COMMONWEALTH OF MASSACHUSETTS PENSION RESERVES INVESTMENT MANAGEMENT BOARD

Minutes of the Board Meeting Thursday, February 15, 2024 commencing at 9:30 a.m.

(CONDUCTED REMOTELY)

PRIM Board Offices 53 State Street Boston, Massachusetts

ATTENDEES

(Via Zoom)

Board Members

- · Treasurer Deborah B. Goldberg, Chair
- · Robert L. Brousseau
- · Catherine D'Amato
- · Ruth Ellen Fitch
- · Theresa F. McGoldrick, Esq.
- · Dennis J. Naughton
- · Carly Rose
- · Paul E. Shanley, Esq.

Other Attendees (partial list):

- · Kevin Conroy
- · Tim Doyle
- · Anthony Falzone
- · Maria Garrahan
- · Dave Griswold
- · David Gurtz
- Emily Kowtoniuk
- · Renee LeFevre
- Bill Li
- · Matt Liposky
- · Michael McElroy
- · Michael McGirr
- Veena Ramani
- · Tim Schlitzer
- · Joy Seth
- · Ethan Spencer
- · Michael Trotsky
- · Raluca Zelinschi

1	PROCEEDINGS
2	A meeting of the Pension Reserves
3	Investment Management Board (PRIM Board) was held
4	remotely on February 24, 2024. The meeting was
5	called to order and convened at 9:30 a.m.
6	Treasurer and Receiver-General Deborah Goldberg
7	chaired the meeting.
8	
9	TREASURER GOLDBERG: Good morning,
10	everybody, and welcome to the Thursday,
11	February 15, 2024 meeting of the MassPRIM Board.
12	This meeting will be held in accordance
13	with the provisions of Massachusetts Acts of 2022,
14	Chapter 22, which was most recently amended on
15	March 29, 2023, to include an extension of the
16	2020 Executive Order Suspending Certain Provisions
17	of the Open Meeting Law until March 31, 2025.
18	All members of the Board will
19	participate remotely via audio/videoconferencing.
20	And public access to the deliberations of the
21	Board will likewise be provided via telephone,
22	with all documents referenced at the meeting
23	available to be viewed on PRIM's website,
24	www.mapension.com.

1 All persons speaking at today's meeting 2 are asked first to identify themselves. 3 Also the Open Meeting Law requires 4 anyone wishing to record a meeting to first notify 5 the chair so the chair can inform other attendees. 6 Tony, please announce who is recording 7 the meetina. 8 MR. FALZONE: Yes. So we have Matthew 9 Toledo from CIO Magazine. We have Doug Appell 10 from P&I Magazine. Matthew Scheffler, a 11 schoolteacher, from Tribute Products. And 12 obviously I think you may have mentioned Virginia 13 Dodge, who is our minutes taker. 14 So thank you. 15 TREASURER GOLDBERG: Okay. Thank you. 16 I hadn't mentioned her yet, but you just 17 took care of that, so I will move on to the next 18 thing. 19 If anyone else does intend to record 20 today's meeting, please first notify Seth Gitell 21 by email at sgitell@mapension.com. 22 Additionally, the Attorney General's 23 guidance on holding remote meetings reads as 24 follows.

At the start of the meeting, the chair 1 must announce the name of the member or members 2 who are participating remotely. I will now 3 announce the names of all PRIM Board members who 4 are participating remotely in today's meeting. 5 Myself, Treasurer Deb Goldberg, chair. 6 Robert Brousseau, Catherine D'Amato, Ruth Ellen 7 Fitch. Theresa McGoldrick. Peter Monaco will come 8 in in 45 minutes. Dennis Naughton, Carly Rose and 9 Paul Shanley. 10 Okay. With that, the first tough vote 11 of the morning. 12 I seek a motion of approval of the 13 Boardminutes of November 30, 2023, attached as 14 Appendix A of the expanded agenda, and further to 15 authorize the executive director to take all 16 actions necessary to effectuate this vote. 17 18 Is there a motion? 19 MR. BROUSSEAU: So moved. 20 MR. SHANLEY: So moved. 21 TREASURER GOLDBERG: Is there a second? 22 MS. D'AMATO: Second. 23 MS. FITCH: Second. 24 TREASURER GOLDBERG: Did anyone find any

1	need for alterations or questions before we move
2	the vote?
3	Okay then. Bob?
4	MR. BROUSSEAU: Yes.
5	TREASURER GOLDBERG: Catherine?
6	MS. D'AMATO: Yes.
7	TREASURER GOLDBERG: Ruth Ellen?
8	MS. FITCH: Yes.
9	TREASURER GOLDBERG: Theresa?
10	MS. McGOLDRICK: Yes.
11	TREASURER GOLDBERG: Dennis?
12	MR. NAUGHTON: Yes.
13	TREASURER GOLDBERG: Carly?
14	MS. ROSE: Yes.
15	TREASURER GOLDBERG: Paul?
16	MR. SHANLEY: Yes.
17	TREASURER GOLDBERG: Myself, yes.
18	The motion carries.
19	Next item on the agenda, the executive
20	director report. Take it away, Michael.
21	MR. TROTSKY: Thank you very much,
22	Treasurer. And good morning, everybody.
23	Before we begin today's agenda, I do
24	think it's appropriate and very important to

memorialize at this meeting and to also enter into
PRIM's official record the passing of Ralph White,
who was a legendary PRIM Board member, serving for
24 years from 1984 to 2008.

Ralph was a founding Board member of 5 PRIM. Founding. And also served as a long-time 6 elected member of the State Retirement Board. He 7 is widely remembered for his unwavering and vocal 8 advocacy for the retirees of Massachusetts. Ralph 9 founded Mass. Retirees in 1968 at the age of 37. 10 He served as association president until his 11 retirement in 2013, and he is credited with having 12 had a direct impact on the creation of nearly 13 every public retirement law and policy over a span 14 of more than four decades. 15

As many of us know, Ralph was a colorful and vibrant man, who had a long and dedicated lifetime of public service. For example, Ralph saw significant combat as a U.S. Marine during the Korean War, receiving a Bronze Star and a Purple Heart.

Following his military service, he entered state service as a corrections officer and later was among the very first officers to staff

1 Walpole State Prison.

2 Ralph went on to become a state parole 3 officer. He was forced to retire after surviving 4 an on-the-job shooting in Boston's South End, an 5 attack that nearly took his life. 6 We pause this morning to remember Ralph 7 and his great contributions to our country, to our 8 Commonwealth and to PRIM and the more than 300,000 9 beneficiaries on whose behalf he worked tirelessly 10 for more than four decades. 11 Our condolences extend to his family and the countless individuals who were touched by his 12 13 lifetime of hard work and dedication. 14 Thank you, Ralph. Rest in peace. 15 Now on to better news. Today we'll 16 discuss the very strong calendar year 2023 17 returns, which we announced at the committee 18 meetings two weeks ago. You will hear from staff 19 and vote on the 2024 asset allocation 20 recommendations and several new investment 21 opportunities. 22 Additionally, our newly created 23 Stewardship and Sustainability Committee has also 24 had a very productive few months. And later in

our agenda, you will review and vote on the work 1 2 they have completed with staff to develop a 3 stewardship policy statement and to update our 4 proxy voting guidelines. 5 The work we do on stewardship starting 6 with the priorities we pick are based on risk, 7 opportunity and long-term value creation potential 8 for the PRIT Fund. 9 An exciting agenda ahead of us this 10 morning, but first, a few organizational updates, 11 including a very new employee, who joined PRIM 12 just after the committee meetings this time 13 around. So she joined last week. 14 And I hope she's on. I think she is. 15 Please join me in welcoming Raluca 16 Zelinschi. Raluca joined the real estate and 17 timberland team as an investment officer and will 18 report to John La Cara. She will help the team 19 cover the private and public real estate 20 portfolios, as well as the timberland investments. 21 Before joining PRIM, Raluca was an 22 associate director of portfolio management at 23 Intercontinental Real Estate, where she worked on 24 a \$3 billion private real estate portfolio

invested across various sectors and geographies. 1 2 And prior to that, she held positions at STAG Industrial, a publicly traded real estate 3 company, and AEW Capital Management, a firm we 4 know very well. They are one of our managers. 5 In addition to holding a CFA, she earned 6 a master's degree in international economics and 7 finance from the International Business School at 8 Brandeis and a bachelor's degree in economics and 9 political science from Whittier College. 10 So, Raluca, welcome to PRIM, and we're 11 delighted to have you. 12 Next, we're pleased to report that 13 Theresa McGoldrick and Dennis Naughton were both 14 reelected to their seats on the PRIM Board. 15 As you know, Theresa and Dennis have 16 been very thoughtful and engaged Board members, 17 very supportive of PRIM and, more personally, they 18 have both been very supportive of me. And I very 19 much appreciate that. 20 Thank you for your continued service on 21 the PRIM Board, and we look forward to working 22 with you for another term. 23 24 Theresa of course represents the State

1 Employees Retirement System, and her term is three 2 Dennis represents the State Teachers vears. 3 Retirement System, and his term is four years. 4 Congratulations to both of you. 5 Next, we're happy to announce four 6 promotions. It's the best part of the year. 7 First, Tim Doyle was promoted to 8 investment officer on the private equity team. He 9 joined the team as an investment analyst in February of 2022. Prior to that, he spent three 10 11 years at Cambridge Associates, first as an 12 investment associate and then he was promoted to 13 team leader and eventually to senior investment 14 associate on their pension practice. 15 Prior to joining PRIM, Tim was an 16 investment analyst at Mass General Brigham 17 Investment Office. 18 Tim has made significant contributions 19 to new manager underwritings and has taken over 20 leading manager coverage responsibilities at PRIM. 21 Tim's contribution to the team's market mapping 22 and proactive sourcing efforts have really been 23 outstanding. 24 Eliza Haynes was promoted to investment

officer on the PE team. I know she's not on the
call today because she's taking a CFA test, the
third part of it. So she's missing today and is
probably very, very busy right now.

5 Anyhow, she joined PRIM as an investment 6 analyst on the team in September of 2020. Eliza 7 graduated from Holy Cross and had interned in 8 their investment office. And upon graduation, she 9 was hired there as an investment fellow at the 10 investment office and worked there for more than 11 two years.

During her three-plus years here at PRIM, Eliza's contributions have been very impactful. She's contributed to and led the evaluation of many private equity funds and coinvestment opportunities. And last year, Eliza received the Treasurer's citation for outstanding performance.

19 Thank you, Treasurer, for acknowledging20 that.

Eliza is also leading the design and implementation of PRIM's GP-led secondary investment strategy and process.

24 Next, John La Cara, senior investment

officer on the real estate and timberland team,
 was promoted to senior investment officer role and
 now the new title of director of listed real
 estate and debt capital markets.

5 John joined the real estate and 6 timberland team as an investment officer in 2008 7 and was promoted to senior investment officer in 8 2016. His contributions are extensive. His 9 responsibilities include oversight of the private 10 real estate and private timberland investments 11 across various regions, property types and 12 investment vehicles.

13 Additionally, he manages the listed real 14 estate mandates, publicly listed -- those are the 15 REITs -- and the private real estate leverage 16 program, which, as you know, has issued more than 17 \$2 billion in innovative and low cost debt 18 facilities. Most of those debt facilities are 19 fixed rate, so that's been great. And he's been 20 doing that since 2013.

Prior to PRIM, John held positions at
Fidelity, New England Securities and at Citizens
Financial Group. He holds a master of science in
investment management from Boston University and

is a graduate of Lesley University in Cambridge. 1 2 And last, but not least, Joy Seth was 3 promoted to senior investment officer on the 4 portfolio completion strategies team. He joined 5 PRIM in March of 2020 as an investment officer, 6 and he pursued his undergraduate degree from the 7 University of Texas in Austin and a graduate 8 degree from the University of Washington. 9 He actually started his career as a 10 software engineer at Microsoft. He then worked 11 for the Employee Retirement System of Texas as a 12 senior investment analyst and was there for almost 13 seven years before joining PRIM. He's also a CFA 14 charter holder.

