting things going on in
17 selection effect. This is how the
18 managers are doing relative their
19 benchmarks where you have the developed
20 markets. These are the EAFE portfolios
21 doing very well relative to their
22 benchmark and private equity actually in
23 the plus column. Private equity had
24 been in the negative column when the
25 public markets were going up so much,

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2 there is a lag effect with private
3 equity and now we're slightly positive.

4 If you turn to page 15, you can see
5 how the fund is doing relative to its
6 peers. Its peers being all those funds,
7 public funds, over \$10 billion. And the
8 Teachers' portfolio is the red star.
9 The benchmark is the blue star. You
10 want to be at or about that top bar,
11 which is the top quartile. The gold bar
12 is the median. You can see we are sort
13 of median over the ten-year period, but
14 have done better recently relative to
15 peers over the past quarter, both the
16 benchmark and the system in the top
17 quartile and over the past two quarters.

18 So this fiscal year we are in the
19 middle. The distribution for the
20 portfolio and the benchmark is doing
21 well. One of the things you can
22 definitely conclude here is we have a
23 tough benchmark, when you look at the
24 benchmark itself is tougher than the
25 peers.

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2 That's all I have on the topdown
3 analysis. We are now going to hear from
4 the heads of each asset class. We'll
5 give you a little more depth about
6 what's going on and I'll start with John
7 Merseburg.

8 MR. MERSEBURG: Good morning. If
9 you would please turn to page 20 on the
10 spiral-bound book, you will see the
11 total equity composite. That has been
12 close to the benchmark for most periods.
13 The tilt from performance over the
14 trailing 12 months, but since it's
15 mostly passively managed it is very
16 close to the benchmark.

17 Turning to page 21, we have the
18 Total Small Cap composite. That was
19 behind the index for the quarter and for
20 12 months, but is well ahead of the
21 benchmark for longer periods. And
22 that's because of the good performance
23 of the one active manager in that
24 composite.

25 Moving to slide 22, you see that

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2 the Total Mid Cap composite is ahead of
3 the benchmark for the quarter, but
4 behind for longer periods. That's
5 basically because this consists of an
6 S&P Index fund which has a smaller tilt
7 relative to the Russell Mid Cap
8 benchmark index.

9 Moving on to page 23, you see that
10 the total Russell 1000 composite was
11 close to the benchmark for most periods.
12 The slight under performance in the most
13 recent quarter was because of the active
14 managers.

15 Turning to page 24, you see that
16 the Russell 3000 passive composite is
17 close to the benchmark for most periods
18 as we would expect.

19 And then on page 25 we see that the
20 manager of managers benchmark is behind
21 the manager of managers
22 composite -- excuse me, is behind the
23 benchmark for the quarter and most
24 trailing periods, but it has a
25 relatively short track record.

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On slide 30 we see that the developed Small Cap active composite trailed for the quarter. Again, a shorter track record, only goes back 12

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2 months.

3 And on page 31 we are wrapping up
4 public equity. We have emerging markets
5 and the emerging market composite
6 trailed the custom benchmark slightly
7 for the quarter.

8 Does anybody have any questions on
9 the public equity?

10 MR. AARONSON: I have a question
11 for the index portion. I know to match
12 the index, if you just are investing in
13 the index it is difficult because of the
14 costs. But it is my understanding in
15 our program we do stock lending and it
16 was always my belief that the added
17 benefit we get from stock lending should
18 keep us at least upward of the index or
19 even ahead of the index.

20 And I see for at least the last
21 three years or so, that we are slightly
22 behind the index. Is there something
23 going on with our stock lending program?

24 MR. MERSEBURG: The securities
25 lending, the accounts don't get credited

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2 to the accounts that they come from. So
3 whatever earnings we get from securities
4 lending for the Russell 3000 account
5 does not get credited at the managers
6 account.

7 MR. EVANS: It comes at the total
8 level.

9 MR. MERSEBURG: Yes.

10 MR. GANTZ: We have a breakdown for
11 you if you want, but we don't credit it
12 to the manager's account simply because
13 it is not attributable to the manager's
14 performance itself. But it is credited.
15 If you look at the appendix of this book
16 at the end, there is a line that says
17 "Securities Lending." That is the
18 value. There is also a chart on page 66
19 that you see the equity earnings by
20 year, so it is credited and it is
21 accounted for on a performance basis as
22 well. Going on a consolidated basis if
23 you want a breakdown, we can get it.

24 MR. EVANS: But securities lending
25 do offset a bunch of the costs.

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2 MR. AARONSON: Yes, I would like to
3 see that.

4 MR. MERSEBURG: Also if there is
5 a -- typically if there is a difference
6 because of the cash drag. So at the end
7 of the year we had some cash movements.
8 Depending on what the market does in the
9 three days between trade and settlement
10 date, that can have a little impact.
11 But we find that evens out over a course
12 of time. If you look at the longer term
13 record, it evens itself out.

14 MR. AARONSON: Anybody else with a
15 question?

16 John, thank you very much.

17 MR. MERSEBURG: Thank you. Thank
18 you. I think I'll hand it over to
19 Yvonne.

20 MS. NELSON: I have market value of
21 \$2 billion. There are five.

22 MR. AARONSON: What page?

23 For page 32. It is just one page,
24 but it is good news in that we've had a
25 phenomenal year in 2014.

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2 As you can see, in terms of our
3 portfolio, it was slightly under the
4 benchmark for three months, fiscal year
5 to date. But the good news in all that
6 is both numbers are in excess of 30
7 percent and I think that's pretty good.
8 Also as we look at longer terms, we see
9 that our managers have successfully
10 outperformed this benchmark. And as we
11 look at the trailing ten years, the
12 Teachers' portfolio is ahead by 113
13 basis points.

14 Any questions?

15 MR. AARONSON: Continue to do that.

16 MS. NELSON: Thank you.

17 MR. GANTZ: Martin Gantz. Good
18 morning, Mr. Chairman, trustees.

19 If you turn to page 34, it is a
20 summary of the Fixed Income Asset
21 Allocation for the Teachers' Retirement
22 System as of the end of December. And
23 you'll see the pie chart and the market
24 values were over 20 billion for fixed
25 income and it is roughly 35 percent of

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2 the whole fund. And the largest section
3 by far is in dark blue, which is the
4 Core Plus Five.

5 Breaking down the Core Plus Five is
6 on the very next page, 35. It
7 represents just under \$10 billion and is
8 nearly 17 percent of the fund. It has
9 government sector, mortgage sector and
10 credit sector. We are overweight the
11 spread sectors, mortgages and credit and
12 underweight the treasury sector and
13 because this was -- the quarter rates
14 declined as we'll talk about. We were
15 underweight the sector that outperformed
16 the most, so that didn't help. But
17 we'll show performance in a moment.

18 If you look at the difference
19 column, each of the sectors have
20 underperformed. Of the 13 managers, we
21 had 6 outperformed, 7 under-performed.
22 And most of the under-performance came
23 from the government sector because of
24 the interest rate moves. And in the
25 mortgage and credit sectors are much

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2 more modest. So taken together as a
3 whole, what does it mean?

4 On Page 36, Core Plus Five returns
5 for the quarter on the left were 1.77
6 behind the benchmark for 2.23. For
7 one-year return, very strong considering
8 how low rates are. It shows what
9 declining rates do, the return is 7-1/2
10 percent, just under the benchmark. And
11 for longer periods of time -- well,
12 ahead of the benchmark for all of those
13 periods of time. Again, I mentioned
14 there were 13 managers when you go to
15 the one-year number. Of the 13
16 managers, 11 outperformed. And the only
17 2 that didn't were in the government
18 sector and that goes away on the long
19 term.

20 The next slide is progress, which
21 is our emerging manager program. And it
22 is virtually a mirror image. Progress
23 hires managers to mimic the Barclays
24 aggregate, which is the most commonly
25 investment grade benchmark.

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2 On page 37 you'll see on the left
3 also underperforming virtually for the
4 same reasons, under-performance in those
5 manager's government pieces of the
6 portfolio. Even though it is not sector
7 portfolios, it is the government pieces
8 and doing well elsewhere in the
9 portfolio and the credit sectors. And
10 for the one-year period, they are
11 slightly above the benchmark.

12 TIPS is shown on page 38. The
13 returns were roughly flat for the
14 quarter. And for the physical year to
15 date we are actually negative. And the
16 one-year period, I'm talking about
17 absolute basis, were slightly positive
18 less so than the Core Plus Five. And
19 the returns were just under the
20 benchmark.

21 As you know, we just completed or
22 approved the TIP's Manager restructuring
23 and we'll be announcing results of that
24 to the board probably next month. The
25 transition is being completed I believe

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2 this week.

3 For high yield, on page 39, that's
4 about 4-1/2 percent of the fund and it
5 is about \$2-1/2 billion. You will see
6 the returns are spot on on the
7 benchmark. This is very interesting
8 because it is minus. Normally high
9 yield you think of being correlated with
10 equity. So equities are going up, the
11 largest sector of issuance, of new
12 issuance for high yield in 2014 was
13 energy. When energy crisis started
14 going down, it ultimately went down by
15 50 percent. Recently, certainly in the
16 fourth quarter, that sector got hurt a
17 lot. And because it is a bigger sector
18 of high yield, you ended up with
19 negative return. It also pulled down
20 the 12-month number as well to 2.46.
21 I'll tell you that recently in the
22 last -- as crude went down to about 40,
23 a little above 50 -- we'll talk about
24 that in a moment -- there's been a
25 significant rebound in those prices. So

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2 spreads have tightened and have come
3 back. May be temporary, but they've
4 come back. So now returns are back into
5 a much more positive number. And the
6 long-term numbers, you see the 10-year
7 and 15-year numbers are 17 percent.

