0001 1 2 3 NEW YORK CITY TEACHERS' RETIREMENT SYSTEM 4 BOARD MEETING 5 б 7 Held on Thursday, September 20, 2018, at 55 Water Street, New York, New York 8 9 10 ATTENDEES: 11 JOHN ADLER, Chairman, Trustee DAVID KAZANSKY, Trustee 12 THOMAS BROWN, Trustee 13 14 DEBRA PENNY, Trustee 15 SUSANNAH VICKERS, Trustee 16 TISA LAPIDULA, Trustee 17 PATRICIA REILLY, Teachers' Retirement System 18 THAD McTIGUE, Teachers' Retirement System 19 SUSAN STANG, Teachers' Retirement System VALERIE BUDZIK, Teachers' Retirement System 20 21 22 23 REPORTED BY: 24 YAFFA KAPLAN 25 JOB NO. 2467122 0002 1 2 ATTENDEES (Continued): KAVITA KANWAR, Teachers' Retirement System 3 4 LIZ SANCHEZ, Teachers' Retirement System 5 ANNETTE HANHARAN, Teachers' Retirement System NATARAJAN KRISHNAMOORTHY, Teachers' Retirement б 7 System ANTHONY MEZZACAPPA, Teachers' Retirement System 8 9 ROBERT BETHELMY, Teachers' Retirement System 10 PAUL RAUCCI, Teachers' Retirement System RENEE PEARCE, Teachers' Retirement System 11 12 MARTHA ROSS, ESQ., Law Department 13 SHERRY CHAN, Chief Actuary 14 CINDY COLLINS, Mayor's Office 15 ANDREW BRADFORD, Teachers' Retirement System 16 17 18 19 20 21 22 23 24 25 0003 1 Proceedings

2 MR. ADLER: All right. Good afternoon, 3 everyone. Welcome to the Teachers' Retirement 4 System board meeting for September 20, 2018, 5 and welcome back for a full board meeting. We б already did the welcome back at the investment 7 meeting to a new school year. 8 Patricia, will you please call the roll? 9 MS. REILLY: John Adler? MR. ADLER: I am here. 10 11 MS. REILLY: Thomas Brown? 12 MR. BROWN: Here. 13 MS. REILLY: David Kazansky? 14 MR. KAZANSKY: Present. 15 MS. REILLY: Lindsey Oates? Debra 16 Penny? 17 MS. PENNY: Here. 18 MS. REILLY: Susannah Vickers? 19 MR. ADLER: On her way. Okay. So do we 20 have a quorum? 21 MS. REILLY: We do have a quorum. 22 MR. ADLER: Great. Thank you. All 23 right. Let us proceed. 24 MS. REILLY: So first on the agenda is 25 an update on TRS operations from Kavita 0004 Proceedings 1 2 Kanwar. 3 MS. KANWAR: Thank you, Pat. So far this school year, approximately 4,400 new 4 5 members have been enrolled with TRS, based on б the data received from the Department of 7 Education and charter schools. New members receive a welcome letter from TRS when they 8 9 are enrolled. 10 Approximately 13,500 members elected to increase their TDA contribution rates in 11 12 advance of the retroactive payments that they will receive on October 15th under the UFT 13 14 contract. The retroactive payment provides 15 members a rare opportunity to make a large 16 one-time deposit into their TDA account. TRS 17 contacted eligible members by e-mail with 18 instructions for adjusting their TDA rates 19 before and after the co-payment. 20 Over the summer, TRS conducted an e-mail 21 campaign to members who need to receive a 22 required distribution or RMD from their TDA 23 account. The goal of the accounts was to make 24 the members aware of when and how they can 25 receive their RMD. Over 11,000 members were 0005 1 Proceedings 2 contacted. So far, over 3,000 have responded. 3 Those who do not respond will receive a

