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## COMMONWEALTH OF MASSACHUSETTS

PENSION RESERVES INVESTMENT MANAGEMENT BOARD

Minutes of the Thursday, November 29, 2018, Board Meeting

Commencing at 9:33 a.m.

In the PRIM Board Offices At 84 State Street Boston, Massachusetts

1	I N D E X
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3	LIST OF DOCUMENTS AND OTHER EXHIBITS
4	ATTENDEES
5	CALL TO ORDER
6	APPROVAL OF MINUTES
7	EXECUTIVE DIRECTOR/CHIEF INVESTMENT
8	OFFICER REPORT
9	* *
10	COMPENSATION COMMITTEE REPORT
11	INVESTMENT REPORT
12	FINANCE AND ADMINISTRATION REPORT
13	ADJOURNMENT
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1		A P P E N D I C E S
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3	Α.	Minutes of the PRIM Board Meeting on
4		August 14, 2018
5	в.	PRIT Fund Performance Report,
6		September 30, 2018
7	С.	BNY Mellon Gross of Fees Performance
8		Report, September 30, 2018
9	D.	Real Estate and Timberland Performance
10		Charts
11	Ε.	Private Real Estate RFP Recommendation
12	F.	Townsend Group Private Real Estate
13		Recommendation
14	G.	Real Estate Appraisal RFP Recommendation
15	н.	Townsend Group Real Estate Appraisal RFP
16		Recommendation
17	I.	KPMG 2018 Audit Results Report
18	J.	Draft Fiscal Year 2018 Comprehensive
19		Annual Financial Report
20	к.	Proposed 2019 PRIM Board and Committee
21		Meeting Schedule
22	L.	September 2018 PRIM Operating Budget
23	м.	Travel
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1 ATTENDEES 2 3 **BOARD MEMBERS:** 4 Treasurer Deborah B. Goldberg, Chair 5 Robert L. Brousseau Ruth Ellen Fitch 6 7 James B.G. Hearty Theresa F. McGoldrick, Esq. 8 9 Peter Monaco (via telephone) Dennis J. Naughton 10 11 Carly Rose 12 13 OTHER ATTENDEES: 14 15 Michael G. Trotsky, CFA, Executive 16 Director and Chief Investment Officer Kevin Blanchette, Worcester Regional 17 Retirement Board 18 19 Patrick Brock, Hampshire County Retirement 20 Board Matthew Coburn, BNY Mellon 21 22 Robert Moriarty, INVESCO 23 Millie Viqueira, Callan 24 Bud Pellechia, Callan

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1	Cori English, Hamilton Lane
2	Michael Bergquist, TRE
3	Sarah Kim, TRE
4	Michael DeVito, PERAC
5	Sylvia Argiropoulos, PRIM
6	Mike Murphy, NEPC
7	Mike Bergquist, TRE
8	Liu Liu, PRIM
9	Maria Garrahan, PRIM
10	Bill Li, PRIM
11	Eric Nierenberg, PRIM
12	Alyssa Fiore, PRIM
13	Michael McGirr, PRIM
14	Michael Bailey, PRIM
15	Andre Clapp, PRIM
16	Chuck LaPosta, PRIM
17	David Gurtz, PRIM
18	Andre Abouhala, PRIM
19	Christina Marcarelli, PRIM
20	John LaCara, PRIM
21	Tim Schlitzer, PRIM
22	Paul Todisco, PRIM
23	Franceso Daniele, PRIM
24	Matt Liposky, PRIM

1	Deborah Coulter, PRIM
2	Anthony Falzone, PRIM
3	Dan Eckman, TRE
4	Chris Supple, PRIM
5	Steffanny Rosario, PRIM
6	Iris Sosa, PRIM
7	Andrew Gromer, PRIM
8	Shijia Chen, PRIM
9	Anita Huang, PRIM
10	Sara Coelhos, PRIM
11	Grace Gao, PRIM
12	David Griswold, PRIM
13	Tom O'Donnell, PERAC
14	Catherine Porter, HedgeMark
15	Cosmo Macero, O'Neill & Associates
16	Chase Schands, O'Neill & Associates
17	Chandra Allard, Treasury
18	Martha Samayoa, Unite Here
19	Jeff Nelson, Unite Here
20	Jorden Fein, Unite Here
21	Dan Stenger, Townsend
22	Erika Glaster, MTRS
23	
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PRIM Board Meeting Volume 1 November 29, 2018

