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       NEW YORK CITY TEACHERS' RETIREMENT SYSTEM
                   INVESTMENT MEETING
             Held on Thursday, December 2, 2021
 5
                           Via
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                   Zoom Videoconference
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   ATTENDEES:
    DEBRA PENNY, Chairperson, Trustee, TRS
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   THOMAS BROWN, Trustee, TRS
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   DAVID KAZANSKY, Trustee, TRS
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    JOHN ADLER, Trustee, Mayor's Office
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   SUSANNAH VICKERS, Trustee, Comptroller's Office
    JOHN DORSA, Trustee, Comptroller's Office
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   RUSSELL BUCKLEY, Trustee
   NATALIE GREEN GILES, Trustee
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    CYNTHIA COLLINS, Trustee, Mayor's Office
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   PATRICIA REILLY, TRS, Executive Director
19 THADDEUS MCTIGUE, TRS, Deputy Executive Director
20 VALERIE BUDZIK, TRS
21 LIZ SANCHEZ, TRS
22
   SUSAN STANG, TRS
23
   STEVE YUAN, Mayor's Office
24
   DEVON ALEXANDER, Rocaton
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   MICHAEL FULVIO, Rocaton
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1 ATTENDEES (Cont'd)
   ROBIN PELLISH, Rocaton
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   SUMANTA RAY, Mayor's Office
   DAVID LEVINE, Groom Law Group
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   RONALD SWINGLE
   SANFORD RICH
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    WESLEY PULISIC, Comptroller's Office
   ISAAC GLOVINSKY
   W. FRAZER
10 ARISTEA AFTOUSMIS, TRS
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   KOMIL ATAEV
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    TOM O'HARA
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             PROCEEDINGS
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                     (Time noted: 10:08 a.m.)
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           MS. REILLY: Good morning. Welcome
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     to the December 2, 2021 investment
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     meeting of the Teachers' Retirement
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     Board. I'm going to start by calling the
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     roll.
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           John Adler?
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           MR. ADLER: I'm here.
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           MS. REILLY: Thomas Brown?
           MR. BROWN: I'm here. Good morning.
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           MS. REILLY: Natalie Green Giles?
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           MS. GREEN GILES: Present.
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           MS. REILLY: David Kazansky?
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           MR. KAZANSKY: Present.
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           MS. REILLY: Russell Buckley?
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           MR. BUCKLEY: Present.
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           MS. REILLY: Debra Penny?
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           CHAIRPERSON PENNY: Good morning.
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     I'm here.
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           MS. REILLY: Susannah Vickers?
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           MS. VICKERS: Good morning. I'm
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    here.
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           MS. REILLY: We have a quorum.
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           I'll turn it over to the Chair.
           CHAIRPERSON PENNY: Good morning.
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     So the first thing on our agenda is the
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     Passport funds quarterly report.
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           Take it away, Mike Fulvio.
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           MR. FULVIO: Good morning.
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     you. I'm going to pass it to my
 8
     colleague Devon Alexander.
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           Actually, I apologize. I'll start
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     off with the quarterly and then I'll pass
     it to Devon for the presentation on
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     October performance and the November
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    benchmark report.
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           We did circulate the quarterly a
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     couple days ahead of time. So I'm not
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     sure if folks had adequate time to flip
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     through it completely. But I might just
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     cover a few quick highlights in the
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     interest of time.
           So slide 24, if folks have that
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     document available, has the summary of
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    performance through September 30 for the
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     Passport funds. We did cover this in the
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     last meeting, but I will note that at a
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     high level it was a quarter that we did
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    see a little more volatility, especially
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     during the month of September. And so
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     for THE quarter we saw the diversified
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equity fund down about 77 basis points, roughly in line with the hybrid benchmark and slightly behind the global market composite.

We saw some relative outperformance from the actively managed equity strategies and some relative underperformance from the defensive strategy composite.

