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NEW YORK CITY TEACHERS RETIREMENT SYSTEM

INVESTMENT MEETING

Held on

Thursday, October 6, 2011

at

55 Water Street

New York, New York

ATTENDEES:

MELVYN AARONSON, Chairperson, Trustee
NELSON SERRANO, Teachers Retirement System
LARRY SCHLOSS, Comptroller's Office, Trustee
RANJI NAGASWAMI, Office of Management and Budget
SANDRA MARCH, Trustee
MONA ROMAIN, Trustee
THAD McTIGUE, Comptroller's Office
MARTIN GANTZ, Comptroller's Office
YVONNE NELSON, Comptroller's Office
MARC KATZ, Teachers' Retirement System
JOEL GILLER, Teachers' Retirement System
SUSAN STANG, Teachers' Retirement System
ROBERTA UFFORD, Teachers' Retirement System
RENEE PEARCE, Teachers' Retirement System
ROBERT C. NORTH, JR., Actuary
INGA VAN EYSDEN, Corporation Counsel
ROBIN PELLISH, Rocaton
MICHAEL FULVIO, Rocaton
PAUL RAUCCI

1 P R O C E E D I N G S

2 (9:59 a.m.)

3 CHAIRMAN AARONSON: Mr. Serrano, please call
4 the role.

5 MR. SERRANO: We will begin the
6 Investment Committee Meeting of the Teachers'
7 Retirement System by calling the roll.

8 Chairman Aaronson?

9 CHAIRMAN AARONSON: Here.

10 MR. SERRANO: Kathleen Grimm?

11 She is not present at this time.

12 MR. SERRANO: Sandra March?

13 MS. MARCH: Present.

14 MR. SERRANO: Ranji Nagaswami?

15 MS. NAGASWAMI: Present.

16 MR. SERRANO: Lisette Nieves?

17 I understand she is not available
18 today.

19 Mona Romain?

20 MS. ROMAIN: Present.

21 MR. SERRANO: Larry Schloss?

22 MR. SCHLOSS: Present.

23 MR. SERRANO: We do have a quorum
24 and you may proceed.

25 CHAIRMAN AARONSON: Before we go

1 into any formal business, I just want to
2 express the condolences of the Board to Ranji,
3 since you have your loss. We are very, very
4 sorry. Please accept our deep condolences and
5 sympathy as a Board.

6 So now we are ready for the first
7 part of the public session, which will be the
8 report on the variable program.

9 MS. PELLISH: I think everyone
10 should have the August report. We are going
11 to talk about performance for the past quarter
12 and Michael Fulvio will talk about
13 performance.

14 MR. FULVIO: We will begin with the
15 August 31st Performance Flash Report. You
16 will note down towards the bottom of the page,
17 the total assets at the end of the month of
18 August were roughly 9.3 billion dollars, down
19 from nearly 10 billion dollars at the
20 beginning of the month. The rebalancing
21 process has served to keep the composite
22 generally in line with their targets during
23 the month.

24 One other item I would like to note,
25 the BlackRock MSCI EAFE Index line item under

1 international, there is 428 million dollars
2 reflected in fixed income assets, which is
3 incorrect. It should be reflected as equity
4 assets. I just wanted to call that to your
5 attention.

6 If you please flip to page 2, and
7 actually towards the bottom of page 3, you
8 will find the total fund return for the equity
9 fund for August, which is down six percent,
10 roughly in line with the Russell 3000 Index.
11 The strategy had performed roughly in line
12 with that benchmark and is still slightly
13 ahead for the calendar year to date, and it is
14 ahead 7.13 percent for 12 months trailing at
15 the end of August.

16 A few items to note. The diversified
17 equity fund has targets to what we are refer
18 to as defense strategies and these serve to
19 protect the fund in down market periods. You
20 will note for the month of August, the
21 defensive strategies composite was down two
22 and a half percent versus the broad U.S.
23 Equity market, which was down six percent.
24 And over the year to date period, defensive
25 strategy has added over three and a half

1 percent, versus the Russell 3000 which was
2 down nearly two and a half percent, so it is
3 certainly serving the purpose of providing
4 that down market protection.

5 The main reason for what might
6 otherwise be a little bit stronger performance
7 in the equity fund was some weakness in the
8 non-U.S. Equity market. As you will recall,
9 the fund does have an allocation in non-U.S.
10 Equity, and the non-U.S. Equity market which
11 is measured by the MSCI EAFE Index, was down
12 roughly nine percent, versus the U.S. at six
13 percent for the month. So that has detracted
14 to a certain degree.

15 MS. NAGASWAMI: Mike, just as a
16 reminder, the managers are fully invested.

17 MR. FULVIO: That's correct. They
18 purchase all equities in a low beta style, and
19 in doing so for the month have actually served
20 their purpose and significantly outperformed
21 their benchmark, the Russell 1000 Index and
22 they have added roughly over five percent for
23 each of them.

