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           NEW YORK CITY TEACHERS' RETIREMENT SYSTEM
                      INVESTMENT MEETING
               Held on Thursday, December 1, 2016
                              at
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                        55 Water Street
                      New York, New York
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    ATTENDEES:
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    JOHN ADLER, Chairperson, Trustee, Mayor's Office
     PATRICIA REILLY, Executive Director, TRS
 7
    DEBRA PENNY, Trustee, TRS
    THOMAS BROWN, Trustee, TRS
 8
    DAVID KAZANSKY, Trustee, TRS
    CHARLOTTE BEYER, Trustee, Finance
     JOHN DORSA, Comptroller's Office
10
    THADDEUS MCTIGUE, Deputy Executive Director, TRS
    RONALD SWINGLE, TRS
    SUSAN STANG, TRS
11
    DAVID LEVINE, Groome Law Group
12
    SAM RUMLEY, Office of the Actuary
    ROBIN PELLISH, Rocaton
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    LIZ SANCHEZ, TRS
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                     PROCEEDINGS
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                              (Time noted: 10:08 a.m.)
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                CHAIRPERSON ADLER: Good morning.
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    Welcome to the Teachers' Retirement System City of
    New York Investment Meeting of December 1, 2016.
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                Patricia, would you call the roll?
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                MS. REILLY: John Adler?
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                CHAIRPERSON ADLER: Here.
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                MS. REILLY: Thomas Brown?
               MR. BROWN: Here.
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               MS. REILLY: David Kazansky?
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               MR. KAZANSKY: Present.
               MS. REILLY: Debra Penny?
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               MS. PENNY: Here.
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16 MS. REILLY: Charlotte Beyer? 17 MS. BEYER: Here. 18 MS. REILLY: John Dorsa? 19 MS. VICKERS: Here. 20 MS. REILLY: We have a quorum. 21 CHAIRPERSON ADLER: Very good. To start 22 the public agenda, I'll land it over to Robin. 23 MS. PELLISH: Thank you. For the public 24 agenda we have the third quarter report, which we 25 sent to you in advance. We also have hard copies. 0003 You've seen the September numbers, so I was not 1 2 planning to go through the third quarter report 3 unless there are questions or requests to do so. 4 Instead, I'd rather move on to the new 5 October results. And then the November results. 6 The November results make the October results look 7 irrelevant. 8 (Laughter.) 9 So if you look at the report for the 10 month of October, you can see that the Russell 3000 was down 2.16 percent for the month, which led to 11 12 the diversified equity fund declining by a little 13 more than that, largely because of the allocations 14 to the actively managed U.S. equity composite, 15 which declined about 1.4 percent more than the 16 Russell 3000. 17 It continued to be very difficult 18 environment for actively managed equity mandates. 19 The strategic strategies protected a little bit, it 20 was negative, but down about 80 basis points less 21 than the broad market. 22 And the international equity composite fund also protected slightly on the downside, since 23 24 the international benchmark was down about 70 basis 25 points less than the Russell 3000. 0004 1 All in all, for the month of October the 2 diversified equity fund lost 2.26 percent for the 3 calendar year to date. That has led to a return f 4 slightly until 5 percent, 4.99 percent. 5 The bond fund lost ground slightly due 6 to rising rates in the month of October, down 21 7 basis points. That leads to a calendar year to date performance of 2.6 percent. 8 9 The international equity fund, as 10 mentioned, down less than the broad market. 11 still down, 1.7 percent. 12 For the year to date, the international 13 entity fund, Variable C, is very close to the 14 return of the diversified equity fund, Variable A, 15 between 4.7 and 4.9 percent. 16 And the inflation protection fund down 17 about half a percentage point for the month, but

18 still a good return for the year to date period 19 that is result of TIPS doing well in the year to 20 date period, as well as REITs having a very strong 21 performance during the year to date period. 22

Finally, the socially responsible fund lagged the S&P, down 2 percent. Again, close to Variable A, close to Variable C for the calendar year to date, about 4.7 percent.

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> There are lots of numbers behind this. I think the continued challenge to performance is the actively managed U.S. equity composite. can see that on page 3.

And we've negotiated some performance We're negotiating additional fees in that. performance fees together with Susan and her staff. And it's just a case of some individual managers lagging significantly for the calendar year to date. You can see that with NewSouth, Cardinal and as well as Jackson Square.

So we're monitoring all the managers closely and putting in performance fees. And as you know, transfer of the QPP assets, which we will talk about in more detail later in the executive session -- the results in individual assets being allocated to that sector.

Unless there are any questions that concludes the October report.

And let's move on to a very different month, which is November. And I know everyone at the table is well aware of what's been happening in the capital markets since the selection.

This report says "Preliminary Benchmark Report as of November 30," actually reflects 0006

results through November 29; so the trend did not change on the 30th.

And you can see that the Russell 3000 fr the month of October through the 29th was up about 4 and a half percent. Non U.S. equities did not fare nearly as well, and the biggest impact on that negative return was the rise of the U.S. dollar. So that currency impact, largely by the month of October.

