0001 1 2 NEW YORK CITY TEACHERS' RETIREMENT SYSTEM 3 BOARD MEETING 4 5 6 Held on Thursday, June 18, 2020 via Videoconference 7 8 ATTENDEES: 9 DEBRA PENNY, Chairperson, Trustee 10 DAVID KAZANSKY, Trustee 11 THOMAS BROWN, Trustee 12 JOHN ADLER, Trustee 13 SUSANNAH VICKERS, Trustee 14 NATALIE GREEN-GILES, Trustee 15 RUSSELL BUCKLEY, Trustee CYNTHIA COLLINS, Mayor's Office 16 17 VALERIE BUDZIK, Teachers' Retirement System 18 PATRICIA REILLY, Teachers' Retirement System 19 20 REPORTED BY: 21 YAFFA KAPLAN 22 JOB NO. 4470364 23 24 25 0002 1 ATTENDEES (Continued): 2 3 THAD McTIGUE, Teachers' Retirement System 4 ANNETTE HANHARAN, Teachers' Retirement System 5 LIZ SANCHEZ, Teachers' Retirement System ISAAC GLOVINSKY, Teachers' Retirement System 6 7 MITCHELL FRUCHTER, Teachers' Retirement System 8 ANTHONY MEZZACAPPA, Teachers' Retirement System 9 SUSAN STANG, Teachers' Retirement System CARMELA CRIVELLI, Teachers' Retirement System 10 ANDREW BRADFORD, Teachers' Retirement System 11 KAVITA KANWAR, Teachers' Retirement System 12 13 RENEE PEARCE, Teachers' Retirement System NATARAJAN KRISHNAMOORTHY, Teachers' Retirement 14 15 System 16 KATE CHEN, Teachers' Retirement System 17 ROBERT BETHELMY, Teachers' Retirement System MARTA ROSS, ESQ., Law Department 18 SHERRY CHAN, Office of the Actuary 19 LINDA NELL 20 21 MATT LASKOWSKI 22 S. CAMPBELL 23 24 25 0003 1 Proceedings

MS. REILLY: Good afternoon. Welcome to 2 3 the Teachers' Retirement System board meeting 4 for June 18, 2020. I will start by calling 5 the roll if you give me one second. 6 John Adler? 7 MR. ADLER: Yes. I am here. 8 MS. REILLY: Thomas Brown? 9 MR. BROWN: I am here, Patricia. 10 MS. REILLY: Natalie Green-Giles? 11 MS. GREEN-GILES: Here. 12 MS. REILLY: David Kazansky? 13 MR. KAZANSKY: Present. 14 MS. REILLY: Russell Buckley? 15 MR. BUCKLEY: Present. 16 MS. REILLY: Debra Penny? 17 MS. PENNY: Here. 18 MS. REILLY: Susannah Vickers? 19 MS. VICKERS: Here. 20 MS. REILLY: Okay, so we have a quorum, 21 and the first item on the agenda is an update 22 from TRS operations. Kavita Kanwar will give 23 us that update. 24 MS. KANWAR: Good afternoon, everybody. 25 You can hear me, right? Recent New York State 0004 1 Proceedings 2 legislation provides an accidental death 3 benefit in certain cases where a member's death was caused by COVID-19. TRS is making 4 5 system updates and preparing applications for 6 eligible beneficiaries. 7 TRS's member education efforts have 8 continued during the pandemic period. By the 9 end of June, we will have completed 17 online 10 sessions of Getting Ready for Retirement, 11 serving close to 600 members. TRS has 12 identified approximately 1,200 memberships 13 that will expire by August 31, 2020. TRS will 14 notify these members by letters beginning in 15 late June. That's it. Thank you. 16 MS. REILLY: Thank you, Kavita. 17 MS. PENNY: Patricia, on behalf of all 18 the members, I want to thank TRS for all the 19 work they have been doing keeping the website 20 updated with all the information about COVID 21 and especially about the COVID law, just 22 helping the members all the time, the e-mails, the Facebook page. It's all been very 23 24 helpful, so thank you for all of your work. 25 MS. REILLY: Thank you. I will pass 0005 1 Proceedings 2 that on. Thank you, Debra. MR. ADLER: Can I just ask a question? 3

