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 2
         NEW YORK CITY TEACHERS' RETIREMENT SYSTEM
                        BOARD MEETING
 5
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 7
    Held on Thursday, November 17, 2016, at 55 Water
    Street, New York, New York
 9
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   ATTENDEES:
11
     JOHN ADLER, Chairman, Trustee
   DEBRA PENNY, Trustee
DAVID KAZANSKY, Trustee
12
13
14
     THOMAS BROWN, Trustee
15
     SUSANNAH VICKERS, Trustee
16
     RAYMOND ORLANDO, Trustee
17
     PATRICIA REILLY, Teachers' Retirement System
18
     THAD McTIGUE, Teachers' Retirement System
     RON SWINGLE, Teachers' Retirement System
     VALERIE BUDZIK, Teachers' Retirement System
20
21
22
23
   REPORTED BY:
24
    YAFFA KAPLAN
25
    JOB NO. 0409749
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 2
   ATTENDEES (Continued):
    ELLEN DeLEO, Teachers' Retirement System
 3
     LIZ SANCHEZ, Teachers' Retirement System
 5
     ANTHONY MEZZACAPPA, Teachers' Retirement System
      ANNETTE HANHARAN, Teachers' Retirement System
 6
 7
      ROBERT BETHELMY, Teachers' Retirement System
     ROBERT GRAY, Teachers' Retirement System
     PAUL RAUCCI, Teachers' Retirement System
10
      NATARAJAN KRISHNAMOORTHY, Teachers' Retirement
11
   System
12
     RENEE PEARCE, Teachers' Retirement System
     ANDREW BRADFORD, Teachers' Retirement System
13
     AMY OKEREKE, ESQ., Law Department
14
15
     SHERRY CHAN, Chief Actuary
16
     MELVYN AARONSON
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MR. ADLER: Good afternoon. Welcome to
 2
 3
     the Teachers' Retirement System board meeting
 4
     for November 17, 2016.
 5
           Pat, will you please call the roll?
 6
           MS. REILLY: Yes. John Adler?
 7
           MR. ADLER: I am here.
 8
           MS. REILLY: Thomas Brown?
9
           MR. BROWN: I am here as well.
           MS. REILLY: David Kazansky?
10
11
           MR. KAZANSKY: Present.
12
           MS. REILLY: Raymond Orlando?
13
           MR. ORLANDO: I am both here and
14
    present.
15
           MS. REILLY: Debra Penny?
16
           MS. PENNY: Here.
17
           MS. REILLY: Susannah Vickers?
18
           MS. VICKERS: Here.
19
           MS. REILLY: Okay. We do have a quorum.
20
           MR. ADLER: Good.
21
           Patricia, please take us away.
22
           MS. REILLY: Sure.
23
           Next on the agenda is an update of TRS
     operations. Each of you should have received
24
     the latest calendar of events, and we have a
25
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 2
     few updates from Ellen DeLeo.
           MS. DeLEO: TRS has begun processing the
 3
 4
    retirement revisions for members retired on or
 5
     after July 1, 2014, per the ratified UFT
 б
     contract. TRS expects approximately 2,100
 7
     members to receive their revised benefits on
     the November 30th payroll. Additional
 8
     revisions will continue to be targeted for
 9
10
     future payrolls.
11
           A new plan year goes into effect on
12
     January 1, 2017, for our Tier VI members,
13
     requiring TRS to review the constitution rates
14
     of our TRS members. Any resulting changes
     from the review will be determined next month,
15
16
     allowing new rates to take effect at the start
17
     of the new plan year.
18
           The 2016 annual benefit statement effort
19
    has completed. The last batch of statements
20
    was mailed on October 21st. In total, 115,242
     statements were mailed, and these statements
21
22
    were made available electronically through the
23
     secure area of our website on October 26th.
24
           Between October and November, TRS Member
25
     Education staff participated in 14 CUNY
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 2
     Benefit Fairs across all five boroughs as well
 3
     as four outreach events which included the
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Association of Assistant Principals
 5
     Conference, the Educational Leadership
     Conference for CSA, DC 37 shop stewards
 6
 7
     training, and a special Paraprofessional
 8
     Pension clinic at the UFT office in Staten
 9
     Island. Additionally, TRS Member Education
10
     staff conducted three Getting Ready For
11
     Retirement educational programs.
12
           MS. REILLY: Thank you, Ellen.
13
           Next on the agenda is a modernization
14
     update. All of you received the third
15
     independent validation and verification report
16
     for the second quarter of 2016. I was just
17
     going to give a brief update. Forgive me if I
18
     read it.
19
           So to date, the TRS modernization
20
     program has successfuly completed three phases
21
     out of the five-program-phase project. And we
22
     implemented that functionality into the ASPEN
23
     production. For those of you who don't know,
24
     we have named our system ASPEN. In early
25
     2015, Phase I delivered a new TRS website that
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     replaced all 300 pages of our legacy TRS
 3
     website. It enables us to support the
 4
     subsequent development of robust member
 5
     self-service web and front end which -- where
 6
     the member can initiate transactions and
 7
     service themselves. Additionally, TRS
 8
     replaced its obsolete legacy electronic
 9
     document management system with Filenet, which
10
     is an industry standard of electronic content
     management system, and we integrated the
11
12
     following application within both our ASPEN
13
     system and our legacy system which is called
14
     UPS.
15
           In the spring of this year, the
16
     modernization team implemented the results of
17
     the Phase II project, replacing and improving
18
     TRS legacy customer relationship management
19
     software along with a new and improved person
20
     demographic functionality, and just last
21
    month, Phase III went into production so that
22
     all enrollees now are being processed through
23
     ASPEN, including force-in and voluntary
24
     enrollments and a new partner portal which was
25
     established for our charter school employers.
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           We have one team that is currently
 3
     working on an early delivery of our Phase IV
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functionality, which is expected to be