During the past four years, Joy has grown to be a really vital member of the team. He has become a key strategist, covering stable value hedge funds. He developed PRIM's industry-leading digital platform by automating the analytics and designing our internally designed back-testing tools.

And he has emerged as a thought leader
in technology topics, hosting seminars to
demystify complex concepts for PRIM colleagues.

He actively contributes to the FUTURE Initiative
 by searching and vetting emerging-diverse fund
 managers. And he also dedicates a significant
 effort to recruiting and mentoring interns from
 diverse backgrounds.

6 Please join me in congratulating Tim, 7 Eliza, John and Joy. Obviously, we're delighted 8 to celebrate your past contributions to PRIM and 9 equally eager to promote each of you into your new 10 roles. We're very confident that the best is 11 still to come. Your contributions and importance 12 will only grow here at PRIM. Congratulations.

And last, I do want to acknowledge that Colleen Nulty on the accounting team has passed the CFA Investment Foundations test. So congratulations on that accomplishment.

Now moving on to markets and PRIT Fund
performance. Despite many worldwide challenges,
the markets have remained very strong, and the
U.S. economy continues to grow. The PRIT Fund
returns were very strong during the December 2023
quarter -- those are the results we report today -and for the full calendar year 2023.

24 For the December quarter, the PRIT Fund

was up 6.2 percent gross; that's 6.1 percent net. 1 2 And for the calendar year 2023, the PRIT Fund was 3 up 11.4 percent gross or 11 percent net. This 4 return equates to a net investment gain of 5 \$10 billion for the year, and the PRIT Fund hit an important milestone, reaching \$101 billion. 6 7 You may all remember that at this time 8 last year, markets were just beginning to rebound 9 from a double-digit downturn in the financial 10 markets. The consensus view of economists and

market pundits last year at this time was that the
economy would dip into a mild recession in
calendar 2023.

14 Thankfully, that did not happen. 15 Instead, the economy continued to grow, inflation 16 fell, bond yields peaked, and the markets really 17 took off. The S&P 500, for example, returned more 18 than 26 percent in calendar 2023, astoundingly 19 strong returns that nobody would have predicted a 20 year ago at this time.

Last year's decisions on asset allocation at this meeting were instructive. Last year, as is typical, we made very small tweaks to our long-term strategic asset allocation. We

1 stayed the course.

2	Moreover, last year, we discussed the
3	fact that the silver lining of market downturns,
4	like we had in calendar 2022, is that they often
5	create good buying opportunities. And during
6	calendar 2022, the PRIM team deployed
7	approximately \$5.7 billion in new investment,
8	which was enabled by our carefully planned
9	commitment pacing models.
10	We were investing steadily in 2022 and
11	again last year, in 2023, while other peers were
12	pulling back. Obviously, with a strong market
13	return, that turned out to be a winning strategy.
14	And notably and giving credit to where
15	it is due, I'll remind you that at the Investment
16	Committee meeting last year, and also bucking
17	consensus at the time, Investment Committee member
18	Connie Everson, who I like to call our resident
19	economist and strategist, pointed out factors that
20	supported a positive environment for equities.
21	She was really ahead of the curve. For
22	example, she recognized early that inflation was
23	declining and interest rates were peaking. It is
24	often Connie's astute observations like that and

also her calm wisdom that gives us extra
 confidence to stay the course when it is not so
 intuitive, when the market pundits and economists
 are projecting difficult times ahead.

5 The strong unpredicted market rebound 6 last year confirms one of our most important 7 investment tenets. That is, it is very difficult 8 to predict the direction of the economy and the 9 financial markets. And remember, at PRIM, we 10 don't alter our allocation based on any 11 predictions. Instead, we construct a well-12 diversified long-term portfolio with components 13 that will perform well in a variety of market 14 conditions. And we also are laser focused on 15 controlling our costs.

16 In other words, we stay the course, and 17 we make only very small changes, all designed to 18 improve the probability of achieving our mandate 19 of funding the unfunded pension liability.

Again, who would have thought that last year's markets would have turned out so strong? The numbers are staggering. For example, I already mentioned the S&P last year was up 26.3 percent. Developed international markets

were also up strongly. They were up 15.6 percent. 1 2 Emerging markets were also up, up almost 3 10 percent last year, while bonds were up 4 5.5 percent. 5 Tony, the performance slides, please. 6 I'll go through them quickly. 7 Let me know when they're up. 8 MR. FALZONE: All set. 9 MR. TROTSKY: Thank you. 10 You can see from this slide that we did 11 cross a milestone, and the PRIT Fund ended at 12 101 billion, a net gain of \$10 billion for the 13 calendar year. Return of 11.4 percent gross, 14 11 percent net. 15 And we do pay benefits out of this pool of assets. Last year, net outflows to pay 16 17 benefits were approximately \$1 billion. 18 Next slide. 19 The last guarter of calendar 2023, here 20 the fourth guarter, ended -- December was very 21 strong with all asset classes up except for real 22 estate. Long-duration bonds led the way as 23 interest rates fell, followed by U.S. equities. 24 Both large and small cap were very strong on the

1 left-hand side of the chart. International 2 equities also very strong. 3 Alternatives often lag. A sharp upturn 4 in public equities, that happened last year and 5 obviously was the case in the December guarter. 6 Next slide. 7 For the year, equity markets led the way 8 for the whole year. U.S. large cap, again up 9 26.5 percent. That's our own experience. 10 Emerging managers up 18.2 percent. Developed 11 international up 17.7 percent. PCS, very strong. That's Portfolio 12 Completion Strategies. You can see up 13 8.7 percent, driven by good results from our hedge 14 15 fund portfolio. Core fixed income and long-duration 16 bonds weaker, but still positive. Up 6.2 percent 17 and 3.2 percent, respectively. 18 Private equity up 6.2 percent for the 19 It often lags public markets in sharp year. 20 upturns, just as it doesn't fall as much in sharp 21 downturns. It is also lagged by one quarter, as 22 you know. So these results actually don't reflect 23 performance through December. 24

1 Real estate was the weakest, down 2 5.8 percent for the year, which I'll describe in a 3 moment. 4 Next slide. 5 This chart shows the one-, three-, five-6 and ten-year returns of the PRIT Fund. Calendar 7 year 2023 was outstanding, again with a return of 8 11.4 percent gross, 11 percent net, a \$10 billion 9 gain. 10 The one-year relative underperformance, 11 which you can see on the left, continues to 12 narrow. This again is a hundred percent due to 13 the private equity benchmark mismatch, which we 14 have described previously. 15 Remember, we compare the one-year actual 16 private equity returns, which were 6.8 percent, to 17 a seven-year smooth public markets index plus 18 3 percent, seven-year index plus 3 percent. And 19 that number happened to be 14.6 percent. So 20 that's a difficult comparison, a one-year number 21 versus a seven-year number. Private equity again 22 is also lagged. 23 And then last, you can see that all 24 other time periods, very strong and above

1 benchmark.

2	Next slide. The one-year performance by
3	asset class, you can see on the left that global
4	equities rebounded strongly after the 2022
5	selloff. Value-added fixed income, timberland and
6	PCS, which is hedge funds primarily, also very
7	strong. Private equity continues its rebound, up
8	6.8 percent gross, which is 5.5 percent net.
9	But real estate continues to be
10	challenged, mainly due to the market adjustment to
11	higher interest rates and the softness in some
12	sectors, namely the central business district
13	office marketplace.
14	Note, however, that there is significant
15	outperformance versus the benchmark in real
16	estate. And that's attributable really to two
17	things.
18	Number 1, our portfolio has lower
19	leverage at mostly fixed rates, thanks to John La
20	Cara and the work he does there.
21	And number 2, we have higher industrial
22	weights and lower traditional office sector
23	weights. So those two things really led to the
24	significant outperformance in a down market.

Next slide and I'll end with the quilt 1 2 chart. 3 For the one-year period, again, you can 4 see that global equity led the way, followed by 5 value-added fixed income and timber. Real estate 6 on the bottom was the weakest for the one-year 7 period. 8 Longer term, you can see that private 9 equity leads the way for all time periods and is 10 two times really the return of the next best asset 11 class, which is real estate. 12 Global equity, as you can see on this 13 chart very plainly that they're more volatile. 14 The returns are more volatile over the time 15 periods, one, three, five and 10 years. It's all 16 over the chart. 17 You can take those down, Tony. 18 Turning now to markets and the economy. 19 Obviously the world is full of difficult 20 challenges, but the markets have been very strong, 21 mainly because of several factors. Bond yields 22 peaked, inflation is trending downward, and the 23 economy has avoided a recession. Employment 24 remains very strong. The Fed has stopped raising

rates, and corporate earnings have remained
 healthy.

3 Real GDP growth in the U.S. was 4 3.3 percent annualized in the fourth guarter, well 5 above consensus expectations of 2 percent. And 6 again, nobody would have predicted 3.3 percent at 7 this time last year. 8 Inflation, as measured by the Fed's 9 preferred core PCE price index, dropped to 10 2.9 percent, its lowest level since the beginning 11 of 2021. 12 However, CPI was reported this week at 13 3.1 percent, down from 3.4 percent in December, a 14 good result, but still slightly above 15 expectations. This week, that spooked the 16 markets, at least temporarily, on Tuesday because 17 it indicated to some that the Fed may wait a 18 little longer to cut rates in order to ensure that 19 inflation continues its downward trend. 20 January's flash PMI surveys of business 21 activity suggest that the GDP growth among 22 advanced economies ticked up, albeit it from very 23 low levels. The U.S., UK and Japan saw readings 24 above 50 in January, which implies expansion, but

1 the Eurozone is still below that 50 threshold.

We remain cautiously optimistic on the markets. There was a discussion at the Investment Committee suggesting that we have essentially been in a soft landing for the last 18 months and that the data is beginning to make the case for the end of that soft landing and perhaps the next stage of a bull market.

9 For example, mortgage activity is up.
10 December home sales were up 8.3 percent.

Manufacturing sales are up, while wage growth andconsumer confidence are improving.

Moreover, corporate earnings for the December quarter have been very strong and above expectations. With 362 of the S&P 500 companies reporting so far, sales growth has been 4.4 percent, and earnings growth has been 1.7 percent. Both readings were better than expected.

In the end, we all recognize that many significant risks could derail things. We don't alter our allocations based on any predictions. Instead, we construct a well-diversified long-term portfolio with components that will perform well

in a variety of market environments. 1 2 We just always hope for a vibrant 3 economy with strong markets, and we stay the 4 course. 5 And with that, I'm happy to take any 6 questions before moving on to the annual plans. 7 TREASURER GOLDBERG: Any questions at 8 all for Michael? 9 Not hearing any, Michael. 10 MR. TROTSKY: Yes. Well, we went over 11 this in quite a lot of detail during the committee 12 meetings two weeks ago. 13 TREASURER GOLDBERG: Am I allowed to say 14 this is only my fourth time hearing it? 15 MR. TROTSKY: Sure. 16 TREASURER GOLDBERG: So yes. 17 MR. TROTSKY: But this is our official 18 record. These get translated into our minutes. 19 TREASURER GOLDBERG: Absolutely. I 20 totally --21 MR. TROTSKY: Verbatim. 22 TREASURER GOLDBERG: No. I totally 23 understand that. But I think that's also why 24 there aren't any questions. I just want to make

that clear. It's not because it wasn't totally 1 2 informational and very important. 3 MR. TROTSKY: Thank you. 4 TREASURER GOLDBERG: So then in that 5 case, we will move on to the next item on the 6 agenda, which is performance. 7 MR. TROTSKY: Well, annual plans first. 8 TREASURER GOLDBERG: Yes. I always do 9 that, don't I? 10 MR. TROTSKY: That's okay. You've heard 11 it four times. I understand. 12 TREASURER GOLDBERG: Annual plans. 13 Okay. 14 MR. TROTSKY: I'll be quick. And again, 15 we reviewed this at each of the committee 16 meetinas. 17 Our governance documents do require that 18 I approve divisional business plans. And 19 accordingly, as we do each year, we share those 20 plans with you for your review and input. These 21 plans are very detailed, multiple pages. And I 22 invite you to review them and contact me directly 23 with any feedback you might have. 24 They're in Appendix D and also

summarized in the expanded agenda. And
 importantly really, these plans are essentially a
 continuation of the work we've been doing, but I
 will highlight just a few new initiatives this
 year.