And then, in other parts of the Passport funds program you can see the balanced fund was down about half of a percent. The international equity fund down 2.4 percent; and the sustainable equity fund with a positive return of about 5 percent, with some notable value add relative to its benchmark for the first three months of the fiscal year.

And then, lastly, the U.S. equity index fund had a positive return of about 33 basis points. And the international equity index returned negative 2.7

1 percent.

The only other thing we were going to touch upon in the quarterly, given some of the prior discussions, is the active manager scorecard that we've discussed in these quarterly meetings, oriented towards discussing quarterly performance.

That begins on slide 38, and for your benefit there you can see the color coding or conditional formatting used to flag any relative results that are above or below or, more significantly, I should say, above or below the tolerance bands or expectations that we have for managers.

On slide 38 there's only one manager tripping a negative relative performance flag. This is a manager that I think you will recall is in the process or having just been wrapped up, a transition within the Passport funds, which we could speak a little more about during executive session.

25 And then on slide 39 there is one 0007

other manager flagged here for relative underperformance, and that's Templeton. That's a manager that Rocaton and TRS staff actually just met with in recent weeks. And I think just coming out of

that discussion, there's no concerns with 6 7 respect to the relative results, and we 8 were comfortable with the discussion that 9 we had. 10 So no notable follow-ups as a result 11 of the scorecard from this quarter, but 12 wanted to note it nonetheless. 13 CHAIRPERSON PENNY: Thank you. 14 MR. FULVIO: Not hearing any 15 questions, I will pass it over to Devon 16 to provide the update on performance for 17 the funds through October. 18 MR. ALEXANDER: Thanks, Mike. 19 I apologize as well, because this is 20 the first of hopefully better 21 presentations to come from my end. 22 here goes, a bit rusty here. 23 So for the month of October the 24 Russell diversified equity fund had an 25 absolute return of 5 percent. That was 8000 1 partially due to strong performance from 2 the sustainable equity fund which 3 generated about 9.26 percent for the month of October, and also a strong 5 performance from the U.S. equity index fund as well. 6 7 That was slightly mitigated by the -- oops, I screwed that one up; sorry. 8 9 The diversified equity fund had an 10 absolute return of 5.3 percent, which was partly due to relatively strong 11 performance from active managed U.S. 12 13 equity composite, and also from the 14 passive equity composite as well. 15 That was slightly mitigated by the 16 defensive strategy composite, which had 17 2.7 percent return, which sort of has 18 been fairly consistently underperforming 19 its benchmark. 20 But the news got slightly better for 21 the other funds. The balanced fund 22 outperformed its benchmark, and so did 23 the international equity fund, 24 sustainable equity fund and international 25 equity fund. 0009 1 The U.S. equity index fund was 2 fairly up to its index, its benchmark, 3 but slight underperformance there. 4 MR. FULVIO: I will add, just for 5 the record, in a year to date we've seen 6 some pretty strong relative performance from the actively managed equity

strategies across U.S. and non U.S. And 9 so, that is showing up in the performance 10 across the funds, which is good to see. 11 And where we have seen some relative 12 underperformance has been within the 13 defensive strategies composite. And 14 again, that's another part of the program 15 that's undergoing a transition, which 16 Susan will provide an update on in 17 executive session. 18 MR. ALEXANDER: Thanks, Mike. 19 Any questions regarding October 20 performances? 21 (No response.) 22 CHAIRPERSON PENNY: We have 23 November? 24 MR. ALEXANDER: Move on to November 25 preliminary monthly benchmark reports. 0010 1 Again, the diversified equity benchmark, 2 we saw negative performance for the month 3 of November here, 2.13 percent. And 4 again, negative performance in the 5 benchmark fund as well, which is about .85 percent. International composite and 7 sustainable equity fund as well also 8 negative. On a relative basis, the diversified 10 equity fund was slightly better 11 performing. The global market composite 12 benchmark was slightly better performing 13 than the actual diversified equity fund 14 hybrid benchmark, which resulted in 2.33 15 percent for the month of November. 16 We also can highlight here that the 17 results for the international composite 18 benchmark was slightly aligned with the 19 MSCI EAFE for the month of November. 20 MR. FULVIO: I will add a little bit 21 of brief commentary. Obviously it was a 22 challenging month again like September 23 was for absolute returns across equity 24 markets. Notably increased concerns 25 around inflation and the Fed beginning 0011 1 its process to change course in terms of 2 the monetary stimulus and beginning to 3 taper that, as well as other potential discussion around inflation becoming less 5 transitory than how many in the marketplace were expecting it to be. And then the other thing, as 8 everyone is aware, coming into the last couple of days of the month, earlier this

