0001 1 2 NEW YORK CITY TEACHERS' RETIREMENT SYSTEM 3 REGULAR BOARD MEETING 4 Held on Thursday, January 20, 2022 5 Via Zoom Videoconference 6 7 ATTENDEES: 8 DEBRA PENNY, Chairperson 9 PATRICIA REILLY, Executive Director, TRS 10 THADDEUS MCTIGUE, Deputy Executive Director, TRS 11 DAVID KAZANSKY, Trustee 12 THOMAS BROWN, Trustee ALISON HIRSH, Trustee, Comptroller's Office 13 JOHN DORSA, Trustee, Comptroller's Office 14 15 CYNTHIA COLLINS, Trustee, Mayor's Office VALERIE BUDZIK, TRS 16 17 RENEE PEARCE, TRS 18 PAUL RAUCCI, TRS 19 LIZ SANCHEZ, TRS 20 KAVITA KANWAR, TRS 21 CARMELA CRIVELLI, TRS 22 ANNETTE HANRAHAN 23 MICHAEL SAMET, Acting Chief Actuary 24 ISAAC GLOVINSKY, TRS 25 SUSAN STANG, TRS 0002 1 ATTENDEES (Cont'd) 2 ANDREW BRADFORD, TRS 3 KATE CHEN, TRS 4 MARTA ROSS, Corporation Counsel 5 BARBARA OWCZARCYK, TRS SUZANNE ALLEYNE, TRS 6 7 MATT LASKOWSKI, TRS 8 KEVIN BALAOD 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 0003 1 PROCEEDINGS

2 (Time noted: 3:30 p.m.) 3 4 MS. REILLY: Good afternoon. 5 Welcome to the Board meeting of the 6 Teachers' Retirement Board for January 7 20, 2022. 8 I'll start by calling the roll. 9 Thomas Brown? 10 MR. BROWN: Present. 11 MS. REILLY: Cynthia Collins? 12 MS. COLLINS: Present. 13 MS. REILLY: Alison Hirsh? 14 MS. HIRSH: Present. 15 MS. REILLY: David Kazansky? 16 MR. KAZANSKY: Present. 17 MS. REILLY: And Debra Penny? 18 CHAIRPERSON PENNY: I am here. 19 MS. REILLY: We have a quorum. 20 So first on the agenda is an update 21 on TRS operations, and Kavita Kanwar will 22 give us that update. 23 MS. KANWAR: The 1099 forms for tax 24 year 2021 are being mailed in January. 25 As part of this effort TRS is also 0004 1 sending informational brochures to 2 approximately 4,300 new retirees who are 3 receiving a 1099 form for the first time. 4 Early February all 1099 forms will be 5 available for members to view and 6 download on the TRS website. 7 Thanks to the collaboration with 8 FISA the 1099 forms for pension and TDA 9 annuities will be displayed on the TRS 10 website for the first time this year. 11 On December 30, TRS filed its 2021 12 annual comprehensive financial report 13 with the GFOA, the Government Finance 14 Officers Association. The report is also 15 available for viewing on the TRS website. 16 In January TRS is completing an 17 outreach campaign to more than 2,600 18 paraprofessionals who became members of 19 TRS as a result of Chapter 525 last 20 October. The campaign included a special 21 meeting of FAQs plus the regular welcome 22 setup for new members, and four 23 informational sessions conducted on Zoom. 24 Thank you. 25 MR. BROWN: Thank you, Kavita. 0005 1 Can you send that to us 2 electronically as you always do? 3 MS. KANWAR: Sure, will do.

4 MR. BROWN: Thank you. 5 CHAIRPERSON PENNY: Thank you, TRS, on behalf of retirees. I think they'll 6 7 be delighted that they can get their 8 1099s online as well. Thank you for that 9 upgrade. 10 MS. REILLY: Next on the agenda is a 11 report from the Actuary. 12 MR. SAMET: I just want to make the 13 Board aware that the fiscal year 2021 14 valuation report was distributed at the 15 end of December. There's no real new 16 information in there. A few months ago 17 the Board adopted a resolution to approve 18 the employer contribution for fiscal year 19 '21 of \$3.1 billion. It's our annual report, includes all 20 21 the details of the calculations, 22 information such as the census data we 23 used, assets of the plan, liabilities of 24 the plan. It's primarily a reference 25 document. 0006 1 And I want to let you know, copies 2 of the report can be found on the Office 3 of the Actuary website, and I'm available 4 to answer any questions anybody has about 5 the report. 6 Thanks. 7 MS. REILLY: Thank you. 8 Next on the agenda is the EDR, executive director's report. And the 9 10 first item on the executive director's 11 report is the matter of the next meeting. 12 It has been suggested that the next 13 regular meeting of the Teachers' 14 Retirement Board be held on the third 15 Thursday of the month, February 17, 2022. 16 The next resolution is attendance at 17 a conference. The following resolution is submitted for consideration and 18 19 approval. 20 "Resolved that the Trustees of the 21 Teachers' Retirement Board hereby approve 22 the attendance and participation of 23 executive director and/or her designees 24 and any interested Trustee at the 25 National Association of Security 0007 1 Professionals, NASC New York, 24th Annual 2 Wall Street Hall of Fame on February 27, 3 2022. 4 CHAIRPERSON PENNY: Thank you, 5 Patricia.