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1	ALSO PF	RESENT:						
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1	PROCEEDINGS
2	A meeting of the Pension Reserves
3	Investment Management Board (PRIM Board) was
4	held on November 29, 2018, at the PRIM Board offices
5	located at 84 State Street, Boston,
6	Massachusetts.
7	Call to Order:
8	The meeting was called to order and
9	convened at 9:40 a.m. Treasurer and
10	Receiver-General Deborah Goldberg chaired the
11	meeting.
12	TREASURER GOLDBERG: The Massachusetts
13	open meeting law permits meetings to be recorded
14	and states that the chair will inform attendees
15	at the beginning of the meeting of any such
16	recording.
17	So, accordingly, I am informing you that
18	Kathy Tevnan, seated here to my left, is
19	transcribing and also recording this meeting. If
20	anyone else in attendance today is recording the
21	meeting, I would ask that you identify yourself.
22	(Pause)
23	TREASURER GOLDBERG: Also for the
24	benefit of our stenographer and all those who are

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listening, please identify yourself by name and 1 2 speak clearly and audibly. 3 Thank you very much. 4 Before we begin I would like to inform members of the Board who may not know, that Paul 5 Shanley lost his brother this week. Vinny 6 7 Shanley, who I was unaware was a hockey star at Boston College. Did you know that? 8 9 MR. TROTSKY: I didn't. 10 TREASURER GOLDBERG: Did you know 11 that? Nobody knew that. Okay. 12 So sadly the funeral is today, this 13 morning. So I know that all of our thoughts and 14 prayers are with Paul and his family at this 15 time. 16 Now, with that, I would seek approval of 17 the minutes. That the PRIM Board approve the minutes of its August 14, 2018 meeting and 18 further to authorize the Executive Director to 19 take all actions necessary to effectuate this 20 21 vote. Is there a motion? 22 MR. BROUSSEAU: Bob Brousseau, I move 23 to adopt the minutes. 24 TREASURER GOLDBERG: Is there a

1 second? 2 MR. NAUGHTON: Second. TREASURER GOLDBERG: Thank you. All 3 4 those in favor? 5 BOARD MEMBERS: Aye. TREASURER GOLDBERG: Any opposed? 6 7 MR. MONACO: Aye. TREASURER GOLDBERG: Who is on the 8 9 phone? MR. MONACO: Monaco. 10 11 MS. GOLDBERG: Oh, hi. Peter, my how 12 you have changed. 13 MR. MONACO: Hi there. Sorry I 14 couldn't be there in person. 15 TREASURER GOLDBERG: That's okay. All 16 right then. Okay. The motion carries. 17 (VOTED: To approve the minutes of the August 14, 2018, meeting). 18 TREASURER GOLDBERG: Executive 19 20 Director/Chief Investment Officer report. 21 MR. TROTSKY: Thank you, Madam 22 Treasurer. Before I begin I want to congratulate 23 you on your reelection. It seems like a long 24 time ago but it really was just a couple of weeks

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1 ago. Of course we are pleased and impressed by 2 3 your resounding victory and we look forward --TREASURER GOLDBERG: I worked my butt 4 off for that. 5 MR. TROTSKY: You did. I hope you got 6 7 some rest in the holiday season. 8 TREASURER GOLDBERG: Thank you. 9 MR. TROTSKY: Obviously we look 10 forward to working with you and your excellent 11 staff, many of whom are here today, in the next 12 four years. We are very, very grateful for all 13 the support you give us. It is really nice to 14 see that Massachusetts appreciates you, the 15 electorate appreciates you as much as we do here. 16 It's a resounding victory. 17 TREASURER GOLDBERG: Thank you very much. 18 19 (Applause) 20 MR. TROTSKY: You are welcome. 21 TREASURER GOLDBERG: Thank you very 22 much. 23 MR. TROTSKY: I also want to --24 TREASURER GOLDBERG: At least four

more years. You heard the "at least", right? 1 2 MR. TROTSKY: Yup. 3 I also want to acknowledge some committee 4 members and clients who are with us today. 5 Erica Glaster -- Erica, where are you? In the corner -- from the Teachers Retirement 6 7 System is here with us today. I am very pleased to introduce you all to 8 9 Frank Zecha, the Executive Director of the Brookline Retirement Board. I hope I don't 10 11 embarrass you by saying that it is a great honor 12 to have you back with PRIM. Five years ago you 13 decided to go in a different direction and you and the Board decided just very recently to come 14 15 back fully into PRIM. For me it is a great 16 personal victory and we are delighted to have 17 you. We are going to take great care of you and glad to see you here. So thank you very much. 18 19 MR. ZECHA: Chet Riley wanted to extend 20 his appreciation for joining the system and we 21 look forward to a good working relationship and 22 good returns. TREASURER GOLDBERG: Frank, you know 23 24 how to reach me, Frank.

