NEW YORK CITY TEACHERS' RETIREMENT SYSTEM BOARD MEETING б Held on Thursday, March 15, 2018, at 55 Water Street, New York, New York ATTENDEES: JOHN ADLER, Chairman, Trustee DEBRA PENNY, Trustee DAVID KAZANSKY, Trustee THOMAS BROWN, Trustee JOHN DORSA, Trustee RAYMOND ORLANDO, Trustee PATRICIA REILLY, Teachers' Retirement System THAD McTIGUE, Teachers' Retirement System SUSAN STANG, Teachers' Retirement System VALERIE BUDZIK, Teachers' Retirement System REPORTED BY: YAFFA KAPLAN JOB NO. 0611096 ATTENDEES (Continued): KAVITA KANWAR, Teachers' Retirement System CARMELA CRIVELLI, Teachers' Retirement System LIZ SANCHEZ, Teachers' Retirement System ANNETTE HANHARAN, Teachers' Retirement System ELLEN DeLEO, Teachers' Retirement System ROBERT BETHELMY, Teachers' Retirement System PAUL RAUCCI, Teachers' Retirement System RENEE PEARCE, Teachers' Retirement System ANDREW BRADFORD, Teachers' Retirement System BRYAN BERGE, ESQ., Law Department SHERRY CHAN, Chief Actuary MELVYN AARONSON, Teachers' Retirement System CINDY COLLINS, Mayor's Office Proceedings

MR. ADLER: Good afternoon. Welcome to 2 3 the Teachers' Retirement System board meeting 4 for March 15, 2018, the Ides of March. The 5 Ides of March. I didn't say that guite б properly. 7 MS. REILLY: Beware. 8 MR. ADLER: Beware the Ides of March. 9 Thank you, Ms. Reilly. Okay. With that, let's move along and please call the roll. 10 11 MS. REILLY: John Adler? 12 MR. ADLER: I am here. 13 MS. REILLY: Thomas Brown? MR. BROWN: Here. 14 15 MS. REILLY: David Kazansky? 16 MR. KAZProANSKY: Present. 17 MS. REILLY: Raymond Orlando? 18 MR. ORLANDO: I am here. 19 MS. REILLY: Debra Penny? 20 MS. PENNY: Here. 21 MS. REILLY: Susannah Vickers? MR. DORSA: John Dorsa for the 22 23 Comptroller's office. 24 MS. REILLY: Thank you. We do have a 25 quorum. 0004 1 Proceedings 2 MR. ADLER: Okay. Let's move along. 3 MS. REILLY: So the first item on -second item on the agenda is an update on TRS 4 5 operations. Kavita Kanwar is going to give us б that. 7 Thank you, Pat. TRS began MS. KANWAR: work on the efforts to notify members required 8 to take a minimum distribution from their TDA 9 account in 2018. In late April, TRS will be 10 11 providing RMD notifications to an estimated 12 3,522 first-time RMD recipients. In addition, approximately 27,042 members that received 13 14 RMDs last year will be notified by their 15 requirement to receive another RMD this 16 calendar year. 17 MS. REILLY: Thank you. 18 MS. KANWAR: Sorry. I have more. TRS video content is now available on YouTube. 19 20 Our content primarily includes informational videos for members such as website tutorials 21 22 as well as archives of board meetings like 23 this one. We look forward to further 24 expanding our social media platform in the 25 future and invite everyone to subscribe to a 0005 1 Proceedings 2 YouTube channel called TRSNYC. 3 TRS's member education team is

4 continuing its outreach efforts with a busy, 5 busy spring. Most recently the team made a 6 presentation at the UFT annual 7 paraprofessional festival on March 10th. April will see visits to several CUNY 8 9 campuses. Such appearances at union events 10 for this year at CMCSC. In addition, the team 11 will host at least eight onsite sessions of 12 the popular Getting Ready For Retirement 13 program in April. 14 MS. REILLY: Thank you. All right. 15 Next we have a report from the actuary. 16 MS. CHAN: Thank you. So there are 17 three items on my agenda --18 MS. REILLY: Oh, I'm sorry. I did it 19 out of order. 20 MS. CHAN: So the first item pertains to 21 Chapter 41 of the laws of 2016. This is a law that allowed the members to purchase military 22 23 service not specific to a specific time or a 24 region of the world that they served in. And 25 this past fiscal year in 2017, there were 66 0006 1 Proceedings 2 individuals that purchased 133 years of 3 service. After they had paid their portion of a cost, the net cost in liability is 2 million 4 5 337,718 dollars. This is an amount that has б already been paid, and this resolution would 7 allow the retirement system to seek 8 reimbursement from the State to reimburse the 9 TRS for this amount. There is a resolution. MR. ADLER: So there is a resolution 10 11 which we don't actually have in front of us? 12 MS. CHAN: We do. 13 MS. BUDZIK: Page 4. MR. ADLER: Thank you. So should we 14 deal with it here or deal with it when we get 15 16 to the executive director's report? Ι 17 actually would propose that we deal with it 18 here so if there are questions we can ask Sherry. 19 20 MS. REILLY: Okay. Do you want me to go 21 through the whole executive director's report 22 and then get to that? 23 MR. ADLER: Let's deal with this one 24 item first, the actuary's Chapter 41. So 25 let's see if there are any questions for 0007 1 Proceedings 2 Sherry specifically on the Chapter 41 thing. 3 I do have one question. 4 MS. CHAN: Okay. 5 MR. ADLER: So Sherry, you said this has