I am not sure if I direct it at Kavita or at 4 5 Valerie. But at several of the other boards -- so it's regarding the COVID 6 7 accidental death benefits law, which 8 authorizes the systems to make rules for 9 implementation and at several of the other 10 boards there have been rules that have been 11 submitted to the Board for approval for the 12 implementation and I just wondered what the 13 status of that was here at TRS. 14 MS. REILLY: Well, I think -- I mean, 15 John, I think from a TRS perspective, we are following the law as it's written and any 16 17 policies or procedures that we are putting in 18 place, you know, as the executive director --19 even in the legislation it mentions that the 20 executive director, for instance, has some 21 authority. So we are just following what the 22 law says. We are not doing anything that's 23 outside of what the legislation calls for that 24 we would have to come to the Board for, we 25 don't believe. Valerie, if you feel you want 0006 1 Proceedings 2 to speak, that's fine too. 3 MS. BUDZIK: I am unmuting myself. Yes. 4 That is -- the law is actually fairly precise 5 in terms of what is required. There was some 6 discussion on process, but you know, internal 7 procedures for reviewing the applications. 8 But that is something that, you know, we typically do through just procedures and 9 10 internal processes and bring those to the 11 Board. As you know, our whole process -- I 12 mean, this is an accidental death benefit but 13 processes involving potentially the medical 14 board are just different at TRS than they are 15 at the other boards. 16 MS. REILLY: And I would also mention 17 that NYCERS bylaws require that they bring 18 those things to the board where our bylaws 19 don't have such a requirement. 20 MR. ADLER: I understand. So can I ask 21 a question? Are you planning for those 22 members who don't have COVID listed as a cause 23 of death or contributing to death on the death 24 certificate, are you planning to require more 25 than a medical provider certification such as 0007 1 Proceedings 2 documentation beyond that or not? I am just 3 curious because that's been an issue. 4 MS. REILLY: Well, I think the 5 legislation is clear that as long as they

6 have, you know, certification from a medical 7 professional which they outline in the 8 legislation, then we can accept that as proof 9 that the death was caused or contributed by 10 COVID. Correct, Valerie? 11 MS. BUDZIK: Yes. 12 MS. REILLY: I just wanted to confirm, 13 but that's just how we are implementing it. 14 MR. ADLER: I appreciate it. Just 15 wanted that information. 16 MS. REILLY: All right. So next on the 17 agenda is a report from the actuary. Sherry? MS. CHAN: Thank you, Patricia. I don't 18 19 have share screen abilities. I don't know if 20 I can be authorized to do that or Liz can help 21 me pull up my report. 22 MS. REILLY: Liz, do you want to pull up 23 Sherry's report? 24 MS. CHAN: Or you can give me share 25 screen abilities. I will go ahead and start. 0008 1 Proceedings 2 You guys can ask me if you have any questions. 3 It was sent out to the Board already. 4 So there are eight fiscal notes that 5 went out since the last time we met. You know, it was the peak of the fiscal note 6 7 season, so it is on the higher number of 8 sides. Out of the eight, one of them had to 9 do with COLA, four of them had to do with 10 COVID, and three of them had to do with World Trade Center. 11 12 The COLA fiscal note was to reduce the 13 age eligibility for COLA. So right now you 14 have to be age 62 with having retired at least 15 five years before you get your first COLA for 16 service to vested retirees, and this bill 17 would have dropped the age eligibility to 55 18 instead of 62 and you still had to have been 19 retired for five years. COLAs do cost a lot 20 of money because it's a compounded number, so 21 for just TRS itself it would increase the 22 contributions by 28 million. And then we get 23 into a series of four different COVID bills. 24 This was done over Memorial Weekend. Very, 25 very fun. And the first iteration was -- it 0009 1 Proceedings 2 included death benefits. I'm sorry. It 3 included death gamble rather, and it also 4 included any NYCRS members, New York City 5 Retirement System members, not just those that 6 were asked to, you know, report on the job, 7 but people working from home. So that cost --

