NEW YORK CITY TEACHERS' RETIREMENT SYSTEM BOARD MEETING б Held on Thursday, September 26, 2019, at 55 Water Street, New York, New York ATTENDEES: DEBRA PENNY, Chairperson, Trustee DAVID KAZANSKY, Trustee THOMAS BROWN, Trustee JOHN ADLER, Trustee JOHN DORSA, Trustee RUSSELL BUCKLEY, Trustee NATALIE GREEN-GILES, Trustee PATRICIA REILLY, Teachers' Retirement System VALERIE BUDZIK, Teachers' Retirement System REPORTED BY: YAFFA KAPLAN JOB NO. 4467377 ATTENDEES (Continued): THAD McTIGUE, Teachers' Retirement System KAVITA KANWAR, Teachers' Retirement System RONALD SWINGLE, Teachers' Retirement System ANNETTE HANHARAN, Teachers' Retirement System б LIZ SANCHEZ, Teachers' Retirement System CARMELA CRIVELLI, Teachers' Retirement System ANTHONY MEZZACAPPA, Teachers' Retirement System NATARAJAN KRISHNAMOORTHY, Teachers' Retirement System PAUL RAUCCI, Teachers' Retirement System RENEE PEARCE, Teachers' Retirement System BRYAN BERGE, ESQ., Law Department SHERRY CHAN, Office of the Actuary Proceedings

MS. REILLY: Good afternoon. Welcome to 2 3 the Teachers' Retirement Board meeting for 4 September 26, 2019. I will start by taking 5 the roll. б John Adler? 7 MR. ADLER: Here. 8 MS. REILLY: Thomas Brown? 9 MR. BROWN: Here. MS. REILLY: Natalie Green-Giles? 10 11 MS. GREEN-GILES: Here. 12 MS. REILLY: David Kazansky? 13 MR. KAZANSKY: Present. MS. REILLY: I have the wrong person 14 15 here. Russell Buckley? 16 MR. BUCKLEY: Here. 17 MS. REILLY: Debra Penny? MS. PENNY: Here. 18 19 MS. REILLY: And John Dorsa? 20 MR. DORSA: John Dorsa, here. MS. REILLY: We have a guorum. 21 So the 22 first item on the agenda is an update from TRS 23 operations, and Kavita Kanwar will give us 24 that. 25 Thank you, Patricia. MS. KANWAR: 0004 1 Proceedings Nearly 2,100 members retired over the 2 3 summer with the retirement date between June 4 and September. 96 percent of these members 5 are receiving advance payments of finalized б retirement benefits as of September's payroll. 7 Over 10,000 members elected to increase their 8 TDA contribution rates in advance of the retroactive payment that they will receive on 9 10 October 15th under the UFT contract. The 11 retroactive payment provides members a rare 12 opportunity to make a large one-time deposit 13 into their TDA account. TRS contacted 14 eligible members by e-mail with instructions 15 for adjusting their TDA rates before and after the payment. 16 17 TRS conducted an e-mail campaign to 18 members who need to receive a required 19 distribution or RMD for their TDA account. 20 Nearly 12,000 members who received an RMD 21 notification in the spring but did not file an 22 election received an e-mail in July and a 23 follow-up e-mail earlier in September. Those 24 who do not file an election will receive a 25 distribution at year-end. Beginning with the 0005 1 Proceedings 2 October 30, 2019 board meeting, all board 3 materials will be made available to the board

4 members using the Convene app. 5 MS. REILLY: Thank you, Kavita. Next is 6 a report from the Actuary. 7 MS. CHAN: Thank you. So the first item 8 is the fiscal notes report. There were 9 actually some fiscal notes that were issued 10 over the summer even after the end of the 11 legislative session just because we might have 12 got the data late or because we were told by 13 our state contact that it was a priority for 14 the legislative session. 15 So there were three fiscal notes. First 16 one might sound familiar. This is the foreign 17 equities investment cap. We actually had done 18 this before, but instead of raising the cap 19 from 10 percent to 30 percent, this revised 20 legislation was raising it from 10 percent to 21 20 percent. I think there was a little bit 22 more support for raising it to 20 percent at 23 the time. There was no cost changed to it 24 just because the initial one said there was 25 minimal to no impact to the employer 0006 1 Proceedings 2 contribution and this was similar. 3 The second fiscal note has to do with 4 the cost-of-living adjustment. Currently, 5 spouses of retirees who elect to a joint б survivor annuity are allowed to have 50 7 percent of the COLA that the retiree received 8 when they were alive. This is changing it from 50 percent to 100 percent. And the cost 9 10 on that would be 4.2 million dollars in the 11 first year of contributions. 12 The last fiscal note has to also do with 13 cost-of-living adjustment, and it was changing 14 the requirement. So currently you have to be either -- attain 62 years of age and have 15 16 retired five years of service or attain 55 17 years of age and retire for ten years in order 18 to get your COLA. This legislation would 19 change the age requirement to 55 and keeping 20 the five years of service or five years of 21 retirement. The first-year employer 22 contribution increase would have been 29.7 23 million dollars. And my understanding is none 24 of these passed before -- during this summer. 25 The second item is just a note that the 0007 1 Proceedings 2 GASB 74/75 report was issued earlier this 3 month. This is a report that basically states 4 the accounting numbers for the OPEB, the 5 retiree health care benefits for the city, and 6 that report is available on the OA's website 7 under the reports tab if you are interested in 8 taking a look.

