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6	NEW YORK CITY TEACHERS RETIREMENT SYSTEM
7	INVESTMENT MEETING
8	Held on Thursday, January 7, 2010
9	at
10	55 Water Street,
11	New York, New York
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ATTENDEES: MELVYN AARONSON, Chairperson, Trustee JOHN LIU, Comptroller, Trustee SANDRA MARCH, Trustee MONA ROMAIN, Trustee BUD LARSON, Office of Management and Budget NELSON SERRANO, TRS Executive Director JOEL GILLER, TRS Counsel RENEE PARIS, TRS Counsel RICARDO MORALES, Comptroller's Counsel VALERIE BUDZIK, Comptroller's Office JOHN DAWSON, Comptroller's Office MARTIN GANTZ, Comptroller's Office THAD McTEIGUE, Comptroller's Office MARC KATZ, Teachers Retirement System PAUL ROSS, TRS Chief Accountant SUSAN STANG, Teachers Retirement System ROBERT C. NORTH, JR., Actuary ROBIN PELISH, Rocaton CHRIS LYON, Rocaton ROBERTA UFFORD, Groom Law Group CAROLINE WOLPERT, Pension Division, City Law Department ATTENDEES: (Continued) DAVID JETER, Comptroller's Office LIZ CALDES, Comptroller's Office BONNIE DIMS, Special Assistant to the Comptroller SUSAN GAYLE, Controller's Office DIANE BRATCHER, Alternate Manage Rep JOHN MERCEBURG, Comptroller's Office LEON DUNKLIN, Comptroller's Office KAREN BARCLAY, Comptroller's Office

0004 PROCEEDINGS 1 2 (9:49 a.m.) 3 MR. SERRANO: We will again begin the January 7, 2010 investment meeting of the 4 5 teachers retirement board by calling the roll. 6 Melvvn Aaronson? 7 MR. AARONSON: Here. MR. SERRANO: Kathleen Grimm? 8 9 Note that she is not present. 10 John Liu. 11 MR. LIU: Here. 12 MR. SERRANO: Tino Hernandez also not 13 present. 14 Bud Larson? 15 MR. LARSON: Here. 16 MR. SERRANO: Sandra March. 17 MS. MARCH: Present. 18 MR. SERRANO: Mona Romain. 19 MS. ROMAIN: Here. 20 MR. SERRANO: Okay. We do have a 21 quorum, and you need to elect an acting 22 chairperson. 23 Any nominations? 2.4 MR. LARSON: I nominate Mel. 25 MR. SERRANO: Any second? 0005 1 MS. MARCH: I second. 2 MR. SERRANO: All in favor, say aye. 3 MR. LARSON: Aye. 4 MR. LIU: Aye. 5 MS. ROMAIN: Aye. 6 MS. MARCH: Aye. 7 MR. SERRANO: All those not in favor? 8 Okay, Mel. 9 MR. AARONSON: Thank you very much. 10 This is a historic day. We welcome a new comptroller as a member of our board, and 11 I want to welcome you and let you know that 12 13 this board is a very unified board. Everybody 14 works well together, and you will find that 15 among all the boards you are going to serve on, there is not going to be any board as 16 17 uniform and as easy to work with as we are at 18 this board, and we look forward to working 19 with you. 20 MR. LIU: Thank you. 21 MR. AARONSON: You are very welcome. 22 Do you want to say anything? MR. LIU: Sure. I appreciate those 23 comments, Mel, and I understand this is a very 24 25 unified board. I think this is also the only