Despite yields rising significantly during November, in fact U.S. government bonds had the worst month in seven years in November, due to significant increase in yields in government bonds across the bond markets. Despite that, the defensive strategies are expected to be up 200 basis points.

And so we think for the month of November the diversified equity fund will return about 3 percent. And so that raises the calendar

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     return to slightly under 9 percent.
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                As we mentioned, significant rise in
22
     yields through November have led to losses in the
23
     bond fund. So we think that the bond fund might be
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     down as much as 100 basis points for that month.
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     And that would be the calendar year to date return
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     of only about 150 basis points.
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                So it's a shorter duration bond fund,
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     but, nonetheless, the rise in yields still has an
 4
     impact. And as we mentioned, the rise of the value
 5
     of the dollar has significantly impacted non U.S.
 6
     equity. So we, our best guess for the
 7
     international composite is down about 3 percent for
 8
     the month of November, and that would leave it with
 9
     a return of about 100 basis points for the calendar
10
     year.
11
                The Fidelity fund that is contained
12
     within the inflation protection fund was flat for
13
     the month, and that gives it a calendar year return
14
     of 7.7 percent.
15
                Finally, the socially responsive equity
16
     fund did well, participated in the rise in the S&P
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     500, so that was up close to 4 percent for the
18
     month of November, bringing the calendar year to
19
     date return for about 8 1/2 percent for that fund.
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                So, as you know, an incredibly strong
21
     month for U.S. equities, and bad month for non U.S.
     equities and bonds.
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23
                And that concludes, I think, the public
24
     agenda.
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                CHAIRPERSON ADLER: Any questions for
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     Robin?
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                (No response.)
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                I think a motion to exit public session
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     and enter executive session would be in order.
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                MR. KAZANSKY: I move, pursuant to
 6
     Public Officer's Law, Section 105, to go into
 7
     executive session for discussions regarding
 8
     specific investment matters.
 9
                CHAIRPERSON ADLER:
                                   Is there a second?
10
                MR. BROWN: Second.
11
                CHAIRPERSON ADLER: Any discussion?
12
                All in favor of the resolution say
13
     "Aye."
14
                (A chorus of "Ayes.")
15
                Any opposed say "Nay."
16
                Abstentions?
17
                (No response.)
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                Motion carries.
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                (Whereupon, the Board entered executive
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 2
     session.)
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                CHAIRPERSON ADLER: Is there a motion to
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     exit executive session and return to public
 5
     session?
 6
                MR. BROWN: So moved.
 7
                MR. DORSA: Second.
 8
                CHAIRPERSON ADLER: Any discussion?
 9
                (No response.)
10
                All in favor of the motion say "Aye."
11
                (A chorus of "ayes.")
12
                Opposed?
13
                Abstentions?
14
                (No response.)
15
                Motion carries.
16
                (Whereupon, the Board returned to public
17
     session.)
18
                CHAIRPERSON ADLER: We're back in public
19
     session.
20
                Susan, report out.
                MS. STANG: There was a discussion about
21
     the structure of Variable B. Consensus was
22
23
     reached, which will be announced at the appropriate
24
     time.
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                There was an update on operational
 2
     matters.
 3
                There was discussion about certain
 4
     securities.
 5
                There was discussion about various
 6
     processes for updating certain plan documents.
 7
                There was a continued discussion about
     an investment under consideration. Consensus on a
 8
 9
     resolution was received.
10
                There was discussion about an issue
11
     pertaining to a specific investment in the pension
12
     fund.
13
                CHAIRPERSON ADLER: Thank you.
14
                That concludes our business for today.
15
                Is there a motion to adjourn?
16
                MR. BROWN: So moved.
17
                MS. BEYER: Second.
18
                CHAIRPERSON ADLER: Any discussion?
19
                (No response.)
20
                All in favor of the resolution say
21
     "Aye."
22
                (A chorus of "Ayes.")
23
                Any opposed say "Nay."
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| 24 | Abstentions? |
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| 25 | (No response.) |
| 0011 | |
| 1 | We're adjourned. |
| 2 | (Time noted: 12:42 p.m.) |
| 3 | - |
| 4 | CERTIFICATION |
| 5 | |
| 6 | I, Jeffrey Shapiro, a Shorthand |
| 7 | Reporter and Notary Public, within and for the |
| 8 | State of New York, do hereby certify that I |
| 8 | reported the proceedings in the within-entitled |
| 10 | matter, on Thursday, December 2, 2016, at the |
| 11 | offices of the NEW YORK CITY TEACHERS RETIREMENT |
| 12 | SYSTEM, 55 Water Street, New York, New York, and |
| 13 | that this is an accurate transcription of these |
| 14 | proceedings. |
| 15 | IN WITNESS WHEREOF, I have hereunto set |
| 16 | my hand this 11th day of December, 2016. |
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| 20 | JEFFREY SHAPIRO |
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