implemented in the third quarter of 2017.

4

5

This will include an update of our website security features and provide significant increases in the level of protection our members have on the website.

Some of the industry standards that you see -- for instance, if a person tries to log into our system from a device that we don't recognize, we will have them go through a set of different -- of verification of their identity, things like that, to enhance the security of our website. We also will be providing a variety of enhancements to the functionality implemented in Phase I that the team has asked for, and we are also going to be integrating a software package that will enable our communications department to be able to directly maintain the website's static content without having to involve our IT department.

The majority of the modernization team

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Proceedings

that isn't working on that early implementation is working on the rest of the Phase IV project which will have -- which will take -- will transition to ASPEN all of our employment and service processing, loan processing, TDA processing and most of our benefit transaction processing and anything that is not related to retirement or death benefit processing. Those would be in the Phase V which I am not speaking to here, but that's when those would be expected to go in.

Additionally, the modernization business intelligence/data warehouse team has successfully stood up an infrastructure on which our data warehouse will be housed and is currently engaged in designing and developing extracts from ASPEN that will be used to provide business intelligence and ad hoc reporting by the business without IT intervention for Phase I, II and III, and when IV goes into production, they will also be able to get business intelligence and ad hoc reporting on their own.

And as of August, TRS has expended \$71.5

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million on the modernization initiative, which is about 35 percent of the project budget, and we have completed about 34 percent of the user story points that need to be developed to successfully complete the project. So that's my update.