8 Bank loans are on page 40. That's
9 a relatively new program since 2012. In
10 this case, it is doing very well. The
11 benchmark was negative, less negative
12 than high yield as you would expect
13 because it is higher than capital
14 structure because it has less risk.
15 Managers did better because they were
16 more defensive in all the periods you
17 see. In high yield we have a mix of
18 defensive and aggressive managers.

19 Convertible bonds on page 41. I
20 told you this day would come when
21 managers would outperform. It would be
22 when the markets would be muddling along
23 and have negative returns. And that's
24 surely what happened in the last three
25 months, where the returns are very

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2 modest and the program outperformed the
3 primary benchmark by 100 basis points
4 and the fiscal year to date over --
5 nearly 150 points because the benchmark
6 is negative. For the trailing periods,
7 it is still behind. But as we get
8 through a market cycle, that should turn
9 around. And the managers themselves,
10 comparing the dark blue to the gray, are
11 beating their individual benchmarks.

12 Opportunistic fixed income on 42,
13 you'll see negative fixed and the 10
14 percent benchmark. It is very similar,
15 some markdowns for energy. But in the
16 case of Opportunistic income, it is
17 where they are involved in restructuring
18 or buying things that are cheap and
19 things are going into distress to
20 recapitalize a company. So there are
21 more. So they write down public
22 securities right away. Ultimately,
23 that's what we want in the portfolio
24 for. Only other comment, longer-term
25 opportunistic doing very well we see.

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2 Unless you have questions, I'll
3 turn it over to Brian -- Chris. I
4 apologize.

5 MR. PAK: Good morning.

6 If you turn to page 43, we have the
7 ETI returns. And as of December 31st
8 2014 the Teachers' ETI portfolio
9 outperformed its benchmark by 42 basis
10 points. And over the last 12 months the
11 Teachers' ETI portfolio outperformed its
12 bench by 2.3 basis points.

13 If we flip to the big book, page 7
14 in the big book, we have the detailed
15 collateral benefit reports for the ETI
16 program. So on page 7 we have the PPAR
17 program, collateral benefit report
18 listed. And the Teachers' PPAR
19 portfolio outperformed its benchmark by
20 54 basis points during the second
21 quarter of the fiscal year and by 564
22 basis points over the last 12 months.
23 There was a slight drag in the returns
24 because we had a large prepayment for
25 Cathedral Towers, but that resulted in a

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2 prepayment penalty by the borrower. In
3 the fourth quarter, Teachers purchased
4 15.5 million in liens to create or
5 preserve 956 units. Those loans
6 originated through Bank of America,
7 Citibank, CPC and LIIF.

8 And I'm happy to report that in
9 the -- as of December 31st, Teachers
10 received its first rate lock from a new
11 lender, Wells Fargo, for a \$1.8 million
12 loan in the Stapleton section of Staten
13 Island. And the Teachers' portion of
14 that loan would be \$360,000. It is
15 going to be supporting a six-story
16 affordable housing development with 67
17 units. In addition to that rate lock,
18 Teachers made \$13.7 million for rate
19 lock commitments through Bank of America
20 Citibank and CPC. I would like to point
21 out, because we added a new lender with
22 Wells Fargo, we had a slight excel
23 error. So up on top where it says
24 "current market value," we accidentally
25 doubled that sum. It should be 161.9

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2 not 322 million.

3 MS. MARCH: We'll take the error.

4 MR. AARONSON: I have a question.

5 In the total commitments, to my
6 understanding, Manhattan is the richest
7 borough in the city and the Bronx is the
8 poorest borough in the city. Yet we
9 seem to be making in this program more
10 contributions and investing more in
11 Manhattan than we are in the Bronx. So
12 since this is supposed to be an
13 economically-targeted investment, is
14 there any explanation for that?

15 MR. PAK: Sure. So the historical
16 figures on the bottom goes back 30
17 years. So we do, you know, shifting
18 demand over time to different boroughs.
19 But our program is a long-term takeout
20 program and we basically help support
21 the affordable housing stock through
22 extending 30-year mortgages to them.

23 And our program is most frequently
24 used in conjunction with additional
25 subsidiaries from different city

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2 agencies, so we are -- our program
3 basically helps -- helps affordable
4 housing programs in those areas, but
5 we -- it is in conjunction with other
6 city subsidiaries. In the past we might
7 have had more money flowing into Upper
8 Manhattan and such is compared to the
9 Bronx.

10 MR. AARONSON: Thank you.

11 MR. PAK: If there are no
12 additional questions, if you flip to
13 page 9 we have the AFL-CIO-CIO housing
14 investment trust. Last quarter we
15 missed the benchmark by 6 basis points.
16 But this quarter we are -- we've
17 outperformed its benchmark by 15 basis
18 points and 36 basis points over the last
19 12 months.

20 If you turn to page 10 in the big
21 book, this is the Workforce Housing
22 Initiative for the AFL-CIO-CIO. And we
23 had a new investment of 8.265 million
24 for an HDC bond offering that will be
25 used to finance 619 affordable units in

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2 Long Island City.

3 If you flip to page 11, we have the
4 Access Capital Strategies Program. The
5 Teachers outperformed its benchmark by
6 44 basis points over the last 12 months.
7 In the fourth quarter, Access purchased
8 5 million of HDC multi-housing revenue
9 bonds. And those, the proceeds were
10 used to rehab 874 units of rental
11 housing in ten buildings across six
12 scattered cites in Bronx, Manhattan and
13 Brooklyn. In addition, Teachers
14 invested 1.2 million in 79 multi-units
15 in the Bronx.

16 That concludes the ETI collateral
17 benefit reports. Unless there are any
18 questions, I'll turn it over to Alex.

19 MR. DONE: This is Alex Done. Good
20 morning, Mr. Chairman and fellow
21 trustees.

22 Today we are doing the private
23 equity quarterly report. We will be
24 discussing third quarter '14 numbers,
25 September 30, 2014. I'll turn you in

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2 the big book to page 24 and that is
3 where we will begin.

4 Page 24 provides a snapshot of the
5 portfolio's active commitment and
6 overall performance. You will see in
7 the middle of the page, the table,
8 Teachers had 5.5 billion of active
9 commitments through the third quarter of
10 '14 across 90 managers and 142 funds.
11 Portfolio had a market value of \$2.7
12 billion, which represented 4.7 percent
13 of total Teachers' plan assets relative
14 to the 6 percent target to the asset
15 class. In addition, unfunded
16 commitments totaled 2.2 billion
17 resulting in total exposure of \$4.9
18 billion to the asset class. If you look
19 at the bottom of the table, you will see
20 that the returns since inception have
21 decreased 14 basis points quarter over
22 quarter to 9.45 percent versus 9.59
23 percent in the June quarter and
24 multiple -- net multiple is standing
25 steady at 1.3 times.

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2 Now, I ask you to turn to the next
3 page, page 25. Here we list recent
4 commitments. Teachers close on one
5 commitment during the third quarter to
6 Vista Equity Partners and it was \$125
7 million commitment.

8 If you quickly turn to page 26, we
9 list subsequent commitments from the
10 third quarter through February 24th of
11 2015 and Teachers close on an additional
12 \$242 million in commitment. And that
13 was to seven partnerships, two Core
14 partnerships and five emerging managers.

15 Moving next on, I'll flip you to
16 page 28. So on page 28 we'll look at
17 the Quarterly Value Analysis. So during
18 the third quarter of '14, the portfolio
19 was slightly cash flow negative. So
20 contributions exceeded distributions to
21 the tune of \$41 million. However, the
22 portfolio has been cash flow positive in
23 three out of the last five quarters.
24 You will notice here as well that
25 quarter over quarter and year over year,

the portfolio value has actually increased. So in the quarter or quarter over quarter, that has increased \$75 million or 2 points year over year. The value of the portfolio has increased by \$301 million or 12-1/2 percent.

Now I'll take you to page 31 where
you can visually see the cash flow
trend over the last several quarters.
As I mentioned you'll notice the cash
flow has been positive over the three of
the last five quarters.

The last page is 32 that I'll present. Here you see the portfolio remains diversified by strategy, buyouts, our largest exposure, at 54 percent and that's versus a target of 65

percent. We expect this exposure to increase as we continue to source and commit --

Bottom of the page, as requested by

And with that, I'll take any
ions.

MS. MARCH: Not about your report, didn't we ask that you analyze our private equity portfolio so that we could know -- since inception so that we

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2 could know, since we believe we pay very
3 high fees in that area, if the earnings
4 that we've had with all our private
5 equity firms have really -- their
6 earnings have really been a value to us,
7 value to us considering what we have to
8 pay to have private equity managers? I
9 believe we asked that question.

10 MR. AARONSON: I recall it.

11 MS. MARCH: We did ask that
12 question. Somebody take a look at our
13 private equity portfolio, all of the
14 private equity managers, analyze what
15 fees we have paid these managers and
16 analyze what in total we have earned as
17 a result of invested in those managers'
18 net results, what have we earned.

19 MR. DONE: We can certainly come
20 back with the details on that. I can
21 tell you as we report on the quarterly
22 performance, the figures we provide is
23 since inception. So it is purely a
24 return perspective, portfolio has
25 returned 9 percent value over time and

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2 that is net of fees.

3 MS. MARCH: It is net of fees?

4 MR. DONE: Yes.

5 MS. MARCH: With all the private
6 equity funds that have not exactly
7 performed as we expected, which can
8 happen?

9 MR. DONE: It includes every fund
10 you've ever invested in, whether you are
11 an investor today in it or not. So this
12 is since inception.