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MR. TROTSKY: Patrick Brock is here 1 2 from Hampshire County Retirement System. I hope 3 your commute was okay today. Patrick is the 4 chairman of Hampshire County and also on our Admin and Audit Committee as well as the 5 6 Compensation Committee. 7 Next to him, Kevin Blanchette, the chairman of the Worcester Regional Retirement 8 9 Board. Also a founding member of the PRIM Advisory Council. Thank you for being here. 10 11 Nick Favorito, I thought I saw you. Next to Patrick. From the State Retirement Board. He 12 13 is the Executive Director. Mike DeVito, I think I saw you. Where 14 15 are you Mike? Mike from PERAC. Next to him, Tom 16 O'Donnell from PERAC. Thank you all for coming. Am I missing anybody? Thanks for being 17 here. 18 TREASURER GOLDBERG: If we could have 19 20 everyone introduce themselves. MR. TROTSKY: Yeah. 21 Before we move on to markets and 22 23 performance, a brief organizational update. We 24 are pleased to have four new full-time employees

1	to announce. First, Sarah Coelho. Sarah joined
2	us this month as a corporate accountant on the
3	finance team. She spent several years at Bulger
4	Partners as an accounting analyst and accounts
5	payable clerk and has a bachelors degree in
б	finance and accounting from Northeastern. So you
7	are off to a great start. I have come by your
8	desk and see you hard at work. She reports to
9	Dan Eckman and we are delighted to have you.
10	Next, Grace Gao joined PRIM in October as
11	an investment research analyst in the strategy
12	group reporting to Eric Nierenberg. Grace
13	recently received her masters degree in finance
14	from MIT Sloan School. She previously interned
15	at Baidu, Bain & Company and PwC. She earned her
16	bachelors degree in finance from Peking
17	University in China. I know that you are busy
18	working on our asset allocation plans and jumping
19	right into that. So thrilled to have you as
20	well.
21	Liu Liu. You here? Liu Liu joined PRIM

21 Liu Liu. You here? Liu Liu joined PRIM 22 in October on a permanent basis after 18 months as an intern working in Eric's strategy group. 23 24 Liu received her masters degree in finance from

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1	Brandeis International Business School where she
2	was one of Eric Nierenberg's star students. She
3	earned her bachelors degree in finance from
4	Shanghai Jiao University in China. We had a
5	great experience. We loved having you as an
6	intern and we are even more delighted to have you
7	on a full-time basis.
8	Many of you probably met Maureen Aquino
9	at the front desk. Maureen joined PRIM in August
10	as our new receptionist. She is delightful.
11	Please take a minute to meet her. And I love
12	this, her previous career was 20 years as an
13	office manager and receptionist for AIG in New
14	York. It is not often you get 20 year tenures in
15	this day and age. But she is a wonderful person
16	and great to have on board. Maureen earned a
17	bachelors degree from William Patterson
18	University. So say hello to her.
19	Then last, the strategy group under Eric
20	welcomed two new interns this fall. Anita Huang
21	is currently a graduate student of the Brandeis
22	International Business School. Eric has a great
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faculty there. She is majoring in economics and 24

pipeline of candidates by being a member of the

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1	finance And Chijie Chan nout to have recently
1	finance. And Shijia Chen next to her recently
2	received her masters degree in international
3	economics and finance from Johns Hopkins
4	University. We are delighted to have you for the
5	foreseeable future as interns.
б	Also of note, Christina Marcarelli who
7	you will hear from in a minute. She is an
8	investment officer on the real estate team. She
9	has received her CAIA designation. That stands
10	for Chartered Alternative Investment Analyst. It
11	is a curriculum designed to provide a broad
12	knowledge in alternative investments including
13	real estate, real assets, Hedge Funds, private
14	equity and other structured products. The
15	charter is two exams, two levels, and typically
16	it requires 12 to 18 months of study.
17	Congratulations to you. That's a great
18	accomplishment.
19	(Applause)
20	MR. TROTSKY: I said this before but
21	in keeping with her the real estate and
22	timberland group's history, she never told me she
23	was taking that exam and you may recall that I
24	only learned that Tim Schlitzer passed his CFA

exam, which is three years, three parts, only
after he passed. So never knew he was taking it.
MR. BROUSSEAU: Those real estate
people really are under the wire. Yes.
TREASURER GOLDBERG: They are merely
modest but highly competent.
MR. TROTSKY: Speaking of highly
competent, we are now 45 people strong here at
PRIM; two Ph.D.s, 10 masters degrees, one JD to
my right, Chris, 10 CFAs, 6 CPAs, two CAIAs now.
Bill Li is the other CAIA, right? 19 CFA
investment foundation graduates. So I put this
staff, and you see it every day, I put this staff
up against any in the industry.
Last I do want to mention that Andrew
Gromer, an investment analyst on the Public
Markets team, was appointed to chair the CFA
Society of Boston's Young Leaders Committee. As
chair he will organize events for the society's
new generation of investment professionals. The
CFA Society of Boston, Andrew is in the back of
the room Thank you. The CFA Society of
Boston is nearly 6,000 members and many of them
are young up-and-coming investment professionals.