6 And first, it's very exciting. I think 7 you will see a common goal in all areas of our 8 organization to explore applications of artificial 9 intelligence, AI. In particular, we're focused on 10 large language models to begin. And we're focused 11 on this because we know AI will impact our 12 industry, and we need to be ready for it. 13 We've been spending more time studying 14 the potential impacts of AI on our business 15 processes and the processes of our suppliers and 16 partners, many of whom are already using AI in 17 organizations.

Like everything we do at PRIM, our
approach will be thoughtful and deliberate, taking
care to safeguard our data in everything we do.
Many of you attended the first
educational session we hosted with Dr. Hod Lipson.
He's a professor of engineering and data science
at Columbia University. It was outstanding, and

1 we hope to have him back.

2 I hope you found it informative, those3 of you who attended.

4 I've actually --TREASURER GOLDBERG: you need to hear him more than once. 5 6 MR. TROTSKY: Yes, you're right. 7 TREASURER GOLDBERG: I heard him twice. 8 Because understanding the complexity of AI, it 9 requires to hear it over and over. The first 10 time, you kind of step back, and you get the big 11 picture. But it is so complicated, and he does 12 such a great job.

And we're going to be confronting a lot of that as we move forward. We already saw that some black -- what do they call it? -- the dark money groups did a robocall with Joe Biden's voice into New Hampshire a few weeks ago. And these are all the negative sides of AI.

But one of the things he talks about,
which is really critical, is the positive sides of
AI and how that will change invasive medical care.
It's really amazing.

23 So I think that we are embracing a brave 24 new world on all this, but it's something that we

need to understand very well from a security point 1 2 of view for ourselves and our operations and from 3 a potential investment point of view as medicine 4 and the like are developed over time using the 5 positive sides of AI. 6 It's fascinating. I just gave you a 7 quick summary. 8 MR. TROTSKY: That's great, Treasurer. 9 And I know that AI is invoking a lot of 10 fear out there, but I'm very optimistic --11 TREASURER GOLDBERG: Me. I was very fearful till I heard his first lecture. 12 13 MR. TROTSKY: Right. And I think 14 everyone's coming along. 15 I was trained as an engineer. I worked 16 for Intel for seven years. I'm naturally disposed 17 to like new technologies and be supportive of 18 them, knowing that all of them come with some 19 risks. 20 And I'm very excited that the first PRIM 21 AI project is already under way. Tony and his group are pursuing it. There's no one better than 22 23 Tony and his group to pursue our first project. 24 It leverages the power of generative AI

in large language models to create a unique 1 PRIMcentric knowledge source. The initial 2 implementation will combine a very limited, 3 nonfinancial PRIM dataset with the capabilities of 4 large language models, allowing PRIM to search, 5 aggregate and report on various historical data. 6 Essentially we hope to make our large 7 dataset of historical documents more searchable 8 and useful through AI. For example, we can ask 9 the model in simple language to search through 10 decades of Board materials when we're trying to 11 remember important history or the reasons behind 12 the decision-making a very long time ago. 13

And we hope to see the results of this 14 project by the end of this calendar year. This is 15 considered really a baby step in the possibilities 16 that AI may bring. Longer term, we see the 17 potential for AI to impact our investment 18 analysis, decision-making and monitoring, and 19 we'll keep you posted on the progress of these 20 projects and hopefully bring some learning 21 opportunities along the way for all of us. 22 23 Next, there are several new --

MR. BROUSSEAU: Michael, could I ask one

1 question, Madam Chair?

2 TREASURER GOLDBERG: Absolutely. 3 MR. BROUSSEAU: AI of course being 4 something we're all becoming indoctrinated with, 5 how is this going to impact staff in terms of 6 preparing for this, preparation in-house in terms 7 of impacting what we do here at PRIM, and staff of 8 course is going to be dealing with this on a daily 9 basis? 10 MR. TROTSKY: Yes. It's a good question, Bob. We're at the very beginning stages 11 12 of this. And the annual plans contemplate really 13 an educational environment where all employees in 14 all asset class groups and functional areas of 15 PRIM are really required this year to take an 16 inventory of how AI is impacting their areas, both 17 externally and potentially internally. 18 We're moving very slowly. I would say 19 that it's a key focus and generating a lot of 20 interest here at PRIM, as well as everywhere else 21 in the world, really. And we just want to be 22 ready for it, understand it, and really roll it 23 out very slowly and carefully. 24 So I'd characterize it mostly as early

1 innings and a learning phase, Bob.

MR. BROUSSEAU: Thank you. 2 3 MR. TROTSKY: You're welcome. 4 Next on the annual plans, there are 5 several new plans outlined around stewardship and 6 sustainability. And the committee is our newest 7 committee, and it impacts all asset classes. The 8 focus is on finding new areas of focus, which will 9 be additive, as I've mentioned before, and Veena 10 will talk about that. 11 And then across the investment 12 portfolios, we're always searching for additive 13 investments. In risk, the team is focused on 14 embedding with each asset class to identify key 15 risks and to provide enhanced risk analytics for 16 decision-making. 17 Additionally, the risk team will perform 18 a liquidity study this year across all PRIM 19 portfolios and also conduct an internal review of 20 sizing positions. This is a normal thing to 21 review periodically. We consider it best practice 22 to periodically look at liquidity and sizing of 23 positions for consistency.

24 In operations, we continue to carefully

1 build a deeper bench of talent by promoting our 2 high-performing stars and selectively hiring. We 3 will also develop and offer more training 4 opportunities for all our employees. 5 And we are adding this year management 6 training to our curriculum, given the growth of 7 our management ranks. Again, we're growing, we 8 have more managers, and management training is 9 essential. 10 So those are a few of the new items. Ι 11 hope you've had a chance to review the plans. 12 Please feel free to reach out to me with any comments or questions, or, Treasurer, I could take 13 14 a few questions here on the annual plans. 15 Whatever your pleasure. 16 TREASURER GOLDBERG: Why don't I just 17 ask, anybody have any questions right off the top 18 of your head right now? 19 So there you go, Michael. 20 MR. TROTSKY: A few have already reached 21 out to me, so I appreciate that. 22 TREASURER GOLDBERG: All right. Great. 23 So next we are going into our investment 24 report. Right?

1 MR. TROTSKY: That's correct. 2 TREASURER GOLDBERG: And the first item on the agenda for that is an asset allocation 3 4 recommendation, which is a voting item. 5 MR. TROTSKY: That's correct. And Maria 6 of course will be presenting it. 7 TREASURER GOLDBERG: So why don't we 8 have -- Maria, why don't you do your presentation, 9 and then I'll do the motions after you have 10 finished your presentation. Thank you, Maria. 11 Thank you, MS. GARRAHAN: Perfect. Madam Treasurer. 12 13 Good morning, everyone. I am Maria 14 Garrahan. PRIM's director of research. The 2024 asset allocation recommendation 15 16 represents only minor changes to our previous 17 recommendation. I am here today to bring forward 18 the proposed asset allocation 2024 recommendation 19 to the board, which was unanimously approved by 20 the Investment Committee on January 30, 2024. 21 Our 2024 recommendation includes a 22 1 percent increase in the value-added fixed income 23 range now to 6 to 12 percent and subsequently a 24 1 percent decrease in the global equities range to

1 31 to 41 percent.

2 Within value-added fixed income, the 3 focus will be on other credit opportunities, which 4 will be highlighted later in the deck, as well as 5 a decrease pro rata from developed market 6 eauities. Just a reminder, PRIM's asset allocation 7 consultant is NEPC. Phil Nelson shared their 8 9 remarks and capital market assumptions at the 10 Investment Committee meeting. I would like to thank Phil and Jen for all the work they have done 11 on asset allocation. 12 13 Now, Tony, would you mind sharing the 14 research team's presentation within Appendix E of 15 the board expanded agenda? 16 Thank you. 17 Please refer to slide 2. 18 I stand before you today after another 19 interesting year of financial market movement. 20 This past year, we experienced strong equity 21 performance, heightened stock-bond correlation and further interest rate hikes. Most notably, the 22 23 Fed Funds rate hasn't been at this level since the 24 mid-2000s.

1 The asset allocation recommendation and 2 research program blend both quantitative and 3 qualitative insights into the analysis, while 4 focusing on a dual objective. The core framework 5 uses a probabilistic-based approach to maximize 6 the likelihood of achieving our dual objective. 7 On slide 3, you can see the dual 8 objective. The left-hand side shows the 9 probability of achieving the actuarial rate of 10 return of 7 percent over the next 10 years, 11 whereas the right-hand side focuses on a measure of downside protection, which is defined as the 12 13 probability of achieving no cumulative drawdown 14 greater than 20 percent over the next three years. 15 Please turn to slide 4. 16 Thank you. 17 Over the last few years, I have 18 mentioned that we have been building out further 19 enhancements within the strategic asset allocation 20 research. I'm proud to share that our proactive 21 approach to creating a robust set of tools and 22 analysis has been especially useful, given this 23 higher interest rate environment. 24

Forward-looking analysis is very

1 dependent on forward expectations, which is why it 2 is only one component of the strategic asset 3 allocation program here at PRIM. 4 Likewise, the core framework driven by 5 historical performance has its own set of 6 limitations. A holistic and comprehensive program 7 is vital to effectively addressing the 8 complexities around strategic asset allocation. 9 As you can see here on slide 4, there 10 are multiple components within the asset 11 allocation research program. The core framework 12 uses the principal component analysis to identify 13 areas of diversification through PRIM's actual 14 historical experience. The middle section depicts 15 additional tools, including a survey of the 16 capital market assumption providers, an assessment 17 of return expectations, and historical case 18 studies through mean variance optimization. 19 Finally, feasibility discussions were 20 conducted with the asset classes and risk team 21 throughout the entire process. All these 22 components, in addition to collaboration with NEPC, helped create the proposed recommendation. 23 24 Turning to slide 5, this is a flow chart

of the core framework, which seeks to identify
 areas of pure diversification through a
 probabilistic-based lens.

4 On slide 6, the asset allocation 2024 5 recommendation is shown on the right column. Once 6 again, the proposed 1 percent increase in the 7 range of value-added fixed income will focus on 8 the other credit opportunities subasset class, 9 whereas the decrease in global equities target 10 range will come from developed markets. 11 Moving to slide 7, here is a deeper dive into the value-added fixed income asset class. 12 It 13 is comprised of high-yield bank loans, EM debt, 14 other credit opportunities, also known as OCO. 15 OCO includes the following strategies: consumer 16 credit, corporate credit, real estate debt. 17 The OCO subasset class seeks to identify

unique exposures to credit sectors. Therefore, it
tends to have higher credit sensitivity, lower
interest rate risk and less liquidity.

21 Please turn to slide 8.

Thank you, Tony.

23 Vivian Liang led this exploration to24 better understand potential implications of a

higher interest rate environment with respect to
 strategic asset allocation.

3 Tianyi Shi, also from the research team, 4 in collaboration with the real estate team, worked 5 on the Research Refresher: Public and Private 6 Real Estate. This work reaffirmed our prior 7 decision with regards to the role both public and 8 private real estate play within the PRIT Fund. 9 Additionally, the work identified U.S. 10 REITs have more appealing characteristics than 11 international ex-U.S. REITs, using the following 12 metrics: diversification benefits, risk-return 13 profile, correlation with the equity markets, and 14 the appraisal ratio test. 15 On slide 9, I would like to highlight 16 some key findings from our core framework and the 17 systematic test. 18 On the left depicts the most additive to 19 the PRIT Fund. And on the right depicts the most 20 subtractive to the PRIT Fund. 21 As you can see, other credit 22 opportunities and private equity are among the most additive to the PRIT Fund with respect to the 23 24 probability of achieving our dual objective.