24 Now, if there are no questions, I
25 will move on to Variable C, D and E, the other

1 Performance Flash.

2 Starting with Variable C, the
3 International Equity Fund, at the end of the
4 month of August approximately 71 million
5 dollars in assets. The fund for the month was
6 down roughly 9 percent, in line with its
7 benchmark. Although it is worth pointing out
8 that for the one-year period ending August
9 31st, the fund is still up 11.25 percent.

10 Again, I want to point out one other
11 item. The BlackRock MSCI EAFE Index Fund, was
12 funding during the month of August.

13 If you will please flip to the
14 section on the Inflation Protection Fund,
15 Variable D, roughly 23.5 million dollars at
16 the end of August. The fund was down roughly
17 two percent for the month of August, though
18 still up approximately 7.8 percent for the
19 month.

20 The Socially Responsive Equity Fund,
21 Variable E, approximately 24 million dollars
22 at the end of August. And though it was down
23 five and a half percent roughly for the month,
24 it is still up 20 percent for the one-year
25 period ending August 31.

1 Are there any questions.

2 MS. PELLISH: I just want to call
3 everyone's attention to a topic we are going
4 to be discussing in more detail in executive
5 session, and to ask everyone, on page 2, to
6 look at manager performance since inception
7 and look at the AllianceBernstein
8 International Value product, which has lagged
9 its benchmark since the inception of this
10 account by over five percent at one point on
11 an annualized basis. We will turn back to
12 this topic in executive section.

13 MR. FULVIO: With that, if there are
14 no questions, we will move on to quickly
15 review the September Preliminary Summary
16 Performance Report.

17 The first thing worth noting is the
18 Russell 3000 Index which serves as a
19 representation for the broad U.S. equity
20 market was down roughly seven and
21 three-quarters for the month of September.
22 That brings the calendar year-to-date return
23 down to approximately 10 percent.

24 In contrast, the Barclays Aggregate
25 Index, which reflects the broad U.S. fixed

1 income market, was up approximately
2 three-quarters of a percent. For the
3 year-to-date, it is up nearly six and
4 three-quarters percent.

5 The MSCI EAFE Index, which is a
6 representation of the non-U.S. developed
7 equities market is down approximately nine and
8 a half percent for the month of September and
9 year-to-date is down nearly fourteen and a
10 half percent.

11 The Diversified Equity Fund Hybrid
12 Benchmark which roughly reflects the target
13 weight of the Diversified Equity Funds, is
14 down approximately seven percent for the
15 month.

16 The PIMCO All Asset Fund has trailed
17 its TIPS benchmark, though not necessarily the
18 stated objective of the fund. The fund does
19 continue to slightly outperform CPI.

20 The Neuberger Berman Socially
21 Responsive Fund slightly underperformed its
22 benchmark, the S&P 500 Index Fund, and you can
23 see for the one-year period trailing September
24 was roughly flat.

25 MS. NAGASWAMI: Robin, given the

1 increase in equity volatility assumptions, do
2 you have any thoughts on the 70, 15, 15, the
3 weights within the diversified clients, should
4 the defensive component be reconsidered, given
5 that all is now restructuring is a little bit
6 higher? Is that something to think about?

7 MS. PELLISH: Yes. Periodically we
8 review that target allocation. At one point
9 years ago, this was at 25 percent. It was
10 moved down because we decided we wanted closer
11 to one beta in the portfolio. But I think
12 those kinds of issues are always worth
13 considering, particularly in this kind of
14 environment.

15 CHAIRMAN AARONSON: Any other
16 questions?

17 (No response.)

18 CHAIRMAN AARONSON: Does that
19 complete your report?

20 MS. PELLISH: Yes, it does.

21 CHAIRMAN AARONSON: So we can now
22 move to the public portion of the pension
23 fund, please, Larry.

24 MR. SCHLOSS: Does everyone have the
25 monthly performance review?

1 If I sound like I am yelling, my ears
2 are stuffed from an airplane ride, so I might
3 sound loud but I don't hear any of you, so
4 yell at me. If I keep talking, it is not
5 personal.

6 I will go through the economic stuff
7 pretty quickly. As everyone knows, we seem to
8 have hit an air pocket here in the U.S.
9 economy with unemployment stubbornly high.
10 And I draw your attention to page 8.

11 Page 8 is sort of a new addition to
12 the slide packet and it shows recovery since
13 1980, and we are the blue line, which is since
14 June '09, and you see the blue line is not
15 going anywhere. And that's our jobs problem.
16 And the fact that it lags all these other
17 recoveries means we really do have a problem.
18 And as much as Washington says they are
19 working on it, they actually need to really
20 work on it, otherwise, there is only so much
21 the fed can do. But this is the number one
22 problem with the economy.

23 And if you go to page 9, you can see
24 it is weighing on the consumer, so consumer
25 confidence is collapsing, which is sort of

1 self-fulfilling, it is a very viscous circle.

