1 NEW YORK CITY TEACHERS' RETIREMENT SYSTEM REGULAR BOARD MEETING 2 Held on Thursday, November 19, 2015 at 3 55 Water Street New York, New York 4 5 ATTENDEES: б JOHN ADLER, Chairperson, Trustee, Finance 7 PATRICIA REILLY, Executive Director, TRS THADDEUS MCTIGUE, Deputy Executive Director, TRS SANDRA MARCH, Trustee, TRS 8 THOMAS BROWN, Trustee, TRS DAVID KAZANSKY, Trustee, TRS 9 SUSANNAH VICKERS, Trustee, Comptroller's Office RAYMOND ORLANDO, Trustee, TRS 10 ANDREW BRADFORD, TRS 11 VALERIE BUDZIK, TRS RENEE PEARCE, TRS PAUL RAUCCI, TRS 12 LIZ SANCHEZ, TRS NATARJAN KRISHNAMOORTHY, TRS 13 ROBERT BETHELMY, TRS ANNETTE HANRAHAN, TRS 14 SUSAN STANG, TRS 15 ELLEN DeLEO, TRS ANTHONY MEZZACAPPA, TRS SAM RUMLEY, Actuary's Office 16 KEITH SNOW, Corporation Counsel MELVYN AARONSON 17 18 19 20 21 22 23 24 25

1	PROCEEDINGS
2	(Time noted: 3:45 p.m.)
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4	CHAIRPERSON ADLER: Welcome to the Teachers'
5	Retirement System Board Meeting of November 19, 2015.
6	Patricia, will you call the roll?
7	MS. REILLY: John Adler?
8	CHAIRPERSON ADLER: Here.
9	MS. REILLY: Sandra March?
10	MS. MARCH: Present.
11	MS. REILLY: David Kazansky?
12	MR. KAZANSKY: Here.
13	MS. REILLY: Thomas Brown?
14	MR. BROWN: Here.
15	MS. REILLY: Susannah Vickers?
16	MS. VICKERS: Here.
17	MS. REILLY: Raymond Orlando?
18	MR. ORLANDO: Here.
19	MS. REILLY: We do have a quorum.
20	I think we're going to start with an update on
21	TRS operations. Each of you received a calendar of
22	events. We have a few updates from Ellen.
23	MS. DELEO: TRS continues to work towards
24	meeting its target of finalizing retirement revisions
25	resulting from the UFT contract implementation, for

members retired pre-July 1, 2014 by year end. We will then prioritize finalizing this year's summer retirements, followed by revisions for CSA members resulting from the CFA contract implementation for members that retired pre-July 1, 2015.

6 In January TRS plans to roll out a totally 7 redesigned mobile-friendly website as part of the 8 modernization project. While the same information and 9 secure applications will be available, the look and feel 10 will be all new.

In December members will be able to get a sneak peek of the new website when we post a video preview on our current website.

Beginning in December, TRS will begin issuing refunds of contributions and overpayments of loans and service purchasing through EFT directly to the members' accounts, in which they are receiving their in-service payroll. This will enable TRS to disburse refunds faster and more securely.

As part of our preparation for extreme events that would disrupt our ability to conduct business operations at 55 Water Street, we test contingency plans periodically. On December 1 and 2 we will be conducting a test of our operations from an off-site location. The first day will be used to prepare our trailer solution,

1 followed by a group of employees representing critical 2 TRS functions reporting to this location on the second 3 day, to perform production work using test scripts for critical work that they would need to perform from this 4 5 off-site location in an emergency. б A second group of employees will be performing 7 production work from home. Part of this test will also include printing 8 9 correspondence using the print service provider that is 10 part of our continuity plan. Based on this test of all TRS critical 11 12 activities, we will get together to look at what worked well and what can be improved upon. 13 14 MS. REILLY: Thank you, Ellen. 15 The next item on the agenda is the executive director's report. The first item there is the next 16 17 meeting. It was suggested that the next regular meeting 18 of the Teachers' Retirement System be held on December 17, 2015. 19 CHAIRPERSON ADLER: Any objections? 2.0 21 (No response.) 22 MS. REILLY: The second item is authorization to 23 study whether divesting from thermal coal companies 24 would have a material impact on the risk and return characteristics of the Teachers' Retirement System 25

1 portfolio.