4 distribution at year-end. 5 TRS is now on Twitter. We are expanding 6 our social media presence to better connect 7 with our members and supplement our other communication channels. Our primary goal with 8 9 Twitter and all our social media is to drive 10 traffic to our website and to promote 11 self-service there. Follow up with us on 12 Twitter at #mytrsnyc. 13 MR. ADLER: Before we proceed, let the 14 record reflect that Tisa LaPadula has arrived 15 representing Lindsey Oates. 16 MS. LaPADULA: Correct. Hi. 17 MS. REILLY: All right. So now, next is 18 a report from the Actuary. 19 MS. CHAN: Thank you. There were five 20 fiscal notes that were issued since last time 21 we met as a board. The first three are a 22 family of COLA fiscal notes. The first one is 23 one that we had done last year as well. 24 You might recall that we are -- one of 25 the proposed legislation wanted to extend the 0006 1 Proceedings 2 COLA to retirees that retired between 1961 and 3 1972, and assuming someone who retired at 65 4 in 1961 was actually born two centuries ago in 1896, so you can imagine this doesn't affect a 5 б lot of people, but this being TRS, there are 7 actually 35 people it did affect surprisingly. 8 Well, if you were born in 1972, you were born 9 in early 1900s. Sorry. If you retired at 65 10 in 1972, so you were born in early 1900s, so 11 there were 35 individuals and I don't know if 12 you actually got the fiscal note, but we have 13 one for all NYCRS, and you can see the dollar 14 amounts affect the other systems a lot more 15 for police and uniform folks. They are 16 allowed to retire a lot sooner, so they are 17 younger and it affects a lot more people in 18 their retirement systems, but for Teachers' it 19 was 178,400 dollars in annual contributions 20 for the first year. 21 And second COLA fiscal year note was 22 increasing the COLA from 50 percent CPI, which 23 is what it is currently, to 100 CPI. That is 24 the cost here is about one billion dollars and 25 that's a lot more reflective of what a COLA 0007 1 Proceedings 2 fiscal note should cost. Essentially it is 3 doubling the COLA but not completely because 4 there are caps of -- there is a ceiling of 3 5 percent of that CPI.

б So the third COLA fiscal note was to 7 increase the surviving spouse's COLA from 50 8 percent of what the retiree would have 9 received to 100 percent, which is 50 percent 10 is what they would have received now and 11 doubling it to 100 percent of what the retiree 12 would receive is what the proposed legislation 13 was asking for and this was 147 million 14 approximately and you might ask why it's not 15 half of the other fiscal note or increasing it 16 from 50 percent CPI to 100 percent CPI and 17 that's because of a number of factors. And 18 one is that not all retirees select a joint 19 survivor annuity, so if they select a single 20 life annuity, for example, there is no COLA 21 presented to the surviving spouses after they 22 pass away. That's one of them, one reason. 23 Another reason is that even if you 24 select a JNS, the beneficiary owner receives a 25 COLA if it is a spouse. So if it is a parent, 0008 Proceedings 1 2 if it's a kid or grandkid, then they don't --3 the COLA does not extend to them. And 4 obviously also when a member passes away, not 5 necessarily their beneficiary may have б preceded them or not and might not have a COLA 7 passed on to them, so that's why it's not half 8 of one billion. 9 The fourth fiscal note is a picture bill 10 for Mr. Jonathan Grossman who wanted to include his vacation days into his final after 11 12 salary when calculating his retirement 13 benefit, and that worked out to be 222,000 14 dollars in contributions in additional 15 contributions. Surprisingly, one picture bill is more than 35 individuals having a COLA 16 17 extended in the first fiscal note. 18 And then lastly this fiscal note, this 19 last fiscal note is for establishing the 20 position of school resource officers, and this 21 position would be employing people -- public 22 servants who were in law enforcement 23 previously and would now be hired to work in a 24 school to perform school safety or security 25 functions, and this probably has somewhat to 0009 1 Proceedings 2 do with recent school shootings and all that. So it is the first time we did this fiscal 3 note, and it would raise the earnings cap for 4 5 them, post-retirement earnings cap for them so 6 that if they had outside employment that is