2 Similarly, if you go to page 11,
3 again, I draw your attention to the blue line.
4 Usually in recoveries, housing recovers and
5 construction recovers, and we see here housing
6 prices here continue to go down because of the
7 overhang because of mortgages, so we are
8 really in a very precarious place in the
9 economy.

10 I think the ball now is clearly in
11 Washington's court. You have the budget
12 deficit and the deficit reduction plans and
13 the downgrades that happened during the
14 summer, so the U.S. is kind of in a bad place.
15 Europe, as we know, is also in a very, very
16 bad place. Unlike the U.S. Government, that
17 at least back in '08 could deal with things
18 over a weekend and come back and try something
19 different, 17 countries just don't get
20 together in a meeting, and this drag is very
21 much weighing on the Euro, the markets in
22 Europe, it has a still-back effect on markets
23 in the United States.

24 The problem with the banks in Europe,
25 because the sovereigns are bad and they all

1 own sovereigns, and that's also bad. And I
2 will get back to you in a second on what we
3 have done about that, but if you quickly look
4 on page 19, it is all the way at the end, but
5 slowly, as much as this is a very bad dollar
6 decline over time and we have to do things in
7 our portfolio to deal with that, over time the
8 dollar has gotten stronger, there has been a
9 huge flight to quality.

10 You can see it more graphically on
11 page 20. You can see the Euro was stubbornly
12 sticking at 136, 137. It is now at about 133
13 and it is working its way down.

14 One of the most important charts is
15 on page 21, the VIX. You can see it is back
16 to where it was.

17 MS. ROMAIN: Larry, just one moment.
18 I can't find it.

19 MR. SCHLOSS: Sorry, it is these
20 numbers.

21 It just the big number. Page 21, the
22 VIX. Volatility is back because the markets
23 are getting whipsawed between what goes on in
24 Washington and what doesn't go on in Europe,
25 and the combination is humongous anxiety, and

1 anxiety is not a good thing for any market,
2 particularly volatile things like equity
3 markets.

4 If you look on page 22, recently the
5 fed came out with Operation Twist. The design
6 of Twist is to get long rates down. They
7 managed through QE-2 to get the shorter rates
8 down, the relevant line is the white line. So
9 if you look at the white line out 20 to 30
10 years, it is above the worst of the worst in
11 '08. The feds are going to try to recycle the
12 shorter term money and buy longer term bonds
13 and bring that back down. The theory is
14 pretty straightforward, if bring down those
15 rates, people can refinance mortgages.

16 Investors don't like low rates, they are going
17 to look for more risk, and ultimately it will
18 cycle back putting risk into the stock market.

19 The stock market didn't like it very
20 much, the stock market went down five percent,
21 so it was a little lost in the translation,
22 but I think the stock market is much more
23 reactive on a speech-by-speech basis on what
24 is going on in Europe.

25 It has had, however, the desired

1 effect. If you look on page 23, the ten-year
2 rate collapsed, it is now about 1.85, which is
3 an absurdly low rate if you think about it as
4 to what it really means. But, again, the
5 market is being led by what the fed does and
6 there is no reason to fight the fed.

7 That said, if you look on 24, risk is
8 off, people are afraid as to what the European
9 action really means, so the spreads have
10 widened on risky things. You can see the high
11 yield market is completely backed up. It is
12 good that we sold high yield bonds earlier in
13 the year but the risk premiums are expanding
14 again, in addition to the volatility, which is
15 a pretty wicked combination.

16 Having said that, if you go to page
17 26, Corporate America, which is again the blue
18 line here, is making a lot of money, so it is
19 not like it was at the end of the '80s. So
20 they have a lot of cash, they are making a lot
21 of money. All is good. They are just anxious
22 because it is not clear what comes out of
23 Washington for a deficit reduction package,
24 and as a result, they are not quite sure what
25 to invest in because the tax rates are now

1 uncertain. So they are sitting on cash, which
2 is the bad news. The good news is at some
3 point the cash gets reinvested, either in
4 acquisitions or a productive capacity. When
5 it finally gets invested in a productive
6 capacity, it will create jobs. That's the
7 theory.

8 If you look on page 27, you can see
9 the equity markets are on a forward basis
10 cheap, but, again, there is so much
11 uncertainty, it is not, in our opinion, the
12 right time to take advantage of that. Fear
13 has overwhelmed cheapness. Again, it is all
14 focused or predominantly focused on Europe.

15 If you look on 28, you can see U.S.
16 market again are cheap, but I will tell you
17 forward earnings are being revised downward.
18 Again, if you go back to the beginning of the
19 year, we are talking about three and a half
20 percent growth and one-and-a-half percent
21 growth, now people are talking about flat.
22 All that is not in the projected EPS, so my
23 guess earnings will go down in multiples and
24 will come back up a little bit.

25 If you look on 29, you will September

1 was an awesomely bad month, and combined with
2 August, once we get through some of these
3 numbers, the equity markets have been very
4 volatile and downwardly positioned.