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           Do I hear a motion to approve
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     attendance at the conference?
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           MR. BROWN: So moved.
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           CHAIRPERSON PENNY: Do I hear a
10
     second?
11
           MR. KAZANSKY: Second.
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           CHAIRPERSON PENNY: Any discussion?
13
           (No response.)
14
           All in favor please say "Aye."
           (A chorus of "Ayes.")
15
16
           All those opposed?
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           Any abstentions?
18
           (No response.)
19
           Motion carries.
                            Thank you.
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           MS. REILLY: The next item on the
21
     agenda is the calendar and the approval
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    of the following minutes. That's the
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     first item on the calendar.
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           So, it's the approval of the
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     December 2, 2021 investment meeting
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    minutes; the December 16, 2021 board
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    meeting minutes. Those are the items up
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    for approval.
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           CHAIRPERSON PENNY: Do I hear a
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    motion to approve the December 2 and
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    December 16 meeting minutes?
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           MR. KAZANSKY: So moved.
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           CHAIRPERSON PENNY: Do I hear a
 9
    second?
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           MR. BROWN: Second.
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           CHAIRPERSON PENNY: Any discussion?
12
           (No response.)
13
           All those in favor of the resolution
    please say "Aye."
14
15
           (A chorus of "Ayes.")
16
           Any opposed?
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           Any abstentions?
18
           (No response.)
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           Minutes are approved. Thank you.
           MS. REILLY: The next item are the
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     items on the calendar, and you all
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22
     received an electronic copy of the
23
     calendar.
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           MR. KAZANSKY: Please waive the
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     reading of the calendar.
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           MS. REILLY: Thank you.
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           CHAIRPERSON PENNY: Do I hear a
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    motion to approve the calendar?
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           MR. BROWN: So moved.
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           CHAIRPERSON PENNY: Do I hear a
 6
     second?
 7
           MS. HIRSH: Second.
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8 CHAIRPERSON PENNY: Any discussion? 9 (No response.) 10 All those in favor please say "Aye." 11 (A chorus of "Ayes.") 12 Any opposed? 13 Abstentions? 14 (No response.) 15 Calendar is passed. 16 MS. REILLY: Next on the agenda is a 17 presentation from TRS staff, TRS Business 18 Transformation Journey. The presentation 19 is being given by Suzanne Alleyne and 20 Barbara Owczarcyk. So I'm going to turn 21 it over to them to go through their 22 presentation. 23 MS. ALLEYNE: Good afternoon, 24 everyone. My name is Suzanne Alleyne, 25 manager of the Employer Management Group. 0010 1 Transformation has always been an 2 important part of TRS, and in my 20 years 3 I've had the pleasure of being a part of 4 many business transformations. Whether 5 it was working as a benefit specialist --6 related service -- or as a product owner 7 on an organization project, and now --8 relationships with -- progress. 9 MS. OWCZARCYK: Good afternoon. My name is Barbara Owczarcyk and I'm the 10 manager of Banking Financial Reporting 11 12 unit, working in the accounting 13 department. 14 I have been actively involved in the 15 process of modernizing the system to all 16 my unique features, including QPP 17 processing -- the functionality and 18 system controls. 19 I'm returning back to Thank you. 20 you, Suzanne. 21 MS. ALLEYNE: Thank you, Barbara. 22 Today my colleague Barbara and I 23 will be presenting TRS Business 24 Transformation Journey. In today's 25 presentation we will be highlighting the 0011 1 business transformation of processing and 2 AFT service requests in our legacy system 3 versus our modernized system. 4 But first, let's talk about the 5 three principles of TRS' business 6 transformation framework. 7 When people interact with process we 8 scale -- instead we process, we 9 accelerate growth. One person armed with