1 Finally, I would like to wrap up this 2 presentation with once again the proposed 2024 3 recommendation, which is a 1 percent upward shift 4 in the target range of value-added fixed income, 6 5 to 12 percent, and a 1 percent downward shift in 6 the global equities target range to 31 to 7 41 percent. 8 Now I would like to open up the floor 9 for any questions and comments. 10 TREASURER GOLDBERG: Are there questions 11 for Maria? 12 You must have done a superlative job. 13 MS. GARRAHAN: Thank you. 14 TREASURER GOLDBERG: First of all, 15 number one, you do. Let's start with that, which 16 you know I'm completely all in, that I love the 17 way you explain things. 18 And secondly, I think that everyone on 19 the call was on at least one subcommittee meeting. 20 So this is the second review of this. 21 If there are no questions at all, I will 22 seek a motion of approval of the asset allocation 23 recommendation. 24 MR. SHANLEY: So moved.

1		TREASURER GOLDBERG: There's a second.
2		MS. FITCH: Second.
3		TREASURER GOLDBERG: Again, any
4	questions	?
5		Hearing none, we will move on to the
6	roll call	vote.
7		Bob?
8		MR. BROUSSEAU: I'm muted.
9		TREASURER GOLDBERG: You are not muted.
10	We can	
11		MR. BROUSSEAU: Vote is yes.
12		TREASURER GOLDBERG: Catherine?
13		MS. D'AMATO: Yes.
14		TREASURER GOLDBERG: Ruth Ellen?
15		MS. FITCH: Yes.
16		TREASURER GOLDBERG: Theresa?
17		MS. McGOLDRICK: Yes.
18		TREASURER GOLDBERG: Is Peter on yet?
19		Okay. Dennis?
20		MR. NAUGHTON: Yes.
21		TREASURER GOLDBERG: Carly?
22		MS. ROSE: Yes.
23		TREASURER GOLDBERG: Paul?
24		MR. SHANLEY: Yes.

1	TREASURER GOLDBERG: Myself, yes.
2	The motion carries.
3	Thank you, Maria.
4	MS. GARRAHAN: Thank you, Madam
5	Treasurer.
6	TREASURER GOLDBERG: Okay. The next
7	item on the agenda is public markets, a
8	performance summary, and then we will move on to a
9	new investment recommendation.
10	MR. McELROY: Great. I'll take that.
11	In fact, I'll take both of them, but to start with
12	the performance summaries, this is Michael
13	McElroy, the head of public markets.
14	I'll cover the environment in the
15	fourthquarter and the one-year period, try to not
16	be too redundant on things that Michael Trotsky
17	hadmentioned, and then also talk about our
18	results inthis environment.
19	So as noted, the fourth quarter, very
20	positive absolute returns across the public market
21	asset classes and really capping an overall strong
22	year and really a strong rebound relative to what
23	we saw last calendar year in 2022.
24	Global equity returns positive in all

major geographies. U.S. market was the highest, 1 primarily driven by U.S. large cap stocks. The 2 returns ranged from 8 percent in emerging markets 3 to about 12 percent in U.S. stocks for the 4 quarter. Value outperformed growth except outside 5 of the U.S. developed, where growth outperformed. 6 And even though it may not have seemed 7 like it, smaller stocks actually did slightly 8 better than larger stocks in the quarter across 9 the globe. 10 For the one-year period, equity returns 11 were also strong, ranging between 12 and 12 25 percent, again with the U.S. large cap 13 exhibiting the strongest returns. 14 U.S. market strength really in 2023 was 15 driven by a handful of stocks, which have been 16 given the name The Magnificent Seven, all really 17 in the technology sector. And within the S&P 500, 18 these seven stocks were up 76 percent last year, 19 and the other 493 stocks in the index were up 20 12 percent, which is certainly respectable, but 21 quite a gap between those top seven stocks. 22 In bonds, returns were also positive in 23 the fourth quarter. Core fixed income was up 24

almost 9 percent, and the more credit-sensitive 1 mandates were up about 4 percent. Rates did 2 decline across the yield curve in the guarter, and 3 we did see a narrowing of credit spreads as well. 4 Over the 12 months, core fixed income 5 was up about 5 percent, and value-added fixed 6 income, those more credit-sensitive areas, were up 7 about 11 percent. 8 The 10-year note finished the year about 9 where it started, though we did see some 10 meaningful upward and downward moves in interest 11 rates over that 12-month period to kind of finish 12 where we started. There was a lot of action. 13 So for the PRIT Fund, the results in the 14 fourth guarter were in line with our benchmark. 15 Global equities lagged slightly as the developed 16 markets equity managers struggled to meet our 17 benchmarks in such a strong up market, though our 18 emerging markets managers were able to outperform 19 in the guarter. 20 For the one-year period, the active 21 managers delivered strong relative performance. 22 Our emerging markets managers in aggregate 23 outperformed our benchmarks by over 6 percent, 24

1 really helped in part by their underweight

2 positions in Asia.

Overall, global equity performance for 3 the year was ahead of benchmark. And for our bond 4 investments in the fourth quarter, core fixed 5 income slightly underperformed, whereas our value-6 added fixed income delivered good outperformance 7 mostly from our emerging markets debt and credit-8 Results for the one-year period related managers. 9 were good, with our core and value-added managers 10 delivering relative outperformance. 11

In the discussions we have with our 12 managers, we focus on the impacts of the 13 macroeconomic environment on how the companies are 14 operating in that environment. And the companies 15 are performing well and appear to have adjusted to 16 many of the headwinds that they've faced, whether 17 it be higher labor costs, inflation, supply chain 18 disruptions. The consumer seems to be holding up 19 well, and the labor market certainly is strong but 20 not overheated. 21

Inflation does seem to be moderating across developed markets, which should lead to a more predictable operating market in the next few

quarters, barring any impacts from recent supply
 chain disruptions, which we continue to monitor.
 Stock market volatilities declined
 meaningfully over the past quarter and year, but
 we haven't seen that same commensurate decline in
 fixed income volatility.

Risk management is and always will be a
key focus for staff and for our managers. In
terms of potential geopolitical hotspots, our
aggregate emerging market equity portfolio
continues to remain underweight both north Asia -this would be China and Taiwan -- as well as in
the Middle East.

Across the aggregate equity and fixed income holdings within the PRIM portfolio, we have very muted relative exposures to regions, sectors, industries and countries, as well as interest rate and credit risks.

19 So in closing, the public markets 20 surprised very positively for the quarter and the 21 year, which benefited the PRIT Fund. It really 22 remains to be seen whether central bankers have 23 engineered a stable recovery, though signs are 24 pointing in that direction.

1 We continue to be cautious and mindful 2 of catalysts which could lead to market volatility 3 spikes. We believe the public markets portfolio 4 remains very well-diversified across geographies, 5 styles and sectors, and is really built to 6 withstand periods of market stress. 7 The aggregate risk of the overall equity 8 and fixed income portfolios remain low, and our 9 managers have delivered good relative value-added 10 in recent periods and certainly over longer 11 periods. 12 So with that, happy to take any 13 questions. 14 TREASURER GOLDBERG: Any questions for Mike? 15 16 Not hearing any, Mike. 17 MR. McELROY: Okay. Well, great. 18 So now we have a voting item. So I 19 should maybe do the presentation and then the 20 vote? 21 TREASURER GOLDBERG: I'll tell you what. I'm going to mix it up a little. 22 23 I seek a motion that the PRIM Board 24 approve the Investment Committee's recommendation

1 to approve an initial investment of up to 2 \$500 million to the Economic Index Associates IFED-LG Index through RhumbLine Advisers as 3 4 described in the expanded agenda, and further to authorize the executive director to take all 5 6 actions necessary to effectuate this vote. 7 Is there a motion? 8 MR. SHANLEY: So moved. 9 MR. NAUGHTON: So moved. 10 TREASURER GOLDBERG: Is there a second? 11 MS. FITCH: Second. 12 TREASURER GOLDBERG: Okay. Then go 13 ahead, Mike. 14 MR. McELROY: Thank you. Tony, could you share the Appendix G 15 16 slides? I'll use a few of these pages. Maybe if 17 we could go to page 2. Just to --18 Yes. Great. Thank you. 19 So just to reiterate the recommendation. So this is a recommendation for an allocation of 20 up to \$500 million in a separately managed 21 account, which will be managed by RhumbLine, an 22 existing manager of ours, to implement a custom 23 active U.S. equity index strategy, provided by 24

Economic Index Associates, also known as EIA. 1 We intend to source the funds for this 2 allocation from our existing nearly \$21 billion of 3 S&P 500 index assets. 4 RhumbLine, as mentioned, is an existing 5 They currently manage about 3 billion manager. 6 for PRIM, and they have about \$108 billion of 7 total assets under management. They're also a 8 diverse equity management firm. 9 Economic Index Associates, I'll talk 10 more about them in a couple of pages, but it's a 11 firm that really provides the intellectual 12 property. It's very research-driven. Thev 13 provide a very replicable, transparent, rules-14 based index strategy that combines a 15 macroeconomic, a monetary policy indicator with a 16 stock selection model. 17 We believe this will really complement 18 and enhance our existing S&P 500 exposure, and the 19 cost will be substantially below the fees that we 20 pay for our active U.S. equity managers. 21 22 So the next page. 23 Just a little bit about this 24 opportunity. So as I noted, we have about

\$21 billion in S&P 500 passive index funds. This 1 is certainly the most substantial subasset class 2 in the PRIT Fund in terms of size and the key 3 component of our domestic equity portfolio. 4 This portion of the PRIT Fund certainly 5 provides market returns at a very low cost, but 6 it really doesn't contribute any excess return 7 above and beyond the benchmark. 8 So in my nearly three years here, I've 9 really been thinking about are there ways that we 10 can improve the productivity of this pool of 11 assets, while preserving the low cost and the 12 efficiency that a passive strategy can deliver? 13 It's a challenging area. Median active 14 managers struggle to add a lot of value here. 15 We believe that we've found something 16 that will be very enhancing to our program, and 17 we think that there are some select strategies in 18 this space that stand out relative to most of the 19 universe, and so we think this is fairly 20 innovative in identifying a U.S. large cap 21 strategy that's high-performing, fits very well 22 with what we do, and has very attractive risk-23 24

1 adjusted returns.

2 Tony, next page.

3 So EIA, as I mentioned, they're an index 4 So you can think of them a little bit creator. 5 like S&P or MSCI, rather than a traditional asset 6 manager. So they believe that their structure and 7 rules for how they build an index is superior to 8 more traditional market cap-weighted index. 9 It has very strong academic foundations. 10 It was founded in 2018 by three academics, two 11 based out of Creighton University, one at Florida Atlantic University. 12 13 This group has written about the process 14 that they use for this index creation for really 15 many decades now. They published back in 2000 a 16 paper on the role of monetary policy in investment 17 management. They wrote a book in 2015 called 18 Invest with the Fed that describes in detail kind 19 of how this process works. 20 And it's been very extensively tested 21 with data from 1960 to 2013 when they wrote this 22 book. And so it's been tested through many

23 different market cycles, market regimes. This is24 not just kind of reacting to the last few years.

And I think that's very important in terms of our
 validating this, that it's really shown to be very
 effective across times of high inflation, market
 drawdowns, strong up markets.

5 And the basics of this strategy are that 6 it's very dynamic. It employs, at the starting 7 point, a top-down macroeconomic regime indicator 8 around monetary policy, identifying whether the 9 environment is expansionary, restrictive or 10 indeterminate. And then based on that indicator, 11 the stocks are selected.

It is a two-part process that adapts to 12 the monetary regime and then picks what they 13 believe are the best stocks to capture the effects 14 that are best performing within those different 15 regimes historically. So they really hope to 16 capture significant gains in normal markets, but 17 yet protect on the downside during very volatile 18 periods. 19

The strategy has been back-tested for many years, over two decades, and has a live track record since 2020 to help us validate live results against what they had done in simulation.

A couple more pages, Tony, page 5.