5 How has that affected Teachers? If
6 you look on page small number 31, you can see
7 we have come off the high at the end of the
8 year \$40.8 billion, with \$40 billion rolling
9 forward to September. Again, still better
10 than where we were a year ago. We are still
11 up, but, again, getting whipsawed by the
12 volatility.

13 Page 33, you can see the old asset
14 allocation, and we are in the process of
15 redoing everything. Switching from page 33 to
16 page 34, you will see on page 33 we have a lot
17 of cash. We have added to the cash in
18 September. We are trying to get ahead of
19 volatility, particularly since we are in the
20 process of switching from pages 33 to 34. We
21 think particularly because we have changed our
22 asset allocation and we are developing a plan
23 as they go from again the old asset allocation
24 to the new asset allocation, that it was
25 prudent in light of the volatility to not

1 store our cash which we are going to move into
2 equity markets, so we have built our cash.

3 In the future as we redo the IPSs or
4 new asset allocation and for the new
5 rebalancing ranges, which we will talk about
6 later in the public session, we will redo the
7 cash section of that. Although I think it is
8 consistent with the spirit of the IPS. We
9 will come back to that as we get to the new
10 rebalancing ranges.

11 MS. NAGASWAMI: The range, though,
12 now is less than one percent, so it is not --
13 you don't have a range in cash as you do for
14 the others. But, in fact, the IPS says no
15 more than one percent.

16 MR. SCHLOSS: That is not quite what
17 it says. It says for liquidity purposes, it
18 shouldn't be more than one percent. You are
19 allowed to move within the rebalancing range,
20 and you are allowed to be prudent in what you
21 do to the extent you are reacting to the
22 markets. The one percent limit is only for
23 liquidity; it doesn't govern the spirit of the
24 IPS.

25 MS. NAGASWAMI: We will talk about

1 that when we talk about rebalancing because
2 that's not my reading.

3 MR. SCHLOSS: Okay, just so we are
4 clear, we are going to redo the IPS for the
5 new asset allocation, the new rebalancing
6 ranges, and we will revisit exactly what it
7 says about cash.

8 In any event, you can see that we
9 have a lot of work to do when markets calm
10 down. Going from page 33, asset allocation,
11 to page 34, asset allocation. So I think
12 having the excess cash, you can't make moves
13 now with the markets as uncertain as they are
14 because there is tremendous downside in the
15 European situation. If you were to do a scan
16 of the news, you would find word "depression"
17 showing up every now and then. Not that I
18 think we are going into a depression or we are
19 going to get a depression, but there are
20 moving parts of Europe that can get totally
21 out of whack, which will be devastating on the
22 portfolio. I don't think it will happen, but
23 there is major uncertainty out there, so I am
24 a believer in conservative prudence will make
25 money in the long run. So having a little

1 extra cash is a good thing.

2 If you go to page 36, you can see
3 August we lost about 4 percent. All things
4 considered, that actually wasn't so bad.
5 Again, it was the green and yellow, so the
6 equities, and they will continue to drag us
7 down in September. Again, I think markets
8 will be up and down until they sort out
9 Europe, which we will see when that happens.

10 If you look on 37, you can see how
11 bad the markets were. Halfway down six to
12 eight percent in the United States, seven to
13 almost ten percent in Europe. The high yield
14 markets back up three or four percent,
15 Treasuries went up.

16 I don't think we have any specific
17 manager issues to talk about, Ranji.

18 Martin, do you have anything specific
19 to managers to talk about?

20 MR. GANTZ: We will be talking about
21 certain manager items in the executive
22 session.

23 MR. SCHLOSS: Okay.

24 That's ends our discussion on the
25 month of August. The month of August, again,

1 is overwhelmed by the month of September, so
2 we are starting the year with a first quarter
3 behind us and down, so we have nine months to
4 get back on track.

5 Any questions about that?

6 (No response.)

7 CHAIRMAN AARONSON: Seeing none, we
8 will go on to the next item.

9 MR. SCHLOSS: The next item is
10 rebalancing ranges. I guess I will hand it
11 over to Robin.

12 MS. PELLISH: Thank you.

13 There are slides in the book that
14 were sent out by the Bureau of Asset
15 Management, and I think it starts on about
16 page 56. And the rebalancing ranges, as Larry
17 mentioned, are ranges that are necessary to
18 enable BAM to implement asset allocation that
19 was approved several months ago by the Board.
20 And these will be included in the updated
21 investment policies statement. So the purpose
22 of a rebalancing range is to recognize that
23 for a variety of reasons the fund will
24 virtually never be exactly on target, whether
25 it is because of market value moves, whether

1 it is because of implementation, recently
2 terminated a manager or about to invest in
3 another manager, or because of a view on where
4 you want to be within that range. So it is
5 important to have explicit ranges around a
6 target so that BAM can operate within the
7 spirit and letter of the IPS, while
8 recognizing that there virtually will never be
9 exactly a target.