б already been paid? 7 MS. CHAN: Correct because it's for 8 fiscal year '17. 9 MR. ADLER: So been paid by the City, 10 correct? 11 MS. CHAN: Yes. 12 MR. ADLER: So my question is the 13 resolved said it's to be submitted to the State Comptroller for audit, warrant, and 14 15 payment to TRS. But wouldn't it be payment to 16 the City of New York since it's already been 17 paid? 18 MS. BUDZIK: We actually had that 19 question which we posed to your office, 20 Sherry, and your office said we should leave 21 it as is, payable to TRS. 22 MR. ADLER: Bryan, do you want to opine 23 on that? 24 MR. BERGE: Well, the question wasn't 25 raised initially, so I don't know that I 0008 1 Proceedings 2 thought about it in great detail. If the Actuary's office thinks it could be left as it 3 4 currently stands, I think I am inclined to 5 accept that. I would like to think there б would be a way for crediting the City for 7 having made the payments or the DOE for having 8 made the payments in the event the money is 9 ultimately returned by the state to TRS. 10 MR. ADLER: I actually had a question regarding not this system but another system 11 12 which we also passed a similar resolution 13 where it says reimbursable payments to the 14 system, and OMB thinks it should be payment to 15 the City. 16 MS. CHAN: Well, I think eventually it's 17 going to get back to the City because once TRS 18 -- the money is going to be allocated to one 19 of the other boards of the City and if it's 20 allocated to the City, you will get credit for 21 it. 22 Okay. I don't know that --MR. ADLER: 23 I am not -- I don't know that I need to make a 24 big deal about this. It's just that the 25 voucher that gets submitted is actually asking 0009 1 Proceedings 2 the State Comptroller to send payments to 3 Department of Finance for the City, and that 4 was the method that was used for the previous 5 fiscal year. б MS. CHAN: Well, I believe that the 7 previous fiscal year vouchers were never

8 submitted. They were submitted by TRS, but 9 they weren't submitted by OMB to the state. 10 MR. ADLER: I understand but just the 11 form that was used, it was a voucher that is 12 to be paid to the City. So I just think that 13 if that, in fact, is the case, we should 14 reflect that in the resolution. I would -- it 15 is the case on at least on the previous voucher, so again, I don't want to make a big 16 17 deal about it. Unless there is some 18 timeliness in doing this resolution today, 19 maybe we should just lay it over and so we can 20 get clarification on that. 21 MS. CHAN: Or we could -- because this 22 is really a resolution of the number itself, 23 not the process, so we could just strike some of that language out of, you know, who the 24 25 payment is to. 0010 1 Proceedings 2 MR. ADLER: That would be fine. Can we 3 just say "payment" and just scratch out "to 4 TRS"? Does that work for the lawyers? 5 MS. CHAN: Or just for reimbursement of б carrying out provisions of Chapter 41, and it 7 doesn't have to say to because I don't know 8 what the process is after this. I mean, that 9 really isn't -- beyond --10 MR. ADLER: And I believe, Bryan, this 11 is the language that's specific to Chapter 41. 12 MR. BERGE: The reason for this kind of 13 odd language is because of the odd language 14 that is in Chapter 41, yes. So I don't -- I 15 agree with Sherry that I don't see a need for 16 the resolution to dictate the process. 17 Ultimately how the bill gets submitted is not 18 the greatest concern in the world to me. 19 MS. CHAN: Or reimbursed. 20 MR. BERGE: Yes. I think there are ways 21 to handle the allocation of the money in 22 either event, and I would be comfortable with 23 any approach whereby the voucher gets 24 submitted in a timely fashion. 25 MR. ADLER: So why don't we just say --0011 1 Proceedings 2 I would suggest that we say for audit warrant 3 and payment as reimbursement for carrying out 4 the provisions of Chapter 41. 5 MS. CHAN: So for the amendment -б MR. ADLER: Is that acceptable to 7 anybody? 8 MS. CHAN: So we are striking out "to 9 TRS"?