8 we did this on a per person basis because we 9 didn't have the data to cost out the entire cost and this would have increased the 10 11 contributions for TRS by 36,400 for each death 12 case. And then a couple of days later, they 13 had another iteration of the bill. It took 14 out the death gamble and also disqualified 15 people reporting at home. So needed reporting 16 to the jobsite and added the stipulation that 17 you needed to have contracted it within 45 18 days. So this dropped the cost a little bit, 19 so it was 35,100 for TRS for each case. 20 The third iteration put in some changes 21 for the qualification. We talked a little bit 22 about this just now about having a death 23 certificate, you know, would suffice for 24 documentation, and COVID could not necessarily 25 have to be the leading cause of death but just 0010 1 Proceedings 2 contributed to the fact that someone had died 3 and also allowed health practitioners from 4 outside the state, for example, to be allowed 5 to be the one to certify that COVID, the virus, of having the virus and this was 6 7 because a lot of the volunteers that you might recall from across the country came to 8 New York to help us out during the peak of the 9 10 pandemic and so they didn't want to disqualify 11 those healthcare practitioners who might not 12 have been licensed here in New York and also, 13 you know, for I think some of the teachers who 14 might live across the river in New Jersey, 15 allowed the health practitioners over there to 16 certify the death as well. And because this 17 affected just the qualification, it didn't 18 really affect -- it affected the number of 19 people who would get it but not the amount 20 that they would get. So because we are doing 21 this on a per cost basis per person basis, it 22 didn't actually affect the members so stayed 23 at 35,100. 24 And the fourth iteration, which was the 25 one that passed, included a sunset, so to 0011 1 Proceedings 2 speak, of having to basically lop this off at 3 December 31, 2020. So if the death occurred 4 by then, then you wouldn't qualify for it. 5 Again, because it affected the qualification, 6 not the amount of benefits, it doesn't affect 7 the cost and remained at 35,100. 8 The last three fiscal notes had again to do with the World Trade Center. The first one 9

was allowing an online submission to test to 10 11 filing for notice of participation, so right 12 now it's only done through hard copy but this 13 would allow it to be done online. There was 14 -- we foresee an increase or decrease in the 15 cost depending on the retirement system that 16 we talked to but it ended up being de minimis, 17 either the increase or decrease and the reason 18 for potentially the decrease in cost is 19 because once everything is online, there is 20 less manual labor that's needed to process the 21 application, but at first there might be some 22 IT cost that's associated with adding to the 23 administrative expenses. 24 The next one -- the next two actually 25 had to do with people who volunteered during 0012 1 Proceedings 2 the rescue, recovery, and cleanup during 9/11. 3 If they weren't members before and they 4 subsequently became members, then, you know, 5 this would allow them to -- it would have been 6 presumed a World Trade Center disability or 7 death. And this would cost 37,900 in additional contributions for TRS if it was a 8 9 disability case. And if it was a death case, 10 it would have been 32,400. The last fiscal note is very similar 11 12 almost. Just saying if you were a federal 13 sworn agent that, you know, you weren't a 14 NYCRS member at the time of 9/11 but 15 participated in the rescue, recovery, and 16 cleanup and then subsequently became a NYCRS 17 member, it allowed you that presumption as 18 well. So the cost remained the same: 37,900 19 for disability and 32,400 for death. I am 20 happy to take any questions if there are any. 21 MS. REILLY: Thank you, Sherry. 22 MS. PENNY: Okay, thank you. We are 23 going to take a little pause and go into executive session now. Do I have a motion to 24 go into executive session? 25 0013 1 Proceedings 2 MR. BROWN: So moved, Tom Brown. 3 MS. VICKERS: Second, Susannah Vickers. 4 MS. PENNY: Thank you, Susannah Vickers. 5 Any discussion? All in those in favor, please 6 say aye. Aye. 7 MS. VICKERS: Aye. 8 MR. BROWN: Aye. 9 MS. GREEN-GILES: Aye. MR. KAZANSKY: Aye. 10 11 MR. ADLER: Aye.