10 There are a variety of ways to
11 develop rebalancing ranges. We use an
12 algorithm, which takes into account three
13 important factors. First, volatility; second,
14 correlation; and, third, transaction cost.
15 And these are described on page 2. I will
16 spend a minute talking about how we think
17 about each of those factors contribute to
18 development of a rebalancing range.

19 The first, volatility, the more
20 volatile an asset class is, the narrower the
21 rebalancing range, and that is because the
22 greater volatility that is associated with a
23 particular asset class, stocks, for example,
24 the greater impact that asset class can have
25 on the performance of total fund. Therefore,

1 the closer you want that risky asset to be to
2 its target.

3 Secondly, correlation. The lower the
4 correlation of an asset class, again, all else
5 being constant, the narrower the rebalancing
6 range. Again, if an asset class has
7 significant diversification benefits because
8 it has a lower correlation to other asset
9 classes, you want to make sure that it doesn't
10 get significantly below target. So we narrow
11 the range around which rebalancing has to take
12 place.

13 And then, finally, transaction cost.
14 The higher the transaction cost for any given
15 asset class, again, all things being constant,
16 the wider the range, because you want to make
17 fewer trades. So we take all these
18 characteristics into consideration and we use
19 out capital market assumptions, which are on
20 page 4 of this handout and we develop
21 rebalancing ranges for the public market asset
22 class. And those are listed on page 3.

23 A couple of other important points.
24 There are asset classes which are used as
25 place holders for unfunded commitments to

1 private market asset classes, such as real
2 estate and private equity. And as those
3 commitments are made and commitments are
4 funded, you want to have a series of interim
5 target allocations so that you can reflect
6 movement towards the final target.

7 Then, finally, you will see we don't
8 have rebalancing ranges for private asset
9 classes such as equity and real estate and
10 even opportunistic fixed income, because you
11 can't really trade in and out of those asset
12 classes, so you need to be mindful of how you
13 are moving to target, you need to be mindful
14 of where you are relative to the target,
15 because to pretend that we can actually trade
16 in and out of a rebalancing range for those
17 asset classes, I think is misleading.

18 So on page 3, I will walk through
19 some of these numbers. The largest target
20 allocation is public U.S. equities. It is a
21 long-term target allocation, 31 percent. And
22 all of these rebalancing ranges are
23 symmetrical, so what we are saying is the
24 trigger point here is six percent so we will
25 allow this asset class to drift above the

1 target allocation by six percent and below the
2 target allocation by six percent, which will
3 give you a range 25 to 37 percent.

4 For non-U.S. equity, I don't need to
5 read the numbers out loud to you. I don't
6 know if there are any particular numbers you
7 would like to focus on. We try to make this a
8 science, but it is an art as well as a
9 science, and a certain amount of judgment is
10 brought to bear on our projections of risk and
11 return for the asset classes, on our estimated
12 transaction cost, as well as our estimate of
13 correlation.

14 But I think these are reasonable
15 ranges that allow some degree of flexibility,
16 recognize that market values will move, and
17 so, we will inevitably be somewhere around
18 target, but constrain the portfolio to point
19 where you are not so far away from the target
20 allocation as to significantly change the risk
21 and return characteristics of the portfolio.
22 And that's the objective here.

23 MS. NAGASWAMI: So I guess one
24 question, based on especially that last
25 comment about this really being a reflection

1 from the Board of our risk and return, what is
2 striking is that we don't have in the current
3 IPS, and I am delighted we will be updating
4 those, a risk bucket range. In other words,
5 the top bucket here that you have, equities
6 are very similar within the bucket, but across
7 equities, fixed income, and then obviously I
8 would suggest a bucket for cash. Those are
9 the big risk and return variations, much
10 bigger across those rather than within those.

11 So do you think it makes sense to set
12 ranges for those, and then actually allow, in
13 my thinking, even greater discretion within
14 the buckets because it doesn't change the
15 overall risk as much?

16 MS. PELLISH: I think that is
17 actually true. The point here is that if you
18 drew a line under U.S. equities, non-U.S.
19 equities, emerging equities and REITs, you
20 would have a total of 51 percent in the target
21 allocation. And those assets have a fairly
22 high correlation and fairly similar risk
23 characteristics. You could think of them as
24 one risk bucket.

25 That would be very different from the

1 fixed income risk bucket, which in turn would
2 be very different from cash. And then
3 private, I am not quite sure, I guess you
4 could either treat private separately or
5 include it in cash -- include it in equity or
6 fixed income, depending on the asset class.
7 But I think there is a logic to that.

8 MS. NAGASWAMI: And I am not
9 suggesting we will ever do that, but if you
10 simply added the lower end of the ranges
11 across those same four, you get to 35 and a
12 half, which is actually massively different,
13 but you could go there based on our policy
14 today, which is not at all our intent.