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MR. ADLER: Let me ask a question.
 9
     is it safe to say that the project right now
10
     is on time and on budget?
11
           MS. REILLY: Yes, for the most part.
12
           MR. ADLER: Okay. Good.
13
           MS. REILLY: I mean, we did have some
14
     delays. I think you saw that but we expect --
15
     you know, things are running simultaneously.
16
     If we have a delay in one phase, the other
17
     phase is maybe impacted slightly but not --
18
     but they continue to move forward as well. So
19
     we are still on track for on time and on
20
     budget.
21
           MR. ADLER: Good.
22
           MS. REILLY: That's it if you have any
23
     other questions.
24
           MR. ADLER: Any other questions for Pat?
25
           MS. VICKERS: When does the completion
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     -- I mean, we never know exactly, the target.
 3
           MS. REILLY: So I think the first -- I
 4
     think in 2021. So end of 2020, 2021.
 5
           MS. VICKERS: Great.
           MS. REILLY: Okay. Next on the agenda
 6
 7
     is the executive director's report. So it's
 8
     been suggested that the next regular board
     meeting of the Teachers' Retirement Board be
     held on December 22, 2016. So everybody can
10
11
     mark their calendars.
12
           And the first resolution is the
13
     extension of participation in the Common
14
     Investment Meeting. "Whereas, the Teachers'
15
     Retirement Board as of this October 2016" --
16
           MR. KAZANSKY: Please skip to the
17
     resolved.
18
           MS. REILLY: "Resolved, that the
19
     Teachers' Retirement Board extends for a
20
     one-year period its participation in the
21
     Common Investment Meeting (CIM), as described
22
     and subject to the conditions of the 2015 CIM
23
     Resolution and the CIM Procedures attached to
24
     this resolution, and as further agreed between
25
     the Board, the Comptroller's Office and the
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     other Retirement Systems; and be it further
 3
     resolved, that nothing in this resolution
     shall -- I'm sorry -- abrogate any rights or
 5
     waive any responsibilities reserved to the
     Board of Trustees under applicable law".
 7
           MR. ADLER: So there is a resolution.
 8
     Is there a motion to adopt the resolution?
           MR. KAZANSKY: So moved.
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MR. ADLER: Is there a second?
10
11
           MS. PENNY: Second.
12
           MR. ADLER: Motion made and seconded.
13
     Any discussion of the resolution? Let's just
14
    note that the CIM procedures, which are on a
15
     separate sheet, will be attached to the
16
     resolution as a part of it.
17
           All right. Motion made and seconded.
18
     All in favor of the resolution, please say
19
     aye. Aye.
20
           MS. VICKERS: Aye.
21
           MS. PENNY:
                      Aye.
           MR. ORLANDO: Aye.
22
23
           MR. KAZANSKY: Aye.
24
           MR. BROWN: Aye.
25
           MR. ADLER: All opposed, please say nay.
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     Any abstentions? Okay. Motion carries.
           MS. REILLY: So next is the cal -- that
 4
     concludes the executive director's report, and
 5
     the next agenda is the calendar and each
 6
     trustee should have a full calendar.
 7
           And the first matter on the calendar is
     the approval of the minutes for the regular
 8
 9
     board meeting held on October 20, 2016.
10
           MR. ADLER: Is there a motion to approve
11
     the minutes of the October 20, 2016 board
12
     meeting?
13
           MR. BROWN: So moved.
14
           MR. ADLER: Is there a second?
15
           MS. PENNY: Second.
16
           MR. ADLER: I just want to make one very
17
    minor comment about the minutes which is that
18
     it identifies me as representing finance, and
19
     in fact, you know, I work -- even though I
20
    work in finance, I represent the Mayor on the
21
    Board, so the meeting minutes should be
22
     amended to reflect that.
23
           Is that a friendly amendment, Mr. Brown?
24
           MR. BROWN: I think so.
25
           MR. ADLER: Any other discussion about
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                   Okay. All in favor of the
     the minutes?
 3
     motion as amended, please say aye. Aye.
 4
           MS. VICKERS: Aye.
 5
           MS. PENNY: Aye.
 6
           MR. ORLANDO: Aye.
 7
           MR. KAZANSKY: Aye.
 8
           MR. BROWN: Aye.
 9
           MR. ADLER: All opposed, please say nay.
10
     Any abstentions? Okay. Motion carries.
11
           MS. BUDZIK: Before we move on to the
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12
    next item, we just want to make a
13
     clarification on the CIM resolution. There
14
     were -- these things happen. There was minor
15
     changes to the procedures document, and this
16
     is not the last version. So we will
17
     distribute to all the Board members the final
18
     version of the CIM procedures. They are not
19
    materially different. They just, you know,
20
     clarify a few points and time frames that the
21
     Comptroller, you know, is able to -- is
22
     comfortable it can meet.
23
           MS. VICKERS:
                         Thank you, Valerie.
24
           MR. ADLER: Can we just do this?
25
     you distribute them to the Board members and
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 2
     also insert the actual CIM procedures into the
 3
     minutes, the accurate version?
 4
           MS. BUDZIK: Yes. We will do that.
 5
           MR. ADLER: So that we have a record of
 6
     it.
 7
           MS. BUDZIK: Is anybody interested in
 8
     the changes?
                  We can describe them.
                                          They are
 9
     not that --
10
           MR. ADLER: Does anybody want them
11
     described?
12
           MR. KAZANSKY: No.
13
           MR. ADLER: Okay. All right.
14
     moving the calendar.
15
           MS. REILLY: Okay. So we have pages 1
16
     through 14, inclusive, which is the monthly
17
     periodic payroll of TDA excess loan payments.
18
     Page 15, payroll summary, accounts payable,
19
     new retirees, and TDA accounts. Pages 16
20
     through 40, inclusive, are the transfer of
21
     active TDA deferrals to annuity. Pages 41
22
     through 99, inclusive, are fractional
23
    payments. Pages 100 through 110, inclusive,
24
     are uncollected checks from deceased members.