10 great processes could be as impactful as 11 ten people in a less process-driven 12 organization. 13 When people interact with technology 14 we innovate. We create new ways of doing 15 -- and then we open our minds to ways of 16 doing new things. 17 When processes interact with 18 technology we automate. Machines can 19 execute processes far faster than any 20 human could. When we successfully manage 21 the interactions with all three we grow, 22 we win. 23 If we're not fast enough we should 24 look at what we're failing to automate 25 well between the interaction of process 0012 and technology. If we're not efficient 1 2 enough we should look at what we're 3 failing to scale between the interaction 4 of people and process. If we're not 5 creating new value we should look at what we're failing to innovate between the 6 7 interaction of people and technology. 8 To excel in business transformation 9 our organizations must truly be agile. Change is more rapid today and will 10 11 accelerate in the future. To enable the 12 rates of change, technology must meet the 13 challenge. For example, cloud services, 14 remote work technology and EFT, to name a 15 few. 16 Crucial to transformation is our 17 people, both members and staff. 18 Technology needs people who have the 19 tools, skills and training to enable 20 transformation. 21 When businesses effectively converge 22 people, process and technology, they can 23 streamline operation by giving users all 24 the data they need when and where they 25 need it. 0013 An example of how this 1 2 transformation has taken place at TRS is 3 the EFT process. Now, let's look at how 4 an EFT request was submitted in our 5 legacy process versus the modernized 6 process. 7 In our legacy system, submitting an 8 EFT to TRS was inconvenient. An EFT 9 request required a form to be filled out 10 and submitted by mail to TRS. It was 11 inefficient. More time and effort were

required to verify and set up EFT 12 13 information, and only one EFT account 14 could be activated per pension. 15 It was also a data security risk, as 16 members needed to submit a voided check 17 in the mail, resulting in possible mail 18 fraud identity theft. 19 Barbara will walk us through the 20 modernized process by submitting an EFT 21 request. 22 MS. OWCZARCYK: Thank you, Suzanne. 23 Over the past six years serving as 24 supervisor of the EFT processing in the 25 legacy system, I have seen the request of 0014 1 the EFT can be time-consuming and lengthy 2 due to manufacturers. Example of that can be that the paper form was mailed, 3 4 was lost; the paper form was incorrectly 5 filled out by the member or the form 6 provided was incomplete. 7 As a member -- organization, 8 wouldn't we like to offer a system that 9 provides a straight-through process solution instead? 10 11 We couldn't wait for this to see one 12 day, and now it is a reality. In aspect, 13 the new modernized system, the EFT --14 linked to the online portal for TRS 15 members. 16 Currently, the online EFT process is 17 available to death beneficiaries and 18 retirees. 19 The member portal offers 20 instantaneous processing for EFT and the 21 process can follow in three quick steps. 22 First, member logs in and and enters 23 the EFT information on secure website. 24 Second, the account ownership is 25 authenticated within seconds. 0015 1 And third, the EFT account is 2 activated and available to use for TRS 3 disbursements. 4 This is a sample screen showing the 5 web page (indicating), where the member 6 enters all required EFT information such 7 as account name, account type, routing 8 number and account number. Once the EFT information is entered 9 10 by the member, it is being sent for 11 account ownership authentication to a 12 third party known as Early Warning 13 Systems, EWS. EWS provides information

14 from participating financial institutions 15 about customer activity and history to 16 detect fraud and assess risk. 17 The information entered is compared 18 against the account transactions and 19 account owner information maintained in 20 the national SHRPC database. 21 EWS provides immediate notification 22 of the account ownership with --23 condition of verification against account 24 owner elements such as first name, last 25 name, Social Security and date of birth. 0016 1 The benefit of using EWS is to 2 eliminate or minimize the need to provide 3 supporting documents such as bank 4 authorization letters, and to insure 5 funds paid by TRS are being delivered to 6 the designated payee. 7 Once the EFT account is positively verified, it's established with no time 8 9 and no need of TRS personnel assistance. 10 If the EFT cannot be verified and it's 11 rejected by EWS, the member is notified 12 immediately to submit another bank 13 account for the EFT. 14 In case when the bank is not 15 participating to the national shared 16 database maintained by EWS, the member is 17 able to upload online a supporting 18 document verifying his ownership of the 19 account. 20 Again, this option provides a 21 faster, convenient and secure way of 22 providing documents to TRS as opposed to 23 mailing them. 24 Also, unlike the legacy system, the 25 modernized system provides capabilities 0017 of setting multiple EFT accounts for EFT 1 2 -- that can be linked to different 3 payment streams. 4 This is a screen photo -- to view 5 the EFT setup and maintain it from online 6 processing (indicating). 7 In summary, the processing of EFT 8 online linked to the modernized system is 9 available 24/7 and is fast, secure and 10 offers multiple EFT accounts that can be established by our members. 11 12 Thank you. 13 Now I'm going to hand over back to 14 Suzanne who will summarize this 15 presentation.