15 MS. PELLISH: Yes.

16 MS. NAGASWAMI: So by sort of saying
17 let's have an aggregated equity and fixed
18 income and cash bucket and then have ranges
19 across those, that's actually the much greater
20 expression of risk management.

21 MS. PELLISH: That's the more
22 important definition, I agree.

23 MR. SCHLOSS: Let me understand what
24 you just said, Ranji. You said taking 35
25 which you said is the low range, I will trust

1 you on the math, would you want all equity
2 bucket higher than the sum of those?

3 MS. NAGASWAMI: Or it would say the
4 51 plus or minus three percent, so within it
5 if you want to go to, take U.S. equity down to
6 25 and non-U.S. up to 13, it doesn't change
7 the risk much. But changing the 51 to 35 is a
8 huge shift in the risk of the portfolio.

9 MR. SCHLOSS: I am trying to
10 understand which governs, the aggregate or the
11 individual?

12 MS. NAGASWAMI: Actually both, but
13 the aggregate would prevent us from moving the
14 risk around massively.

15 MS. ROMAIN: Are we saying all of
16 these things are shifting at the same time?

17 MS. NAGASWAMI: No. I was just
18 hypothetically --

19 MS. ROMAIN: If so, I am trying to
20 grasp it.

21 MS. NAGASWAMI: My bigger concern is
22 the total 51 or the total of equities going
23 down by a large amount that totally negates
24 the risk return targets that the policy
25 portfolio implies. I am not helping you.

1 Theoretically, yes, there could be a
2 time when all of the risk is drawn down to the
3 minimum, so that all of the equity buckets go
4 down to 35 and a half, yes. And that is a
5 huge shift in the risk of the portfolio.

6 Whereas, if you said have the ranges
7 within highly correlated and similar
8 volatility asset classes, but as a Board, set
9 the limits for these risks buckets so that the
10 nature of the portfolio doesn't change. It
11 gives discretion while, without moving the
12 risk around, so that it is almost like me
13 doing an asset allocation.

14 MR. SCHLOSS: Again, if you take my
15 35, you said that's the math, if you put
16 something above that, 45, every time you trip,
17 the 45 is going to govern, not the 35.

18 MS. NAGASWAMI: Correct.

19 MR. SCHLOSS: Maybe that's what you
20 want?

21 MS. NAGASWAMI: Yes, it is.

22 MR. SCHLOSS: You would be
23 rebalancing a lot with the markets.

24 MS. NAGASWAMI: No. It is just an
25 in total, so the individual mixes can move

1 around and that's fine.

2 MR. SCHLOSS: What I am saying is the
3 strength you just put on it, negated these
4 others ones.

5 MS. NAGASWAMI: No, it is saying you
6 can take any individual one. If you wanted to
7 take risk, if the 51, you wanted to take down
8 to 45 and you wanted to do it all in U.S., you
9 can still go to the lower end of the U.S.
10 range.

11 MR. SCHLOSS: But to do that you
12 would have go to the high end of the other
13 one.

14 MS. NAGASWAMI: No, you would just
15 be in target.

16 MR. SCHLOSS: I would have to take a
17 break to think about it.

18 MS. NAGASWAMI: No. Martin, our
19 secret weapon?

20 MS. ROMAIN: What is the policy
21 decision you are asking this Board to make in
22 order -- if there is something that you can
23 come back with as a proposal, as CIO, because
24 I don't really understand the technical
25 information of all this.

1 MR. SCHLOSS: I was trying to
2 understands it as well.

3 MS. ROMAIN: I don't. Because I
4 don't want to get into understanding the
5 technical what is going to happen when we
6 rebalance this range with something else, what
7 will happen to another part of the portfolio.
8 I am not that technical person.

9 So if there is a policy, we are
10 dealing with policy in this section, so if
11 there is a policy that we need to be looking
12 at, Robin, If there is some policy decision
13 that we as a Board would have to look at,
14 rather than trying to get into the details
15 about the low end, this bucket, what will
16 happen if all of your equities are brought
17 down to 35 percent, I am not that technical.

18 So if there is a policy that the CIO
19 or consultant would like the Board's decision
20 that this Board makes to give you the room to
21 do what needs to be done, this is something
22 that we want to hear.

23 MR. SCHLOSS: I will defer Robin.

24 MS. PELLISH: So I think that we can
25 come back, in coordination with BAM, come back

1 to the Board with different ranges, how they
2 operate at the aggregate equity, fixed income
3 and cash flow.

4 MS. ROMAIN: I am giving you
5 discretion to do that.

6 MS. PELLISH: Which provides some
7 discretion and also doesn't change the risk
8 objectives of the Board.

9 MR. NORTH: If I may, I think part
10 of the question that you are really addressing
11 here is if equity-like assets have a lot
12 correlation with each other and you have an
13 overall policy that is 63/37, and all the
14 assets move and you can end up 16 percent less
15 than 63 percent in equities, would you want
16 that in a quarterly report?