13 MR. ADLER: And what is the
14 relevant benchmark?

15 MR. DONE: It is a public market
16 benchmark. It is the Russell 3000 plus
17 300. We have in here relative benchmark
18 performance and certainly we have
19 under-performed the public market
20 benchmark since inception.

21 I'm just looking for the actual
22 data here, but we have under-performed
23 by 3-1/2 percent or 355 basis points.
24 So if you look at since inception, if
25 you were to have invested your dollars

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2 in the Russell 3000 plus included a
3 300-basis point, that would have
4 returned 13 percent versus the 9.45
5 percent that the portfolio has returned.
6 So we lagged by 355 basis points.

7 MR. AARONSON: Does that mean you
8 lagged the Russell 3000?

9 MR. DONE: Plus 300. Go ahead,
10 sorry.

11 MR. AARONSON: The Russell 3000 by
12 355 points?

13 MR. DONE: Yes.

14 MS. BEYER: How much?

15 MR. AARONSON: 355.

16 MS. MARCH: If I take it one step
17 further, and if I'm not making sense
18 someone will correct me, we invest in
19 asset classes that take very little of
20 our effort, very little of our staff for
21 much larger percentages of our assets.
22 So you are telling me what the earnings
23 are on about 2 to 3 percent of our
24 assets. I believe we have 5 percent
25 invested.

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2 MR. DONE: Yes.

3 MS. MARCH: How can we compare the
4 effort that it takes to earn this money
5 in comparison to what effort it made
6 both in terms of staff that has to
7 handle it, consultant that has to handle
8 it, time that it takes to do it? All of
9 that has to be evaluated when you were
10 finished in the end of saying we earned
11 this percentage. So I don't know if
12 that question makes any sense, but it
13 does in my mind. Because when it is
14 over, everything we learned we learned
15 in kindergarten.

16 MR. EVANS: Let me make sure I'm
17 understanding. We do show on page 27
18 the answer to your question, net of
19 fees, how are we doing versus if we just
20 invested in the market. And, as Mel
21 said, if we just invested in the market
22 we would have 55 basis points. But we
23 also have to look at what we are paying
24 the managers and the effort that we are
25 taking, the extra costs that we have to

cover the private equity class, the extra accounting and the consultants' fees and everything else. And I think that's a correct way to look at it.

Now, in private equity this

management team press said or management team Larry Schloss, a private equity expert, have counseled the way to get value out of this asset class, the private equity asset class, is concentrate your focus on the managers that have demonstrated capabilities to earn sufficient returns over time. And "sufficient" being index returns plus an

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2 allowance for the leverage that they
3 take and the liquidity.

4 So since I've been here, and as I
5 understand several years before that,
6 we've been endeavoring to bring you only
7 managers that have conviction, that have
8 a high probability of earning sufficient
9 returns. And so I think you'll see as
10 we move forward, because it takes a long
11 time for private equity to work, this
12 happened if we concentrate our efforts
13 and high on producing the returns that
14 are necessary to cover these costs,
15 which you correctly identified.

16 MS. MARCH: And I have a question.
17 When Larry Schloss was there, the
18 private equity expert, we had staff.
19 Even though we have a consultant, I
20 believe the staff at my investment
21 level, advisor level has to be staffed
22 to be able to watch the consultant and
23 the private equity managers.

24 Do we have a full complement of
25 staff at BAM right now?

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2 MR. EVANS: No, we don't. As you
3 know, there were a fair number of people
4 that left with Larry. I believe Alex
5 Done has done an excellent job. We have
6 a fellow that started yesterday,
7 Anash -- what is his last name --
8 Kadizia who is a very bright young man.
9 And we are building a staff, we have job
10 postings there. You are quite right,
11 without proper staffing we can't get
12 there.

13 I am currently offering salaries
14 that are below the low quartile level in
15 public pension space. So it is very
16 difficult to recruit staff at the salary
17 levels that we are able to offer. The
18 consultant or comptroller is very
19 aggressively working to help me address
20 that situation, but we are in many cases
21 dealing with situations where people are
22 able to leave for many multiples of what
23 they earn even to other public pension
24 plans, public pension plans where the
25 living costs are much, much lower than

1 Proceedings

2 they are in New York City. We have
3 people that are able to leave and get a
4 premium elsewhere. So this is something
5 that needs to be addressed.

6 We will be back to the board in
7 terms of soliciting proper funding, but
8 there is no higher personnel priority on
9 my plate than getting a full complement
10 of a private equity staff.

11 MS. MARCH: I respect what you want
12 to do, but you have to respect this is
13 our members' money and sometimes we have
14 to work a little faster to ensure the
15 fact that we have the right staffing
16 handling such a complicated aspect.

17 MR. EVANS: We are working at it at
18 full strength.

19 MR. AARONSON: I just want to say
20 that labor trustees have nothing but the
21 highest respect for Alex's ability, but
22 he's working alone now or was working
23 alone. And he is not superman and he
24 can use --

25 MS. MARCH: Alex -- my remarks were

1 Proceedings

2 not directed at Alex.

3 MR. EVANS: No, they were directed
4 to me.

5 MS. MARCH: And no -- and we are
6 very pleased to have Anash joining the
7 staff and he will add to our capability.
8 And we also have people from our other
9 asset classes working out and we have
10 very competent consulting staff, so your
11 assets are being looked after. But we
12 need more staff if we want to get this
13 job done.

14 MR. AARONSON: Are you finished
15 with your report?

16 MR. DONE: I am. Any questions?

17 MR. AARONSON: No.

18 MR. DONE: Thank you.

19 MS. NELSON: So, back again, this
20 time we're going to turn our attention
21 to private real estate in the board
22 book, page 47, beginning of the
23 presentation for real assets. As you
24 know, there is a 6 percent allocation to
25 real assets. I will be reporting on the

1 Proceedings

2 highlights for the third quarter 2014
3 for real estate. The page numbers on
4 the right are obscured, so after this
5 page I'm just going to return to the
6 pages down at the bottom.

7 So the first page of the report at
8 the bottom is page 1. And I'll continue
9 to refer to those page numbers since
10 it's hard to see what else is going on.
11 So just to kind of give you an overview,
12 real estate recovery is finally taken
13 hold with U.S. followed by Europe and
14 Asia. This is turning out to be a great
15 investment environment for real estate
16 and we are seeing signs of that. I
17 guess the biggest surprise in 2014 was
18 that interest rates stayed so low that,
19 together with some very healthy debt
20 markets, has been driving up the value
21 of real estate.

22 For example, in your own portfolio
23 if I look to what your market value was
24 third quarter of 2013, it was 1.1
25 billion. And as of this reporting date,

1 Proceedings

2 it is 1.4 billion, an increase of 300
3 million or 27 percent. We also have
4 some commitments that we have yet to
5 fund, close to a billion, about 950
6 million. Altogether, our exposure to
7 the real estate asset class \$2.3 billion
8 and that's comprised of about 45 deals.
9 We have about 36 managers working on
10 that and I'm going to talk about
11 performance.

12 If you look at the lower right,
13 you'll see a graph. The Teachers'
14 portfolio is the dark bar and the
15 lighter bar is the real estate
16 benchmark. The real estate benchmark is
17 a time-weighted benchmark. It is the
18 Odyssey index plus we add a premium of
19 100 basis points because we have both
20 Core and Non-Core investments in the
21 portfolio, as you know.

22 For the quarter, looking over to
23 the left of the graph, you'll see that
24 the performance for that quarter is
25 2-1/2 versus the benchmark of 3-1/2. So

1 Proceedings

2 we are under about 80 basis points here.

3 We have that 100 basis points premium

4 for a reason. You don't always see it

5 every quarter. The performance from the

6 noncore managers were relatively flat

7 this quarter, but as you look over to

8 the right, more importantly for the

9 longer periods and for the year maybe,

10 you can see some of the positive

11 attributes that I talked about.

12 About the market in general, you'll

13 see that the Teachers' portfolio

14 outperformed the benchmark by 50 basis

15 points for the year, similarly the

16 three-year by 20 basis points, the

17 five-year by 110 basis points, the

18 ten-year which is the kind of bright

19 line that we draw on the IPS in terms of

20 is this program performing or not

21 performing. Ten-year mark is what we

22 look to. And there is a very strong 390

23 basis points outperforming there. Since

24 inception, 140 basis points. And in

25 terms of dollar rate return basis given

1 Proceedings

2 the conversation we just had earlier,
3 the since inception return is 8.7
4 percent for the program reflecting 1.3
5 times equity multiple.

6 In terms of investment activity,
7 there wasn't any investment activity in
8 the third quarter, but since the third
9 quarter we submitted and closed Almanac
10 on your behalf and also committed and
11 closed at 65 million. We talked about
12 in our annual plan for real assets a
13 goal of about 785 million for the year
14 and so real estate has contributed 150
15 million toward that. And we are talking
16 about other investment proposals later
17 in the agenda.

18 So if you move over to page 2, this
19 really is just a drill-down of the
20 portfolio by investment style. We
21 talked about exposure of real estate at
22 2.3 billion and that's comprised of Core
23 and Core Plus strategies where those
24 managers are delivering returns that are
25 primarily comprised of income. And then

1 Proceedings

2 you have the Non-Core managers who are
3 looking at things opportunistically,
4 trying to fix broken capital structures.
5 And that part of your portfolio is about
6 60 percent. Within that Non-Core 60
7 percent is also a slice where you would
8 find the emerging. So in terms of where
9 we are today, we are at 2.4 percent
10 funded and we are 4.1 percent committed.