7 over a certain limit, that their pension

benefits wouldn't cease. 8 9 So the current limit right now is 30,000 10 If you have outside employment and dollars. 11 your outside employment is more than 30,000 12 dollars, your pension benefit actually ceases. 13 The proposed legislation was to increase this 14 cap from 30,000 to 50,000. 15 And because like I said it's the first 16 time we did it, it's a new position, it 17 depends on a lot of uncertainties such as, you 18 know, what is a budget, like how many people 19 would they hire, how many people would the 20 schools hire, what salaries would they pay 21 these school resource officers, and you know, 22 what their outside employment might be. We 23 didn't proceed to assume how many school 24 resource officers there were, but we did price 25 it such that if there were a hundred school 0010 1 Proceedings 2 resource officers hired, the cost would be 3 approximately 180 to 240,000 dollars a year in 4 contributions. 5 MR. ADLER: Questions for Sherry? On б the fiscal notes? Great. Thank you, Sherry. 7 MS. CHAN: You are welcome. 8 MS. REILLY: Next is the executive 9 director's report. And the first item there 10 is the matter of the next meeting, and it's been suggested that the next regular board 11 12 meeting of the Teachers' Retirement System be 13 held on the third Thursday of the month, 14 October 18, 2018. Mark your calendars. 15 Next is the authorization to the 16 Comptroller of the City of New York to invest 17 certain funds. 18 MR. KAZANSKY: Please waive the reading. 19 MR. ADLER: Can we have a motion to 20 approve the resolution or regularly quarterly 21 resolution to approve the authorization to the 22 Comptroller to invest certain funds? 23 MR. BROWN: So moved. 24 Thank you, Mr. Brown. MR. ADLER: Is 25 there a second? 0011 1 Proceedings 2 MS. PENNY: Second. 3 MR. ADLER: Thank you, Ms. Penny. Any 4 discussion? All in favor of the motion, 5 please say aye. Aye. б MR. KAZANSKY. Aye. 7 MR. BROWN: Aye. 8 MS. OATES: Aye. 9 MS. PENNY: Aye.

10 MS. VICKERS: Aye. 11 MR. ADLER: All opposed, please say nay. 12 Any abstentions? Motion carries. 13 MS. REILLY: The next item is the 14 authorization to the Comptroller of the City 15 of New York to invest certain tax-deferred 16 annuity funds. 17 MR. KAZANSKY: Again, please waive the 18 reading. 19 MR. ADLER: Okay. Again, we will 20 entertain a motion to approve the 21 authorization to the Comptroller to invest 22 certain tax-deferred annuity funds. Is there 23 a motion? 24 MR. BROWN: So moved. 25 MR. ADLER: Thank you, Mr. Brown. Is 0012 1 Proceedings 2 there a second? Second. 3 MS. PENNY: 4 MR. ADLER: Thank you, Ms. Penny. Any 5 discussion? All in favor of the motion to б approve authorization to the Comptroller to 7 invest certain tax-deferred annuity funds, 8 please say aye. Aye. 9 MR. KAZANSKY. Aye. 10 MR. BROWN: Aye. 11 MS. OATES: Aye. 12 MS. PENNY: Aye. 13 MS. VICKERS: Aye. 14 MR. ADLER: Opposed, please say nay. 15 Any abstentions? Motion carries. MS. REILLY: Next is attendance at a 16 17 conference, and the following resolution is 18 presented for consideration and possible 19 adoption. "Resolved that the Trustees of the 20 Teachers' Retirement Board hereby approve the 21 attendance and participation of the Executive 22 Director and/or her designees and any interested trustee at the National Council on 23 Teacher Retirement 96th Annual Conference from 24 25 October 7th to October 9, 2018. 0013 1 Proceedings 2 MR. ADLER: Thank you. Is there a 3 motion to approve attendance at the NCTR 4 Conference? 5 MS. VICKERS: So moved. б MR. ADLER: Thank you, Ms. Vickers. 7 MR. KAZANSKY: I will second Ms. 8 Vickers' motion. 9 MR. ADLER: Thank you, Mr. Kazansky. By 10 the way, did we note for the record that Ms. 11 Vickers is in attendance? I am not sure we