0006 1 board during which whose meetings such a large 2 gavel is used. I am sure that is just purely 3 coincidental, but.. 4 MS. ROMAIN: We cooperate. 5 MR. LIU: Congratulations to you on 6 being elected chair of this meeting, and I am 7 really happy to see everybody this morning. I 8 am -- this is a, I guess my seventh day on the 9 job, and I am really looking forward to a very 10 productive time in the weeks, months and years 11 ahead. 12 I want to work very closely with all of 13 I don't know if we have had a chance to you. 14 go around the room to introduce everybody yet, 15 Mr. Chairman. 16 MR. AARONSON: We have not, but it will 17 be a very good idea that we do that to get to 18 know us, and we get to know anybody that you 19 brought that is new to us. So as I said, I am Mel Aaronson, teacher 20 21 trustee and retirement board. 22 MS. MARCH: Sandra March, teacher 23 trustee. 2.4 MS. ROMAIN: Mona Romain, teacher 25 trustee. 0007 1 MS. STANG: Susan Stang, as investment 2 administration division deputy director. 3 MS. UFFORD: Roberta Ufford, and I am 4 counsel to the variable funds. 5 MS. WOLPERT: I am Caroline Wolpert from 6 the pension division of the city law 7 department. 8 MR. GILLER: Joel Giller, TRS counsel. MS. PARIS: Renee Paris, TRS counsel. 9 10 MR. MORALES: Ricardo Morales, 11 comptroller's counsel. 12 MS. BUDZIK: Valerie Budzik, 13 comptroller's office. 14 MR. DAWSON: John Dawson, comptroller's 15 office. 16 MR. GANTZ: Martin Gantz, comptroller's 17 office. 18 MR. LYON: Chris Lyon, one of the 19 partners and investment consultants at Rocaton 20 Investment Advisors. 21 MS. PELLISH: Robin Pellish, from 22 Rocaton. MR. KATZ: 23 Marc Katz, TRS, director of 24 investments. 25 MR. ROSS: Paul Ross, TRS chief

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          accountant.
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                MR. NORTH: Bob North, actuary from the
 3
          retirement system.
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                MR. LARSON: Bud Larson, trustee,
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          mayor's representative.
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                MR. McTEIGUE: Thad McTeique,
          comptroller's office.
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                MR. LIU: John Liu. Good to see
9
          everybody.
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                MR. SERRANO: Nelson Serrano, TRS
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          executive director.
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                MR. LIU: So Mr. Chairman, thank you
13
          very much for ...
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                MR. AARONSON: Do you want to introduce
          your staff and TRS staff that's here?
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                Can we start down at this end?
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                MR. JETER: David Jeter, comptroller's
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          office.
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                MS. CALDES: Liz Caldes, comptroller's
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          office.
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                MS. DIMS: Bonnie Dims, special
22
          assistant to the comptroller.
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                MS. GAYLE: Susan Gayle, comptroller's
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          office
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                MS. BRATCHER: Diane Bratcher, alternate
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          manage rep.
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                MR. MERCEBURG: John Merceburg,
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          comptroller's office.
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                MR. DUNKLIN: Leon Dunklin,
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          comptroller's office.
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                MS. BARCLAY: Karen Barclay,
          comptroller's office.
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                MR. LIU: Looks like we are well covered
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          here.
                MR. LARSON: Your back is covered.
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                MR. LIU: Well, yes, I am glad to see
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          all these people sitting between me and the
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          window.
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                MR. AARONSON: Let's go to the public
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          part of the agenda and the comptroller's
          office.
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                Are they ready for their public
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          presentation?
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                MR. McTEIGUE: We are Mr. Chair. And
          the first and only item in the public agenda
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          will be the flash report, and I turn it over
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          to Martin.
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                MR. GANTZ: I will stand over here so
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          you can hear me. Everybody should have a copy
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0010 1 of the flash report in front of you. 2 The flash report is through January 5, 3 2010, and if you scan the column of numbers on 4 the left, you will see that the strong 5 absolute number of returns are shown for most 6 of the public market sectors. Starting with 7 the US equity sector, the returns we estimate 8 through January 5, 2010 whereas 25.53, seven 9 basis points behind the benchmark. The non-US 10 equity developed market returns were 24 11 percent even, 80 basis points behind the 12 index. REITS returned 44.05 percent, 351 13 basis points behind the benchmark. 14 Opportunistic equity investments returned 15 18.87 percent, which were 659 basis points 16 behind the benchmark. And that brings a total 17 equity estimated return to 24.01 percent. 18 The core plus five fixed income program 19 returned 5.88 percent, which was 88 basis 20 points ahead of the custom core plus five 21 benchmark. 22 The TIPS markets investments returned 23 5.54 percent, nine basis points behind the benchmark. 2.4 25 High yield or enhanced yield returned 0011 1 16.31 percent. That continues a very strong 2 run for high yield, and that is 52 basis 3 points ahead of the Citigroup double B single 4 B index. 5 Convertible bonds returned 21.70 6 percent, 253 basis points behind the 7 benchmark. And that brings the total fixed 8 income return to an estimated 8.04 percent or 9 26 basis points behind the benchmark. 10 The total teacher's estimated return for 11 the period of the fiscal year through the 5th 12 is 18.43 percent. Backing out ten basis 13 points of public market fees comes to 18.33 14 return behind the policy benchmark, the 15 adjusted policy benchmark at 25.56 percent. 16 Are there any questions? 17 MS. MARCH: Just let's keep it up. 18 MR. AARONSON: Thank you very much. 19 Marty. Okay, we move from there to -- you are 20 finished with the public presentation? 21 MR. McTEIGUE: Correct, Mr. Chairman. 22 MR. AARONSON: Move to the public 23 presentation on the variable program. 24 MR. LYON: Good morning. I am going to 25 provide you an update through November 30,