11 MR. AARONSON: Excuse me? Is this
12 the same in private equity, we give the
13 money and we lose all the income on the
14 money while they are holding it?

15 MS. NELSON: I'm sorry, I didn't
16 hear the last part.

17 MR. AARONSON: The committed money,
18 so we have 2.4 billion invested, 1.7
19 billion committed?

20 MS. NELSON: Those were
21 percentages.

22 MR. EVANS: Are you asking if we
23 pay fees on committed?

24 MR. AARONSON: Yes.

25 MR. EVANS: Do you pay fees on

1 Proceedings

2 committed?

3 MS. NELSON: Yes, it varies. It
4 varies. We know it is very, very
5 important to you, so I would say we've
6 been striving not to pay committed. I
7 think we've been successful in the
8 separate accounts we've established, so
9 in terms of the accounts that we did
10 with MS related and Hudson, we don't pay
11 on committed. We drop that. In terms
12 of the commingled funds, they are more
13 broadly available in the marketplace and
14 are driven by what the market says. You
15 know, we do pay on committed less. So
16 over the years, you know, we try to bank
17 them on that.

18 MR. EVANS: So she correctly noted
19 and it is important to ask, when we can
20 hire manager and pay less for that
21 manager, we do it. If we can get people
22 to work for just invested capital, we do
23 it.

24 MR. AARONSON: So I neglected to
25 ask the same question when Alex was

1 Proceedings

2 reporting. We have a large committed
3 amount that's not invested yet. Are we
4 paying high fees to the managers for
5 that money?

6 MR. DONE: In private equity you do
7 pay fees on commitments.

8 MR. ADLER: Through the investment
9 period?

10 MR. DONE: Yes. And that's
11 standard.

12 MS. BEYER: And part of your
13 question is are we giving those funds
14 over and I don't think we are. They are
15 committed and not until they are called,
16 or are we putting the monies in?

17 MR. EVANS: Before the funds are
18 called, they sit in the -- in the
19 holding place in the case of private
20 equity -- what do we call it, Martin?

21 MR. GANTZ: It is parking places.

22 MR. EVANS: It is in the Russell
23 3000 for the private equity. It is a
24 combination of.

25 MR. AARONSON: And, therefore, for

1 Proceedings

2 Russell we are paying sometimes 2
3 percent.

4 MS. BEYER: Exactly.

5 MR. EVANS: That's why you have the
6 so-called J curve.

7 MS. BEYER: What portion would you
8 say is the commingled versus the
9 separate?

10 MS. NELSON: I would say we are
11 predominantly commingled because of
12 execution.

13 MS. BEYER: Okay.

14 MS. NELSON: It is -- it is more
15 prudent and it is easier to get a lot of
16 dollars out the door in a commingled
17 fund. It takes deep, deep resources, as
18 you know, to invest on a direct basis.
19 And we've done that in real estate and
20 on limited occasions in the separate
21 accounts that I mentioned. And that's
22 because we are there, we can get on the
23 train, they call us, we look at the deal
24 together. You have to have deeper
25 resources in order to execute directly.

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2 We've been doing that in a gradual way
3 as we've been building up BAM.

4 MS. MARCH: I want to follow up
5 with something that one of the trustees
6 said. It is true that if we've
7 committed X number of dollars to a
8 private equity firm that they haven't
9 put to work yet, the money is invested
10 somewhere and it is earning money. I
11 realize that.

12 MS. NELSON: Yes.

13 MS. MARCH: But would you not say
14 if we are paying the private equity
15 manager X amount of money for the assets
16 that they really should have already put
17 to work, if those funds were invested in
18 an asset class that earned X you would
19 have to subtract the earnings that you
20 earned in the asset class that the money
21 was in from those assets as to what you
22 paid the private equity manager to
23 really know what those assets earned?

24 So if it is in the Russell 3000 and
25 the Russell 3000 earned 8 percent and

1 Proceedings

2 there was \$100,000 that we're talking
3 about and that \$100,000 you are paying
4 the private equity manager 20 percent
5 for those fees, when it is all over
6 you've got to subtract it to know what
7 those assets really earned. You can't
8 really clearly say that those assets are
9 still earning their going rate because
10 they are still committed. There is a
11 second part to the story, although it
12 may not be a huge amount of money.

13 MR. EVANS: If I'm understanding
14 you --

15 I'm sorry, I'll let you finish.

16 MS. MARCH: No, I'm finished.

17 MR. EVANS: I think your concern is
18 taken care of by the way we calculate
19 the returns in private equity. So those
20 costs that you have on committed funds
21 are getting deducted against the private
22 equity. So when they finally call the
23 money down, you have to earn back those
24 monies on top of it. And what we use as
25 a benchmark is the Russell 3000. So

1 Proceedings

2 from the moment they call down the
3 assets, the question is are they earning
4 at sufficient money to outperform both
5 the fees and what we would have gotten
6 for index invested.

7 MS. MARCH: So if I understand what
8 you just said to me, and maybe I don't
9 understand it, if there's X dollars in
10 the Russell 3000 and that money earned
11 that much and there's X dollars in a
12 private equity managers portfolio and we
13 are paying them but it is not earning
14 anything when you figure out the fees,
15 you subtract from the private equity
16 managers' money?

17 MR. GANTZ: It is in the returns.

18 MS. MARCH: No, I understand it is
19 in the returns. So what you are saying
20 to me is we lose nothing at all?

21 MR. EVANS: No, no.

22 MS. VICKERS: No, we are saying it
23 is baked into the calculation of the
24 returns.

25 MR. EVANS: If you have a private

1 Proceedings
2 equity fund where you've committed money
3 but no money has been invested, your
4 returns are going to be negative and
5 they are negative by the factor of the
6 fee. So you have nothing invested and
7 you have a fee. That's one of the
8 reasons why you have that curve where
9 you have negative funds, negative
10 returns upfront. It increases the
11 burden on the private equity firm to
12 make money on the back end to account
13 that you are paying money on the front
14 end when the money hasn't been invested.

15 MS. MARCH: When you are analyzing
16 what we've earned in our private equity
17 portfolio, I would like to see a
18 separate column on the back end they
19 made up what it cost us in the beginning
20 end. I want to see it.

21 MR. EVANS: We'll break it out for
22 you. Happy to.

23 MS. MARCH: And I have a few things
24 this board -- and, I mean, the board in
25 total, this board has long time wanted

1 Proceedings

2 to do Workforce Housing. We have been

3 unable to find a manager who's willing

4 to do it. I would like to suggest to

5 the comptroller's office that they work

6 with the AFL-CIO-CIO housing trust to

7 see if something can be developed for

8 Workforce Housing because it is time.

9 And I think everybody here would agree

10 that the AFL-CIO-CIO housing trust has

11 been a stellar investment for us,

12 especially those of us who sat here in

13 2007, 2008 and 2009 and saw what

14 happened in the real estate market. And

15 the AFL-CIO-CIO housing trust had not

16 one mortgage that wasn't in trouble.

17 MS. VICKERS: So we've done that.

18 We've had meetings with them. I don't

19 think Chris or Brian are here. I don't

20 know if you were in those meetings.

21 Wasn't there an meeting in late last

22 year based on not just this boards' but,

23 you know, many boards' desire to try to

24 find ways to invest in Workforce Housing

25 and affordable housing? And we have

1 Proceedings

2 told them of our desire.

3 MS. MARCH: I would make a
4 suggestion, that you contact them now
5 because I believe they may or they may
6 not be interested. But I understand
7 meeting with them previously. I'm just
8 suggesting we do it now.

9 MS. VICKERS: We've met with them
10 recently and we've been very clear in
11 our desire to work with them. And we
12 are waiting for that opportunity to come
13 to fruition, but they know that we are
14 ready.

15 MS. MARCH: Thank you.

16 MS. NELSON: Can I clarify
17 something for you, Charlotte. And you
18 were also asking about fees and paying
19 on committed and real estate. I just
20 want to clarify something and I'm glad
21 we are on page 2. So this slice, Core
22 Plus, this 40 percent slice of your
23 portfolio at the top, the circle on page
24 2 on the top, it is a pie that's cutting
25 up the portfolio by strategy. And

1 Proceedings

2 there's 40 percent that's allocated
3 toward Core and Core Plus strategies.
4 These commingled funds, they don't call
5 your money until they need it. So, in
6 essence, you are paying on invested.

7 MS. MARCH: Let's turn the gray to
8 black and the black to gray. That
9 should be our goal. We are very happy
10 to see gray, but let's reverse the
11 colors.

12 MS. NELSON: Okay.

13 MR. ADLER: So you are saying the
14 commingled and the Core --

15 MS. NELSON: The open end funds
16 they have when investors commit to a
17 fund, they put you in a few outside of
18 the fund, they don't call your money.

19 MR. ADLER: Until they have a deal?

20 MS. NELSON: Exactly.

21 MR. ADLER: In terms of the
22 separate accounts, do we have separate
23 accounts on both sides of the portfolio,
24 on the Core side and on the
25 opportunistic side.

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2 MS. NELSON: We do, yes.

3 MR. ADLER: Thanks.

4 MS. NELSON: Yes, and hopefully it
5 is a growing part of the portfolio.

6 MR. ADLER: Do you know -- do you
7 know how much is in separate accounts,
8 what percentage?

9 MS. NELSON: I was just adding it
10 up. If you look at page 8, TRS
11 committed about 375 million to New
12 York -- if you look, do you see the gray
13 line that cuts the page?

14 MR. ADLER: Yes.

15 MS. NELSON: There is one deal, New
16 York City asset investor No. 2, that's
17 above that gray line where TRS committed
18 145 million. That says, "New York City
19 separate account." And then in the
20 bottom half, it kind of down -- what
21 kind of order, is this, alphabetical?
22 Anyway, New York City 1 and 3.