17 And the current rebalancing ranges
18 theoretically could allow that, and where I
19 think there should be good discretion, I
20 think the comfort level of the aggregate, as
21 Ranji has raised, is something that really
22 goes to that high level overall policy of the
23 Board that maybe could overlay to the
24 information here. And I think what Ranji has
25 suggested is maybe pooling the policy level

1 equities versus other and seeing what that
2 would produce in terms of where you end up.

3 MS. NAGASWAMI: The second thing I
4 would ask is on the bottom of page 3, Robin,
5 you have laid out some very clear thoughts on
6 how uninvested commitments, unfunded
7 commitments should be invested. We are not
8 currently adhering to that, and I think that
9 is something I am in complete agreement with
10 what you have got here, Robin.

11 So I would just suggest that, Larry,
12 we think about adhering to those.

13 MR. SCHLOSS: Yes, these are
14 embedded in the rebalancing ranges, what you
15 end up doing is you take your original
16 rebalancing range and you add this
17 mathematically to it, it shifts your
18 rebalancing range.

19 So if you start 25/37, then you do,
20 for instance, the uninvested private equity,
21 you take the short fall, it recalibrates your
22 rebalancing range. And I am pretty sure it is
23 in the math we use.

24 Correct?

25 MR. GANTZ: Correct. And until the

1 new policy was adopted, we, in fact, did have
2 that as an exhibit in the Board package. We
3 are waiting for this to be adopted to reshow
4 the new adjusted rebalancing ranges.

5 MR. SCHLOSS: So we will take these
6 footnotes, multiply them by the target
7 allocation, and pro forma them into these
8 ranges. That's where you will see it. You
9 won't see the math, it will be embedded in it
10 once we approve these footnotes.

11 MS. NAGASWAMI: I am comfortable to
12 make your lives easier, and I think it is true
13 as I think about this too, that because we are
14 in this transition where we end up having a
15 lot of cash at the moment for the transition,
16 if we just wanted to pull that out of the
17 strategic weights and just show us how you are
18 investing the unfunded commitments, I am fine
19 with that. Whatever is easier for you guys.

20 It will get us to the same place as
21 your pro forma, but it is just how you think
22 about it, because I am not clear in my mind
23 how much of the cash, and I understand you
24 said on Bloomberg we are at eight and a half
25 percent in cash. That's a big number.

1 MR. SCHLOSS: It is.

2 MS. NAGASWAMI: I am not
3 comfortable, unless it is unfunded
4 commitments, and then it should be invested in
5 this way. But sitting on eight and half
6 percent in cash, but I am assuming it is for,
7 as you said, unfunded commitments.

8 MR. SCHLOSS: I would say that a
9 chunk of it, call it half, it is about half
10 the unfunded, things like opportunistic fixed
11 income which are rolling out and rather than
12 cash in the stock market.

13 MS. NAGASWAMI: Except we have a
14 proposal here, so it would not be cash, it
15 would be 50/50.

16 MR. SCHLOSS: It would be 50/50 but
17 you have to be a little prudent when the
18 markets are as volatile. You shouldn't store
19 your cash in the most volatile thing like the
20 market.

21 I wouldn't recommend it.

22 MS. NAGASWAMI: Where I agree with
23 you completely is that it's a one-year type
24 time horizon, and when you have a one-year
25 type time horizon, you are not in equities.

1 That's the problem with unfunded commitments.

2 But historically we park all our cash in
3 equities, so this is pretty big shift from our
4 historical policy.

5 So I would just love to understand
6 how much of that cash is in unfunded
7 commitments versus a tactical directional
8 play, which I am actually not comfortable with
9 at all.

10 MR. SCHLOSS: We don't do tactical
11 plays.

12 MS. NAGASWAMI: But you said half
13 the cash is unfunded, yes?

14 MR. SCHLOSS: Half is unfunded
15 waiting to go into new assets allocations.

16 MS. NAGASWAMI: And the other half?

17 MR. SCHLOSS: The other half is
18 prudence, taking it out of the stock market.

19 MS. ROMAIN: Again, since we make
20 decisions on policy and we give the
21 Comptroller's Office the authority to be the
22 investment adviser, if there is a policy
23 decision that the Board needs to make, since
24 we are going to review and revise the IPS as
25 we have been doing all along, then there

1 should be some kind of proposal that is
2 presented to the Board that would allow the
3 Comptroller's Office to be able to move within
4 whatever that is, guidelines, so that they can
5 accomplish what they need to do, particularly,
6 in these volatile markets.

7 We can go back and forth like this,
8 and I am just not dealing with it.

9 MR. SCHLOSS: We will come back.

10 Robin, can I ask you a different
11 question?. There are no ranges on private
12 equity and private real estate, even though
13 every day they bounce around. Should we just
14 have a range?

15 We can't transact on it, but it helps
16 us to figure out about where we are on any
17 given day, to be committing more or committing
18 less.

