1 NEW YORK CITY TEACHERS' RETIREMENT SYSTEM. 2 REGULAR BOARD MEETING Held on Thursday, October 19, 2017 3 at 55 Water Street 4 New York, New York 5 б ATTENDEES: 7 JOHN ADLER, Chairperson, Trustee, Mayor's Office PATRICIA REILLY, Executive Director, TRS 8 DEBRA PENNY, Trustee, TRS DAVID KAZANSKY, Trustee, TRS THOMAS BROWN, Trustee, TRS 9 SUSANNAH VICKERS, Trustee, Comptroller's Office 10 RAYMOND ORLANDO, Trustee THADDEUS MCTIGUE, Deputy Executive Director, TRS ANDREW BRADFORD, TRS 11 VALERIE BUDZIK, TRS 12 RENEE PEARCE, TRS PAUL RAUCCI, TRS LIZ SANCHEZ, TRS 13 SUSAN STANG, TRS 14 ROBERT BETHELMY, TRS ANNETTE HANRAHAN, TRS ANTHONY MEZZACAPPA, TRS 15 CARMELA CRIVELLI, TRS 16 SHERRY CHAN, Chief Actuary MELVIN AARONSON 17 RENEE PEARCE, TRS MARTA ROSS, Corporation Counsel 18 19 20 21 22 23 24

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PROCEEDINGS 1 (Time noted: 3:37 p.m.) 2 3 4 MR. ADLER: Welcome to the Teachers' Retirement System Board Meeting of October 19, 5 6 2017. 7 Patricia, will you call the roll? MS. REILLY: John Adler? 8 9 MR. ADLER: Here. 10 MS. REILLY: Debra Penny? 11 MS. PENNY: Present. MS. REILLY: David Kazansky? 12 13 MR. KAZANSKY: Here. 14 MS. REILLY: Thomas Brown? MR. BROWN: Here. 15 16 MS. REILLY: Susannah Vickers? MS. VICKERS: Here. 17 MS. REILLY: Raymond Orlando? 18 19 MR. ORLANDO: Here. 20 MS. REILLY: We do have a quorum. 21 CHAIRPERSON ADLER: Take us away, 22 please. 23 MS. REILLY: Next on the agenda is an 24 update on TRS operations, and Thad McTigue will 25 give is that update.

1 MR. McTIGUE: Thank you. 2 For the accountant statements, preparations are underway to send out the third 3 4 quarter 2017 statements. The quarterly account statements for members currently in service or on 5 leave is expected to begin mailing the week of б 7 November 13 to an estimated population of 123,600 8 members. 9 Statements will be mailed to 10 approximately 108,000 members, and an additional 15,300 members who elected to view their statements 11 12 online only. 13 Online posting of PDA quarterly 14 statements for participants in TDA deferral status 15 is expected to begin the week of November 6, 16 concurrently with statements being printed. 17 The estimated population is 53,400. Approximately 4,800 will be printed and mailed, and 18 19 an additional 4,480 members have elected to view 20 their statements online only. 21 The next item is OPP inactive expired TRS has sent out 483 notices second week of 22 RMB. 23 September to inactive and non-vested members. Most 24 have lost their tier rights, who must take a minimum distribution from their QPP membership 25

1 balances with this tax year. The notice includes 2 information for the member to make their RMD elections, as well as withdraw and roll over 3 4 election forms that should enable these members to 5 close their membership accounts. And the third item is membership б 7 expiration. TRS has mailed 1,270 letters at the 8 end of September, to members that have been active for seven consecutive school years, advising that 9 10 their membership has expired. 11 MS. REILLY: Thank you, Thad. 12 Next is the report from the Actuary on 13 the GASB 74/75 report dated September 15, 2017; and 14 the GASB 67/68 report dated September 29, 2017. 15 MS. CHAN: Thank you, Patricia. 16 This year there was two GASB reports 17 that were issued by my office to the Comptroller for the CAFR. One had to do with OPEC and the new 18 19 government accounting standards statement, it's 74. 20 And 75 is for the plan, and that we decided at the City to early implement 75. So 21 22 first year for 74 and also first year for 75, but 23 we early implemented that. 24 The report is available on the OA's website. And for the pension side this is GASB 25

1 77/78 report, also available on our website. And 2 details are that report, we have a TRS section for 3 the pension report. 4 These are very -- again, just to remind 5 everybody, these are accounting figures, so these liabilities aren't the same necessarily as the ones б 7 that would be used for funding purposes for the 8 pension contribution. 9 MS. REILLY: Thank you. 10 CHAIRPERSON ADLER: Questions for 11 Sherry? 12 (No response.) 13 Thank you. 14 MS. REILLY: Next on the agenda is the 15 executive director's report. And the first item is 16 the next meeting. It's been suggested that the 17 next regular meeting of the Teachers' Retirement 18 Board be held on the third Thursday of the month, November 16, 2017. 19 The second item on the executive 20 director's report is attendance at a conference. 21 22 And the following resolution is presented for 23 consideration and possible adoption. 24 Resolved, that the trustees of the Teachers' Retirement Board hereby approve the 25