23 MR. ADLER: Yes.

24 MS. NELSON: So that's about 375
25 million.

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2 MR. ADLER: So those are the three
3 separate accounts that we have?

4 MS. NELSON: Yes.

5 MR. ADLER: Got it.

6 MS. NELSON: We had a separate
7 account, Tishman, that did very well,
8 for us and it is no longer active.

9 MR. ADLER: I see.

10 MS. NELSON: Oh, actually there's
11 also Taconic.

12 MR. ADLER: Taconic.

13 MS. NELSON: 70 million, that's
14 also a separate account that we pay on
15 invested.

16 MR. ADLER: Thank you.

17 MS. NELSON: Okay. So on page 3 it
18 is a drill-down on quarterly
19 performance, which I think is
20 instructive. But I don't want to
21 overemphasize quarterly performance
22 because real estate is, you know, a
23 long-term asset class. We do have blips
24 and fluctuations quarter by quarter, but
25 just to summarize, the Core Plus portion

1 Proceedings

2 that we just talked about comprised of
3 about 15 funds delivered a return of 2.7
4 on a net after-fee basis. And on the
5 Non-Core side we had about 27 Non-Core
6 investments. And for the quarter, that
7 component of the portfolio delivered a
8 return of 2-1/2 percent on a net basis.

9 Emerging for managers delivering,
10 and a graphical depiction down at the
11 bottom, this is -- page 4 is another
12 interesting way to look at the
13 performance for the quarter. It is a
14 depiction of all of your investments and
15 it is showing you the managers that have
16 performed better than average, which
17 would be those where the bars are coming
18 out from the right side and a big arrow
19 that says "Above average." Folks in the
20 middle are, you know, just doing their
21 thing. And the people at the bottom,
22 below average are the bars coming out to
23 your left.

24 Interestingly enough for this
25 quarter, the top three performers for

1 Proceedings

2 the Northeast we now highlight with a
3 triangle the exposure of the portfolio
4 to the New York City MSA, which is
5 approaching 20 percent. It is at 18.7.
6 So we talked a lot before New York and
7 it is 18.7 percent and we will continue
8 to track that. The split in terms of
9 our global approach, because this is a
10 global investment program, we have 16
11 percent U.S., about 84 percent domestic.

12 Page 7 is just a summary of where
13 the program sits vis-a-vis the
14 compliance metrics that we set forth in
15 our IPS. In this particular quarter,
16 Teachers' program is fully
17 compliant.

18 Page 8 is just a summary of your
19 investments.

20 And I'll take -- if there are any
21 other additional questions, I'll take
22 them. There are some additional items
23 we'll talk later on in the agenda.

24 MR. AARONSON: Yes. Who is it that
25 sets the value? And I was going to ask

1 Proceedings

2 Alex that. Who is it that sets the
3 value so that we can value our fund?
4 And is it -- is there an impartial
5 person who checks whatever the manager
6 says is the value of the fund?

7 MS. NELSON: So for real estate,
8 that Core, Core Plus slice, 40 percent
9 slice we are talking about, those assets
10 are appraised once a year by a
11 third-party. They don't do it all at
12 the same time, like every quarter they
13 do 25 percent of the portfolio. So that
14 is the process in the Core open end
15 space.

16 In the opportunistic space, the
17 managers are guided by FAS 7, which
18 means you have to look at your asset of
19 quarter and evaluate what you think it
20 is worth in its current state, whether
21 you finish your business plan or not.
22 And you're supposed to be a fair
23 valuation based on what someone would
24 buy that for. The manager does that
25 every quarter. There is an auditor that

1 Proceedings

2 comes in once a year to opine on that
3 methodology. Some GPs -- it is not
4 standard across, but there is a GP that
5 you will hear about later today that
6 they also hire a third-party to help
7 them with that, even with their
8 quarterly internal valuation.

9 So I hope that's a good summary.

10 MR. DONE: I would add, Mr.
11 Chairman, private equity is the same.
12 And what I would add to what Yvonne
13 said, in addition, we had the investment
14 teams who sit on the boards and we are
15 part of valuation committees. The GPs
16 will share with us their valuation and
17 we'll opine if it -- their methodology
18 makes sense. And then we have an
19 auditor come in to do it.

20 MR. GANTZ: We are talking about
21 private markets. It is very important
22 there are assets in there.

23 For opportunistic, one of the
24 wonderful assets of and the pillars of
25 what we have in -- in addition to lower

1 Proceedings

2 fees and better terms is that the
3 valuations we write in our documents.
4 And counsel knows about this. We have
5 language in there that requires the fund
6 to hire an independent administrator and
7 they are required to have the
8 evaluations performed at our request or
9 on certain schedules. So it is not the
10 manager's evaluations, but an
11 independent evaluator by an
12 independent -- hired by an independent
13 administrator.

14 MR. AARONSON: Is that something
15 that could be done in real estate and
16 private equity?

17 MR. GANTZ: It costs money and it
18 is also a different, different animal.
19 It is credit versus equity.

20 MS. MARCH: That's the animal we'd
21 like to deal with.

22 MR. AARONSON: Because if you ask
23 me to evaluate my real estate portfolio
24 I would give you one figure, but would
25 anybody else pay that for it. And

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2 that's the part I think that's the
3 value, how much would somebody pay.

4 MS. NELSON: Exactly, what the
5 market would pay.

6 MR. DONE: The way you get comfort
7 in the valuation of our managers is in
8 their exits. So you can see how -- what
9 valuations are receiving at exit versus
10 the marks that were in there portfolio
11 in the quarter before the transaction is
12 concluded. That is one of the analyses
13 we do to get comfort that a manager
14 appropriately assesses their assets.

15 MS. MARCH: That's why, Alex, you
16 need staff, because you can't wait until
17 they exit. You have to have staff
18 that's helping you evaluate them while
19 they are giving you their evaluations,
20 because it is really important to watch
21 the street.

22 MS. NELSON: That happens on an
23 ongoing basis.

24 MR. DONE: I would reiterate you
25 are absolutely right. We leverage our

1 Proceedings

2 consultants and they have very big
3 staff.

4 MS. MARCH: Alex, there are
5 consultants sitting here. I have more
6 faith in you. I love my consultants,
7 but you are dedicated to be a city
8 employee. I have more faith in the
9 teacher in the classroom than I have
10 with the company they've hired to watch
11 the teacher, because they are there for
12 their own personal reasons. She's there
13 to protect our assets, the children.
14 You are there to protect our assets, the
15 money.

16 MR. DONE: Understood.

17 MR. EVANS: Any further comments?

18 MS. NELSON: No, I was asking for
19 questions. I'm fine.

20 MS. NIKOLOVA: My comments will be
21 very brief just because the portfolio of
22 the infrastructure program is still in
23 very early stages. So where we are
24 today is that Teachers has committed 370
25 million to infrastructure across three

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2 managers. All of the managers are in
3 the Core part of the program as defined
4 by the IPS, which includes Core
5 strategies and the program was funded.

6 MR. AARONSON: Excuse me, are there
7 any remarks?

8 MS. NIKOLOVA: Sure, because there
9 are many pages. I wasn't going to go
10 through that. But if that is easier,
11 sure. Absolutely.

12 MR. AARONSON: So what page?

13 MS. NIKOLOVA: 59. So StepStone is
14 our new infrastructure consultants, so
15 that is the performance report that they
16 generate for us.

17 MR. AARONSON: Thank you.

18 MS. NIKOLOVA: What I was saying,
19 and you could find these on page 60, is
20 that Teachers has invested in three
21 managers on the top of the table and the
22 committed capital was 370 million. Of
23 that you would see the contributed
24 capital is about -- capital is about 48
25 million. So that emphasizes the point

1 Proceedings
2 of the portfolio is still running
3 construction, the managers are still
4 investing, they are early in their
5 investment periods. Our usual
6 investment period is one to five years.
7 So it takes a while to ramp-up. That is
8 why you are seeing still managers going
9 through that process.

10 If you look at page 61, you would
11 see the benchmark and the performance.
12 So the IRR is 8.2 percent which compares
13 to a benchmark of 5.9 percent. Again, I
14 would like to emphasize that it is early
15 so I don't want to mislead you. It
16 looks good, but it is early. So
17 hopefully it gets even better. And
18 that's the net return.

19 There is a section "Market
20 Overview," some of the major
21 transactions in the market. This leads
22 us to page 65. It really gives you data
23 points that there are no new
24 commitments, that there are no
25 subsequent investment commitments. It

gives you information of the cash flow, increase, decrease. Again, I don't think they are very meaningful because it is just volatility and they keep doing what they are doing.

You have again investment

On page 67 there is a vintage

If you go to page 68, you would see

Page 69 represents the cash flow

A lot of information on page 70.

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2 table already upfront.

3 And page 71 gives you the
4 geographic exposure to date which is
5 very highly focused on North America,
6 primarily the U.S. It is 77 percent.
7 This will change as well as funds
8 continue to invest.

9 And there is a checklist on page 73
10 which shows that the infrastructure
11 program is compliant with the IPS.

12 This concludes my remarks.

13 MS. MARCH: I want to start out by
14 thanking you. And I do clearly
15 understand your experience and how much
16 you know in the infrastructure area. I
17 don't know how long we've had an asset
18 on location for infrastructure.

19 MS. NIKOLOVA: Two years.

20 MS. MARCH: I think prior to that,
21 this board in total had education where
22 we brought in Canada, where we had -- at
23 least the Teacher trustees had
24 relationships with Australia. We would
25 really like to see this comptroller's

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2 office go in the direction of
3 infrastructure investments similar to
4 what Canada and Australia has done.