2	MS. MARCH: Move to the resolves, please.
3	MS. REILLY: "Resolved, that the Board directs
4	the Bureau of Asset Management and the general
5	consultant to study whether divesting from our publicly
6	traded equity and debt securities, as well as bank
7	loans, in companies that produce, mine and/or process
8	thermal coal as the exclusive or predominant source of
9	their revenue, including Alpha Natural Resources Inc.,
10	Arch Coal, Inc., Cloud Peak Energy, Inc., Consul Energy
11	Inc., and Peabody Energy Corporation, would have
12	material impact on the risk and return characteristics
13	of our portfolio."
14	CHAIRPERSON ADLER: Is there a motion to approve
15	this resolution?
16	MS. MARCH: So moved.
17	MR. KAZANSKY: Second.
18	CHAIRPERSON ADLER: Any further discussion of
19	the motion?
20	(No response.)
21	Let's move to a vote.
22	All in favor of the resolution to study
23	divesting from thermal coal companies, please say "Aye."
24	(A chorus of "Ayes.")
25	Opposed?

1 (No response.)

2 Abstentions?

3 Motion carries.

MS. REILLY: The next item is authorization to 4 5 study strategies to mitigate risk of climate change on б the Teachers' Retirement System's investment portfolio. 7 MS. MARCH: Move to the resolves, please. MS. REILLY: "Resolved, that the Board directs 8 9 TRS staff to engage a qualified consultant to review 10 strategies to mitigate the risk of climate change on 11 TRS's Qualified Pension Plan and Tax Deferred Annuity 12 Program investment portfolios, including, in addition to 13 thermal coal companies, possible divestiture from other 14 types of fossil fuel companies that contribute 15 substantially to climate change, as well as possible shareholder engagement initiatives, consistent with the 16 17 Board of Trustees' fiduciary duties to TRS members and 18 beneficiaries."

19 CHAIRPERSON ADLER: Thank you.

Is there a motion to approve the authorization to study strategies to mitigate the risk of climate change on the Teachers' Retirement System's investment portfolio?

24 MR. BROWN: So moved.

25 MR. KAZANSKY: Second.

б

1 CHAIRPERSON ADLER: Any discussion of this resolution? 2 3 (No response.) Let's move to a vote. 4 5 All in favor of the resolution to study б strategies to mitigate the risk of climate change on the 7 TRS investment portfolios, please say "Aye." (A chorus of "Ayes.") 8 9 Any opposed? 10 (No response.) 11 Any abstensions? Motion carries. 12 13 MS. REILLY: The next resolution are union contract increases for TRS employees. 14 15 MS. MARCH: Move to the resolves, please. MS. REILLY: "Resolved, that the Trustees of the 16 17 Teacher's Retirement Board hereby approve a modification 18 of the fiscal year 2016 budget, by increasing such budget in the amount of \$70,000 to cover contractual 19 increases for parts of fiscal year 2012, fiscal year 20 2013, fiscal year 2014, fiscal year 2015 and fiscal year 21 2016." 22 23 CHAIRPERSON ADLER: Thank you. 24 Is there a motion to approve the resolution regarding the union contract increases for TRS 25

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1 employees?
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              MS. MARCH: So moved.
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              CHAIRPERSON ADLER: The motion has been moved.
 4
              Is there a second?
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             MS. VICKERS: Second.
              CHAIRPERSON ADLER: Any discussion?
 б
7
              I have a question. Is the $70,000 figure for
      each fiscal year or for the combined 2012 through 2016?
8
9
              MR. McTIGUE: Combined.
10
              CHAIRPERSON ADLER: Thank you.
11
              Any other discussion or comments?
12
              (No response.)
13
              The motion has been moved and seconded. All in
14
      favor of the motion regarding union contracts increases
15
      for TRS employees please signify by saying "Aye."
              (A chorus of "Ayes.")
16
17
              Any opposed?
18
              (No response.)
              Abstentions?
19
20
              (No response.)
              The motion carries.
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              MS. REILLY: That concludes the executive
23
     director's report. The next item on the agenda is the
24
      calendar, and each Trustee should have received a full
25
      calendar.
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1 The first matter on the calendar is the approval 2 of the minutes of the regular meeting of October 22, 2015. 3 CHAIRPERSON ADLER: Is there a motion to approve 4 5 the minutes of the regular meeting of October 22, 2015? MR. KAZANSKY: So moved. б 7 CHAIRPERSON ADLER: Is there a second? MR. BROWN: Second. 8 CHAIRPERSON ADLER: Any discussion of the 9 10 minutes? 11 (No response.) Let's move to a vote. All in favor of the 12 13 motion to approve the minutes of October 22, 2015 please say "Aye." 14 (A chorus of "Ayes.") 15 Any opposed say "Nay." 16 17 (No response.) 18 Any abstentions? (No response.) 19 Motion is carried. 20 21 MS. REILLY: I'll now read from the report. 22 From pages 1 to 14 inclusive of the monthly 23 periodic payroll, the excess and loan payments. 24 Page 15 is payroll summary, accounts payable, new retirees and TDA employees' accounts. 25