12 MR. BUCKLEY: Aye. 13 MS. PENNY: Thank you. Any opposed? 14 Any abstentions? So we are going into -- so I 15 think we can stay where we are. 16 MS. SANCHEZ: Everybody else can just 17 stay here. They don't have to do anything. 18 19 20 21 22 23 24 25 0014 1 Proceedings 2 MS. PENNY: All right. We are back in 3 public session. Susan, will you please read 4 out? 5 MS. STANG: In executive session three renewal contracts were discussed. Consensus 6 7 was reached, which will be announced at the 8 appropriate time. There was a discussion on 9 the expense ratio within the variable funds. 10 MS. PENNY: Thank you, Susan. 11 Patricia, the executive director's 12 report. 13 MS. REILLY: So next on the executive 14 director's report is the next meeting, and 15 it's suggested that the next regular meeting 16 of the Teachers' Retirement Board be held on 17 the third Thursday of the month, September 17, 18 2020. So we should all mark our calendars. 19 Next on the executive director's report 20 is the resolution to authorize the Comptroller 21 of the City of New York to invest certain QPP 22 funds. 23 MR. KAZANSKY: Patricia, please waive 24 the reading. 25 MS. REILLY: Okay. 0015 1 Proceedings 2 MS. PENNY: Okay. So do we have a 3 motion to approve that resolution of the 4 authorization to the Comptroller? 5 MR. BROWN: So moved. 6 MS. PENNY: Thank you, Mr. Brown. Do we 7 have a second? 8 MR. KAZANSKY: Second. 9 MS. PENNY: Thank you, Mr. Kazansky. Ts 10 there any discussion? All those in favor, 11 please say aye. Aye. 12 MS. VICKERS: Aye. 13 MR. BROWN: Aye.

14 MS. GREEN-GILES: Aye. 15 MR. KAZANSKY: Aye. 16 MR. ADLER: Aye. 17 MR. BUCKLEY: Ave. 18 MS. PENNY: Thank you. Any opposed? 19 Okay, great. Motion carries. 20 MS. REILLY: Okay. Next on the 21 executive director's report is the 22 authorization to the Comptroller of the City 23 of New York to invest certain Tax-Deferred 24 Annuity funds. 25 MR. KAZANSKY: Please waive the reading. 0016 1 Proceedings 2 MS. PENNY: Thank you. Do we have a 3 motion to approve the authorization to the Comptroller of the City of New York to invest 4 5 certain Tax-Deferred Annuity funds? 6 MR. ADLER: So moved. 7 MS. PENNY: Thank you, Mr. Adler. Do we 8 have a second? 9 MR. BROWN: Second, Tom Brown. MS. PENNY: Thank you, Mr. Brown. 10 Any 11 discussion? All those in favor, please say 12 aye. Aye. 13 MS. VICKERS: Aye. 14 MR. BROWN: Aye. 15 MS. GREEN-GILES: Aye. MR. KAZANSKY: Aye. 16 17 MR. ADLER: Aye. 18 MR. BUCKLEY: Aye. 19 MS. PENNY: Thank you. Any opposed? 20 Okay. Motion carries. 21 MS. REILLY: Next is to authorize the continuation of basis point fee for variable 22 23 annuity programs. "Whereas, the Teachers' 24 Retirement System currently applies an expense 25 fee of 18 basis points annually, 1.5 basis 0017 1 Proceedings 2 points monthly, to all qualified pension plan 3 and tax-deferred assets in the Variable Funds 4 of TRS' Tax-Deferred Annuity Program, to cover certain administrative fees associated with 5 operation of the Variable Funds; and whereas, 6 7 TRS staff has reviewed revenue generated from 8 the expense fee during Fiscal Year 2020 and 9 estimates such revenue will be approximately 10 28 million, which revenue is anticipated to 11 cover the expected range of Fiscal Year 2020 12 administrative expenses; and whereas, the 13 Board accepts the recommendation of TRS staff 14 to continue the 18 basis points fee through fiscal year 2021 and to roll into the Variable 15