0012 1 first regarding the performance of four of the 2 variable fund options. The first handout that 3 was also distributed in advance is regarding 4 the variable A or diversified equity 5 investment option that's available to the 6 participants, and on the first page you can 7 see that as of November 30 the total assets in 8 the bottom of the page across the four 9 different plans covered were \$9.1 billion. 10 You can see how those assets were 11 allocated on that first page. All of the 12 major composites were within approximately 1 13 percent of their targets, so the ongoing 14 monthly rebalancing program has continued to 15 keep these composites relatively in line with 16 their targets. For example, the 50 percent or 17 so that's indexed, the actual allocation at November 30 was 50.6 percent. 18 19 If you turn ahead to Page 3, on Page 3 20 in the middle of the page where it says 21 "Teacher's Total," we have the total 22 performance for the variable A investment 23 option for various time periods through 2.4 November 30. And you can see for the month of 25 November that the option returned almost 5 0013 1 percent, 4.87 percent; and compared to the 2 hybrid benchmark at 4.93 percent, it was 3 within six basis points. And of course these 4 results are shown net of fees. 5 Their broad US equity market, the 6 Russell 3000 which we also look at as a guide 7 toward evaluating performance did do slightly 8 better during the month, posted a return of 9 about 5.7 percent. For the 11-month period, the calendar year to date, we can see that 10 11 this investment option, despite obviously a 12 negative start to 2009 and following on a 13 tough 2008, the year-to-date performance of 14 this option is almost 26 percent and is a little more than a percent above the Russell 15 16 3000 and several percent above the hybrid 17 benchmark, so relative to benchmarks for 18 calendar year to date, the performance had 19 been strong. 20 For the most recent periods the US 21 equity exposures, which is the majority of the 22 fund, have been the larger contributor to the 23 performance, for example, in the most recent month. However, over the course of the full 24 25 year-to-date period, the international

0014 1 exposure that's in there to provide 2 diversification, broaden the opportunity set 3 has been a big contributor to the results as 4 well. 5 Unless there are questions, I am going 6 to provide you an update now on three of the 7 other variable funds options, which is the 8 next handout in your pile. That was also 9 distributed ahead. These are in shorthand 10 referred to as variable C, D and E on the top 11 left. Those are defined better the 12 international fund, the inflation protection 13 fund and the socially responsive equity fund. 14 And you can see the asset levels in 15 these options which were launched mid-year 16 2008, and these investment options have 17 approximately 60 million, 10 and a half 18 million and 10 million, respectively. 19 The international fund, reviewing its 20 performance, if you look at the month, I 21 mentioned that US equity in November did much 22 better for US-based investors than 23 international equities; and you can see that 2.4 this option did have a positive November but 25 not quite as strong as the US market, up just 0015 a little over 2 percent and marginally ahead 1 2 of its benchmark. For the year-to-date 3 period, however, this option has returned to 4 participants 37 percent for the calendar year 5 to date, and that's about six and a half 6 percent ahead of EAFE, and that's also net of 7 fees. 8 And the next variable option, the next 9 boxed set on the page is the inflation 10 protection fund, which was up about two and a 11 half percent for the month of November; and 12 that was about 30 basis points or so ahead of 13 its benchmark. And for the year-to-date period that investment option has returned 22 14 15 and a half percent for participants and is 16 roughly 9 percent ahead of its benchmark. 17 Finally, the socially responsive equity 18 option returned 3.4 percent for the month. Tt 19 did trail the S & P 500 index; however, it was 20 still a reasonable absolute return. And for 21 the year-to-date period that option has 22 returned approximately 21 percent, 20.76, 23 which is several percent behind the S & P 500; however, these options primarily invest, as 24 25 you know, in underlying funds. And the