5 It is very true the managers, the
6 investment managers in this country,
7 have not produced products that we can
8 invest in and it does limit your ability
9 to bring us the products if they are not
10 doing it, but I think what I'm saying is
11 out there there are public funds that
12 have moved into infrastructure and their
13 model are not private equity models.
14 And you pay on the assets before they
15 are in the ground.

16 I would like to urge that we go
17 back to Borealis, that we do something
18 in a joint venture with them.

19 If this country -- if the
20 investment world in this country is not
21 moving in the direction that both those
22 entities have moved into, well, we can't
23 do it on our own. But we do have an
24 asset class. It is time to do it.
25 Let's have them in. You meet with them,

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2 see what we can do, and let's put
3 personalities aside. And understand we
4 want to make investments in
5 infrastructure that don't form the
6 private equity model, but instead form
7 the model that has been used in Canada
8 and Australia. We're ready. This board
9 has been ready even before we made the
10 allocation to this investment class.

11 MS. NIKOLOVA: So we know about
12 your desire and, as you hopefully know,
13 we have been looking for some of the
14 models like Borealis. We need to, they
15 have 50, 60 maybe 100 people now so it
16 is a different model.

17 And maybe now -- I know we are in
18 executive session and we are on the
19 record, but we have been talking
20 actively to --

21 MR. EVANS: We are in the public
22 session. You just said executive
23 session.

24 MS. NIKOLOVA: Yes, I'm not going
25 to give details -- right. Maybe I can

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2 talk a little bit about when we are in
3 an executive session. It may be better
4 suited there.

5 MS. VICKERS: Yes.

6 MR. EVANS: Let me just say, the
7 comptroller's office would be happy to
8 have a discussion with the Teachers'
9 board about what it would really take to
10 have the type of model you are referring
11 to, Sandy, that is practiced in Canada
12 and what changes need to take place. We
13 will be happy --

14 MS. MARCH: I don't know that we
15 have to change the model. If we can't
16 do it because of our present structure,
17 then let's give them the money to do it.
18 They know how to do it. Let them
19 present a product to us. We don't have
20 to do it inhouse. Let's allocate some
21 of our assets to them directly just as
22 we would do it to any one of our other
23 managers.

24 I understand the parameters that
25 you work under. I've been here for 30

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2 years. Comptroller's offices in the
3 City of New York, sometimes they have
4 limited, you know, parameters. We
5 understand that. But there is a place
6 that we can go just as we give our money
7 to an index money to manage our money
8 because we don't manage it inhouse. And
9 I know it cost us almost nothing to do
10 that. Let's see if -- that's what we've
11 been saying and nobody is hearing us.
12 We are not asking the comptroller's
13 office to all of a sudden wake up
14 tomorrow and have 100 employees, 30 of
15 them being able to handle
16 infrastructure. We are asking the
17 comptroller's office to seek the
18 Canadian system or the Australian system
19 and see if they are willing to take our
20 money and invest it until -- maybe they
21 can even invest it somewhere here in the
22 United States of America. They know how
23 to do the deals.

24 MR. EVANS: We'd be happy to
25 discuss this with you.

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2 MR. AARONSON: I think we have a
3 commitment of 2 percent of this asset
4 class, which is \$1.4 billion, the
5 current value of the assets of the
6 program. And we have less than 400
7 million invested over a two-year period.
8 We know there are organizations out
9 there that if we dealt with them, we
10 would be willing to co-invest, allow us
11 to co-invest with them at minimal fees
12 like the Australian account that we
13 already have where we are paying a
14 fraction of what we are paying to our
15 private equity partners in
16 infrastructure. And I think we should
17 look into that because it is available.
18 And they've reached out to us and we
19 have not responded.

20 MR. EVANS: We'll be happy to talk
21 with you after -- after the meeting.

22 MR. ADLER: I have a question. I
23 have a question on a different vein, if
24 that's all right.

25 We heard earlier from Martin about

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2 the impact of the precipitous drop in
3 oil prices on our high-yield portfolio.
4 I recognize we haven't made any
5 commitments yet, but I wonder if you can
6 talk about the energy part of the
7 infrastructure market and what the drop
8 in oil prices means both for traditional
9 energy and for renewables, if you have
10 some comments on that.

11 MS. NIKOLOVA: Sure, absolutely.
12 So to make it clear, we don't have any
13 exploration in our portfolios. So the
14 immediate impact of what's going on with
15 oil is on that part of the business. We
16 do have managers that do deals in
17 midstream, which means transportation,
18 storage, et cetera.

19 As we all know, the shaling
20 revolution in the U.S. has been really,
21 you know, money factoring renaissance.
22 A lot of job creation, huge impact on
23 different areas. So this has led to the
24 need in addition to exploration, we need
25 to transport the product. And this is

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2 where our managers, some of them have
3 been involved. The way they do that is
4 they have contracts. That's why it is
5 infrastructure, that's why this is not
6 private equity. So when you have
7 contracts with credit-worthy parties,
8 which means they went through credit
9 analysis, et cetera, they can withstand
10 any drop. These are the counterparties.
11 And we typically see contracts with more
12 than one counterparty so there is
13 diversification there.

14 So far to answer your question
15 directly, we have not seen any path in
16 the portfolio because the structures are
17 such that are exactly doing what they
18 are expected to do. Infrastructure
19 contracted long-term cash flows.

20 MR. GANTZ: I would also like to
21 clarify since we are in public
22 session -- without giving name of the
23 manager or specific securities, we'll
24 talk about that in executive session if
25 you wish. Just yesterday we met with

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2 one of our credit managers and talked
3 about this, exactly mirroring what Petya
4 is talking about.

5 While obviously they've gone down
6 the least, but those have long-term
7 contracts, long-term income and they are
8 part of the LMPs that have been issued
9 because people are looking for yields.
10 But that is probably one of the
11 healthiest areas in the energy sector.
12 Because even if the prices go down, it
13 still has to flow through the pipes.

14 MR. ADLER: Thank you.

15 MR. AARONSON: Okay. Anybody else
16 with a question?

17 MS. NIKOLOVA: Thank you.

18 MR. EVANS: That concludes our
19 quarterly report. And see if we have
20 anything else.

21 We are going to do the January
22 monthly review, so let us quickly turn
23 to the flip book, the color flip book
24 that we have every month. And I'll ask
25 you to turn to the performance page

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2 which is on page 37. Just quickly for
3 the month of January which was a down
4 month for the equity market, the
5 Teachers' portfolio was down 20 basis
6 points versus a benchmark policy
7 benchmark up 11. You can see two
8 columns over the fiscal year to date is
9 0.84 versus 1.45. We are continuing to
10 be in a period of up and down movements,
11 but basically flat markets. As you
12 know, February was stronger, but this
13 continuing chatter in the markets.

14 And if you turn to page 30, you can
15 see the current asset allocation
16 adjusted for funds that have been held
17 for private asset classes that we were
18 discussing earlier. You can see the
19 left of the chart, it is more or less at
20 zero. And this is what we are
21 attempting to do to be neutral relative
22 to our long-term policy mix, the board's
23 long-term policy mix. Fixed income on
24 the right we are a little underweight,
25 longer-term bonds Core Plus which end up

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2 to be intermediate on average, and we
3 are overweight in cash in gray which is
4 bonds that are less than four years in
5 term.

6 The mayor's office had asked that
7 we -- when we take a look at this sort
8 of intermediate structural positioning
9 being long cash and short Core Plus,
10 that we talk about the combined effects.
11 So what sort of interest rate
12 sensitivity that we have when we put
13 these two pieces together. We are
14 saying it is our goal to be about
15 neutral in interest rates sensitivity or
16 duration to the Barclays Aggregate
17 Index. And when you put these two
18 together, our duration in the blue box
19 and the gray box, the Core Plus Five and
20 cash, it is 5.73 versus a Barclays
21 aggregate of 5.55. So we are over in
22 terms of the duration. We are actually
23 getting a better yield, 262 versus 222.
24 So we are achieving, you know, what we
25 are attempting to do. We can even have

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2 a little bit more cash relative to the
3 Core Plus and we'll watch that and we'll
4 report to you on it, as long as we have
5 this structure in the portfolio.

6 Let me turn quickly to Martin to
7 give you the highlights of January.

8 MR. GANTZ: So, thank you, Scott.

9 January was a month similar to
10 December. Slight negative returns, so
11 let's go directly to it. If you take a
12 look at the returns for the month, turn
13 to page 29, the one with the bars. The
14 bar on the left shows the return minus
15 20 basis points. Bar in the middle is
16 the return fiscal year to date, which
17 through seven months January 15th for
18 the fiscal year was just under 1
19 percent.

20 If you turn back a page, there is
21 better news.

22 MS. MARCH: Thanks.

23 MR. GANTZ: I'm saving it. If you
24 turn back a page, page 27, you'll see
25 the drivers and what happened in January

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2 which is very similar to what happened
3 in December. The first page would show
4 the U.S. equity number, Russell 3000 was
5 negative 2.78. Interestingly, the next
6 set of numbers the non-U.S. was slightly
7 positive by less than 1 percent. On
8 what really drove the market and this
9 was really the story, the last section
10 of numbers on page 27, the Core Plus
11 Five was up nearly 2-1/2 percent because
12 interest rates significantly went down.

13 And that's why the TIPS market on
14 the next page was up over by 3 percent,
15 similar reason. High yield was up
16 slightly. That was partially duration
17 because they do have exposure to
18 interest rate risk even though the
19 spreads did widen.