9 And the last item is the TDA lower 10 insurance premium rate. This might sound familiar because we recently did the QPP loan 11 12 insurance premium rate, and again, this is 13 when members borrow from either the QPP money 14 or the TDA money, they are required to 15 purchase insurance for it. In case that they 16 do not pay off the loan before they die, their 17 beneficiary would get a reduction in the retirement benefit. So they -- this insurance 18 19 basically is the payout for -- it is the 20 amount that they would have needed to pay back 21 on their loan so there is no reduction. This is done, you know, according to the resolution 22 23 that was passed previously setting this 24 program up that this is -- this should be 25 reviewed once every five years, which is on a 0008

Proceedings

1

1

2 different schedule than a QPP and that's why this wasn't brought at that time. 3 In the past it's also been done on a different time frame 4 5 within that five years than the QPP. If you б recall, the QPP rate is adopted every year on 7 July 1st. So the intent is to put this on the 8 same calendar, same time frame to do it as a 9 QPP going forward after this so that 10 everything is little bit more consistent.

11 We are also looking at the loan balances 12 to see the reserve balances -- I should say to 13 make sure that they are consistent. We are 14 talking with TRS accounting to make sure that, 15 you know, we get consistency. So you might 16 see this again within the next five years. 17 Just giving you a heads up, but the rate

Just giving you a heads up, but the rate 18 is currently at 0.3 percent. The 19 recommendation is to keep it at 0.3 percent. 20 If you recall, for QPP we reduced the rate 21 from 0.2 to 0.1 percent, and the reason why 22 it's higher for the TDA is because under the 23 TDA program, retirees can take loans out on 24 their balance whereas QPP once you retire, you 25 annuitize and there is no loan to be taken 0009

Proceedings

out. So because retiree mortality is a little bit higher than active service teachers retirees, that's why this rate is a little bit higher. So this rate is tacked onto the interest rate that is charged that the members would be paying on their loan, so this is an

```
8
     additional 0.3 percent.
 9
           MR. ADLER: What's the interest rate?
10
           MS. CHAN: The interest rate is 7.87
11
     percent for UFT members and 8.25 for nonUFT.
12
           MS. REILLY: Thank you.
13
           Next is the executive director's report
14
     and the first item is the matter of the next
15
     meeting and it's been suggested that the next
     regular meeting of the Teachers' Retirement
16
17
     Board be held on the fifth Wednesday of the
18
     month, October 30, 2019. So mark your
19
     calendars.
20
           MR. ADLER: That's unusual.
21
           MS. REILLY: It is unusual.
22
           MR. ADLER: I think it's already on our
23
     calendars, right?
           MR. DORSA: It's one day premature but
24
25
     may I wear a costume?
0010
 1
                    Proceedings
           MS. REILLY: You are not wearing one
 2
 3
     right now?
 4
           So the next item on the executive
 5
     director's report is the authorization to the
 б
     Comptroller of the City of New York to invest
 7
     certain QPP funds.
 8
           MR. KAZANSKY: Please waive the reading.
 9
           MS. PENNY: Is there a motion?
           MR. ADLER: So moved.
10
           MS. PENNY: Thank you, Mr. Adler.
11
                                              Ts
12
     there a second?
13
           MR. BROWN: Second.
           MS. PENNY: Any discussion? All those
14
15
     in favor? Aye.
16
           MR. DORSA: Aye.
17
           MR. ADLER: Aye.
18
           MS. GREEN-GILES: Aye.
19
           MR. BROWN: Aye.
20
           MR. KAZANSKY: Aye.
21
           MR. BUCKLEY: Aye.
           MS. PENNY: All opposed?
22
23
           MR. DORSA:
                      Thank you.
24
           MS. PENNY: The motion carries.
25
           MS. REILLY: The next item is the
0011
 1
                    Proceedings
 2
     authorization to the Comptroller of the City
 3
     of New York to invest certain tax-deferred
     annuity funds.
 4
 5
           MR. KAZANSKY: Again, please waive the
 б
    reading.
 7
           MS. PENNY: Is there a motion?
           MR. BROWN: So moved.
 8
 9
           MS. PENNY: Thank you, Mr. Brown.
                                              Is
```