19 MS. PELLISH: Initially, as I said,
20 we didn't include them because you are not
21 going to rebalance --

22 MR. SCHLOSS: You don't really
23 rebalance, but you know if you have too much.
24 If all of a sudden private equity went to nine
25 percent. I mean, they Are difficult things

1 but I think it would be useful for BAM to at
2 least have some little range we can look at
3 and say the pacing models are interesting but
4 we should slow it down.

5 MS. PELLISH: Right. Although it
6 seems a little bit like a semantics argument,
7 it is not really a rebalancing because you are
8 not going to rebalance, so there may be
9 some --

10 MS. NAGASWAMI: Volatility range.

11 MS. PELLISH: -- or some maximum.
12 And you have to be appropriately skeptical.
13 So let's think about that, about how to term
14 that, I would rather not call it a rebalancing
15 range because that implies you are actually
16 going to rebalance, and you are not, you may
17 slow down the pace. So it may be a maximum
18 level at which you take a pause, a new
19 commitment, something like that.

20 MR. SCHLOSS: Or discuss with the
21 Board, when you get to this number, some
22 yellow light is supposed to go on.

23 MS. PELLISH: So I agree that there
24 should be some discussion at what point we are
25 uncomfortably far away from the target, but

1 not as a rebalancing range.

2 MR. SCHLOSS: I agree with that.

3 MS. NAGASWAMI: The other subject you
4 have introduced which makes a lot of sense to
5 me is you have separated the investments into
6 core and non-core real estate in different
7 buckets. That makes a lot of sense.

8 MR. SCHLOSS: Yes, I agree.

9 MS. PELLISH: That concludes our
10 comments on this topic.

11 CHAIRMAN AARONSON: Anybody with any
12 questions or comments?

13 (No response.)

14 CHAIRMAN AARONSON: Thank you for
15 that report.

16 What are we up to next?

17 MR. SCHLOSS: That concludes the
18 agenda for the public session.

19 CHAIRMAN AARONSON: Ms. March?

20 MS. MARCH: I move that pursuant to
21 Public Officer Law Section 105, we go into
22 executive session to discuss the proposed
23 acquisition, sale or exchanges of securities
24 held by the Teachers' Retirement System and to
25 discuss the proposed pending or current

1 litigation.

2 CHAIRMAN AARONSON: Do I hear a
3 second?

4 MS. ROMAIN: Second.

5 CHAIRMAN AARONSON: Any opposition?

6 (No response.)

7 CHAIRMAN AARONSON: Seeing none,
8 Larry, we are now in executive session.

9 (Whereupon, at this time, the meeting
10 was conducted in executive session.)

11 CHAIRMAN AARONSON: Seeing no
12 further business before us in executive
13 session, can I have a motion?

14 MR. SCHLOSS: I make a motion to go
15 out of executive session.

16 MS. NAGASWAMI: Second.

17 CHAIRMAN AARONSON: Any objection?

18 (No response.)

19 (Whereupon, at this time, the meeting
20 was conducted in public session.)

21 CHAIRMAN AARONSON: We are now out of
22 executive session and we would like a report
23 on what we did in executive session.

24 MS. STANG: Absolutely.

25 In the executive session of the variable funds,

1 two presentations from investment managers
2 were received, consensus was developed which
3 will be announced at the appropriate time.

4 In the executive session of the
5 pension fund, there was a discussion of three
6 managers on the watch list, there was
7 discussion of a contract for a service
8 provider. Consensus was developed which will
9 be announced at the appropriate time.

10 A presentation from one investment
11 manager within the opportunistic fixed income
12 sector was received. Consensus was developed
13 which will be announced at the appropriate
14 time.

15 Further details about a potential
16 private equity investment were discussed, and
17 a brief update on several legal issues was
18 provided.

19 MR. McTIGUE: Off the record.

20 (Recess taken.)

21 CHAIRMAN AARONSON: Back on the
22 record.

23 MS. STANG: I'm sorry, further
24 details of a potential it was a fixed
25 investment.

1 Thank you.

2 CHAIRMAN AARONSON: Anything else?

3 (No response.)

4 CHAIRMAN AARONSON: Do I have a
5 motion to adjourn?

6 MR. SCHLOSS: Motion.

7 MS. ROMAIN: Second.

8 CHAIRMAN AARONSON: Any objection to
9 adjourning?

10 We are adjourned.

11 (Time noted: 1:30 p.m.)

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2 C E R T I F I C A T I O N
3

4 I, Margaret Eustace, a Shorthand
5 Reporter and Notary Public, within and for the
6 State of New York, do hereby certify that I
7 reported the proceedings in the
8 within-entitled matter, on Thursday, October
9 6, 2011, at 55 Water Street, New York, New
10 York, and that this is an accurate
11 transcription of these proceedings.

12 IN WITNESS WHEREOF, I have hereunto
13 set my hand this _____ day of _____,
14 2011.

15
16 _____
17 MARGARET EUSTACE
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