1 So a little bit about performance. So 2 we show a few different things on this page. 0n 3 the top, we have a scatter plot that shows the S&P 4 returns across the horizontal and the index, the 5 EIA index, returns on the vertical. So the orange 6 line across the middle of it would be equal and 7 just adding the same value as the index.

8 Above the line means outperformance, and 9 below the line means a time where the strategy 10 underperformed. And these are rolling three-year 11 periods. So this represents about 22 years of 12 monthly data.

13 So there are periods when it 14 underperforms, but they tend to be few, and you 15 can also see that the data tends to congregate in 16 a couple of areas, around that 10 to 15 percent 17 positive level. That's been the average kind of 18 three-year return of the S&P.

But there are these drawdown periods, and I really point you to the left side, which is very valuable. When the S&P is negative, there are very few dots that are below the line at all. And that's that downside protection that we're very excited about.

The bottom left gives a performance 1 table of some performance statistics. both for 2 the full period, from 1999 to 2023, in terms of 3 return, risk, efficiency, what we call the 4 information ratio, how much return do we get 5 relative to the risk we're taking? The number of 6 up and down months, as well as how the strategy 7 does in up markets and down markets. 8 And I think very encouraging is the 9 column to the right of that, the 2020 to present 10 results. While it's only three and a half years, 11 we see pretty consistent results in live, real 12 money investing. So we're encouraged by those 13 results certainly. 14 And just the last page I'll present, 15 page 6 is just the structure of how this is going 16 I think it should be pretty clear, but a to work. 17 picture is often better than all the words. 18 On the left side, Economic Index 19 Associates provides their view of the regime and 20 the particular stocks that they feel are going to 21 outperform. They hand those to RhumbLine. 22

23

24

RhumbLine as the investment manager will

1 then implement in the market on behalf of PRIM to 2 buy and sell stocks in order to conform to that 3 portfolio that they give us. 4 And then as the macroeconomic regime 5 changes, that portfolio will adjust, and RhumbLine 6 will adjust the portfolio accordingly. 7 The portfolio is about 75 stocks. It's 8 within the range of the S&P 500 from a market 9 capitalization perspective. No individual 10 position greater than 5 percent. Most of the 11 holdings are in the S&P 500, but not all of them. 12 And it doesn't trade every month. It 13 tends to trade only when the macroeconomic 14 environment changes. So when it trades and 15 changes, it will trade a lot, but it's not trading 16 that often day to day. 17 And we expect, as I mentioned, overall 18 cost to be far below our median manager cost 19 across global equities. 20 So I'll stop there and take any 21 questions from anyone on this recommendation. 22 TREASURER GOLDBERG: Are there any 23 further questions for Mike? 24 Hearing none, we're going to proceed

1 with the vote.

2 Bob?

3 Bob Brousseau, are you on here?

- 4 MR. FALZONE: Bob, you're muted, Bob.
- 5 TREASURER GOLDBERG: Catherine?
- 6 MS. D'AMATO: Yes.
- 7 TREASURER GOLDBERG: Ruth Ellen?
- 8 MS. FITCH: Yes.
- 9 TREASURER GOLDBERG: Theresa?
- 10 MS. McGOLDRICK: Yes.
- 11 TREASURER GOLDBERG: Dennis?
- 12 MR. NAUGHTON: Yes.
- 13 TREASURER GOLDBERG: Carly?
- 14 MS. ROSE: Yes.
- 15 TREASURER GOLDBERG: Paul?
- 16 MR. SHANLEY: Yes.
- 17 TREASURER GOLDBERG: Bob, are you
- 18 unmuted now?

19 MR. SHANLEY: No.

20 TREASURER GOLDBERG: No, no. Bob.

- Bob is not unmuted.
- 22 Okay. Bob, you think you can get it
- 23 unmuted?
- 24 Tony, by the way, has Peter joined us

2 MR. FALZONE: I do not see him yet. 3 TREASURER GOLDBERG: All right. 4 MR. FALZONE: I'll try to work with Bob 5 and see if we can get him unmuted. 6 TREASURER GOLDBERG: Okay. Should we 7 proceed? 8 MR. FALZONE: I would. Yes. 9 TREASURER GOLDBERG: Myself, yes. 10 The motion carries. 11 Okay then. Next item on the agenda is 12 portfolio completion strategies. I'm assuming it 13 will be Bill. 14 MR. LI: That's right, Madam Treasurer. 15 This is Bill Li. 16 TREASURER GOLDBERG: Thank you, Bill. 17 We will have a performance summary, and we will follow that with a new investment 18 19 recommendation, which will be a voting item. 20 So go ahead and do the performance 21 summary, Bill. And who will be presenting the 22 voting item? 23 MR. LI: My colleague Ethan Spencer will 24 present the investment recommendation.

1 TREASURER GOLDBERG: Okay. 2 MR. LI: But I will start with the 3 performance update first. 4 MR. FALZONE: I apologize for 5 interrupting. Bob, I think is --6 Bob, do you want to cast your vote for 7 that previous --8 MR. BROUSSEAU: Yes. I vote yes for the 9 recommendation. 10 MR. FALZONE: Thank you. Sorry for the 11 interruption. 12 TREASURER GOLDBERG: Thank you. 13 Okay. Go ahead, Bill. 14 MR. LI: Thank you, Madam Treasurer. 15 And good morning, everyone. This is 16 Bill Li, director of portfolio completion 17 strategies or PCS. 18 PCS is largely comprised of absolute 19 return strategies or hedge funds. While hedge 20 funds may fish in the traditional ponds of stocks 21 and ponds, their eyes are more on alpha than on 22 market beta. So when things in the market diverge 23 and move in different directions, it's usually 24 conducive to good alpha.

1 As mentioned at the last board meeting, 2 we like the ongoing divergence, which has created 3 notable valuation gaps. This divergence makes the 4 global market a more attractive fishing pond, we 5 think. And hedge funds have the flexibility 6 indeed to cast their investment both long and 7 short, thus more effectively seizing the gapped 8 opportunities.

9 Against this backdrop, I am happy to 10 report that PRIT hedge fund had a very good 11 calendar year. The hedge fund book returned 12 10.6 percent, outpacing the strategic benchmark by 13 83 basis points.

The sturdy performance had been actually across the board. Stable value funds delivered a positive 8.7 percent, and directional funds was up by 16.3 percent. And those figures are net of fees and expenses.

19 Trailing three-year return-risk ratio 20 was 1.4, meaning for each unit volatility risk we 21 take, there had been 1.4 unit of return. This 22 continued to compare favorably versus the .2 23 return-risk ratio exhibited by a 60/40 market 24 portfolio.

Despite the excellent result at the 1 portfolio level, each manager contributed 2 differently. We cannot emphasize enough the 3 importance of manager selection and that there has 4 been a lot of blocking and tackling going on 5 behind the scenes, for the PCS team to water the 6 flowers and take out the weeds. And this effort 7 has also paid off. 8

9 Relative to a peer-based benchmark, PRIT 10 hedge funds' outperformance has been even 11 stronger. The outperformance figure was 344 12 basis points, which attests to our manager 13 selection alpha.

14 Outside hedge fund, there is a small 15 real assets sleeve, now roughly 8 percent of PCS 16 or 70 basis points of the total PRIT Fund. While 17 the real assets sleeve is not large and while 18 most investments there are performing, certain 19 line items face challenges and have skewed the 20 return there to the downside.

Since I inherited that legacy sleeve, myteam, together with the real estate team, have been spending much time rationalizing, and we do have a plan to give further update at the next

1 board meeting.

2 Looking ahead, we don't have a crystal 3 ball on where the market will be going, given 4 there's so much macro noise. But again, PRIM PCS 5 tends to thrive here, as long as we partner with 6 the right risk takers to capture the opportunity 7 gaps. 8 Looking ahead, we plan to continue 9 managing challenges in a handful of legacy 10 accounts. We plan to continue growing alliance 11 with existing partners. And as importantly, we 12 will continue sourcing new partners who can engage 13 with opportunities, especially those off the 14 beaten path. 15 And that concludes my PCS performance 16 I'm happy to take any questions. update. 17 TREASURER GOLDBERG: Are there questions 18 for Bill? 19 All right. Why don't we move on to 20 Ethan, I will seek a motion and a second, Ethan? 21 and then you can make the presentation. 22 I seek a motion that the PRIM Board 23 approve the Investment Committee's recommendation 24 to approve an initial investment of up to

1 \$175 million to FourSixThree separately managed 2 account as described in the expanded agenda, and further to authorize the executive director to 3 4 take all actions necessary to effectuate this 5 vote. Is there a motion? 6 7 MR. SHANLEY: So moved. 8 TREASURER GOLDBERG: Is there a second? 9 MS. FITCH: Second. 10 MS. McGOLDRICK: Second. 11 TREASURER GOLDBERG: Okay. Go ahead, 12 Ethan. 13 MR. SPENCER: Great. Thank you, Madam 14 Treasurer. 15 And it's a good segue from Bill's 16 comments. Again, I'm Ethan Spencer and 17 recommending a new investment in FourSixThree 18 Capital Fund with an initial investment of up to 19 175 million within a separately managed account. 20 Just as a bit of background, 21 FourSixThree Capital was founded in 2021 and is 22 based in New York City, and they manage 23 approximately 750 million today. 24 Scott Balkan is a cofounder and the

principal portfolio manager for the strategy. He
has over 25 years of experience in both the sell
side and buy side at some notable Wall Street
firms and hedge funds and importantly has a very
broad experience ranging from investment grade to
distressed in the credit world.

7 The FourSixThree Fund strategy is best 8 classified as an opportunistic all-weather, across-9 the-cap structure, importantly long/short fund 10 with a strong emphasis on both capital 11 preservation and risk management.

While the focus is on stressed and distressed credits, they will migrate from performing investment grade to high yield to nonperforming bankrupt and deeply distressed companies, again both long and short, depending on the opportunity set.

As such, FourSixThree Capital should be a very good complement to both the hedge fund and PRIT portfolios, given their opportunistic long/ short approach.

There are three key differentiators that I'll touch on. The first is the senior team. There are four cofounders, so three in addition to

Scott Balkan, who I mentioned. All have over
 20 years of experience, and all have a broad
 network across Wall Street and the hedge fund
 world.

5 The second is the deep proprietary 6 research process that the firm performs across the 7 credit spectrum. FourSixThree specifically will 8 seek out very complex situations that others tend 9 to avoid, whether that's from a legal standpoint 10 or a structuring complexity standpoint. And their 11 size allows them to look at smaller situations 12 across the credit universe that most large hedge funds will avoid. 13

14 And the third is the very strong risk 15 management philosophy and approach. Every trade 16 at FourSixThree is first assessed by the mentality of what can they lose? And that downside becomes 17 18 a limiting factor in how they will size positions. 19 And as mentioned, this is an active long/ 20 short approach where they start their due 21 diligence with the mindset that any position can 22 be either long or a short. And notably, 23 FourSixThree has generated positive performance 24 from both longs and alpha shorts since inception.

1	So as mentioned at the outset, this
2	investment will be made through a separately
3	managed account, which provides PRIM with full
4	transparency and control and with steeply
5	discounted fees.
6	So with that overview, I'm happy to take
7	any questions, if there are any.
8	TREASURER GOLDBERG: Are there any
9	questions?
10	Hearing none, we will proceed with the
11	vote.
12	Bob?
13	MR. BROUSSEAU: Yes.
14	TREASURER GOLDBERG: Catherine?
15	MS. D'AMATO: Yes.
16	TREASURER GOLDBERG: Ruth Ellen?
17	MS. FITCH: Yes.
18	TREASURER GOLDBERG: Theresa?
19	Theresa?
20	All right. We'll come back to you,
21	Theresa.
22	Is Peter here?
23	MR. FALZONE: I don't see Peter yet.
24	TREASURER GOLDBERG: Okay. Dennis?