10 MR. ADLER: Correct. Okay. So thank 11 you for accommodating me on that one. 12 So is there a motion to adopt this 13 resolution as edited from the original here 14 regarding the Actuary's fiscal year 2017 15 reimbursement calculation resulting from 16 Chapter 41 of the laws of 2016? 17 MS. PENNY: So moved. Thank you, Debbie. Is there 18 MR. ADLER: 19 a second? 20 MR. DORSA: Second. MR. ADLER: Thank you, John. 21 Any 22 further discussion? 23 All in favor of the motion, please say 24 Aye. aye. MR. DORSA: Aye. 25 0012 Proceedings 1 2 MR. KAZANSKY: Aye. 3 MR. BROWN: Aye. 4 MR. ORLANDO: Aye. 5 MS. PENNY: Aye. б MR. ADLER: All opposed, please say nay. 7 Any abstentions? Okay. Motion carries. 8 MR. ADLER: So continuing with the 9 Actuary's report. 10 MS. CHAN: So the second item on my 11 agenda is the employer contribution for fiscal 12 year 2019. This is a preliminary employer 13 contribution. I can go through the details of 14 this calculation if the Board would like. 15 MR. ADLER: Would anybody like Sherry to 16 go through the details of the calculation? 17 Tom? 18 MR. BROWN: Please lay this over. We 19 want to discuss this further. 20 MR. ADLER: Is there action required on 21 this? 22 MS. CHAN: There is actually a 23 resolution in the packet, but it was not 24 submitted by my office. 25 MR. McTIGUE: The resolution is 0013 1 Proceedings 2 consistent with the past practice of this 3 board to adopt the preliminary contribution as 4 stated by the Actuary. 5 MS. CHAN: So after some deliberations with Corp Counsel this past year to understand б 7 the process a little bit more, I decide to not 8 go forward with a resolution, just a 9 memorandum to promote efficiency so that each 10 of the boards can get their invoices for what 11 they owe for the fiscal year and contributions

12 can be paid timely, so that's why we did not 13 or I did not submit a resolution with this 14 memo. 15 MS. REILLY: But as Thad pointed out, 16 it's the practice of this board to put a reso 17 on the agenda. 18 MS. BUDZIK: So if there was a change in 19 practice, we weren't informed of that. 20 MS. CHAN: So this isn't my resolution. 21 MR. BROWN: So lay it over. 22 MR. ADLER: So if there is a request to 23 lay it over we can lay it over, and then we 24 can discuss whether we want to adopt a 25 resolution or not to actually take it up. 0014 1 Proceedings 2 MS. CHAN: I think there were some 3 questions they wanted to address. 4 MS. REILLY: I think you have to lay it 5 over. б MR. ADLER: Not today. We are going to 7 lay it over today. 8 Apart from the resolution, would anybody like Sherry to discuss her memo regarding the 9 10 preliminary fiscal year '19 contribution 11 further today? Okay. Thank you, Sherry, and 12 then last item. 13 MS. CHAN: Last item is a fiscal note 14 that actually went out after the deadline for 15 the Board's submission but it is included. Tt. 16 was sent out last Friday, March 9th, and 17 pertains to extending the deadline to file the 18 notice of participation for World Trade 19 Center. I don't believe it affects any of the 20 teacher members. This was a fiscal note that was prepared for all five retirement systems 21 22 in the city, and there is no cost to it 23 because I believe most of the eligible folks 24 who were there on 9/11 have already submitted 25 their notification. 0015 1 Proceedings 2 MR. ADLER: Any questions for Sherry 3 about that? This is a law -- a bill that's 4 been proposed in Albany. It's not yet been 5 passed. б MS. CHAN: Right. 7 MR. ADLER: Any question about the 8 fiscal year? 9 MS. CHAN: Senate Bill 7797. 10 MR. ADLER: Any questions for Sherry? 11 Discussion of that bill? Very good. Thank 12 you. 13 MS. CHAN: Thank you.

14 MR. ADLER: So do you want to go back to 15 the executive director's report? 16 MS. REILLY: Next on the agenda is the 17 executive director's report, and the first 18 item is the matter of the next meeting. It's 19 been suggested that the next regular meeting 20 of the Teachers' Retirement Board be held on 21 the third Thursday of the month, April 15, 22 2018. Mark your calendars. 23 MR. KAZANSKY: April 15th is a Sunday. 24 MS. REILLY: Okay. All right. To be 25 held on the third Thursday of the month, April 0016 1 Proceedings 2 19th. 3 So the second item on the agenda is 4 authorization to the Comptroller of the City 5 of New York to invest certain funds. 6 MR. KAZANSKY: Waive the reading, 7 please. 8 MR. ADLER: Okay. So is there a motion 9 to adopt the resolution to authorize the 10 Comptroller of the City of New York to invest 11 certain funds? 12 MR. BROWN: So moved. 13 MR. ADLER: Mr. Kazansky, would you 14 second the motion? 15 MR. KAZANSKY: I would love to second. 16 MR. ADLER: Any discussion of the 17 motion? 18 All in favor of the motion, please say 19 aye. Aye. 20 MR. DORSA: Aye. 21 MR. KAZANSKY: Aye. 22 MR. BROWN: Aye. 23 MR. ORLANDO: Aye. 24 MS. PENNY: Aye. 25 MR. ADLER: All opposed, please say nay. 0017 1 Proceedings 2 Any discussion? Okay. Motion carries. Thank 3 you. 4 MR. DORSA: Thank you. 5 MS. REILLY: The next item on the б agenda, the authorization of the Comptroller 7 of the City of New York to invest certain 8 tax-deferred annuity funds. 9 MR. KAZANSKY: Again, please waive the 10 reading. 11 MR. ADLER: Is there a motion approving 12 the resolution to authorize the Comptroller of 13 the City of New York to invest certain 14 tax-deferred annuity funds? 15 MS. PENNY: So moved.