week and late last week, the discussions 11 around the new variant and potential 12 concerns around whether vaccines would be 13 effective or as effective compared to the 14 other variants that we've seen. 15 So there's certainly more concern, 16 more jitters in the marketplace, and 17 we're seeing that volatility has 18 continued. And we'll keep an eye on it, 19 but that's obviously something we expect 20 to show up in the returns for the funds 21 this month based on what we're seeing in 22 the market. 23 We can pause there and see if anyone 24 has any questions. 25 MR. ADLER: I have a question. 0012 other sort of fairly new development here 1 2 is the notion that we may be facing persistent inflation for the first time in decades, really. And I just wonder if 5 you guys could comment on that, in 6 particular with regard to the effect it 7 may have on our fixed income portfolios. 8 MS. PELLISH: Mike, do you want me 9 to jump in? 10 MR. FULVIO: I'm happy to start. We continue to be, I think, more of 11 12 the mind that the inflation prints that 13 we're seeing are still somewhat 14 transitory. That's not to say that these 15 pressures are going to abate anytime 16 quickly. I think we do see that some of 17 the supply chain issues, we were seeing 18 labor shortages, especially if we 19 continue to see more variants. 20 I think we should be expecting that 21 this could persist longer than a matter 22 of months or quarters. So that certainly lends itself to increased uncertainty 23 24

around inflation.

I think where we are today is, what

1 we're seeing is while some of the big 2 price gains have begun to moderate, you 3 know, there's still a likelihood that we're going to see it persist for a 5 little bit longer, and that we'll see inflation more broadly come down over 7 time to a more moderate or more normalized level of what we have seen. But it's going to take some time, 10 it's not necessarily going to shift 11 overnight, and there will continue to be

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pressure as a result of what we're seeing with new variants and concerns around that.

Robin, did you want to add to that?

MS. PELLISH: The only thing I would add is to be responsive to John's comment about what might this mean for a fixed income portfolio.

Certainly we have been expecting this with many other folks. We've been expecting rates to rise, when I say this. We've been expecting rates to rise for quite some time, and rates have been lower for longer than anyone expected.

I would say, over the intermediate to long term horizon, the best thing that can happen to a fixed income portfolio is for nominal and real rates to rise so that we can start generating reasonable levels of return.

Right now we forecast levels of return for the fixed income portfolios based on current yields. The ten years, the most recent number I heard was 1.4 percent. The portfolio simply can't generate the kinds of returns we need them to generate to get to a 7 percent total return without rates rising.

So we continue to expect rates to rise modestly. We continue to expect inflation to return to somewhere between the 2 and 3 percent level starting late 2022. But I do think, given the statements by the Fed, we should expect rates to start trending upwards. Over time that will be a positive thing for our portfolio.

MR. ADLER: Thank you. CHAIRPERSON PENNY: Anything else?

So the last thing on our agenda is a brief discussion of IPS. So John had forwarded some possible changes in the IPS, and we certainly appreciate them. They're some good ideas.

My thinking, and we can certainly talk about it is, we did a lot for the IPS this year. And while those suggestions are great, maybe we wait and we ask TRS and Rocaton to go through it.