25
     Pages 111 through 123, inclusive, are
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    beneficiaries continuing option payments.
 3
    Pages 124 through 137, inclusive, is
 4
     conversions to pop-up payments. Pages 138
 5
     through 204, inclusive, are the beneficiaries
 б
     who receive one-time payments from their QPP
 7
     and TDA accounts. Page 205 through 207 is the
     return net accumulated salary deductions.
 9
     Page 208, inclusive, are the transfer of funds
10
    between banks. Page 209 through 213 is the
11
    purchase and sales of securities transacted
12
     from the Passport Fund Program. Page 214
13
     through 216, inclusive, is the successive
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14
     installment payments. Pages 217 through 230
15
     are outstanding checks. Pages 231 through
16
     713, inclusive, is the revisions, including
17
     those under class coverage. Pages 714 through
18
     715 is layoff without pay. Pages 716 through
19
     718 is the payments for service payment. Page
20
     719 is denied accident disability benefits.
21
     Page 720 is denied ordinary disability
    benefits. Page 721 is the minimum
22
23
     accumulations. Page 722 is the extension of
24
     life insurance plan. Page 723 is new service
25
     retirement payment. And that concludes the
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     calendar.
 3
                      Okay. Is there a motion to
          MR. ADLER:
 4
     adopt the calendar?
 5
           MR. BROWN: So moved.
 6
           MR. ADLER:
                      Is there a second?
 7
           MS. PENNY: Second.
8
          MR. ADLER: Okay. Any discussion? All
9
     in favor of the motion to adopt the calendar,
10
     please say aye. Aye.
11
          MS. PENNY: Aye.
12
          MR. ORLANDO: Aye.
13
          MR. KAZANSKY: Aye.
14
          MR. BROWN: Aye.
15
          MR. ADLER: All opposed, please say nay.
     Any abstentions? Okay. Motion carries.
16
17
          MS. REILLY: The next item is other
18
     business before the Board.
19
           MR. ADLER: Any other business before
20
     the Board today?
           MR. KAZANSKY: I would just like to make
21
22
     one comment, and that is on behalf of the
    members of the United Federation of Teachers.
23
24
     Since Thanksgiving is coming up, we would like
25
     to bring to all the people in this room and
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     the staff of Teachers' Retirement System warm
 2
 3
     wishes for a happy Thanksgiving and to thank
 4
     all of you for all the work you do for our
 5
     members securing their retirement.
 6
          MS. REILLY:
                        Thank you. I appreciate
 7
     that.
           You too.
 8
          MR. ADLER: I would also just like to
9
     make one other comment which is I believe this
10
     will be the last board meeting that Amy
11
     Okereke attends on behalf of the Law
12
     Department, and I would just like to thank her
13
     on behalf of the Board for all the work that
14
     she has done as counsel to the fund.
15
           MS. OKEREKE: Unfortunately, I was only
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16
     with you all for a short period of time, but
17
     it has been a pleasure working on these
18
     interesting and important teachers' issues.
19
     Thank you all.
20
           MS. VICKERS: Good luck.
21
           MR. ADLER: Okay. Any other business?
22
     All right. Any questions or comments from the
23
     public? None today. Okay. I believe that
     concludes our public session agenda for now.
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25
     So I think a motion would be in order to move
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     into executive session.
 3
          MS. PENNY: I move pursuant to Public
 4
    Officers Law, Section 105, to go into
 5
     executive session to discuss specific
 6
     investment and contract matters.
 7
           MR. ADLER: Is there a second?
 8
           MS. VICKERS: Second.
9
           MR. ADLER: Okay. Motion made and
10
     seconded. Any discussion? All in favor of
11
     the motion to move into executive session,
12
     please say aye. Aye.
13
          MS. VICKERS: Aye.
          MS. PENNY: Aye.
14
15
          MR. ORLANDO: Aye.
16
          MR. KAZANSKY: Aye.
17
          MR. BROWN:
                      Aye.
          MR. ADLER: All opposed, please say nay.
18
19
     Any abstentions? Okay. We are now going to
20
     executive session. Just wait a moment.
21
           Okay. Back in public session. Ron,
22
     will you please make a report out of executive
23
     session?
24
           MR. SWINGLE: Yes. Okay. The hiring of
25
     a climate change consultant was presented and
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     discussed. Consensus was reached.
                                         Consensus
     was reached to effectuate a transfer and
 3
 4
     rebalance of assets presented by the Actuary,
     and consensus was reached to update a list of
 5
 б
     investable countries.
 7
          MR. ADLER:
                      Valerie, did you want to
 8
     comment on that?
 9
          MS. BUDZIK: For purposes of a specific
10
     investment.
11
           MR. ADLER: Okay. Any other matters for
12
     the agenda? Okay. Then I think a motion to
13
     adjourn would be in order.
14
          MR. ORLANDO: So moved.
15
          MR. ADLER: Is there a second?
16
          MS. VICKERS: Second.
17
          MR. ADLER: Any discussion? All in
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18
      favor of the motion to adjourn, please say
19
      aye. Aye.
20
            MS. VICKERS: Aye.
21
            MS. PENNY: Aye.
            MR. ORLANDO: Aye.
22
23
            MR. KAZANSKY: Aye.
24
            MR. BROWN: Aye.
25
            MR. ADLER: All opposed, please say nay.
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 3
     Any abstentions? Okay. Motion carries.
                                                       The
 3
     meeting is adjourned.
 4
             (Time noted: 4:00 p.m.)
 5
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 7
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 3
     STATE OF NEW YORK
                              )
 4
                              : ss.
 5
     COUNTY OF QUEENS
                              )
 6
 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 2nd day of December,
15
           2016.
16
17
18
                                 YAFFA KAPLAN
19
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CIM PROCEDURES