16 MR. ADLER: Thank you, Debbie. Is there 17 a second? 18 MR. KAZANSKY: Second. 19 MR. ADLER: Mr. Kazansky. Any discussion? 20 All in favor of the motion, please say 21 22 Aye. aye. 23 MR. DORSA: Aye. 24 MR. KAZANSKY: Aye. 25 MR. BROWN: Aye. 0018 Proceedings 1 2 MR. ORLANDO: Aye. 3 MS. PENNY: Aye. 4 MR. ADLER: All opposed, please say nay. 5 Any abstentions? Motion carries. MS. REILLY: Next is the adoption of the б 7 divestment and exclusion policy. 8 MR. ADLER: I think we are going to lay 9 this over as well. Thank you. MS. REILLY: Next is attendance at a 10 11 conference. The final resolution is presented for consideration and possible adoption: 12 Resolved, that the Trustees of the Teachers 13 14 Retirement Board hereby approve the attendance 15 and participation of the Executive Director 16 and/or her designees and any interested 17 Trustee at the National Conference on Public 18 Employee Retirements Systems' Annual 19 Conference and Exhibition from May 13th to May 20 16, 2018. 21 MR. ADLER: Is there a motion to approve 22 the resolution of the attendance at the NCPERS 23 conference? Which is in New York City I might 24 add this year. 25 MR. KAZANSKY: So moved. 0019 1 Proceedings 2 MR. ADLER: Is there a second? 3 MR. BROWN: Second. 4 MR. ADLER: Any discussion? All in 5 favor of the motion regarding attendance at б the NCPERS conference, please say aye. Aye. 7 MR. DORSA: Aye. 8 MR. KAZANSKY: Aye. 9 MR. BROWN: Aye. 10 MR. ORLANDO: Aye. 11 MS. PENNY: Aye. 12 All opposed, please say nay. MR. ADLER: 13 Any abstentions? Motion carries. 14 MS. REILLY: Next on the agenda is the 15 calendar. You all should have received the 16 calendar electronically, and the first item is 17 the matter of the approval of the TRS

18 investment meeting minutes of February 1, 2018 19 and the TRS board meeting minutes of February 20 15, 2018. 21 MR. ADLER: Is there a motion to approve 22 both sets of minutes from February 1st 23 investment meeting and February 15th board 24 meeting? 25 MR. BROWN: So moved. 0020 1 Proceedings 2 Thank you, Tom. Is there a MR. ADLER: 3 second? 4 MS. PENNY: Second. 5 MR. ADLER: Thank you, Debbie. Any б discussion? 7 All in favor of the motion to approve 8 the investment meeting minutes of February 1st 9 and the board meeting minutes of February 15, 10 2018, please say aye. Aye. MR. DORSA: Aye. 11 MR. KAZANSKY: Aye. 12 MR. BROWN: Aye. 13 14 MR. ORLANDO: Aye. 15 MS. PENNY: Aye. 16 MR. ADLER: All opposed, please say nay. 17 Any abstentions? Motion carries. 18 MS. REILLY: Okay. So as I said, you 19 all received a copy of the calendar. MR. KAZANSKY: Please waive the reading 20 21 of the calendar. 22 MS. REILLY: Thank you. 23 MR. ADLER: Okay. Is there a motion to 24 adopt the calendar? 25 MR. KAZANSKY: So moved. 0021 1 Proceedings 2 MR. ADLER: Thank you, Mr. Kazansky. Is 3 there a second? 4 MR. BROWN: Second. 5 MR. ADLER: Thank you, Mr. Brown. Any б discussion? 7 All in favor of the motion to adopt the 8 calendar for March 15, 2018, please say aye. 9 Aye. 10 MR. DORSA: Aye. MR. KAZANSKY: Aye. 11 12 MR. BROWN: Aye. 13 MR. ORLANDO: Aye. 14 MS. PENNY: Aye. 15 MR. ADLER: All opposed, please say nay. 16 Any abstentions? Motion carries. 17 MS. REILLY: The next item on the agenda is other business, and today we have a 18 19 presentation by Ellen DeLeo on TRS's strategic