there a second? 10 11 MS. GREEN-GILES: Second. 12 MS. PENNY: Any discussion? All in 13 favor? Aye. MR. DORSA: 14 Aye. 15 MR. ADLER: Aye. 16 MS. GREEN-GILES: Aye. 17 MR. BROWN: Aye. 18 MR. KAZANSKY: Aye. MR. BUCKLEY: Aye. 19 20 MS. PENNY: Any opposed? Motion 21 carries. 22 MS. REILLY: Thank you. 23 MS. REILLY: The next item is the 24 request for the Board of Trustees to adopt the 25 Actuary's recommendation regarding the 0012 1 Proceedings 2 Tax-Deferred Annuity Loan Insurance Premium Rate for loans originating on or after October 3 4 1, 2019. 5 MR. KAZANSKY: Please skip to the б resolved. 7 MS. REILLY: Resolved, that the Board of 8 Trustees hereby adopts the recommendation of 9 the Actuary as stated in her report dated 10 September 13, 2019 and stipulates the TDA 11 Program Loan Insurance Premium Rate be 12 continued at .30 percent per annum of the 13 outstanding loan balance for any TDA loans 14 originating on or after October 1, 2019. 15 MS. PENNY: Is there a motion? 16 MR. KAZANSKY: So moved. 17 MS. PENNY: Thank you, Mr. Kazansky. Is 18 there a second? 19 MR. ADLER: Second. 20 MS. PENNY: Thank you, Mr. Adler. Any 21 discussion? All those in favor? Aye. 22 MR. DORSA: Aye. 23 MR. ADLER: Aye. 24 MS. GREEN-GILES: Aye. 25 MR. BROWN: Aye. 0013 1 Proceedings 2 MR. KAZANSKY: Aye. 3 MR. BUCKLEY: Aye. 4 MS. PENNY: Any opposed? Motion 5 carries. MS. REILLY: Next is attendance at a б 7 conference. The following resolution is presented for consideration and possible 8 9 adoption: Resolved, that the Trustees of the Teachers' Retirement Board hereby approve the 10 11 attendance and participation of the Executive

12 Director and/or her designees and any 13 interested Trustee at the National Council on 14 Teacher Retirement's 97th Annual Conference 15 from October 12th through the 15, 2019. 16 MS. PENNY: Is there a motion? 17 MR. DORSA: So moved. 18 MS. PENNY: Thank you, Mr. Dorsa. Is 19 there a second? MR. KAZANSKY: Second. 20 21 MS. PENNY: Any discussion? Okay. All 22 in favor? Aye. 23 MR. DORSA: Aye. 24 MR. ADLER: Aye. 25 MS. GREEN-GILES: Aye. 0014 1 Proceedings 2 MR. BROWN: Aye. 3 MR. KAZANSKY: Aye. 4 MR. BUCKLEY: Aye. 5 MS. PENNY: Any opposed? Motion б carries. 7 MS. REILLY: Next is the calendar and 8 you all should have received an electronic version of the full calendar. The first item 9 10 on the calendar is the matter of the approval of all of the minutes for the months of June 11 12 6, 2019 investment meeting minutes, the June 13 19, 2019 CIM minutes, and the June 20, 2019 14 board meeting minutes. 15 Do we want to adopt? 16 MS. PENNY: Is there a motion? MR. KAZANSKY: So moved. 17 MS. PENNY: Is there a second? 18 19 Second. MR. BROWN: 20 MS. PENNY: Any discussion? All those 21 in favor? Aye. 22 MR. DORSA: Aye. 23 MR. ADLER: Aye. 24 MS. GREEN-GILES: Aye. 25 MR. BROWN: Aye. 0015 1 Proceedings 2 MR. KAZANSKY: Aye. 3 MR. BUCKLEY: Aye. 4 MS. PENNY: Any opposed? Motion 5 carries. б MS. REILLY: Next is the calendar itself 7 or just adopt the whole calendar. 8 MS. BUDZIK: I think David waives the 9 reading. 10 MR. KAZANSKY: I would ask to waive the 11 reading of the calendar. All calendars, in fact, in this package. 12 13 MS. PENNY: Is there a motion to adopt