1	MR. NAUGHTON: Yes.
2	TREASURER GOLDBERG: Carly?
3	MS. ROSE: Yes.
4	TREASURER GOLDBERG: Pau1?
5	MR. SHANLEY: Yes.
6	TREASURER GOLDBERG: Trying you again,
7	Theresa.
8	She must have had to step to one side.
9	Myself, yes.
10	The motion carries.
11	All right. Thank you, Ethan.
12	Next item on the agenda is private
13	equity, and performance summary and cash flows
14	will be Mike McGirr.
15	MR. McGIRR: Thank you, Madam Treasurer.
16	I'm Michael McGirr, director of private
17	equity.
18	Can you hear me okay?
19	TREASURER GOLDBERG: Yes.
20	MR. McGIRR: Great.
21	As Michael Trotsky had mentioned
22	earlier, our long-term performance in private
23	equity remains strong. Our three-, our five-, our
24	10-year numbers of 19 percent, respectively, all

1 remain healthy.

And we've continued our rebound. We've
had our fourth straight quarter of positive
performance.

And turning to this quarter and as a 5 reminder, with our lag, we're talking about the 6 July through September time period, which seems 7 like a long time ago because it is. And if you 8 rewind the clock, during that period, the public 9 markets were down. The Russell 3000 was down over 10 3 percent; the Russell 2000, down5 percent, and 11 the MSCI Europe down 5 percent. 12

For the quarter, private equity was up 1.3 percent gross or 1 percent net. For the oneyear, as Michael Trotsky had mentioned, PE generated 6.8 percent gross return or 5.5 percent net.

And some additional color, as we've discussed, venture capital over that trailing oneyear period was down almost 13 percent. Growth was up modestly. And buyouts were strong performers with SMID buyouts up 8 percent for the one-year period and large buyouts up 12 and a half percent.

Cash flows, for the quarter in Q4, 1 distributions outpaced contributions. So we were 2 net cash flow positive for the guarter. And for 3 the entire calendar year '23, we received 4 \$1.7 billion in cash back from our managers. And 5 that flipped us to a net cash flow positive for 6 the calendar year, which is an important sign of 7 health. 8

9 With our positive performance, our 10 modest cash inflow, our assets stayed roughly the 11 same at 17.2 billion, but decreased as a percent 12 of PRIT with that strong performance across the 13 other asset classes, hedge funds as Bill had 14 mentioned and certainly public markets as Michael 15 McElroy had mentioned.

In our annual plans for the calendar year '24, we're targeting about the same in terms of commitments to funds, co-investments and secondary opportunities.

And I will pause my comments on performance. Happy to take any questions before we move into our voting items.

23 TREASURER GOLDBERG: Are there any
 24 questions for Mike on performance?

1 Hearing none, Mike, who will be 2 presenting on the voting items? Well, the first --3 and the first group gets moved together, correct? 4 MR. McGIRR: That's right. So 5 consistent with our prior practice for re-ups --6 TREASURER GOLDBERG: I do remember this. 7 MR. McGIRR: We have two re-up 8 opportunities. These are high-conviction existing 9 managers, and Tim Doyle is going to be presenting 10 these opportunities. 11 TREASURER GOLDBERG: Okay then. So I 12 will seek a motion that the PRIM Board approve the 13 Investment Committee's recommendation to approve 14 the following follow-ons -- I always find that an 15 amusing expression -- the following follow-on 16 commitments: Up to \$77 million with Spark Capital 17 VIII, up to \$34 million with Spark Capital 18 Growth V, up to \$60 million to Flagship Pioneering 19 Fund VIII --20 Flagship was the one with -- that did Moderna; am I correct? 21 22 MR. DOYLE: That's right. 23 TREASURER GOLDBERG: Yes. 24 As described in the expanded agenda, and

1	further to authorize the executive director to
2	take all actions necessary to effectuate this
3	vote.
4	Is there a motion?
5	MR. SHANLEY: So moved.
6	TREASURER GOLDBERG: Is there a second?
7	Anybody?
8	MS. FITCH: Second.
9	MS. McGOLDRICK: Second.
10	TREASURER GOLDBERG: Okay. Thank you.
11	Go ahead, Tim.
12	MR. DOYLE: Thank you, Madam Treasurer.
13	As Michael mentioned, I will be
14	presenting two high-conviction re-up
15	opportunities, each of whom PRIM has been invested
16	with for two decades.
17	I will start with Spark Capital. Spark
18	Capital is a Boston-based venture capital firm
19	where PRIM has been an investor since its
20	founding. PRIM has committed to Spark's past
21	11 funds, including seven early stage venture
22	funds and four growth stage funds.
23	Spark is raising two funds with an
24	aggregate \$2.1 billion in commitments to make a

number of early stage to growth stage investments
 in North America.

3 Over two decades, Spark has backed a 4 number of high quality tech-enabled businesses in 5 different sectors, and they continue to score 6 differentiated deal flow with its strong brand. 7 While we have preferred the early stage 8 venture strategy, Spark has also demonstrated 9 early successes in its growth funds, generating 10 venture-like returns at low loss ratios. 11 We're recommending a total commitment of 12 \$51 million, split \$17 million to Spark Capital VIII and \$34 million to Growth Fund V. 13 14 Next I'll move on to another high-15 conviction re-up with Flagship Pioneering. 16 Flagship is also a Boston-based venture capital 17 firm where PRIM has been an investor since 2004, 18 committing to the firm's past eight funds. 19 The firm is raising up to \$3.5 billion 20 for its latest venture capital fund, where it will 21 continue to make early stage venture capital 22 investments in companies focused on biotechnology, 23 health technology and agricultural technology. 24 We're excited to continue our

partnership with Flagship as they continue to 1 2 incubate companies that are on the precipice of 3 critical breakthroughs in science and medicine, 4 including in exciting new areas like programmable 5 medicines, AI-enabled drug discovery and gene 6 writing. 7 Over the last two decades, Flagship has 8 launched and developed several high quality 9 businesses in its core sectors and continues to 10 attract and partner with top scientists and 11 organizations due to its strong brand. 12 We are recommending a commitment of 13 \$60 million to Flagship Pioneering Fund VIII. 14 Michael, Helen and I are happy to answer 15 any questions that you might have. 16 TREASURER GOLDBERG: Any questions? 17 MR. BROUSSEAU: Yes, Madam Chair. Could 18 I please ask one question? 19 TREASURER GOLDBERG: Yes. 20 MR. BROUSSEAU: Tim, I've been here long 21 enough to know that both Spark and Flagship have 22 been two of our very, very fine, very highly 23 producing private equity investments. 24 The question that I have, do you think

you could probably go into a little bit of the due 1 2 diligence process, either you, Michael or anybody 3 on the team in presenting these? 4 Because again, as I said, they've been 5 very high-performing products that we've had, and 6 the Treasurer mentioned of course Moderna came out 7 of the Flagship investment many years ago. 8 And reading some of the things raised 9 some general concerns in my -- not concerns, but 10 just questions like referred to, like in due 11 diligence and the results that we saw with them. 12 0kay? 13 MR. McGIRR: Yes, Bob. Thanks for 14 asking that. Due diligence is certainly near and 15 dear to my heart. So it's a great question. 16 Firstly, I'd say with both of these 17 groups, as you rightly point out, we've been 18 investing with these groups for 20 years. And 19 these are managers who have delivered for us, 20 which has been fantastic. 21 Over the regular course of business, we 22 conduct a variety of regular portfolio monitoring

24 opportunities to continue investing with the

meetings. And these are re-ups. These are

23

1 investment manager.

2 So as Bill Li just mentioned, this is 3 watering the flowers. And these re-up 4 opportunities, they provide us the opportunity to 5 look and evaluate the managers with fresh eyes, to 6 challenge our prior beliefs and conviction levels. 7 And finally, as you know, we work with 8 some of the best firms with regards to investment 9 due diligence, operational due diligence and legal 10 due diligence. When evaluating a manager, we 11 understand that there's no perfect manager. 12 Understanding an organization's areas for 13 improvement, it provides us with the opportunity 14 to engage in a constructive manner and have a 15 conversation with the manager about how to 16 improve. 17 And that's good for us. So if the 18 manager is improving, it helps them, which helps 19 So we try to engage in that constructive us. 20 dialogue. 21 Hopefully that helps. 22 MR. BROUSSEAU: And this management has 23 remained relatively stable over the years, over 24 the last 20 years?

MR. McGIRR: With both of these firms? 1 2 MR. BROUSSEAU: Yes. 3 MR. McGIRR: Certainly these 4 organizations have evolved and changed. But 5 definitely in terms of the leadership, what we see 6 is a lot of stability, a lot of continuity in key 7 leaders and importantly in the culture. 8 MR. BROUSSEAU: Thank you. 9 MR. TROTSKY: And, Bob, I think -- and 10 Michael, please confirm, and Matt, I see, is on 11 the call too. 12 But in terms of operational due 13 diligence, I think we've been pioneers in using an 14 outside consultant who is really expert in 15 operational due diligence to help us evaluate 16 managers. And I think it's important to note that 17 we're one of the very few in the country probably 18 that do that level of operational due diligence. 19 Can Mike and Matt please chime in on 20 that? 21 MR. LIPOSKY: Yes, you're exactly right. 22 That's a lot of the feedback and sentiment we get 23 when we have these conversations with the GPs is 24 appreciate the work on this in terms of the firm

1	that you partnered with. Feedback is great. It
2	helps us identify areas that we can improve as a
3	firm and organization.
4	And that's the type of messaging and
5	partnership that we are looking for when we're
6	looking out for managers like this.
7	TREASURER GOLDBERG: Any other
8	questions?
9	Hearing none, we will proceed with the
10	vote.
11	Bob?
12	MR. BROUSSEAU: Yes.
13	TREASURER GOLDBERG: Catherine?
14	MS. D'AMATO: Yes.
15	TREASURER GOLDBERG: Ruth Ellen?
16	MS. FITCH: Yes.
17	TREASURER GOLDBERG: Theresa?
18	MS. McGOLDRICK: Yes.
19	TREASURER GOLDBERG: Dennis?
20	MR. NAUGHTON: Yes.
21	TREASURER GOLDBERG: Carly?
22	MS. ROSE: Yes.
23	TREASURER GOLDBERG: Paul?
24	MR. SHANLEY: Yes.

1	TREASURER GOLDBERG: Myself, yes.
2	The motion carries.
3	Thank you. That's it for private
4	equity, if I'm correct. Yes.
5	Real estate and timberland will be a
6	performance summary; no voting items.
7	Go ahead, Tim.
8	MR. SCHLITZER: That's right. Good
9	morning, everyone. Good to see you.
10	So for the record, I'm Tim Schlitzer,
11	director of real estate and timberland. I'm just
12	going to provide a brief update on the portfolio
13	but won't be referring to any materials
14	specifically.
15	I also did want to just quickly
16	congratulate John. I think you all know John well
17	and know what a great contributor he is to our
18	efforts on the team. And this is a very well-
19	deserved promotion for him. So I'm very excited.
20	And also related to that because she's
21	going to be reporting to John, we are very excited
22	to have Raluca here. She's going to be really
23	additive, not just to our investment process but
24	to our culture as well. So another exciting

1 development there.

So just moving on to some portfolio 2 comments, just quickly on our allocation. We 3 ended the year exactly where we want to be, within 4 a point of the range midpoints of 10 percent and 5 4 percent for real estate and timberland, 6 respectively. 7 In terms of new investment activity for 8 the year, we did make a number of new real estate 9 investments, which of course occurred in an 10 environment of more attractive pricing. 11 And we increased the current yield of 12 the portfolio. And we also improved the longer 13 term prospects for return of the portfolio. 14 Areas of new investment included 15 construction lending, where we're benefiting from 16 the current rate environment and the pullback 17 that we've seen from traditional lenders. I do 18 want to thank Christina Marcarelli for her efforts 19 there. We really like this investment idea, and 20 her expertise has been huge in making these 21 investments happen. 22

23

24

We added to our industrial and apartment

exposure, sectors that we know well and believe 1 2 will continue to have strong long-term 3 fundamentals. We added some data center exposure, 4 benefiting from e-commerce and cloud computing and 5 now, as you know, themes in AI. 6 On the timberland side, we completed a 7 creative transaction in one of our separate 8 accounts with one of the public timber companies 9 to both buy and sell property in multiple states, 10 realizing a nice gain for PRIM and improving the 11 risk profile of the southern portfolio overall, 12 specifically our exposure to wind risk, which 13 we're thinking more about as related to 14 sustainability within the portfolio. So a good 15 improvement to the timber portfolio overall. 16 In terms of performance in real estate, 17 we're obviously disappointed by the negative 18 absolute return number at negative 5.8 percent, 19 but pleased that PRIM's program was able to 20 outperform in the way that it has through a cycle 21 that has lasted about 12 years. 22 And as Michael mentioned, the primary

driver of performance has really been the impact
of the changing interest rate environment, which

1 is affecting the entire market.