20 The best performer you had by far
21 is towards the bottom on page 28, reads
22 labelled "DJ US Select Real Estate"
23 Fiscal Year to Date up 19 percent
24 through January, so now we are in early
25 March.

So I can give you a hint. In

If you take all that
her --

And you'll see on page 36 it is the
y numbers with the ten-year return
nearly 7 percent. We ran the

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2 numbers end of February, this is the
3 estimate part, and the 58.8 billion in
4 February because of those wonderful
5 numbers that you'll see officially next
6 month. But you are over \$60 billion for
7 the first time unofficially. We'll get
8 you the official numbers next month.
9 And the return is in the upper 3s,
10 probably close to 4. So the return was
11 less than 1 percent. Because of a
12 really good month, we got a really good
13 pop to get to our 7 percent in just one
14 month. So that's the information for
15 February.

16 The rest of the book shows
17 information for the programs and the
18 managers, unless there are questions.

19 MR. EVANS: Okay, that is it for
20 the January update. I'm now going to
21 ask you to turn all the way to the back
22 of the book. Start from the back page,
23 432, which highlights the potential
24 educational topics in consultation with
25 your consultant Rocaton we were teaming

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2 up with. And we'll discuss the
3 particulars of this in executive
4 session, but I just wanted to quickly
5 cover the various topics we can have in
6 our monthly meetings. Four different
7 topics on asset allocation, seven topics
8 on implementation on investment
9 structure, and then general topics are
10 behavioral finance and we can talk about
11 the specific sectors, if you like.

12 So we'll talk -- Rocaton will give
13 you a short presentation during
14 executive session and we can determine
15 sort of the batting order that you
16 prefer in terms of these. Some of these
17 will be delivered by Rocaton, some will
18 be delivered by outside firms. So I
19 wanted it to be responsive, particularly
20 to Charlotte's request, that we do this
21 monthly. And we have tee'd up a number
22 of topics for discussion.

23 If there are no questions in the
24 session, I'll turn it back and say we
25 conclude our remarks for the public

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2 session.

3 MR. AARONSON: Public session of
4 the QPP is finished and now moving into
5 the public session of the Passport Fund.
6 Mike Fulvio and Joe, and many of you
7 know Joe from having worked with him.
8 He is head of our asset allocation group
9 and he's been involved in helping with
10 the allocations over a time.

11 MR. FULVIO: With that, we'll dive
12 into the performance update. We
13 circulated ahead of time an electronic
14 version of the quarterly performance.
15 And because we presented this
16 performance for calendar year 2014 at
17 the last meeting, we weren't planning to
18 go through it in great depth, but we're
19 happy to answer any questions and
20 comments.

21 MR. AARONSON: Anybody?

22 MR. FULVIO: All right, we'll dive
23 right into the January performance
24 report. And I'm pleased to have handed
25 out and presented you with a new format.

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2 It is definitely a facelift on the old
3 report, but more than just format we
4 added additional metrics to this report
5 on risk and risk adjusted returns.

6 So happy to provide you with a
7 quick overview, that of which we'll be
8 seeing each month going forward. Want
9 to make sure this meets your needs, so
10 please give us feedback in this session
11 or offline in the future.

12 So on page 1 what we tried to do is
13 summarize upfront the Passport Fund.
14 And you can see on the top of the page,
15 diversified fund at the end of January
16 had about \$11 billion in assets. Just
17 below that you can see the underlying
18 composite that comprise this fund. If
19 you recall, 50 percent allocation to
20 passive U.S. equity strategies, 15
21 percent allocation to defensive
22 strategies, 20 percent to actively and
23 15 percent allocation to non-U.S.
24 entities.

25 And as you recall, the non-U.S.

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2 exposure is meant to be a diversifier
3 for this fund and potentially an
4 enhancer over long time periods.

5 So with that, the performance for
6 the month of January it is down 2
7 percent modestly trailing its hybrid
8 benchmark. And the return as a whole
9 trailed the non-U.S. equity markets -- I
10 am sorry, trailed the broad U.S. equity
11 market. The Russell 3000 Index, I'm
12 sorry, outperformed by about 79 basis
13 points for the month of January. So
14 where we've come in the past and for a
15 number of years now have been talking
16 about the performance drag that non-U.S.
17 markets have had on this portfolio,
18 we've seen some reversal in the month of
19 January. And you can see the non-U.S.
20 component were one of the few positive
21 components for the month of January.
22 And again it is largely over the past
23 few years, that is largely in part to
24 the currency effect on that exposure, so
25 you can see below that the passive

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2 exposure largely in line with its
3 benchmark, especially over the long
4 term.

5 The defensive strategies composite
6 which served its purpose this month as
7 well, positive to the tune of 40 basis
8 points again outperforming the defensive
9 strategies benchmark. And the active
10 component for the U.S. markets, you can
11 see lagging a little bit by 12 basis
12 points for the month.

13 So I'll -- we can go into a little
14 more detail on the diversified equity
15 fund, but I wanted to make my
16 summarizing comments on the other funds
17 before we dive in a little bit deeper.
18 The bond fund you can see returned
19 nearly 1 percent for the month and that
20 was in line with its benchmark. The
21 International Equity Fund again I noted
22 positive returns, although lagging on a
23 relative basis. M-I-S-C fee was up half
24 a percent.

25 MR. AARONSON: Do you think that

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2 might be due to the equity,
3 International Equity Fund has some
4 emerging markets in them and they didn't
5 do as well in January as the MSI?

6 MR. FULVIO: That's correct. Their
7 managers are permitted to make model
8 allocation in their markets. And one of
9 the things that you might recall
10 discussed late last year was the
11 addition to dedicated emerging market
12 managers that will be added to the
13 program. And with that, we will be
14 making changes to the variable
15 International Fund benchmark to reflect
16 those allocations. The Inflation
17 Protection Fund, you can see there are
18 assets of about \$43 million. Positive
19 return for the month, 85 basis points
20 trailing its benchmark return of 1-1/4
21 percent. And just below that the
22 Socially Responsive Equity Fund down
23 about 2.3 percent, outperforming the S&P
24 Index for the month. That fund you can
25 see as well is garnered assets and is

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2 close to the International Equity Fund
3 also at about \$100 million.

4 If there are no questions, I'll
5 spend a couple of moments diving into
6 the report a little bit just to show you
7 some of the new features, if you will,
8 at the request of the board.

9 Page 2 you'll notice information,
10 we are showing information ratios in
11 many cases, the active managers as well
12 as passive managers. And information
13 ratios are measured risk-adjusted
14 performance. We are adjusting the
15 manager's relative returns and the
16 volatility of those relative returns
17 over time. And we tend to do that for
18 longer-term time periods to avoid focus
19 on any of the short-term time periods.

20 One of the other things that we do,
21 you can see on page 3, is for the
22 defensive strategies composite where we
23 show additional information on the right
24 of the page we are showing analyzed a
25 measure of volatility. And we feel that

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2 is appropriate measure to include here
3 given the objective of this composite to
4 offset or help protect the fund in
5 volatility or down-market environment.

6 You can see towards the bottom of
7 the page the first bold arrow for the
8 defensive -- the volatility over the
9 five-year time period for this composite
10 was just shy of 8 percent. And a couple
11 of lines below that, volatility of the
12 U.S. equity markets is over 13 percent.

13 So there was, as you can see,
14 some -- it is doing its job. There is
15 some protection here relative to the
16 broad U.S. equity market. And if you
17 would look to the left for a few -- a
18 couple of columns, actually the
19 five-year column showing the performance
20 for this fund, you can see that
21 obviously this fund in an upmarket for
22 the U.S. equity markets to the tune of
23 16 percent. This fund did lag that, but
24 was returning about three-quarters of
25 the return of the U.S. equity market

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2 with substantially less volatility. So
3 it is performing as we expect, so we
4 thought it would be helpful to add these
5 volatility measures for that fund.

6 MS. BEYER: I do have a question,
7 Mr. Chairman.

8 Can you give in simple English a
9 definition of in what context -- I can
10 see the context for standard. I know
11 information ratio is quite technical.

12 MR. FULVIO: Think of the
13 information ratio as the unit of excess
14 return that the manager is performing at
15 for each unit of risk it is taking
16 relative to its benchmark.

17 MS. BEYER: And why is it not just
18 as easy to use the standard deviation
19 against the benchmark, you know, have
20 the benchmark standard deviation and
21 then the fund standard deviation? Why
22 are we taking information ratio? I know
23 the academics like it better, but why do
24 we like it better?

25 MR. FULVIO: You would generally

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2 expect over time the manager's portfolio
3 might have less volatility than the
4 other equity markets. But I think in
5 the case of managers, they're being
6 compensated for providing excess return,
7 the tracking allows you to see the
8 volatility of those excess returns
9 relative to the benchmark and it helps
10 kind of focus a little.

11 So why we think it is a good tool
12 is when -- over long-term time periods
13 when you see negative information
14 ratios, it is a sure signal that the
15 managers, you know, might have some kind
16 of issue that we want to bring to their
17 attention that we are reviewing them and
18 spending more time on.

19 MS. BEYER: So why do we see that
20 in a context, a larger context? What is
21 the range of the ratio, how good and how
22 bad is it? The dancing diamonds is what
23 I'm talking about? The dancing diamonds
24 that are on the information ratio.

25 MR. FULVIO: Information ratios

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2 will vary depending on the type of
3 strategy that you are looking at. So
4 you might not expect that U.S. equities,
5 for example -- which is a large but very
6 well-followed market where it is harder
7 to seek out excess return, if you will,
8 you might expect it to be more difficult
9 so you have a lower return. Where in
10 U.S. markets, you might expect a higher
11 risk adjusted return. So what we'll do
12 overtime is we will use these metrics to
13 evaluate them relative to what we are
14 expecting. And what is not on this page
15 is the expectations for each manager,
16 but we will include that as part of our
17 review of the strategies.