all calendars in the packet? 14 15 MR. BROWN: So moved. 16 MR. DORSA: Second. 17 MS. PENNY: Is there any discussion? 18 All those in favor? Aye. 19 MR. DORSA: Aye. 20 MR. ADLER: Aye. 21 MS. GREEN-GILES: Aye. MR. BROWN: Aye. 22 23 MR. KAZANSKY: Aye. 24 MR. BUCKLEY: Aye. 25 MS. PENNY: Thank you. Any opposed? 0016 1 Proceedings 2 Motion carries to approve and accept all 3 calendars. 4 MS. REILLY: So next on the agenda is 5 other business. We did send out with the б executive director's report the IV&V report 7 from the vendor who is doing our modernization review. So you all received that. I did want 8 9 to say that in May we went live with Phase IV, 10 which is primarily death benefit claimant -the death benefit claimant process. 11 12 When we went live, there were some 13 quality issues both with the data that was 14 converted from the old system to the new 15 system and some quality issues with the 16 functionality that was provided. So there 17 were, you know, some delays as we had to 18 respond to, you know, fixing some of the data 19 that was moved over as well as fixing some of 20 the functionality. So we have delayed and right now we are -- we have got everything 21 22 running smoothly that should have been running 23 smoothly in May. We are now processing all of 24 our claimants and paying our beneficiaries 25 through the new system, but we did have a 0017 1 Proceedings 2 delay in the project because of some of the 3 quality and data issues. And that's all I 4 have to say unless you have any questions. 5 MS. GREEN-GILES: Just a question on б Did the delay impact the beneficiaries, that. 7 or did you run just parallel systems so the 8 benefits would be paid in the same time frame? 9 MS. REILLY: No. The delay impacted our 10 beneficiaries. So our lesson learned and we are going to be looking at our future 11 12 implementations for the phases that are coming 13 up to do a parallel rather than to impact the 14 members -- well, it was the beneficiaries of 15 our members -- the way that they were with

16 this time. So there was some negative impact 17 on some of our beneficiaries, which we deeply 18 regret. 19 MS. PENNY: Moving forward, once all the 20 paperwork is filled out and the death certificate and they fill out whatever forms, 21 22 what is the time frame approximately? 23 MS. REILLY: So we are talking about 24 that. So it's a two-step process because 25 first we -- we receive a notification of 0018 1 Proceedings death. Once we received a notification of 2 3 death, we send out the information, what we 4 call a beneficiary letter letting them know what their benefit is going to be and then we 5 б follow up giving them a claim form to go 7 online and to -- well, excuse me. So we send 8 out the benefit letter and we ask them to send 9 us the death certificate. So then that's the 10 first process. Right. And then once we receive the death certificate, we send out the 11 12 claim code number for them to go on and to 13 submit the claim. So we are -- so in order for us to get the benefit letter out, in order 14 15 for -- we said that it's going to be like a 16 three-week, four-week turnaround. Then once 17 we get the death certificate, it's from there 18 forward that we are looking at. 19 MS. PENNY: So they fill out the claim 20 form, and then how long do they expect? 21 MS. REILLY: Once they fill out the 22 claim form, they should expect it any time 23 within one to two months of receiving -- of us 24 receiving their claim form, but there is like 25 a month before that where we are going back 0019 1 Proceedings 2 and forth asking for the death certificate, 3 receiving the death certificate, getting the 4 beneficiary letter out to them with their 5 exact benefit, and then giving them the claim б code to go online and request their claim. So 7 all in all could be three months. 8 MS. PENNY: Depending on how they fill 9 out the forms? Thank you. 10 MS. REILLY: I mean, that should be our 11 worst-case scenario. 12 MS. GREEN-GILES: I will note as 13 somebody who has gone through that process in 14 2013 into 2014, that is a significant 15 improvement on what it was. 16 MS. REILLY: Is that right? 17 MS. GREEN-GILES: It was nine months for