20 planning and reporting. 21 MS. DeLEO: Hi. Good afternoon. 22 MR. ADLER: Good afternoon. 23 MS. DeLEO: It's my pleasure to be with 24 you here today to present TRS's strategic planning and reporting effort. I am going to 25 0022 1 Proceedings 2 begin with our approach to the development of 3 our current strategic plan, and followed by 4 that I am going to give you a brief overview 5 of each of the views and conclude with a б snapshot of our status reporting. 7 In support of our strategic planning, 8 TRS is committed to mature the process of 9 strategic planning with each cycle. So first 10 thing that we did was we performed a lessons 11 We brought together different groups learned. 12 from across the organization and looked at 13 some of the things we did well, some of the 14 thing we could improve on, some assumptions 15 that either did or didn't prove out over the 16 life of the last planning cycle, and we took 17 all of those, the input, and we did some 18 analysis and formed some conclusions that we 19 brought back to key personnel, and we agreed 20 upon changes that we would apply to the next 21 planning cycle. 22 Among some of the key findings were that 23 we really needed to give greater recognition 24 to some of the other major efforts that were 25 underway that were competing for resources. 0023 1 Proceedings 2 We decided what we were going to commit to in terms of strategic initiatives in the cycle. 3 4 And we confirmed we are going to stick with a 5 longer cycle of five years. Some б organizations had moved to three-year cycles 7 or even a one-year cycle and if they use a 8 three with a refresh, but we committed to a 9 longer cycle. 10 The second thing we did was established 11 goals that align with our vision. I believe 12 you had a presentation on Vision 2020 a few 13 meetings back, and some of the key principles 14 that we took from that that we used in this 15 strategic planning cycle were the key 16 principles of being problem solvers, the 17 commitment to straight-through processing, 18 better informed decision-making, continuous 19 quality improvement, and I believe you all 20 heard the golden rule that we should treat 21 people the way they would want to be treated,

22 but we stepped it up a notch and are going 23 with the platinum rule which says we should 24 treat people the way they want to be treated. 25 So these are the activities based on the 0024 1 Proceedings 2 foundation of our strategic plan, and 3 following that we formed a consensus on what 4 long-term success looked like from different 5 process perspectives, and those perspectives б are member and stakeholder, financial 7 stewardship, internal business processes, and 8 organizational capacity. We evaluated our 9 capability gap here at TRS. And what we 10 wanted to do was find out what we needed to do 11 to build long-term success, and that's beyond just our business processes but related to the 12 13 skills that we needed to demonstrate including 14 greater maturity at an organizational level. And some of those things were things like data 15 16 governance, our business rules and policy 17 management, and agility, the ability to 18 respond to both mandated changes and proactive 19 changes. 20 We formulated our programs with 21 supporting initiatives, ensuring realistic 22 commitments to our initiatives given the pool 23 of resources in terms of time and people and 24 money. And we set performance measurements 25 based on outcomes rather than just performing 0025 1 Proceedings 2 activity so we knew what success looked like from a qualitative perspective and considered 3 4 major internal and external factors. And some 5 of those major factors were that our б modernization effort spans the five years, so 7 we wanted to align it with that. We didn't 8 see that it would be in our best interest while modernization is still underway to 9 10 complete a strategic planning cycle and start 11 a new one. 12 We are modernizing our pension 13 administration system. Our 100th anniversary 14 fell out during that time frame, and that gave 15 us the ability to reflect on the last 100 16 years and things that we have done well, the 17 commitment that we have to providing our 18 members with a secure retirement, and then 19 looking forward to the next 100 years and how 20 we would deliver on that commitment. 21 And some of those include the major 22 changes in member expectations. Members 23 expect to self serve. They expect to be able

24 to interact with us anytime from anywhere.
25 People have become accustomed to a paperless
0026

1 Proceedings 2 transaction. So just some of those things we 3 considered in addition to a shift towards 4 associates being problem solvers with our 5 commitment to straight-through processing. б The majority of the cases that will be touched 7 by an associate will be more complex cases, 8 and they will need to bring those to a 9 successful completion and resolve whatever the 10 complexities of the case are.

11 And we are focusing on critical partner 12 relationships. We realize that our members 13 see us as being one who delivers services, but 14 we are reliant on other organizations either 15 for payroll or HR data or for processing our 16 retirement payroll. But they are holding us 17 responsible so we need to form stronger 18 partnerships with our partners so that they 19 share in that commitment to our members.

20 The last thing that we did was to look 21 at valued propositions and determine what we 22 are going to focus on. The three valued 23 propositions are operational excellence, 24 product leadership, and member intimacy. 25 Conventional wisdom says you can't try to 0027

Proceedings

2 focus on all three. You should prioritize 3 what you are going to use as the basis for 4 your strategic planning efforts.

1

5 Products leadership was ruled out б because as a rule, our products are defined by 7 legislation as reflected in our administrative 8 So that left us with operational code. 9 excellence and member intimacy, and we 10 identified operational excellence as being our 11 higher priority. We are not foregoing member intimacy because it says we should come to an 12 13 industry standard in all three. So we are 14 going to also consider member intimacy, and as 15 far as operational excellence, that's in our 16 business operations and member services.