18 MS. BEYER: And some sort of
19 context than is larger than the fund and
20 the index I think might be helpful.

21 MR. FULVIO: On the metrics itself?

22 MS. BEYER: Yes, a range in that
23 particular arena.

24 MR. FULVIO: So the fund as a whole
25 given its nature being mostly passive,

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2 we would expect over time the volatility
3 of the fund's excess returns relative to
4 its benchmark to be very narrow. This
5 fund does not take a lot of active risk
6 and because of that the excess returns
7 which can be cyclical over time, the
8 volatility of those excess returns again
9 being narrow, you know, you will see
10 more pronounced moves in the information
11 ratio of the fund.

12 So we would like to kind of -- we
13 like to think of this fund as having an
14 expected tracking error. That is the
15 denominator in that information ratio
16 metric. We would like to see it within
17 2 percent. So you'd expect over time
18 two-thirds of the -- for this fund, that
19 the fund would have performed plus or
20 minus within 2 percent of its benchmark.
21 And the information ratio is helping
22 highlight whether or not it's performing
23 within those expectations.

24 MS. BEYER: Maybe we can zero in on
25 the middle of page 3 on BlackRock. And

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2 the information ratio is an eye-popper
3 compared to the other managers and yet,
4 as I would understand it, it is passive.

5 MR. FULVIO: That's right.

6 MS. BEYER: So how it -- it doesn't
7 make any sense to me. That's what I
8 meant by in context --

9 MR. FULVIO: You have to take each
10 manager in the context of its strategy.
11 So BlackRockn this is an index fund. So
12 they are seeking to perform in line with
13 non-U.S. markets with very little
14 volatility in their performance around
15 that benchmark. So the volatility of
16 this strategy has been particularly low.
17 But at the same time you'll also notice
18 for the three-year period, this
19 particular strategy it outperformed by
20 23 basis points. So because the
21 volatility denominator is very low and
22 the information ratio calculation here,
23 that information ratio is a lot higher
24 given that it has added value.

25 MS. BEYER: I'm not sure I got

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2 that. I don't want to take any more
3 time.

4 MR. NANKOF: Joe Nankof,
5 N-A-N-K-O-F, one F.

6 So an index fund tracks the
7 benchmark very closely over time. So
8 the risk relative to the benchmark
9 is -- what we are dividing by is very
10 close to zero. So it's added 23 basis
11 points over this period, three-year
12 period we are looking at, which is high
13 relative to the risk it is taking.
14 That's all it is saying and that's -- so
15 you are getting paid; you've gotten a
16 lot of excess return.

17 MS. BEYER: Which is why I was
18 underscoring the need to look at
19 context. Because this makes you look
20 and say wow, that's fantastic and it
21 really isn't all that fantastic.

22 MR. NANKOF: That is a fair
23 conclusion. So we would say over a long
24 period of time if you can get something
25 like .25, 1 quarter the return per unit

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2 of risk for diversified portfolio, not
3 for a single manager but for diversified
4 portfolio, you're doing very well.

5 MS. BEYER: More importantly,
6 having a negative information ratio over
7 a three, five, ten-year period would be
8 cause for some concern; is that correct?

9 MR. NANKOF: It is. But again
10 taken in the context of the diversified
11 equity fund over -- certainly over the
12 three and five-year period, given the
13 tremendous bull market we've seen in the
14 U.S. and given that this fund has
15 allocations to non-U.S. markets -- but
16 when the U.S. market is the only place
17 to be really for that period, you'd
18 expect that you'll underperform. If you
19 look over a period where there is more
20 balance globally, then hopefully we'll
21 expect to see positive numbers. So we
22 try to evaluate the results numerically
23 in the context of the market
24 environment.

25 MS. BEYER: So we are taking

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2 information ratio of our defensive
3 managers and putting them in that total
4 even though we are not showing them on
5 this report for three, five and ten
6 years?

7 MR. NANKOF: It includes all.

8 MS. BEYER: The question is: How
9 much of an impact are they having --

10 MR. AARONSON: This is a great
11 question for one of our educational
12 programs.

13 MS. BEYER: Yes. Thank you. I've
14 taken enough time.

15 MR. NANKOF: We'll take that up at
16 another meeting.

17 MS. BEYER: Thank you.

18 MR. AARONSON: What are we up to?

19 MR. FULVIO: That is the
20 performance on January. I know Martin
21 gave a quick update for February and how
22 it impacts these strategies. The broad
23 market was up nearly 6 percent, the MS
24 was up about 6 percent so we'll expect
25 pretty strong returns for the month of

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2 February.

3 You can see the defensive
4 strategies benchmark. The defensive
5 strategies benchmark was up close to 4
6 percent. So even though it lagged the
7 U.S. equity markets, it did have a
8 pretty reasonable return for the month.
9 And you can see below that diversified,
10 again, that is a rollup of the
11 underlined. Up about 5-1/2 percent, so
12 we'll expect to see the fund up in
13 that month. And you can see it for the
14 other strategies, decent returns with
15 the exception to the bond fund.

16 MR. AARONSON: I don't know who was
17 responsible for this great month of
18 February, but the Teachers of the City
19 of New York thank you very much.

20 MR. FULVIO: We won't take all the
21 credit.

22 MS. MARCH: But this is the
23 variable. I know I'm teasing.

24 MR. FULVIO: If there are no
25 questions on February we can -- that

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2 would conclude the comments.

3 MS. MARCH: Only can we repeat it
4 in March?

5 MR. FULVIO: Just for what it is
6 worth, through yesterday's close stock
7 markets were down by about 30 basis
8 points. But it is early.

9 MR. AARONSON: Does that
10 conclude --

11 MR. FULVIO: That concludes our
12 comments for the public session.

13 MR. AARONSON: So that concludes
14 the public session and we're going to
15 go --

16 MS. VICKERS: I'm sorry, if I may,
17 before we break, Chris Pak is here and
18 has an answer to what was brought up
19 earlier regarding the AFL-CIO.

20 MR. PAK: And I would just like to
21 add context. So we met with them
22 actually last month, February. And we
23 are in regular contact with them both on
24 the phone and in person. We make up
25 about 13 percent of their mutual funds,

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2 so every time they are in New York they
3 try to meet with us. So we are in
4 constant communication with them.

5 MR. AARONSON: Thank you.

6 MS. MARCH: Thank you.

7 MR. AARONSON: Okay. So now I
8 think before we switch to executive
9 session, we take a 7-1/2 minute break.

10 MS. MARCH: Why don't we go into
11 executive session for discussion
12 regarding the purchase and sale of
13 securities and an update on specific
14 investment managers.

15 MR. AARONSON: Is there a second to
16 that motion?

17 MS. BEYER: Second.

18 MR. AARONSON: Motion has been
19 seconded. Any discussion?

20 Seeing no discussion there is
21 readiness to vote. All in favor.

22 MR. ADLER: Aye.

23 MS. VICKERS: AYE.

24 MR. AARONSON: Any opposed?

25 The motion carries and we are now

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2 in executive session. And after doing
3 that, we can now take a 7-1/2 minute
4 break.

5 (Recess taken.)

6 MS. MARCH: I move that we go out
7 of executive session, back into public
8 session.

9 MR. AARONSON: Is there a second?

10 MS. VICKERS: Second.

11 MR. AARONSON: All in favor say
12 aye.

13 MR. ADLER: Aye.

14 MS. MARCH: Aye.

15 MS. VICKERS: Aye.

16 MR. AARONSON: We are now in public
17 session. And the first item in public
18 session is going to be a review of what
19 we did in executive session.

20 MS. STANG: In the executive
21 session for the pension fund, one
22 manager update was presented.

23 An infrastructure investment was
24 presented and discussed. Consensus was
25 reached, which will be announced at the

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2 appropriate time.

3 Two real estate investments were
4 presented and discussed. Consensus was
5 reached on one of the investments, which
6 will be announced at the appropriate
7 time.

8 A presentation on the allocation
9 between different cap size sectors in
10 the domestic equity market was received.
11 Consensus was achieved, that will be
12 announced at the appropriate time.

13 A presentation on a specific
14 passive international account was
15 received. Consensus was achieved, which
16 will be announced at the appropriate
17 time.

18 There was a discussion of the plan
19 for future trustee education sessions.

20 MR. AARONSON: Anybody else have
21 anything you want to add, say or do?

22 Do I hear a motion to adjourn?

23 MS. MARCH: So moved.

24 MR. BROWN: Second.

25 MR. AARONSON: Any discussion? No

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2 discussion.

3 All those in favor of adjourning
4 say aye.

5 MR. ADLER: Aye.

6 MS. MARCH: Aye.

7 MS. STANG: Aye.

8 MR. BROWN: Aye.

9 MS. VICKERS: Aye.

10 MR. AARONSON: We are adjourned.

11 (Time noted: 3:40 p.m.)

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2 C E R T I F I C A T E

3 STATE OF NEW YORK)

4 : ss.

5 COUNTY OF RICHMOND)

6

7 I, CHARISSE ROMEO, a Notary Public

8 within and for the State of New York, do

9 hereby certify:

10 That the above proceedings are a

11 true record.

12 I further certify that I am not

13 related to any of the parties to this

14 action by blood or marriage, and that I am

15 in no way interested in the outcome of

16 this matter.

17 IN WITNESS WHEREOF, I have hereunto

18 set my hand this 9th day of March, 2015.

19

20

21 _____
22 CHARISSE ROMEO

23

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