When are we scheduled, Robin, to look at the IPS again? Can we schedule something and look at these changes at

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that time, maybe March or April?
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           MS. BUDZIK: The IPS contemplates a
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     review at least once every three years.
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     We last updated it in 2019; which isn't
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     to say we have to wait three years.
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           CHAIRPERSON PENNY: Maybe we do
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     that. Especially there's going to be a
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     change in leadership. Maybe with that,
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     as well as us, we don't change the IPS
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     right now. Certainly we can discuss it,
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     but rather keep those notes, go through
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     them, and see if we can do it in March or
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    April if that works.
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           Does that sound like a plan?
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           Robin, do you agree with that?
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           MS. PELLISH: Yes. Absolutely doing
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     a holistic review, incorporating John's
     suggestion is, if the Board directs us to
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     do that we're happy to do that. 2022
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     seems to be an appropriate time at which
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     to do that. We've had sufficient time
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     passing since the last time we looked at
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           Hopefully, given the amount of time
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     and change that was involved in the most
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    recent IPS review, this review will be
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    more expeditious. And so, if the Board
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     would like us to review that in Q1 2022,
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     we're happy to do that.
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           CHAIRPERSON PENNY:
                               That's good for
19
    me.
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           Any discussion to talk about it?
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           (No response.)
22
           Yes. We would ask you to do that.
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     That would be great.
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           And thank you, John, for those
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     points.
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           Do we have anything else in public
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     agenda?
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           (No response.)
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           Hearing none, do I have a motion to
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     go into executive session?
           MR. BROWN: So moved.
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           CHAIRPERSON PENNY: Do I have a
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     second?
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           MS. VICKERS: Second.
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           CHAIRPERSON PENNY: Thank you.
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           Any discussion?
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           (No response.)
           All those in favor please say "Aye."
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           (A chorus of "Ayes.")
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           Any opposed?
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           (No response.)
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           (Whereupon, the Board entered
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     executive session.)
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           (Whereupon, the Board returned to
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     public session.)
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           CHAIRPERSON PENNY: We're back to
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     public session.
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           Ms. Stang, would you like to report
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     out?
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           MS. STANG: Certainly.
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           In executive session we discussed a
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     secondary benchmark within one asset
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     class.
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           We received an update on a contract
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    matter.
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           And we received updates on portfolio
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     transactions that have occurred within
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     the Passport funds, those completed and
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     those that are ongoing.
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           CHAIRPERSON PENNY: Thank you.
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           Is there anything else for public
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     session?
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           (No response.)
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           Hearing none, do I have a motion to
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     adjourn?
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           MR. BROWN: So moved.
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           CHAIRPERSON PENNY: Do I hear a
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     second?
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           MR. BUCKLEY: Second.
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           CHAIRPERSON PENNY: Discussion?
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           (No response.)
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           All those in favor of adjourning
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     please say "Aye."
24
           (A chorus of "Ayes.")
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           Any opposed?
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           (No response.)
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           We stand adjourned.
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           (Whereupon, at 10:45 a.m., the
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    matter was concluded.)
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 $\texttt{C} \;\; \texttt{E} \;\; \texttt{R} \;\; \texttt{T} \;\; \texttt{I} \;\; \texttt{F} \;\; \texttt{I} \;\; \texttt{C} \;\; \texttt{A} \;\; \texttt{T} \;\; \texttt{I} \;\; \texttt{O} \;\; \texttt{N}$ I, Jeffrey Shapiro, a Stenographic Reporter and Notary Public, within and for the State of New York, do hereby certify that ${\tt I}$ reported the proceedings in the within-entitled matter, on Thursday, December 2, 2021, and that this is an accurate transcription of these proceedings. IN WITNESS WHEREOF, I have hereunto set my hand this 4th day of December, 2021. JEFFREY SHAPIRO