17 For member intimacy, we are going to 18 consider our members' needs when defining and 19 developing our business processes, and one of 20 the key things that we are focusing on is mass 21 customization that's available through 22 technology today. Things like in our service 23 purchases. We used to give our members just a 24 few options on payment terms. Now they can 25 really create their own because technology

0028 1 Proceedings 2 allows for that. 3 Also we are expanding the ways our 4 members do business with us. We are 5 implementing an electronic payment platform so б that they can use other forms of payment, and 7 the example would be the online death benefit 8 processes that we are going to be implementing 9 as part of ASPEN. 10 So in terms of our goals, we had defined five goals that are at an aspirational level. 11 12 And they do recognize different perspectives 13 that I mentioned earlier of the members, 14 stakeholders, financial stewardship, internal 15 business processes, and organizational 16 capacity. 17 So I am just going to now walk you 18 through these strategic goals, but I just 19 wanted to say they support our initiatives that we have defined and that it helps to --20 21 it helps us to building our playbook or role 22 model that will help us achieve our strategic 23 goals, but before I do that, I am just going 24 to share with you the critical success factors 25 was the way we decided how we would define 0029 1 Proceedings 2 what success looks like. We need to know how 3 we are going to tell we achieved our goals. 4 So critical success factors are things that we 5 must do well in order to know we achieved our desired end result, and by defining a few б critical success factors for each goal, it 7 8 will enable us to measure our progress and 9 what we have achieved. 10 So the first goal of operational 11 excellence is ensuring TRS's ability to meet 12 the expectations of our members through the 13 services that we provide by understanding how 14 we each contribute to that value from the 15 member's perspective, and in terms of the 16 critical success factors that you may not 17 readily be able to understand what they are, 18 in terms of performance measurement design, 19 that's measuring the right things in the right 20 way so that we deliver the needed value to our 21 members, and these are things like key 22 performance indicators that measure the cost 23 of a transaction or time from a perspective of 24 service level agreements. That's when we make 25 a commitment to a member that we are going to 0030 1 Proceedings

2 turn around and complete your service request 3 in a certain amount of time. That's a service 4 level agreement. In order to achieve that, we 5 have internal operating level agreements, and б that's the commitments we make to each other 7 internally. When we bring all those operating 8 level agreement timelines together, it can't 9 exceed an ASCLA because we made that commitment to the members, so we are ensuring 10 11 that internally to each other we are keeping 12 commitments and to our members and also we are 13 measuring the accuracy and correctness of the 14 service or product we are delivering to the 15 members.

16 Data information and quality, I will 17 only touch on that because it's so important 18 to our straight-through processing goals and 19 achieving correct results, and the third one 20 is our partnership independencies which I spoke about before and we just need to make 21 22 sure that the correctness and reliability results are not negatively impacted by 23 24 dependencies and that's either the data or 25 processing that our partner does on our 0031

Proceedings

1

1

2 behalf, and we even look to enhance the 3 results, not just make sure they are not 4 negative but what could we do to enhance them. 5 And of course, our joint commitment to meeting 6 our members' needs.

7 Our second goal is the implementation of a member-focused service model that enables 8 our members to achieve the maximum benefit 9 10 from their membership while creating a service 11 management system that improves service and 12 reduces delay. For that one I am just going 13 to touch on member service management. And 14 that's safeguarding that each request is 15 brought to a completeness or resolution per 16 our service level agreements. And we have two 17 parts to that. There is a business service 18 management and an IT service management, and I 19 believe in the coming months you are going to 20 hear about the IT side of the member service 21 management.

And then member insight is seeking out and making use of feedback that's provided by the members and also the use of analytics, looking at our data, having it tell us a story 0032

Proceedings

2 about either past behavior or activities based 3 on events and to -- once we have got that

4 going, to predict future needs and events that 5 we need to be prepared for. 6 In terms of the third goal of a ready, 7 willing, and able to workforce that's 8 committing to human resource related 9 activities and leadership that result in high 10 performance, long-term motivated and 11 successful TRS staff, and that is associates are engaged and that they have the skills and 12 13 resources needed in order to perform to 14 expectation. 15 And in terms of the critical success 16 factors, staff assignments by work type and 17 complexity is important because we need to 18 recognize the difference in the levels of 19 skills and competencies of our associates. It 20 may just be based on the amount of time that 21 they have been here, but we need to recognize 22 it so that assignments are made that will 23 appropriately challenge each associate while 24 enabling them to accomplish their tasks 25 successfully. 0033 1 Proceedings 2 And then in terms of roles and 3 responsibilities and incentives being aligned, 4 we need to make sure that we are properly 5 communicating what's important to our б associates, then measuring and rewarding their 7 performance accordingly, and some of those 8 examples would be accountability and teamwork 9 and valuing collaboration over competition. 10 Our fourth goal of maximizing the value 11 proposition is to demonstrate fiscal 12 responsibility while accomplishing goals by 13 providing productivity improvements that try 14 to realize the most out of every dollar spent, and the critical succes factors I would 15 16 highlight here are workflow tool enablement, 17 and that is commonly known as business process 18 management but ours goes beyond that and 19 incorporates a business rule retention. So 20 it's actually adhering to our business rule 21 while it's enabling the workflow of a single 22 transaction when a member makes requests, from 23 the minute they initiate it through to 24 completion. And in terms of human-centric 25 development, this is considered when you build 0034 1 Proceedings 2 a system that people interact with that system 3 and they have behaviors that you need to support, you can't -- if you try to force 4 5 people to behave differently, you run the risk