0016 1 underlying fund in which it invests for the 2 year to date did keep pace with and slightly 3 outperform the benchmark. But because these 4 options are small and relatively new, the 5 impact and timing of cash flows has the potential to distort the fund's specific 6 7 return in terms of the performance for the 8 variable option as a whole, and so most of the 9 difference between the underlying mutual fund 10 in which this invests and the return for the 11 variable option as a whole is due to the 12 impact of cash flows. 13 MR. AARONSON: Anybody have any 14 questions for Chris? MR. LYON: Okay, then I am going to move 15 16 on to the final page in the pile, which was 17 just distributed today. And this provides you 18 with performance information through 19 December 31. 20 And just to give you a sense that 21 December was also a reasonably strong month 22 for equities with the Russell 3000 broad US 23 equity index up almost 3 percent for the 2.4 month, bringing its calendar year result for 25 2008 to 28.3 percent. And you can see that, 0017 1 you know, that is certainly a strong result, 2 but if you keep in mind where we have been 3 since the lows of March 9, it actually is an 4 interesting statistic. 5 Since March 9, the Russell 3000 is up 6 70.9 percent, 70.9 percent since March 9. And 7 the -- however, if you go back to the previous 8 high, October 2007 on a cumulative, not 9 annualized but cumulative basis, we are about 10 24 percent off of that high still. So just 11 for some context, we have got -- come a long 12 way since the tumultuous times of not long 13 ago. And the volatility could, of course, 14 creep up again, but we have come a long way; but we are not back at those October 2007 15 16 levels. 17 There are similar statistics for EAFE, 18 up 79 percent since March 9 and still almost 19 29 percent off of its October 2007 highs on a 20 cumulative basis. So just a little 21 interesting statistic, since we have just 22 closed out the year. 23 Any questions? 24 MR. AARONSON: Thank you very much. 25 MR. LYON: Thank you.

0018 1 2 3 4	MR. AARONSON: Now I notice that your executive agenda is very short. We would like to go through that. Do I hear a motion.
5 6	MS. MARCH: May I propose a motion that we go into executive session, for purposes of
7	discussing managers and securities?
8	MR. LARSON: Second.
9	MR. AARONSON: Any nays?

(At this time the meeting went into executive session.)

21	MR. AARONSON: Hearing no objection, we
22	are now in public session.
23	Marc, will you report, please, what we
24	did in executive session.
25	MR. KATZ: Certainly.

During executive session for the pension fund, the board heard a presentation from a recently appointed fixed income manager. The board also provided consensus with respect to the adoption of the public equity and fixed income opportunistic investment policy statements, pending slight modifications to the documents. The board received an update on an existing private equity investment from its consultant, PCG. As part of the executive session for the variable funds, TRS staff provided the board with an update on the search for general investment consulting, noting the names of the semifinalists. Finally, the board held an attorney-client privileged session where the board discussed a current litigation matter as well the possible/pending litigation matters but took no action. MS. STANG: I approve. MR. AARONSON: Did he miss anything? Okay, so we have that? 2.4 Now, the next.. MR. SERRANO: Motion to adjourn. MR. McTEIGUE: Motion to adjourn, Mr. Chair. MS. MARCH: So moved. MR. AARONSON: Seeing no opposition, we are adjourned. (Time noted: 11:38 a.m.)

0079 CERTIFICATE 1 2 3 STATE OF NEW YORK) 4) ss. 5 COUNTY OF QUEENS) 6 7 I, YAFFA KAPLAN, a Notary Public within 8 and for the State of New York, do hereby 9 certify that the within is a true and accurate 10 transcript of the proceedings taken on January 11 7, 2010. 12 I further certify that I am not related 13 to any of the parties to this action by blood 14 or marriage and that I am in no way interested in the outcome of this matter. 15 16 IN WITNESS WHEREOF, I have hereunto set 17 my hand this _____day of January, 2010. 18 19 20 YAFFA KAPLAN 21 22 23 2.4

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