Fund unit values, on a pro rata basis any 16 17 expense revenue that may exist at the end of 18 this Fiscal Year in accordance with TRS 19 processes; and whereas, TRS will continually 20 monitor revenue from the expense fee and any 21 material change in its assumptions or 22 experience relating to the expense fee; 23 therefore, be it resolved that the 24 administrative expense charges for assets in 25 the Variable Annuity Funds shall continue at 0018 1 Proceedings 2 18 basis points through Fiscal Year 2021; and 3 be it further resolved that any excess expense fee revenue that may exist at the end of this 4 5 Fiscal Year 2020 shall be rolled into the Variable Fund unit values, on a pro rata 6 7 basis, in accordance with TRS processes; and 8 be it further resolved, that the TRS staff 9 shall continually monitor and review revenue 10 from the expense fee and shall notify the 11 Board of any material changes in assumptions or experience that may impact the expense 12 13 fees." 14 MS. PENNY: Thank you, Patricia. Is 15 there a motion to authorize the continuation 16 of the basis point fee for the variable annuity programs? 17 18 MR. BROWN: So moved. 19 MS. PENNY: Thank you, Mr. Brown. Is 20 there a second? 21 MR. KAZANSKY: Second. 22 MS. PENNY: Thank you, Mr. Kazansky. Is 23 there any discussion regarding this? Okay. 24 All those in favor, please say aye. Aye. 25 MS. VICKERS: Aye. 0019 1 Proceedings 2 MR. BROWN: Aye. 3 MS. GREEN-GILES: Aye. MR. KAZANSKY: Aye. 4 5 MR. ADLER: Aye. 6 MR. BUCKLEY: Aye. 7 MS. PENNY: Any opposed? Any 8 abstentions? Okay. Motion carries. 9 MS. REILLY: Next is attendance at a 10 digital conference. "Resolved, that the 11 Trustees of Teachers' Retirement Board hereby 12 approve the attendance and participation of 13 the Executive Director and/or her designee(s), 14 and any interested Trustee, at the Fiduciary 15 Investors Digital Symposium 2020, from June 16 23rd through the 24, 2020. 17 MS. PENNY: I like that. Digital

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    symposium. Okay. Is there a motion to
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     approve that?
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          MR. ADLER: So moved.
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          MS. PENNY: Thank you, Mr. Adler. Is
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    there a second?
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          MR. BROWN: Second.
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          MS. PENNY: Thank you, Mr. Brown.
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     discussion? All those in favor, please say
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     aye. Aye.
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          MS. VICKERS: Aye.
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          MR. BROWN: Aye.
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          MS. GREEN-GILES: Aye.
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          MR. KAZANSKY: Aye.
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          MR. ADLER: Aye.
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          MR. BUCKLEY: Aye.
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          MS. PENNY: Any opposed? All right.
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    Motion carries.
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          MS. REILLY: So next on the agenda is
    the calendar, and the first matter on the
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    calendar is the approval of the minutes for
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    the month of May 7th investment meeting and
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     the May 21st board meeting minutes.
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          MS. PENNY: Okay. Do I hear a motion to
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     approve the minutes of the May 7th and the May
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     21st meetings?
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          MR. KAZANSKY: So moved.
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          MS. PENNY: Thank you, Mr. Kazansky.
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    there a second?
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          MR. ADLER: Second.
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          MS. PENNY: Okay. Thank you, Mr. Adler.
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     Any discussion?
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          MR. BUCKLEY: I think my name is still
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     in those minutes as Christopher, but other
    than that I will just --
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          MS. PENNY: Probably would be easier to
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    just change your name. Thank you. So noted.
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    All those in favor? Aye.
          MS. VICKERS: Aye.
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          MR. BROWN: Aye.
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          MS. GREEN-GILES: Aye.
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          MR. KAZANSKY: Aye.
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          MR. ADLER: Aye.
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          MR. BUCKLEY: Aye.
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          MS. PENNY: Any opposed? Okay. They
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     are approved.
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          MS. REILLY: Next are the items on the
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     calendar. You all received an electronic
    version of the calendar, and if you would like
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    to, I will read the items.
          MR. KAZANSKY: No, that's okay. I think
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20 you can waive the reading of the calendar. 21 MS. REILLY: Thank you. 22 MS. PENNY: Do I hear a motion to approve the calendar? 23 24 MR. BROWN: So moved. 25 MS. PENNY: Thank you, Mr. Brown. Do I 0022 1 Proceedings 2 hear a second? 3 MR. KAZANSKY: Second. 4 MS. PENNY: Thank you, Mr. Kazansky. 5 Any discussion? Okay. All those in favor, please say aye. Aye. 6 7 MS. VICKERS: Aye. 8 MR. BROWN: Aye. 9 MS. GREEN-GILES: Aye. 10 MR. KAZANSKY: Aye. 11 MR. ADLER: Aye. 12 MR. BUCKLEY: Aye. 13 MS. PENNY: Thank you. Any opposed? 14 Okay. We've approved the calendar. 15 MS. REILLY: Next is other business and 16 you all received the draft of the 2021 board 17 meeting and investment meeting calendar 18 schedule, so take a look at that and compare 19 it with your other schedules and get back to 20 us if there are any conflicts. MR. ADLER: I just have one question. 21 22 Can I -- or I don't have to do it here. The 23 October meeting was moved from -- October 24 regular board meeting was moved from Thursday 25 to Wednesday but it says Wednesday, October 0023 1 Proceedings 2 15th and I think the Wednesday is actually 3 October 14th. 4 MS. SANCHEZ: That's a typo. So --5 MR. ADLER: So what date should it be? 6 MS. SANCHEZ: It should be October 1st 7 and October 15th. 8 MR. ADLER: But October 15th is a 9 Thursday, not a Wednesday. That's what I am 10 saying. 11 MS. SANCHEZ: So I need to fix that. 12 MS. PENNY: So should it be the Wednesday or the Thursday? 13 14 MS. SANCHEZ: No, it should be the 15 Thursday. Our meeting is on Thursday. Yes, 16 I'm sorry. Unless there is a conflict then we 17 will switch the dates, but our meetings are 18 usually always on the first Thursday and the 19 third Thursday. 20 MR. ADLER: Yes. I think that's fine. 21 That's the thing I was unclear about. Thank