18 me from start to finish. 19 MS. REILLY: Well, I am not saying this 20 is the case for you, but you know, delay -- if 21 a person doesn't get us a death certificate, a 22 lot of times we wait a long time. We can move 23 forward to let you know what your benefit is 24 going to be, but we can't go forward with the 25 claim until we have a death certificate. You 0020 1 Proceedings 2 know so -- and sometimes once we then send out the claim form, a lot of times people delay on 3 4 getting us the paperwork to process the claim. 5 So I am glad that we are improving. Nine б months sounds like a terribly long time to 7 wait. So hopefully we are improving. Thank 8 you. 9 MR. KAZANSKY: If I can add, from what I 10 understand, TRS put a lot of man-hours into this project to make sure that they got caught 11 12 up to speed and got the death benefits back on 13 track sooner than had they not put that extra 14 effort in, so I want to thank TRS for making 15 sure they took the time and resources to speed 16 up the process once the problem was 17 discovered. 18 MS. REILLY: Thank you. It's 19 unfortunate we had to do that, but we did put 20 everybody on it to make sure that we got it fixed so that our beneficiaries were not being 21 22 negatively impacted. Every -- I am just going 23 to say every system implementation is a 24 painful thing. It's never easy. We are all 25 human, so there is the human component, there 0021 1 Proceedings 2 is the technical component. So as I say to 3 the staff here, we can -- hopefully we learn 4 from our mistakes but we can expect that every 5 implementation of each phase is going to have б some pain associated with it because it's just 7 part of the process. 8 Can I just ask, does this MR. ADLER: 9 have an impact on the overall timeline for the 10 modernization? 11 MS. REILLY: It does have an impact on 12 the overall timeline but it's -- we haven't 13 really looked at it all to be honest with you 14 because there is a lot of things impacting our 15 overall timeline, which would be the Gulino, 16 which would be the change in the option 17 factors, which would be the changes to the 18 Passport Funds. All things that we had to 19 take resources off the project to work on in

20 addition to this delay. 21 So we are going to be getting together 22 and looking at the whole entire impact to the 23 plan and maybe jettison some stuff for -- you 24 know, that might be nice to have. TRS may be 25 taking over Phase VII ourselves and letting 0022 1 Proceedings the consultants go. So we are just looking at 2 3 how we can mitigate the delays but we have 4 delays. MR. ADLER: So at some point there will 5 б be a revised timeline? 7 MS. REILLY: Yes. 8 MR. ADLER: Do you have a sense of when 9 we could expect to see that? 10 MS. REILLY: Don't you want to be out of 11 office by then? 12 MR. ADLER: I will be out of office by 13 then. So is that the idea is to just to delay 14 out until I am finally out of office? 15 MS. REILLY: Within the next few months 16 we should have a new timeline to work it all 17 out and then come back to it. 18 MR. ADLER: Just one other question. I 19 take it that your conversation means that we 20 are staying within budget and we are not 21 looking at increasing the budget and that's 22 why TRS might take over part or some? 23 MS. REILLY: We are looking to be able 24 to mitigate having to increase the budget, but 25 we have to take a look at it because time is 0023 1 Proceedings 2 money but we will do our best to mitigate 3 that. 4 MR. ADLER: Thank you. 5 MS. REILLY: But there will be -- I'm б sorry. I just want to say we will be coming 7 back for budgets for Gulino for everything we 8 are in. 9 MR. ADLER: Of course, if Gulino ever 10 gets to the point. 11 MS. REILLY: Well, we are doing work on 12 it already. 13 MS. BUDZIK: We have had some 14 submissions. 15 MS. REILLY: So we right now have a 16 whole group of people who have been moved over 17 to completely understand Gulino and any 18 impacts to the system, the impacts to TRS, and 19 come up with project plans and estimates for 20 what it's going to cost for us to implement 21 Gulino. So we are working on that now and we

```
will be ramping up more and more.
22
23
           MR. ADLER: Okay.
24
           MS. PENNY: Okay. Do we have any
     questions or comments from the public? Seeing
25
0024
 1
                    Proceedings
 2
    none, okay, I guess that's it. Is there a
 3
    motion to adjourn?
           MR. DORSA: So moved.
 4
           MS. PENNY: Is there a second?
 5
           MR. ADLER: Second.
 б
 7
           MS. PENNY: Any discussion? All those
     in favor? Aye.
 8
           MR. DORSA: Aye.
 9
10
           MR. ADLER: Aye.
           MS. GREEN-GILES: Aye.
11
           MR. BROWN: Aye.
12
           MR. KAZANSKY: Aye.
13
14
           MR. BUCKLEY: Aye.
15
           MS. PENNY: All those opposed? Motion
     carries. We stand adjourned.
16
17
           (Time noted: 3:59 p.m.)
18
19
20
21
22
23
24
25
0025
1
                        Proceedings
                    CERTIFICATE
 2
 3
    STATE OF NEW YORK
                          )
 4
                          : ss.
 5
    COUNTY OF QUEENS
                          )
 б
 7
                I, YAFFA KAPLAN, a Notary Public
 8
          within and for the State of New York, do
 9
          hereby certify that the foregoing record of
10
          proceedings is a full and correct
11
          transcript of the stenographic notes taken
12
          by me therein.
13
                IN WITNESS WHEREOF, I have hereunto
14
          set my hand this 7th day of October,
15
          2019.
16
17
18
                            YAFFA KAPLAN
19
20
21
22
23
```