2 It's probably worth pointing out that 3 PRIM's private portfolio does remain at 92 percent 4 leased, and our same-store income actually 5 increased slightly during 2023, so good operating 6 performance during the year.

We did outperform by 505 basis points. 7 Drivers of the relative performance result were --8 and Michael mentioned this as well -- a more 9 attractive leverage profile and overall asset 10 quality. We do have fairly large underweights to 11 some of the major West Coast markets, which have 12 underperformed recently. We also have an 13 underweight to suburban office buildings and the 14 sector as a whole, which was helpful. 15

Just speaking to timberland performance. No timber had a strong year on both an absolute and relative basis, returning 11.4 percent or about 140 basis points above benchmark. That relative performance result actually goes up to 200 basis points when we use the unlagged December 31 index number.

We've talked previously about theinformation lag in the appraisal process, and I

think we caught up to a certain degree during this
past year-end appraisal cycle.

The asset class continues to see a lot of interest from a diverse group of buyers. And there were several transactions during the year that were supportive of higher values in PRIM's portfolio and were recognized. So good to see there.

I'll also note that returns were 9 remarkably consistent across all segments of 10 PRIM's portfolio, really just meaning the 11 geographies and then the managers themselves. So 12 I think this is reflective of the broad interest 13 from the capital markets in this asset class. 14 Generally, just speaking to 15 fundamentals, fundamentals are expected to be 16 fairly flat this year. We're through the 17 building and renovation activity that occurred 18 during the pandemic. But demand has been fairly 19 resilient and should continue to support 20 construction, given demographic demand and 21 underbuilding since 2010, which are themes that I 22 know that we've discussed previously. 23

24

1 So I'm going to leave it at that. Of 2 course I'm happy to answer any questions, but 3 that's my report on the portfolio. 4 TREASURER GOLDBERG: Any questions for Tim? 5 6 MR. SCHLITZER: Thank you, everyone. 7 TREASURER GOLDBERG: Thank you. Tim. 8 Okay then. We are moving on to 9 stewardship and sustainability. And we do have 10 two voting items, but Veena, are you going to make 11 a presentation prior to the voting items? MS. RAMANI: Yes, I am, Madam Treasurer. 12 13 TREASURER GOLDBERG: Thank you. 14 MS. RAMANI: Okay. So hi, everyone. My 15 name is Veena Ramani. I'm the director of 16 stewardship. 17 So as Michael said, we've had a pretty 18 productive Stewardship and Sustainability 19 Committee meeting a few weeks ago. The committee 20 reviewed the stewardship policy statement. We dug 21 into the proxy voting policy in a good amount of depth. And we also had a chance to discuss our 22 23 ongoing efforts to identify stewardship 24 priorities.

1 Two of these are of course voting items. 2 And Madam Treasurer, with your permission, that's where I'm going to focus most of my remarks. 3 Is 4 that okay? 5 Okav. So the first item is the 6 stewardship policy statement, which can be found 7 on --8 TREASURER GOLDBERG: Hold on one second. 9 I was on mute. 10 What I was going to say is I am going to 11 seek a motion and a second on the policy 12 statement, but I was saying it to a mute so that 13 didn't help. 14 So I would like to seek a motion that the PRIM Board approve the Stewardship and 15 16 Sustainability Committee's recommendation to 17 approve the draft stewardship policy statement 18 attached as Appendix I of the expanded agenda, and 19 further to authorize the executive director to 20 take all actions necessary to effectuate this 21 vote. Is there a motion? 22 23 MR. NAUGHTON: So moved. 24 MR. SHANLEY: So moved.

1 TREASURER GOLDBERG: And second? 2 MS. McGOLDRICK: Second. 3 TREASURER GOLDBERG: Okay. Go ahead, 4 Sorry for that confusion. Veena. 5 MS. RAMANI: No problem, Madam 6 Treasurer. 7 So again, I am happy to keep this short. 8 The stewardship policy statement is 9 intend to do four things. It's intended to define 10 what stewardship means to MassPRIM. It's intended 11 to underscore that the rationale for everything that we do is anchored in materiality and 12 13 fiduciary duty. It includes illustrations of 14 actions that we would take as a part of our 15 stewardship efforts and lays out the principles 16 that will guide these actions. And finally, it 17 identifies objectives or standards of success that we intend to hold ourselves to. 18 19 So I'm happy to stop here and take any 20 questions. 21 TREASURER GOLDBERG: Are there questions 22 for Veena? 23 Not hearing any. 24 Okay then. If there are no further

1	questions or comments
2	Are there any comments?
3	All right. Then we will proceed with
4	the vote.
5	Bob?
6	Catherine?
7	MS. D'AMATO: Yes.
8	TREASURER GOLDBERG: Ruth Ellen?
9	MS. FITCH: Yes.
10	TREASURER GOLDBERG: Theresa?
11	MS. McGOLDRICK: Yes.
12	TREASURER GOLDBERG: Dennis?
13	MR. NAUGHTON: Yes.
14	TREASURER GOLDBERG: Carly?
15	MS. ROSE: Yes.
16	TREASURER GOLDBERG: Paul.
17	MR. SHANLEY: Yes.
18	TREASURER GOLDBERG: Tony, do we still
19	not have Bob?
20	MR. BROUSSEAU: Yes.
21	MR. FALZONE: We do.
22	TREASURER GOLDBERG: Oh, we have you.
23	Good. Okay. Thank you.
24	Myself, yes.

1	The motion carries.	
2	All right then. For the next item, we	
3	will seek a motion that the PRIM Board approve the	
4	Stewardship and Sustainability Committee's	
5	recommendation to approve the draft custom proxy	
6	voting guidelines attached as Appendix G of the	
7	expanded agenda, and further to authorize the	
8	executive director to take all actions necessary	
9	to effectuate this vote.	
10	Is there a motion?	
11	MR. BROUSSEAU: So moved.	
12	MR. SHANLEY: So moved.	
13	TREASURER GOLDBERG: Is there a second?	
14	MS. McGOLDRICK: Second.	
15	TREASURER GOLDBERG: Okay. Go ahead,	
16	Veena.	
17	MS. RAMANI: Thank you very much.	
18	So as the Board knows, our proxy voting	
19	policy lays out our guidelines on how we intend to	
20	vote our proxies this coming proxy season. So we	
21	update these guidelines annually to reflect new	
22	priorities, updated research on issues that are	
23	already included in the guidelines.	
24	This year, we're looking to make two	

major categories of updates to the guidelines. 1 2 First, we are adding rationale language across the guidelines that clarify not only how we intend to 3 4 vote in a particular way, but also why. In 5 particular, we are explicitly making the link back 6 to positioning our companies for long-term value 7 creation, again harkening back to the stewardship 8 policy statement.

9 Second, we are looking to add or change 10 guidelines in a few areas, and those major areas 11 are laid out in Appendix J. Our goal in doing 12 this is twofold. One is we want to reflect the 13 latest research on how to look at certain issues, 14 and we also want to start to capture evolving 15 resolutions that we're starting to see.

16 The major areas here that we've added or 17 change significantly include our approach to vote 18 diversity, to vote accountability for climate 19 change, and we're adding a new set of policy 20 languages on biodiversity.

All of these changes are intended to maintain the leadership position that we've staked out on these topics, but also focus our attention either on companies or on decision-makers within

1 companies for whom these are financially relevant 2 topics. So again, let me stop there. I'm happy 3 4 to take questions. 5 TREASURER GOLDBERG: Are there any 6 auestions? 7 MR. NAUGHTON: Madam Treasurer, if I 8 may, just a comment as a member of this committee, 9 that is the Stewardship and Sustainability 10 Committee. 11 I just want to comment as to what an 12 asset Veena has been to the guick building of the 13 committee and the substance of what the committee 14 is going to do. And I just want to take this 15 opportunity to thank her for that. 16 TREASURER GOLDBERG: You took the words 17 right out of my mind. I was sitting here thinking 18 that as you said it. 19 MS. McGOLDRICK: I want to just echo 20 that as well. Very excited to have Veena. 21 MS. FITCH: I agree. I agree. I'm 22 excited. 23 TREASURER GOLDBERG: Okay then. 24 MS. FITCH: Yes.

1	TREASURER GOLDBERG: So why don't we do
2	Veena a big favor and vote the item. All right.
3	If there are no questions, then we will
4	proceed with the vote.
5	Bob?
6	MR. BROUSSEAU: Yes.
7	TREASURER GOLDBERG: Catherine?
8	MS. D'AMATO: Yes.
9	TREASURER GOLDBERG: Ruth Ellen?
10	MS. FITCH: Yes.
11	TREASURER GOLDBERG: Theresa?
12	MS. McGOLDRICK: Yes.
13	TREASURER GOLDBERG: Dennis?
14	MR. NAUGHTON: Yes.
15	TREASURER GOLDBERG: Carly?
16	MS. ROSE: Yes.
17	TREASURER GOLDBERG: Paul?
18	MR. SHANLEY: Yes.
19	TREASURER GOLDBERG: Myself, yes.
20	The motion carries.
21	Thank you very much.
22	Now we have the finance and
23	administration report.
24	MR. FALZONE: Yes. Thank you, Madam

1 Treasurer.

2 I don't have any voting items today. We 3 do have Kevin Conroy with us. I'm going to have 4 Dave Griswold promote him. 5 His firm, Foley Hoag, administered the 6 board self-evaluation, and he's here to provide a 7 summary of those findings. So I will turn it over 8 to him. 9 Kevin. Thank you. 10 MR. CONROY: Hey. Good morning, 11 everybody. I am Kevin Conroy. I'm a partner at 12 the law firm of Foley Hoag. It's good to see all 13 of you. 14 We were hired and worked --15 Tony, you're going to put up some 16 slides? 17 Thank you. 18 MR. FALZONE: They're up. 19 MR. CONROY: Thank you. And you can go 20 to the next slide, Tony. Foley Hoag is a law firm here in Boston, 21 and we were hired to administer a self-evaluation 22 survey on behalf of the Board. And we worked 23 specifically with the Administrative Committee to 24

1 prepare our report.

2 And, Tony, you can go to the next slide. We asked Board members -- and I'm going 3 to be very brief on these slides today. We made a 4 presentation to the Administration and Audit 5 Committee that was a little more detailed. And 6 one of the feedback that we got in the survey 7 that we'll talk about is that Board members did 8 notwant to be hearing a lot from presentations 9 that were already made at a committee. 10 11 So I'm going to follow your advice, and I'm going to be very brief today because I've 12 already presented much of this to the 13 Administration and Audit Committee. 14 As you know, Board members were asked 15 to complete a survey on SurveyMonkey. The survey 16 that you filled out was similar to what was done 17 in 2019 and 2020. 18 And thank you. All Board members 19 completed the survey. And we analyzed the 20 results. 21 22 Tony, you can go to the next slide. 23 So there were some open-ended questions. 24 And in general, from the open-ended responses,

this was a very positive survey. And this is not
surprising. There was a very positive survey in
2020, as well as 2019.