22 you. 23 MS. SANCHEZ: You're welcome. 24 MS. REILLY: Also just wanted to let the 25 Board know that the five executive directors 0024 1 Proceedings 2 and their general counsel met with the new 3 director of the law department. We, you know, wanted to meet and talk about some issues that 4 5 we were having with communication with the law department. He was very receptive and he is 6 7 going to -- he wants to work on making sure 8 that we have frequent communications so that, 9 you know, we are able to discuss all the 10 issues that impact the retirement systems. So 11 it was a very good meeting. That's it. MS. PENNY: Okay. 12 13 MS. REILLY: So next on the agenda are 14 questions and comments from the public? So if 15 you are a member of the public, if you could raise your hand on your Zoom meeting to let us 16 17 know if you have any questions or comments. 18 And Liz, if you see any hands raised, let us 19 know. 20 MS. SANCHEZ: They left. 21 MS. REILLY: They left. We should have 22 made clear we were coming back. 23 MS. SANCHEZ: I did. I told them you 24 would be back. 25 MS. REILLY: Okay. All right. So 0025 1 Proceedings 2 seeing no questions or comments from the 3 public --4 MS. PENNY: All right. Do I have a motion to adjourn? 5 6 MR. BROWN: So moved, Tom Brown. 7 MS. PENNY: Thank you, Mr. Brown. Do I 8 have a second? 9 MS. VICKERS: Second, Susannah Vickers. MS. PENNY: Thank you, Susannah. Any 10 11 discussion? All those in favor of adjourning, 12 please say aye. Aye. 13 MS. VICKERS: Aye. 14 MR. BROWN: Aye. MS. GREEN-GILES: Aye. 15 16 MR. KAZANSKY: Aye. 17 MR. ADLER: Aye. 18 MR. BUCKLEY: Aye. 19 MS. PENNY: Thank you. Any opposed? 20 Okay. We are adjourned. 21 MR. BROWN: Thank you, Madam Chair. 22 (Time noted: 4:29 p.m.) 23

Proceedings CERTIFICATE STATE OF NEW YORK ) : ss. COUNTY OF QUEENS ) I, YAFFA KAPLAN, a Notary Public within and for the State of New York, do hereby certify that the foregoing record of proceedings is a full and correct transcript of the stenographic notes taken by me therein. IN WITNESS WHEREOF, I have hereunto set my hand this 29th day of June, 2020. YAFFA KAPLAN