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     did but please note that for the record.
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     Thank you.
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           Okay. So we have a motion made and
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     seconded. Any discussion? All in favor of
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     the motion to approve the resolution to
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     approve attendance at the NCTR Conference,
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     please say aye. Aye.
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           MR. KAZANSKY. Aye.
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           MR. BROWN: Aye.
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           MS. OATES:
                      Aye.
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           MS. PENNY: Aye.
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           MS. VICKERS: Aye.
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           MR. ADLER: All opposed, please say nay.
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     Any abstentions? Motion carries.
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           MS. REILLY: Next is attendance at a
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     conference, and the following resolution is
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    presented for consideration and possible
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     adoption: "Resolved that the Trustees of the
    Teachers' Retirement Board hereby approve the
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     attendance and participation of the Executive
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    Director and/or her designees and any
     interested Trustee at the 22nd annual NASP
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     New York symposium from November 8th to
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    November 9, 2018.
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           MR. ADLER: Is there a motion to approve
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     this resolution?
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           MS. VICKERS: So moved.
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           MR. ADLER: Thank you, Ms. Vickers.
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     there a second?
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           MR. KAZANSKY: Second.
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           MR. ADLER: Thank you, Mr. Kazansky.
     Any discussion? All in favor of the motion to
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     approve the resolution for attendance at the
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    NASP New York symposium, please say aye. Aye.
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           MR. KAZANSKY. Aye.
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           MR. BROWN:
                      Aye.
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           MS. OATES:
                      Aye.
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           MS. PENNY: Aye.
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           MS. VICKERS: Aye.
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           MR. ADLER: All opposed, please say nay.
     Any abstentions? Motion carries. Does that
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     conclude our executive director's report?
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           MS. REILLY: It does.
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           MR. ADLER: Thank you.
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           MS. REILLY: Next on the agenda was the
     calendar, and first item on the calendar is
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     the matter of the approval of all minutes for
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     the month of June 7th investment meeting
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     minutes, June 20th CIM minutes, and June 21,
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     2018 board minutes.
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14 MR. ADLER: So I am going to 15 respectfully request that we lay over the 16 approval of the minutes because I don't think 17 the board received them. At least, I don't 18 think that I received them except for the June 19 7th investment meeting which I requested. Ι 20 think perhaps in the summer for the summer 21 recess there was -- they weren't sent out. At 22 least I didn't see them. I don't know if 23 anybody else here saw them. 24 MR. McTIGUE: We sent them out last 25 Thursday, but I could certainly resend them. 0016 1 Proceedings 2 MR. ADLER: I didn't see them last 3 Thursday but it could be an oversight on my 4 part, so I have not had a chance to review 5 them so unless there are objections, I would б request we lay it over till next month. 7 MR. McTIGUE: And we will resend those. 8 MR. ADLER: Okay then. So then 9 continuing the calendar. 10 MS. REILLY: Okay. So you all received 11 an electronic copy of the calendar. 12 MR. ADLER: Yes. 13 MR. KAZANSKY: Please waive the reading 14 of the calendar. 15 MS. REILLY: Thank you. 16 MR. ADLER: Okay. So we have the items 17 of the calendar in front of us. Can we have a 18 motion to approve the calendar items for 19 September 20, 2018? 20 MR. BROWN: So moved. 21 MR. ADLER: Thank you, Mr. Brown. Is 22 there a second? 23 MS. PENNY: Second. 24 MR. ADLER: Thank you, Ms. Penny. 25 Discussion of the calendar? All in favor of 0017 1 Proceedings 2 the motion to approve the calendar for 3 September 20, 2018, please say aye. Aye. 4 MR. KAZANSKY. Aye. 5 MR. BROWN: Aye. б MS. OATES: Aye. 7 MS. PENNY: Aye. 8 MS. VICKERS: Aye. 9 MR. ADLER: All opposed, please say nay. 10 Any abstentions? Motion carries. 11 MS. REILLY: Okay. Next is other 12 business and just wanted to inform you that 13 Dr. Walter Pizzi was reappointed for a third 14 year term beginning August 1, 2018. And we 15 also have a presentation on our departmental

16 help desk from Anthony Mezzacappa. 17 MR. MEZZACAPPA: Good afternoon. I am 18 Tony Mezzacappa, director of benefits 19 administration. I am here to speak about the 20 departmental help desk at TRS. As you know, 21 TRS is undergoing a complex modernization 22 effort. It's not just an IT project but a 23 business transformation project. 24 Modernization is changing our day-to-day 25 processes, flow of activity, as well as 0018 1 Proceedings 2 organizational structure to accommodate these 3 changes. We have a strong need to retain and 4 create business and technical experts in the 5 business units so the business can self-serve and raise the level of service to our members. б 7 It is our vision to be more member-centric. 8 In all of our efforts at TRS, we have one main question that we always ask: How is this 9 10 going to impact our members? 11 When a member takes the time out of 12 their day to present a request to our walk-in 13 center, it's TRS's vision that they leave here 14 with an accurate and timely solution that 15 resolves their issue for that day or as soon 16 as possible depending on the complexity of 17 their request. 18 To help us accomplish our modernization 19 efforts and vision, we established 20 developmental help desks. This diagram demonstrates where the departmental help desks 21 22 fit in the process. Within each of our 23 business units: Accounting, benefits 24 administration, and member services, there is 25 a departmental help desk. Each desk is 0019 1 Proceedings 2 staffed with business users that have 3 analytical capabilities and can function 4 collaboratively. Although the help desks are 5 embedded in each business unit, they work as a б team and communicate daily to solve 7 interdepartmental issues together. In the old 8 model, when business users encountered an 9 issue, multiple requests would be made to our 10 IT service desk for resolution, often causing 11 confusion. At times there was no real issue. 12 The new model will help to eliminate this 13 problem and help the business to be more 14 self-sufficient. 15 For the modernization effort and beyond, 16 the departmental help desk will give the 17 business units the opportunity to create