б of having them make errors. And an example 7 would be in a system where somebody was starting to work on a transaction and this 8 9 could be the member or internal TRS associate, 10 and if they have need to stop for some reason 11 and suspend what they are doing, it needs to 12 be able to support that, save the work, and 13 let them to resume later. They may need to go 14 collect some information that they don't have 15 there, so they need to be able to do that and 16 not have it time out, and if you didn't 17 support that, you run the risk of maybe they 18 make up the information or maybe they rush 19 through it, so you have a risk that the 20 processing wouldn't be correct if you forced 21 someone to work in a way other than they would 22 normally. 23 MR. ADLER: Let me just really quick -emphasize that. I am sure other folks here 24 25 have that experience where you get timed out 0035 1 Proceedings 2 in the middle and you lose that work. In 3 fact, the Department of Finance has that 4 problem on its property tax. Have you had 5 that problem? б MS. STANG: You pay your property taxes 7 quarterly and each time you need to come up 8 with a new user name and password. 9 MR. ADLER: I did this thing where you 10 challenge your assessment and it's a lot of 11 information you have to enter and boom, time out in the middle. You have to start all over 12 13 again. I also just had the problem with my 14 bracket on ESPN where I stopped in the middle 15 and I went back to it and boom, it was gone. 16 So like really frustrating. Anyway --17 MR. KAZANSKY: John, you might want to 18 take that as a sign that your bracket is not 19 too --20 MR. ADLER: I am sure it's broken 21 already. 22 MS. DeLEO: And our final goal is the 23 improved life cycle management, and that's to 24 effectively target member segments to increase 25 enrollment and participation throughout their 0036 1 Proceedings 2 membership life cycle to maximize benefits and better meet the unique needs of varied member 3 segments, and I would highlight within that 4 5 defined stages of membership life cycle and б personas, and that's segments that go beyond 7 age and length of membership and other

8 characteristics that you can readily identify, 9 and it considers where the person is in their 10 life, also in their life circumstances. 11 And an example I will give you is that 12 when you might have two 25-year-olds and 13 compare them, they might look very familiar. 14 Same. They are very early in their career, 15 probably single or maybe newly married, but 16 when you take those two and move them through 17 life and now they are 55 to 60, their lives 18 probably look very different. They may have 19 made different choices and now their needs are 20 very different, so by developing personas that 21 go just beyond the demographics that we 22 collect and letting members enroll perhaps 23 would find personas and let them enroll in a 24 persona they feel most closely matches their 25 circumstances, it will enable us to segment 0037 1 Proceedings 2 them and target our offerings to them. And to 3 that I would touch on value creation and 4 delivery and that's tailoring our offerings 5 and communications to these different segments б in order to be the most effective at meeting 7 their unique needs. 8 So now that I have gone through the 9 goals, I have put together a slide of our 10 strategic programs and initiatives. We have three major programs that are made up of 27 11 12 different initiatives. I am not really going 13 to go into detail because I believe you are 14 going to receive presentations on either the 15 different programs or some of the programs in 16 this. 17 Vision 2020 was one of the initiatives 18 that you have heard previously which is to 19 give you an idea of the scope of work that we 20 have committed to do and did in terms of our 21 strategic plan reporting. We are going to use 22 the balanced score card methodology to align 23 and measure progress. We feel that if you 24 look at these four perspectives and address 25 these four perspectives, you are going to 0038 1 Proceedings 2 maximize, quote, effectiveness and efficiency 3 in the efforts. So we defined members for each 4 5 initiative, and the initiative measurements б are based on what's called the RAG scale, red, 7 amber, and green. I will start with green 8 which indicates that an effort is going along 9 perfect, no issues. Amber says it may have a

few issues or risks that seem to be coming to 10 11 fruition that we need to start planning for to 12 mitigate, and red means that the effort has 13 some real challenges and we need to make a 14 great effort to either reassess the effort or 15 bring it back on track. 16 So here is just a snapshot of the 17 strategic plan report, and I just have taken out three initiatives within each of the 18 19 different programs. And what this shows you 20 is that we have defined measures that we can 21 put targets behind so that we can say whether we are on track for them or not, and the 22 23 measures here we will go through the 24 organizational change management. 25 Vision 2020. Our measures is decrease 0039 1 Proceedings 2 redundant efforts, elimination of gaps, and clear accountability for business processes, 3 4 and this one is from the progressive internal 5 business process and it's about efficiency so б we can actually capture specific and 7 measurable progress. 8 And here the second one is that it's in 9 progress. The RAG shows that it's green and all is going well, that it's stable. For 10 11 modernization we have an operational readiness 12 effort that's underway to support the delivery 13 of ASPEN. And that measure is the 14 availability of work aids that provide quick 15 reference in the days following 16 implementations as users begin using the new 17 system and that's in progress and that's also 18 green and stable. 19 The third is our facilities expansion 20 and rebuild, and the new member education 21 facility, our measure being increased 22 educational opportunities for members as 23 measured by number of members that attend 24 educational sessions in comparison to the 25 prior period before the rebuild. This effort 0040 1 Proceedings 2 It completed in good status and is complete. 3 it is stable. 4 So that's what I had to share with you. 5 I don't know if you have any questions. MR. ADLER: I just have a question about б 7 the very last, facilities expansion rebuild. 8 Do you have numbers in terms of the increase 9 in members that have taken advantage of 10 educational sessions or does anybody? 11 MS. DeLEO: I will defer to Robert.