16 MS. OWECZARCYK: Thank you, Barbara. 17 Are you excited? Because I am. 18 Excited to see the growth in processing 19 EFT in our legacy system to our 20 modernized system; excited that all our 21 members now have many options available 22 when setting up their EFT online. 23 We see that when business and 24 technology changes are applied to the 25 organization it improves the members' 0018 1 experience and -- by providing efficient 2 and effective services. 3 While we continue to modernize our 4 processes we must leverage technology to 5 enhance and improve our day-to-day lives, making it easier, simpler and quicker. 6 7 Thank you. 8 Any questions? 9 MS. REILLY: Thank you, Barbara and 10 Suzanne. Appreciate the presentation. 11 Next on the agenda is Questions and 12 Comments from the Public. Do we have any questions or comments 13 14 from the public? 15 (No response.) 16 CHAIRPERSON PENNY: Hearing none. 17 Thank you. That was a great 18 presentation. 19 I think, if Matt is still on? 20 Matt, during the pandemic the only 21 good thing maybe that came out of it was, 22 we had a lot of our retirees sign up for 23 EFT. What is the percentage? It's about 24 95 or 90 percent of our retirees on EFT? 25 MR. LASKOWSKI: It's well in excess 0019 of 95 percent at this point. We did do a 1 2 campaign during the pandemic, an outreach 3 at the beginning an then a year into it, to try and convert those outliers who 4 5 were still receiving checks to EFT. 6 CHAIRPERSON PENNY: Thank you. 7 MR. KAZANSKY: Somebody just 8 e-filed, he faxed in an EFT request to 9 retire today. So you'll have one more. 10 CHAIRPERSON PENNY: Every little bit 11 helps. Thank you. 12 So I think we're ready for executive 13 session. Do I hear a motion to go into 14 executive session? 15 MR. BROWN: So moved. CHAIRPERSON PENNY: Do I hear a 16 17 second?

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           MS. HIRSH: Second.
           CHAIRPERSON PENNY: Any discussion?
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           All those in favor please say "Aye."
21
           (A chorus of "Ayes.")
22
           All opposed?
23
           Any abstentions?
24
           (No response.)
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           (Whereupon, the Board entered
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     executive session.)
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           CHAIRPERSON PENNY: We're going into
 4
    executive session.
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           (Brief discussion off the record.)
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           (Whereupon, the Board returned to
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    public session.)
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           CHAIRPERSON PENNY: Welcome back to
 9
    public session.
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           Susan, would you be nice enough to
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    report out?
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           MS. STANG: Certainly.
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           In executive session we discussed
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    the resolution for a search for a new
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     service provider. The resolution was
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     approved and a chair of the search
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     committee was appointed.
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           CHAIRPERSON PENNY: Thank you so
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    much.
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           Does anyone have anything further?
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           (No response.)
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           Hearing none, do I hear a motion to
23
     adjourn?
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           MR. BROWN: So moved.
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           CHAIRPERSON PENNY: Thank you, Mr.
0021
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    Brown.
           Do I hear a second?
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 3
           MS. HIRSH: Second.
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           CHAIRPERSON PENNY: Any discussion?
 5
           All those in favor please say "Aye."
           (A chorus of "Ayes.")
 6
 7
           Any opposed?
 8
           Abstentions?
 9
           (No response.)
10
           We stand adjourned.
11
           Thank you everyone. Have a great
12
     day.
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           (Whereupon, at 4:13 p.m., the
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    meeting was concluded.)
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CERTIFICATION I, Jeffrey Shapiro, a Stenographic Reporter and Notary Public, within and for the State of New York, do hereby certify that I reported the proceedings in the within-entitled matter, on Thursday, January 20, 2022, and that this is an accurate transcription of these proceedings. IN WITNESS WHEREOF, I have hereunto set my hand this 23rd day of January, 2022. JEFFREY SHAPIRO