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     attendance and participation of the executive
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     director and/or her designee and any interested
     trustees, at the 21st annual New York NASP
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 4
     Symposium, from November 16 through November 17,
     2017.
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                CHAIRPERSON ADLER: Is there a motion to
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 7
     approve that resolution?
                MR. KAZANSKY: So moved.
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                CHAIRPERSON ADLER: Is there a second?
                MS. PENNY: Second.
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11
                CHAIRPERSON ADLER: Thank you, Ms.
12
     Penny.
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                Any discussion?
14
                (No response.)
                Al in favor of the resolution to approve
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16
     attendance at the 21st Annual New York NASP
     Symposium, please say "Aye."
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                (A chorus of "Ayes.")
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19
                All opposed say "Nay."
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                Any abstentions?
21
                (No response.)
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                Motion carries.
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                MS. REILLY: Next is the calendar.
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     first item on the calendar is the matter of
     approval of the month of September 28, 2017 board
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1 meeting minutes.

CHAIRPERSON ADLER: Is there a motion to 2 approve the board meeting minutes for September 28, 3 4 2017? 5 MR. BROWN: So moved. CHAIRPERSON ADLER: Is there a second? б MS. PENNY: Second. 7 CHAIRPERSON ADLER: Any discussion? 8 9 (No response.) 10 All in favor of approving the minutes for the board meeting of September 28, 2017 please 11 say "Aye." 12 13 (A chorus of "Ayes.") 14 All opposed say "Nay." Any abstentions? 15 (No response.) 16 Motion carries. 17 MS. REILLY: Next item on the calendar, 18 you all should have received an electronic version 19 of the calendar and reviewed that. 20 21 MR. KAZANSKY: Could you please waive the reading of the calendar. 22 23 CHAIRPERSON ADLER: So, is there a 24 motion to approve the calendar? 25 MR. KAZANSKY: So moved.

1 CHAIRPERSON ADLER: Is there a second? MS. VICKERS: Second. 2 CHAIRPERSON ADLER: Discussion? 3 4 All in favor of the motion to approve the calendar, please say "Aye." 5 (A chorus of "Ayes.") б All opposed say "Nay." 7 Any abstentions? 8 9 (No response.) Motion carries. 10 Other business? Is there any other 11 business before the board today? 12 13 (No response.) 14 MR. McTIGUE: Mr. Chairman, this is more continuation of old business, just for completeness 15 16 of our calendar. We did have minutes on the 17 adoption, specifically the board meeting of 18 September 7th; the investment meeting June 21, and 19 the CIM minutes of September 20. We'll lay those 20 over if it pleases the board, and take them up next 21 month. 22 CHAIRPERSON ADLER: Any objections? 23 (No response.) 24 Sounds good. Thank you. MR. McTIGUE: Thank you. 25

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                CHAIRPERSON ADLER: I think we're up to
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     questions or comments from the public.
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                Any questions or comments from the
 4
    public?
 5
                (No response.)
                That concludes the agenda for today's
 б
    public session?
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                MS. REILLY: It does.
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                CHAIRPERSON ADLER: We have some
     executive session business.
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                Would there be a motion to enter into
     executive session?
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                MS. PENNY: I move, pursuant to Public
     Officers Law Section 105 to go into executive
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     session for discussion regarding specific
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16
     investment matters.
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                CHAIRPERSON ADLER: Is there a second?
                MR. KAZANSKY: Second.
18
                CHAIRPERSON ADLER: Discussion?
19
20
                (No response.)
                All in favor of the motion to enter
21
     executive session please say "Aye."
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23
                (A chorus of "Ayes.")
24
                All opposed say "Nay."
                Any abstentions?
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1 (No response.) Motion carries. 2 We are in executive session. 3 4 (Whereupon, the Board entered executive session.) 5 (Whereupon, the Board returned to public б 7 session.) CHAIRPERSON ADLER: Susan, would you 8 9 report out of executive session? 10 MS. STANG: A resolution concerning two investment managers was presented and discussed. 11 Consensus reached, which will be announced at the 12 13 appropriate time. 14 There was discussion about a next step 15 in a consulting contract. CHAIRPERSON ADLER: Thank you very much. 16 That concludes our business for today. 17 Is there a motion to adjourn. 18 19 MR. BROWN: So moved. 20 MS. VICKERS: Second. CHAIRPERSON ADLER: Discussion? 21 22 (No response.) 23 All in favor of the motion to adjourn 24 please say "Aye." 25 (A chorus of "Ayes.")

1	All opposed say "Nay."
2	Any abstentions?
3	We're adjourned.
4	(Time noted: 4:40 p.m.)
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1	CERTIFICATION
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3	I, Jeffrey Shapiro, a Shorthand
4	Reporter and Notary Public, within and for the
5	State of New York, do hereby certify that I
б	reported the proceedings in the within-entitled
7	matter, on Thursday, October 19, 2017, at the
8	offices of the NEW YORK CITY TEACHERS RETIREMENT
9	SYSTEM, 55 Water Street, New York, New York, and
10	that this is an accurate transcription of these
11	proceedings.
12	IN WITNESS WHEREOF, I have hereunto set
13	my hand this 21st day of October, 2017.
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19	JEFFREY SHAPIRO
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