Proceedings NEW YORK CITY TEACHERS' RETIREMENT SYSTEM б INVESTMENT MEETING Held on Thursday, October 6, 2016, at 55 Water Street, New York, New York ATTENDEES: JOHN ADLER, Chairman, Trustee DEBORAH PENNY, Trustee THOMAS BROWN, Trustee SCOTT EVANS, Comptroller's Office SUSANNAH VICKERS, Trustee, Comptroller's Office CHARLOTTE BEYER, Trustee DAVID KAZANSKY, Trustee RAYMOND ORLANDO, Trustee REPORTED BY: YAFFA KAPLAN JOB NO. 0409694 ATTENDEES (Continued): SUSAN STANG, Teachers' Retirement System MICHAEL FULVIO, Rocaton CHRIS LYON, Rocaton ROBIN PELLISH, Rocaton THAD McTIGUE, Teachers' Retirement System VALERIE BUDZIK, Teachers' Retirement System LIZ SANCHEZ, Teachers' Retirement System SHERRY CHAN, Office of the Actuary KEITH SNOW, Office of the Actuary RON SWINGLE, Teachers' Retirement System MILES DRAYCOTT, Bureau of Assset Management ANTONIO RODRIGUEZ, Office of the Finance Commissioner 2.4

1 Proceedings 2 MR. ADLER: Good morning. Welcome to 3 the investment meeting of the Teachers 4 Retirement System for October 6, 2016. 5 Mr. McTigue, will you please call the б roll. 7 MR. McTIGUE: Mr. Adler? 8 MR. ADLER: I am here. MR. McTIGUE: Mr. Brown? 9 MR. BROWN: Here. 10 11 MR. McTIGUE: Mr. Kazansky? 12 MR. KAZANSKY: Present. 13 MR. McTIGUE: Ms. Penny? 14 MS. PENNY: Here. 15 MR. McTIGUE: Mr. Orlando? 16 MR. ORLANDO: I am here. 17 MR. McTIGUE: Ms. Beyer? 18 MS. BEYER: Here. 19 MR. McTIGUE: And Ms. Vickers? 20 MS. VICKERS: Here. 21 MR. McTIGUE: We have a quorum. MR. ADLER: Thank you so much. 22 Okay, so moving ahead with the public 23 agenda. Start with the Passport Funds. 24 Michael, you want to take us away? 25 0004 1 Proceedings 2 MR. FULVIO: Sure. We are going to try something new today. We are going to put the 3 4 material up on the screen. Does everyone have 5 this report? б MR. ADLER: Honestly if anybody could 7 read that on the screen, you have my 8 admiration. 9 MR. FULVIO: So I can really focus your 10 attention now. So we will start with the 11 Diversified Equity Fund. 12 And before I go into the fund 13 specifically, I will talk a little bit more broadly about the markets in the month of 14 15 August which were modestly positive across global equity markets. The U.S. was up about 16 17 a quarter of a percent. It was the leader 18 among developed markets with the non-U.S. 19 developed market. The EAFE Index was up about eight basis points, so very modest return. 20 21 Another strong month for emerging markets, 22 which has been a continuing trend this year. 23 Through September the emerging markets are up over 18 percent, but I did want to mention 24 25 given that you added the emerging markets to 0005 1 Proceedings 2 the plan late last year/early this year

3 certainly worked to the benefit of the 4 participants in the Passport Funds. So wanted 5 to make a note of that. б As far as the Diversified Equity Fund 7 returns, during the end of the month of August the fund stood at about \$10.4 billion and had 8 9 a return for the month to the positive tune of 10 18 basis points. Modestly trailing both the hybrid benchmark and the Russell 3000 Index. 11 12 That performance was driven mostly by the 13 passive exposure within the fund and with some modest detraction from the defensive 14 15 composite, which was down about 11 basis 16 points. You can see the active component was 17 flat to modestly negative three basis points. 18 The international equity composite was a 19 contributor to returns, both absolute and 20 relative results, with a positive return of 71 21 basis points. So you can see all that brings the year to date for the fund to positive 6.85 22 percent, lagging the Russell 3 by a little 23 over a hundred basis points. The Bond Fund 24 stood at about \$332 million at the end of the 25 0006 1 Proceedings 2 month. Modestly negative returns for the month of August, bringing the year to date 3 return for that fund to 2.7 percent. 4 Below the International Equity Fund, 5 б about \$110 million of participant assets with 7 a monthly return of about positive 63 basis 8 points ahead -- I'm sorry, the broad non-U.S. 9 equity benchmark. That brought the 10 year-to-date return for that fund to positive 11 5.2 percent, also ahead of the EAFE Index by 12 about 86 basis points. 13 The Inflation Protection Fund with 14 assets of about \$46 million was down in the 15 month of August by about 60 basis points, but 16 has a year-to-date return of over 7 percent. 17 As you can see about 7.4 percent ahead of its custom benchmark, but also CPI for the year 18 19 which for August was positive by about 95 20 basis points. 21 The Socially Responsive Equity Fund was 22 positive to the tune of about a half percent 23 outpacing the S&P for the month of August and 24 you can see the year to date return there is 25 just over 7 percent. 0007 1 Proceedings 2 Were there any questions on the 3 performance of the Passport Funds in August? 4 So maybe then we will turn ahead to some