1 Pages 16 through 43 inclusive is the transfer of 2 active deferrals to annuity payments. 3 Pages 44 through 99 inclusive are fractional 4 payments. 5 Pages 100 through 124 inclusive are uncollected checks of deceased members. б 7 Pages 125 through 138 inclusive are beneficiaries continual option payments. 8 Pages 139 to 147 inclusive are the conversion 9 10 payments. 11 Pages 148 through 195 inclusive are beneficiaries to receive one time payments from the PPT 12 13 and TDA accounts. Pages 196 through 198 inclusive is the return 14 net accumulated salary deduction. 15 Page 199 is the transfer of funds between banks. 16 Page 200 through 204 inclusive are purchases and 17 18 sales of securities invested from the passport fund 19 program. 20 Page 205 through 214 inclusive is outstanding 21 checks. 22 Pages 215 through 279 inclusive are the 23 revisions, including class coverage. 24 Pages 280 through 282 inclusive is the payment for service credit. 25

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              Pages 238 are the non-accident disability
 2
      benefits.
 3
              Page 284 are denied ordinary disability
 4
      benefits.
 5
              Page 285 is minimum accumulations.
 б
              Page 286 are rules and regulations.
 7
              Page 287 are new service retirement payments.
              That concludes the calendar.
 8
              CHAIRPERSON ADLER: Do we need a motion to
 9
      approve the calendar?
10
              MR. KAZANSKY: So moved.
11
12
              MS. MARCH: Second.
13
              CHAIRPERSON ADLER: It's been moved and
14
      seconded.
              Any discussion of the calendar?
15
16
              (No response.)
              Let's move to a vote. All in favor of the
17
      calendar please say "Aye."
18
              (A chorus of "Ayes.")
19
20
              All opposed say "Nay."
21
              (No response.)
22
              Any abstentions?
              The calendar is approved.
23
24
              MS. REILLY: The next item is any business
     before the Board.
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1	CHAIRPERSON ADLER: Does anyone have other
2	business to bring before the Board?
3	(No response.)
4	Then any comments or questions from the public?
5	(No response.)
б	So, do we have a private executive session or
7	attorney-client confidential today?
8	MR. SNOW: No.
9	CHAIRPERSON ADLER: I think that concludes the
10	business before the Board today.
11	A motion to adjourn would be in order.
12	MS. VICKERS: Motion.
13	CHAIRPERSON ADLER: Second?
14	MR. BROWN: Second.
15	CHAIRPERSON ADLER: Any discussion?
16	(No response.)
17	All in favor of the motion to adjourn say "aye."
18	(A chorus of "Ayes.")
19	Opposed?
20	(No response.)
21	Abstentions?
22	The meeting is adjourned. Thank you very much.
23	(Time noted: 3:51 p.m.)
24	

CERTIFICATION I, Jeffrey Shapiro, a Shorthand Reporter and Notary Public, within and for the State of New York, do hereby certify that I reported the proceedings in the б within-entitled matter, on Thursday, November 19, 2015, at the offices of the NEW YORK CITY TEACHERS RETIREMENT SYSTEM, 55 Water Street, New York, New York, and that this is an accurate transcription of these proceedings. IN WITNESS WHEREOF, I have hereunto set my hand this 19th day of November, 2015. JEFFREY SHAPIRO