The Board is high-functioning. It 4 performs effectively and performs effectively even 5 in this volatile market that we're dealing with. 6 Several Board members highlighted the 7 Board's progress and development. Board members 8 praised creation -- and I heard it again -- of the 9 Stewardship and Sustainability Committee and the 10 work that's being done there. Board members 11 talked about the importance of diversity and 12 promoting advancement through the FUTURE 13 Initiative. 14 Board members praised the leadership and 15 support staff of PRIM and its ability to retain 16 and grow this impressive group. 17 18 Next slide, Tony, please. 19 So we also had some just general, not 20 open questions but close-ended questions that led 21 to some specific findings. 22 First, the Board is collaborative in 23 decision-making. That came out in your surveys.

24 The relationship with management creates a very

1 supportive environment.

The Board evaluates the ED, the 2 executive director, Michael Trotsky, as very 3 effective. The Board communicates and sets goals 4 effectively. 5 And the number and duration of the 6 Board meetings, according to Board members, is 7 optimal. And the focus at that meeting is optimal. 8 9 You can go to the next slide. So in general, here's the conclusions, 10 and we're going to talk a little bit more about 11 the comparisons and some areas of improvement. But 12 in general, Board members' interactions are viewed 13 very positively. The Board's interactions with 14 management are viewed favorably by the Board. And 15 the Board adequately accomplished its 16 communication and goal-setting function. And 17 Board meeting logistics are ideal. And the 18 Board's distribution of how it allocates its time 19 is optimal. 20 21 So let's talk -- next slide, Tony, 22 please -- the comparisons to the 2020 survey. 23 So good for you. We saw a slight improvement 24 in how the Board viewed its

performance from 2020. In this survey, 95 percent
 of the questions were answered positively. And in
 2020, 91 percent were.

And so we saw some improvement. And you seemed more satisfied, the Board seems more satisfied with the operations, slightly more satisfied with the operations.

8 The Board interactions with management 9 and communication and goal setting remain topics 10 where the Board provided very positive responses.

11 The Board meetings showed improvement. 12 In 2020, some members indicated there were too 13 few meetings or that they were too long. And that 14 did not come out in the survey.

And there was also improvement in the Board's allocation of time to identify topics.

17 So let's move to the next slide, Tony.

Suggestions for improvement. And 18 again, I want to emphasize here, right, the Board 19 was very satisfied with where it is right now. 20 But there were a few areas where the Board 21 suggested there could be improvement. And we 22 would suggest that you have some discussions among 23 Board members, not today -- or you can today --24 but at

1 future meetings about this.

2 One Board member suggested an annual 3 retreat or strategy day to enhance Board member 4 understanding of PRIM's growth strategy.

5 This was a topic. The second one, I 6 want to talk for a second about. There was a lot 7 of feedback in the survey about whether the board 8 should continue its virtual meetings, move to in-9 person meetings, or provide a hybrid option, or 10 have some virtual meetings and some in-person 11 meetings.

And then what we would recommend is once you make that decision, that you have some discussion about the best practices for how to do that, where you're meeting, when you're meeting, things of that sort.

And I do think that there was some enthusiasm for coming back to at least having some in-person meetings. And so the Board may want to consider having some discussion about that.

As I mentioned before, one Board member recommended the Board committees provide prereads, that Board members focus on what had occurred at the committees, and so we're not doing

the same

thing at committee meetings and at the Board
 meeting.

3 One Board member suggested that it's 4 not best practice for the Board chair to be also 5 the chair of each committee.

First of all, I don't think that's
accurate. The Board chair is not the chair of
each committee. For example, Bob is the chair of
the Administration and Audit Committee.

10 Second, there may be reasons that the 11 Board chair should be the chair of a number of 12 committees. The Board chair here is an elected 13 official that's beholden to the voters. And so 14 that is a topic you may or may not want to 15 discuss.

And then I do think that the Board should consider Board members' preferences on education topics. And we put this in the report. The Board had pretty strong feelings about education topics that the Board should be considering.

A clear majority of Board members indicate that governance and fiduciary duty and investment performance should be prioritized for

Board education. And the Board should also 1 consider whether to enhance education around 2 topics the Board members indicated the Board 3 devotes too little time to. 4 Capital markets, history and securities 5 lending are topics that a majority of Board 6 members believe should be a low priority for 7 Board education. 8 So I do think the Board should give 9 some thoughts about what it wants to have for 10 education. And that came out in the survey, the 11 areas that the Board wants to highlight. 12 TREASURER GOLDBERG: Kevin, I might add 13 that I also do not chair real estate and 14 timberland. 15 16 MR. CONROY: Thank you, Treasurer. 17 TREASURER GOLDBERG: Or the chair does 18 not chair real estate and timberland. 19 MR. CONROY: Understood, Treasurer. 20 Thank you. So those were our findings. I'm happy 21 to take questions. But in general, I really do 22 want to emphasize this is a very well-23 functioning Board. We don't usually see surveys 24 of Board

members being so satisfied with the Board. This
 is a Board that works very well with management,
 according to your Board surveys.

And there are some slight areas that I think you may want to consider as you go forward, as any Board should consider about improving functions, but this is a very satisfied Board, and that came out in the survey.

9 TREASURER GOLDBERG: The other thing I 10 want to mention is that we were scheduling annual 11 retreats. And I will tell you that I remember the 12 last one we did, we were challenged with 13 attendance, even though it was on the schedule.

And the last two retreats focused a great deal on fiduciary duty, which definitions of are always complicated, and I thought that was really terrific, and also questions around ESG. Some of those issues have been really resolved a great deal over time.

But I think that if we're going to have Board retreats, and this is a further discussion obviously among Board members, then candidly, we would want, unless obviously an emergency arises, to have full participation because staff puts an

awful lot of work into it, and often we bring in 1 2 outside speakers. 3 So I just wanted to comment upon that 4 too, which I did not say at the Admin and Audit 5 Committee. 6 MR. FALZONE: Thank you. 7 MR. CONROY: Yes. I think on the 8 retreat, one, you've got to remember the history, 9 as you pointed out, Treasurer. 10 Some Boards like having retreats because it gives a real common bond. You bring people 11 together, and they can spend some time together. 12 If the retreat has not been successful 13 in the past, though, I think that's a reason to 14 question whether you want to do it. 15 TREASURER GOLDBERG: Well, the topics 16 were very successful. The first one, I think had 17 better participation than the second. 18 But they are, I think -- I think it's 19 excellent use of time. I'm glad it came up again, 20 and I think that we will continue to discuss it, 21 along with hybrid and in-person because Board 22 participation, we've seen all across all the 23 Boards that I am involved in or chair, has gone 24 up

tremendously since either remote or hybrid have 1 come into being. 2 And actually, in the governor's budget 3 this year, continuing permanently with remote 4 participation I believe is included in this year's 5 budget, rather than having a deadline. 6 However, I do think it would be great to 7 have a Board meeting in person. We haven't seen 8 the new offices. for example. 9 So maybe, Tony, we could send out a 10 survey and maybe look at -- springtime is a lot 11 easier for people or early fall than summer or 12 winter. 13 14 MR. FALZONE: Will do. 15 TREASURER GOLDBERG: I have a big 16 birthday coming up. We could do it in May. Just 17 saying. 18 Kevin, is that your entire presentation? 19 MR. CONROY: That's my presentation. Thank you for this opportunity. 20 TREASURER GOLDBERG: And I want to thank 21 all the Board members for participating. We 22 know that when I first arrived, we were lucky if 23 three participated. So I'm glad that we have 24 full

participation in the Board evaluation. 1 2 So thank you, Board members, for doing 3 so. 4 MR. CONROY: Yes. Thank you. 5 TREASURER GOLDBERG: Are there any 6 questions for Kevin besides the one that I 7 addressed? 8 Okay. Hearing none. 9 Oh, Emily. Are you on? 10 MS. KOWTONIUK: I am here. 11 TREASURER GOLDBERG: Hello there. 12 Legislative update. 13 MS. KOWTONIUK: So we are well into the 14 second year of the legislative session. We just 15 passed Joint Rule 10 Day, which is the day by 16 which almost all legislative committees need to 17 report on the bills that were timely filed before 18 them. 19 So just as a reminder for PRIM, we tend 20 to track sort of three buckets of bills. 21 Divestment bills, all of which were sent to study. 22 As we saw in past sessions, there's sort of a 23 bright line to opening the door to divestment. 24 The second bucket is oversight bills,

and that was a little bit of a mixed bag in terms 1 2 of committee reports. We did see one bill that 3 would add an additional layer of oversight 4 specific to climate that was extended, and another 5 bill that was sent to study. 6 And then the third bucket is those 7 composition bills that would alter the board 8 composition. Those bills were reported favorably 9 in both chambers. 10 We're also watching a few bigger ticket 11 items, as the Treasurer alluded to. So the governor has filed a municipal bill that makes 12

permanent a lot of those COVID special policies,
including the Open Meeting Law. That bill also
includes a commission to study retiree healthcare
and non-pension benefits.

And we're in budget season, so we're watching the FY '25 budget sort of make its way through the legislature. Included in the governor's budget was that 3 percent COLA that we've seen in past years, along with a COLA commission, so a commission specific to study COLAS.

And she also proposed increasing the

amount transferred to the State Retirees Benefit 1 2 Trust Fund and the PRIT Fund from the standard 3 5 percent of excess capital gains to 10 percent. 4 So those are the items that we're 5 watching, and I'm happy to answer any questions. 6 TREASURER GOLDBERG: Any questions for 7 Emilv? 8 MR. BROUSSEAU: Emily, Bob Brousseau. 9 Are any bills filed dealing with the 10 composition of the PRIM Board? I've seen 11 something recently on an email. 12 MS. KOWTONIUK: Yes. So there were two 13 bills filed. One in the House by Rep Cusack, and 14 one in the Senate by Senator Rush. And those were 15 both reported favorably from the Public Service 16 Committee. 17 MR. BROUSSEAU: For everybody's 18 information, could you just -- what would they do? 19 MS. KOWTONIUK: So it alters the 20 governor's public safety appointee for future 21 appointments from a list of three potential 22 appointees that's chosen by MACRS. And that's the same language that we've seen both in prior 23 24 sessions and filed as amendments to the budget.

MR. NAUGHTON: Emily, could you remind 1 2 us who generates the list of three? 3 MS. KOWTONIUK: MACRS. I may be saying 4 that wrong, but --5 TREASURER GOLDBERG: MACRS. 6 MS. KOWTONIUK: MACRS. 7 So it's the same entity as in prior 8 sessions. 9 TREASURER GOLDBERG: That's kind of 10 interesting. None of our appointees are directed 11 from a specific list that an outside entity recommends. So that would really vary from what 12 13 is traditionally done. 14 I mean all of the designated seats, 15 which Theresa or Dennis or Bob have, do not --16 also submitted along with a list. So I think 17 that's an interesting aside on that. 18 So with that, are there any other 19 questions for Emily? 20 Thank you, Emily. 21 MR. FALZONE: Thank you. 22 TREASURER GOLDBERG: We have been very 23 efficient with our time today, and we are at other 24 matters.

1	And so unless there are any other
2	questions, we have reached the end of the meeting
3	today.
4	MS. FITCH: Wow.
5	TREASURER GOLDBERG: So if there are no
6	further questions, I would seek a motion to
7	adjourn.
8	MR. BROUSSEAU: So moved.
9	TREASURER GOLDBERG: Is there a second?
10	MS. FITCH: Second.
11	TREASURER GOLDBERG: That is a roll call
12	vote.
13	Bob?
14	MR. BROUSSEAU: Yes.
15	TREASURER GOLDBERG: Catherine?
16	MS. D'AMATO: Yes.
17	TREASURER GOLDBERG: Ruth Ellen?
18	MS. FITCH: Yes.
19	TREASURER GOLDBERG: Theresa.
20	MS. McGOLDRICK: Yes.
21	TREASURER GOLDBERG: Dennis?
22	MR. NAUGHTON: Yes.
23	TREASURER GOLDBERG: Carly?
24	

1	TREASURER GOLDBERG: Paul?
2	MR. SHANLEY: Yes.
3	TREASURER GOLDBERG: Myself, yes.
4	The motion carries.
5	Thank you very, very much.
6	(Meeting adjourned at 11:28 a.m.)
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