12 MR. McTIGUE: Maybe I can help out a 13 little bit too. 14 MR. BETHELMY: I don't have any specific 15 numbers off the top of my head, but what I can 16 say is the number of members at each of the 17 sessions has basically doubled. In the past 18 we had capacity for 35 members, but each of 19 the classes practically it's doubled that 20 amount at each of the sessions. 21 MR. McTIGUE: The other thing I might 22 add, John, we talk about that being complete. 23 We talk about the physical construction being 24 complete. And we started probably in October 25 kind of a soft opening, so the number of 0041 1 Proceedings 2 people that are going, it's an evolving 3 matter. 4 MR. ADLER: I see. Okay. So the 5 measures -- so in other words the measure -still we don't have apples to apples б 7 comparisons yet because it hasn't been a full 8 cycle or whatever. 9 MR. McTIGUE: The week we started as I 10 said a soft opening. So the physical part is 11 essentially done, and now we are moving to 12 that next phase. 13 MR. ADLER: I would be interested when 14 you have comparison numbers to share -- to see 15 that, we will measure --16 MR. McTIGUE: We will do that. 17 MR. ADLER: -- since we authorized a lot 18 of money for the expansion space and rebuild. 19 Great, thanks. 20 MS. REILLY: Thank you, Ellen. So the 21 next item on the agenda I just wanted to let 22 you know that I am just noting that we 23 distributed the annual statement of the 24 Teachers' Retirement System annual statement 25 to the Board. All right? You all received 0042 1 Proceedings 2 that so just noting that. 3 And then 7 is questions or comments from 4 the public. 5 MR. ADLER: Any questions or comments б from the public? 7 MR. AARONSON: The public has no 8 questions. 9 MR. ADLER: No question. 10 MR. BROWN: I would like to say 11 something. 12 MR. ADLER: Oh, yes, Mr. Brown. 13 MR. BROWN: This past Saturday, March

10th, the UFT hosted its annual 14 15 paraprofessional event/breakfast/lunch at the 16 New York Hilton and close to a thousand paraprofessionals came, all -- many of them 17 18 who are TRS members and I would like to thank 19 the staff at the Teachers' Retirement System. Robert put together a staff of people who came 20 21 and participated and presented at our meeting. 22 The staff presented two 90-minute sessions on 23 pensions, and each session was well attended 24 by the paraprofessionals. 25 We also had an exhibit area where a 0043 1 Proceedings 2 table was set up and there were staff -- TRS staff there answering questions and giving out 3 4 little gifts with a long line to get these 5 gifts. There is a nice salad container which б I took one too. So we can't thank you enough. 7 Robert, you put together a team --8 Daniel was there and Roland and Monique and 9 the other Monique and Lorraine and Phindile 10 and Rafael was there, and these people treat our members like royalty. And they really 11 connect with our members, they come, they are 12 13 professional, they are well-dressed, they are 14 knowledgable. 15 So we thank you for participating in our 16 annual event and we feel a connection. The 17 three teacher members thank you and all of our 18 members because everyone loves TRS. Your 19 reputation is paramount. So on the record, 20 thank you. Thank you to the staff and thank 21 you to Robert Bethelmy. 22 MR. BETHELMY: Thank you. 23 MR. BROWN: And your crew. We 24 appreciate it. Thank you. 25 MR. BETHELMY: Thank you. I will show 0044 1 Proceedings 2 it to Pat and to our member education group, 3 Monique and her staff who represented us at 4 the event. 5 MS. REILLY: Thank you. б MR. ADLER: Okay. Any further discussion? I think that concludes our agenda 7 8 for today. Is there a motion to adjourn? 9 MR. KAZANSKY: So moved. 10 MR. ADLER: Thank you. Is there a 11 second? 12 MR. BROWN: Second. 13 MR. ADLER: Thank you. All in favor of 14 the motion to adjourn, please say aye. Aye. 15 MR. DORSA: Aye.

16 MR. KAZANSKY: Aye. 17 MR. BROWN: Aye. 18 MR. ORLANDO: Aye. 19 MS. PENNY: Aye. 20 MR. ADLER: All opposed, please say nay. 21 Any abstentions? Okay. Meeting is adjourned. 22 Thank you very much. (Time noted 4:32 p.m.) 23 24 25 0045 1 Proceedings 2 CERTIFICATE 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 by me therein. 12 13 IN WITNESS WHEREOF, I have hereunto 14 set my hand this 26th day of March, 2018. 15 16 17 18 YAFFA KAPLAN 19 20 21 22 23 24 25