- 1. The Comptroller will distribute the CIM TRS Board package (e.g., performance reports, investment recommendations and memos) and a detailed CIM agenda at least 2 weeks in advance. The agenda will include a summary sheet of all action items for the breakout/caucus session, including the names of managers recommended for hire or termination, recommended commitment amounts, and, when possible, assets to be moved.
- 2. The Comptroller will distribute all meeting handouts and slides with the Board Package, if possible, but at least 1 week before the CIM meeting.
- 3. The Comptroller will provide electronic copies of a prospective manager's presentation material 1 week in advance, when available. If electronic copies are not available prior to the meeting, the Comptroller will provide the electronic copies within one week of the CIM.
- 4. The Comptroller will provide CIM minutes, including minutes from the common meeting and the breakout session, within 2 weeks of the CIM.
- 5. The Comptroller will copy designated TRS staff on all official Board communications from the Comptroller's Office to TRS Trustees.
- 6. All material required by these CIM procedures shall be provided to Trustees, designated TRS staff and consultants. Access to meeting material may be by portal, developed and hosted by the Comptroller's Office. The Comptroller will promptly notify Trustees, TRS staff and consultants when material is posted to the portal.
- 7. To facilitate discussion on action items and other matters, the breakout/caucus session will occur after the common meeting and any breaks.
- 8. These procedures are in addition to and supplement the provisions of the CIM Authorizing Resolutions.