18 business system experts. They work with 19 development teams to understand functionality 20 and interdependency. They become 21 knowledgeable in ASPEN functionality as well 22 as functionality in how it works behind the 23 scenes. By the way, ASPEN is the name of our 24 new pension system, which stands for Agile 25 Straight-through Processing Pension System. 0020

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2 Help desk also understands the business 3 process from end to end from a people process 4 and technology perspective. The help desk 5 will provide dedicated and immediately focus б to support business users. For both pre and 7 post modernization, they are going to work 8 alongside managers and subject matter experts 9 to develop and deliver procedures, training, 10 testing, and problem solving. They also triage, troubleshoot, and report identified 11 12 issues from a system perspective as well as 13 from a business perspective. Also to identify 14 the validity of the issue. Is it a true issue 15 or is it a training issue? And act as liaison 16 for the business with IT service desk and the 17 vendor for issue resolution and 18 prioritization, new releases, and they 19 participate in the vendor user group. Some of 20 the benefits that we see from this are 21 business self-reliance and self-serve. It 22 gives the business the ability to analyze the 23 issues, uncover the root cause when possible, 24 and the impact. Only true issues will be 25 reported to the IT service desk, allowing for 0021

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2 quicker resolution to issues. It also 3 addresses business training needs that are 4 going to come up as we go through this process. It aligns TRS's vision to 5 self-serve, to be more self sufficient as well б 7 as allow IT to develop on development and 8 maintenance of technology and not be bothered 9 with nonissues that can take up their time and 10 a big one for us is the knowledge sharing. The help desk will share technical and process 11 12 knowledge with business users to create 13 developmental expertise so they can problem 14 solve.

15 The current focus of the operational of 16 the help desk is to support the operational 17 ready team for Phase 4 modernization, which is 18 for death benefits and online payments which 19 is targeted for the early 2019 implementation.

20 The operational ready team is ready to ensure 21 that we are ready to go live, that the staff 22 training procedures are in place, procedures 23 are good to go, and there are no show 24 stoppers. The help desk is focused on currently 25 0022 1 Proceedings 2 reviewing new processes with the business, 3 providing training to staff and participating 4 in testing to analyze, evaluate, and 5 prioritize issues that are identified. б In closing, the more knowledge that we 7 can impart to our staff in the business unit, 8 the better we can serve our member with 9 accurate and timely solutions to their 10 requests. Thank you. 11 MR. ADLER: Any questions? For Anthony? 12 Great. Thank you. So we are up to --13 MS. REILLY: Questions and comments from 14 the public. 15 MR. ADLER: Any questions and comments 16 from the public? No? The public is silent. 17 MS. LaPADULA: Is it possible to get an 18 e-mail copy of the presentation? 19 MS. SANCHEZ: I have it so I can send it 20 to everyone. 21 MR. ADLER: So I think we adjourn the 22 meeting, so I think that concludes our public 23 business for today. Is there a motion to 24 adjourn? 25 MR. BROWN: So moved. 0023 1 Proceedings 2 MR. ADLER: Thank you, Mr. Brown. Т 3 appreciate you stepping up on that one. 4 MR. BROWN: Any time. 5 MR. ADLER: Is there a second? б MS. VICKERS: Second. 7 MR. ADLER: Thank you, Ms. Vickers. 8 Any discussion? All in favor of the 9 motion to adjourn, please say aye. Aye. 10 MR. KAZANSKY. Aye. 11 MR. BROWN: Aye. 12 MS. OATES: Aye. 13 MS. PENNY: Aye. 14 MS. VICKERS: Aye. 15 MR. ADLER: All opposed, please say nay. 16 Any abstentions? The motion passes. The 17 meeting is adjourned. 18 (Time noted: 4:01 p.m.) 19 20 21

Proceedings CERTIFICATE STATE OF NEW YORK) : ss. COUNTY OF QUEENS) б I, YAFFA KAPLAN, a Notary Public within and for the State of New York, do hereby certify that the foregoing record of proceedings is a full and correct transcript of the stenographic notes taken by me therein. IN WITNESS WHEREOF, I have hereunto set my hand this 30th day of September, 2018. YAFFA KAPLAN