5 preliminary results for the month of б September. And I made a pre-comment about 7 emerging markets already through September 8 being positive year to date by about 18 9 percent. The U.S. had another month in 10 September of modest positive returns bringing 11 the year-to-date return to just over 8 12 percent. The international composite 13 benchmark, which mirrors the underlying 14 benchmarks of the strategies in both the 15 International Fund and within the Diversified 16 Equity Fund, had a return for the month of 17 positive 1.25 percent. That was certainly a 18 bright spot within the fund for the month and 19 we expect to see that contribute obviously to 20 the returns of the Diversified Equity Fund. 21 The defensive strategies composite benchmark 22 was positive to the tune of 40 basis points. 23 You should have seen that outpace U.S. equity 24 markets. Not that we always expect that, but 25 nice to see. And just below that, the hybrid 0008 1 Proceedings 2 benchmark for the Diversified Equity Fund 3 positive for about 35 basis points. So we 4 expect the year-to-date return also to be in 5 the high 7 percent range, just shy of 8

6 percent. The proxy or benchmark proxy for the
7 Bond Fund was positive by about 15 basis
8 points year to date up about 2.6 percent.
9 I referenced the developed markets which

I referenced the developed markets which 10 outpaced the U.S. during the month of September up about 1-1/4 percent. Developed 11 small-cap was one of the bright parts of the 12 13 global equity markets, up about 2.7 percent. 14 I mentioned the custom benchmark for the 15 month. That was the custom EM benchmark that was up about 70 basis points or with that 16 17 strong year-to-date return of 18. And I also 18 already referenced the international composite 19 benchmark, but below that you can see the 20 underlying strategies for the Inflation 21 Protection Fund and the Socially Responsive 22 Equity Fund. The Inflation Protection Fund 23 underlying strategy was up about 90 basis 24 points for the month and the underlying 25 strategy of the Socially Responsive Fund had a 0009 1 Proceedings

2 modest negative return negative 26 basis 3 points, so just lagging the S&P 500. 4 Were there any questions on September? 5 Equity markets have been about flat so far 6 this week, so that's a report.

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           MR. ADLER: How about this morning? No,
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     I am just kidding.
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           MR. FULVIO: The ten-year is up to 1.7
10
     today.
11
           MR. ADLER: Okay. Any other questions
12
     for Rocaton? Any other business for our
13
     public session this morning?
14
           Okay, so I think a motion would be in
15
     order to exit public session and enter
16
     executive session.
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           MR. KAZANSKY: I move pursuant to Public
18
     Officers Law Section 105 to go into executive
19
     session for discussion regarding specific
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     investment and contract market matters.
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           MR. ADLER: Motion made. Is there a
22
     second?
23
           MS. PENNY: Second.
24
           MR. ADLER: Motion made and seconded.
25
     Any discussion?
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           All in favor of the motion, please say
 3
     aye.
           Aye.
 4
           MR. BROWN: Aye.
 5
           MR. KAZANSKY: Aye.
 б
           MS. PENNY: Aye.
 7
           MS. BEYER: Aye.
 8
           MS. VICKERS: Aye.
           MR. ORLANDO: Aye.
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10
           MR. ADLER: All opposed, please say nay.
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     Any abstentions? Okay, motion carries.
12
           Exiting public session and entering
13
     executive session. Okay, so let's go right
14
     into executive session.
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           (Whereupon, the meeting went into
16
     Executive Session.)
17
           MR. ADLER: Okay, so I don't believe there is any
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     other business for the executive agenda.
                                               So
19
     then a motion would be in order to exit
20
     executive session and reenter public session.
21
           MR. KAZANSKY: I would like to make a
22
     motion to move out of executive and into
23
     public.
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           MR. ADLER: Is there a second?
25
           MR. BROWN:
                      Second.
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           MR. ADLER: Any discussion?
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           All in favor of the motion, please say
 4
     aye. Aye.
 5
           MR. BROWN:
                      Aye.
 б
           MR. KAZANSKY: Aye.
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           MS. PENNY: Aye.
 8
           MS. BEYER: Aye.
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9 MS. VICKERS: Aye. MR. ORLANDO: Aye. 10 11 MR. ADLER: All opposed, please say nay. 12 Any abstentions? Okay, that concludes 13 Proceedings 14 executive session. 15 Let's wait for a minute until we get the 16 green microphones on. Susan, would you report 17 out of public session, please. 18 MS. STANG: Certainly. 19 In executive session, one manager update 20 was presented. There was a discussion about upcoming rebalancing of Variable A. There was 21 22 also discussion of the structure of Variable A 23 as well as a discussion about an outstanding 24 RFP. Consensus was reached, which will be 25 0012 1 Proceedings 2 announced at the appropriate time. 3 MR. ADLER: Very good. Okay, can we 4 have a motion to adjourn? 5 MS. VICKERS: So moved. б MR. ADLER: Is there a second? 7 MR. KAZANSKY: Second. 8 MR. ADLER: Any discussion? 9 All in favor of the motion to adjourn, please say aye. Aye. 10 MR. BROWN: Aye. 11 12 MR. KAZANSKY: Aye. 13 MS. PENNY: Aye. 14 MS. BEYER: Aye. 15 MS. VICKERS: Aye. 16 MR. ORLANDO: Aye. MR. ADLER: All opposed nay. Any 17 18 abstentions? Okay, meeting is adjourned. 19 Thank you very much. 20 [Time noted: 12:27 p.m.] 21 9 22 23 24 25 013 1 Proceedings 2 3 CERTIFICATE 4 STATE OF NEW YORK) 5 : ss. б COUNTY OF QUEENS) 7 8 I, YAFFA KAPLAN, a Notary Public 9 within and for the State of New York, do 10 hereby certify that the foregoing record of

11	proceedings is a full and correct
12	transcript of the stenographic notes taken
13	by me therein.
14	IN WITNESS WHEREOF, I have hereunto
15	set my hand this 15th day of October,
16	2016.
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19	YAFFA KAPLAN
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