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It is a great vibrant active community. I think 1 2 you will have a lot of fun. That will be 3 productive for not only you but for the industry 4 itself. So congratulations, Andrew. 5 Now turning to markets and PRIT performance. I want to remind everyone in the 6 7 room that nearly one third of our portfolio is now in alternative investments that price only 8 9 quarterly; that is in March, June, September and 10 December. We have September results that are 11 very complete that we will review with you in a 12 moment. But we don't really have a complete 13 accurate estimate of fourth quarter performance. 14 I will give you some inkling of what it might 15 look like in each asset class. I will provide 16 more details later in the agenda. 17 But let me please recap the year so far. It has been quite interesting. In the first 18 19 quarter the U.S. in developed equity markets were 20 quite weak but emerging markets were strong. 21 They were up slightly. They bucked a trend. So 22 a long time ago now. We are talking January 23 through March. In that quarter a 60/40 mix of 24 global stocks and bonds was actually down 1.3

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1	percent in Q1. But I am pleased to report the
2	PRIT Fund fared better and was up 0.6 percent in
3	that quarter. In Q2, the quarter ending in June,
4	stocks were strong in the U.S. but international
5	stocks sold off sharply and bonds were flat. In
6	Q2 a 60/40 mix of stocks and bonds was up
7	fractionally, up 0.3 percent. The PRIT Fund
8	again fared better and was up 1.1 percent.
9	Q3, the September quarter was a lot
10	stronger. U.S. stocks were up a resounding 7.7
11	percent. Developed international stocks up 1.4
12	percent in the September quarter. But emerging
13	stocks continued their slide and were down 1.1
14	percent in the September quarter. A 60/40 mix of
15	global stocks and bonds was up 2.6 percent in Q3
16	and, as we will review in a minute, the PRIT fund
17	did slightly better with a return of 2.8 percent
18	in the quarter. Putting all three quarters
19	together and for the calendar year through
20	September, a $60/40$ mix of stocks and bonds was up
21	only 1.7 percent in total. But the PRIT Fund was
22	up more strongly at 4.5 percent. We are pleased
23	with that.
24	We all know the fourth quarter has been

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1	weak. Volatility has returned. The volatility
2	index known as the VIX is something we track,
3	spiked to more than 23 in November after reaching
4	a low of 12 in September. The five-year average
5	for your information is 14.8. So well above
6	average. Almost twice.
7	October 2018 importantly was the third
8	worst month for the S&P 500 since the world
9	financial crisis with the S&P down 6.8 percent in
10	October alone. October 2018 importantly was the
11	worst month since September 2011 when the S&P was
12	down more than 7 percent. That was one month
13	before the U.S. debt downgrade. In that time
14	period we were concerned about a European debt
15	crisis. That was back in September of 2011.
16	The only other worse month was in May,
17	almost a year earlier, May 2010 when the S&P was
18	down 8 percent in the aftermath of the "Flash
19	Crash", if you remember, caused by the first
20	round of the European debt crisis.
21	In November, thus far through
22	yesterday yesterday was a great day that I
23	will talk about in a minute the S&P is up
24	approximately 1.4 percent. Developed

international markets are flat through the month 1 2 of November. Emerging markets are up almost 4 3 percent. 4 For the calendar year, the S&P is now, this is through yesterday, the S&P is actually up 5 6 4.4 percent. It is hard to keep track of this 7 because the markets are so volatile. The calendar year S&P is up 4.4 percent, developed 8 9 international markets are down a resounding 9.8 percent, emerging markets are down even more at 10 11 12.9 percent and bonds are down slightly at 2 12 percent. 13 It is interesting to note that the October 2018 downdraft, which was similar in 14 15 magnitude to the two other large downdrafts was 16 in part caused by another potential European debt 17 crisis. Undoubtedly you heard about the stand-off between Brussels (the EU) and Rome 18 19 concerning Italy's dire fiscal situation this 20 time around. It all only adds to the brew of 21 caution that we have identified last quarter and 22 in other quarters. 23

Remember at the last meeting we discussed 24 the risk in the market and we compared the

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current economic picture to the markets of mid-2014 through 2016 when we had another global economic slowdown that led to a correction back then in the world financial markets. We observed some very similar market characteristics today, namely: 1) a narrowing stock market in both periods; 2) liquidity issues that became difficult to secure U.S. dollars from outside the U.S. in 2015. We note that global funding conditions are very tight for dollar funding today, same as in 2015. 3) the economic situation today is vulnerable. We have been highlighting this for several quarters now but on the surface not much has changed, on the surface. U.S. GDP growth is growing at a 3.5% clip. The employment picture is bright. Wages are finally rising and so too is inflation. Until yesterday the U.S. Fed seemed intent on raising rates one more time this year in December and had penciled in three more rate

20 increases for next year. Three more. Yesterday 21 Chairman Powell indicated that the interest 22 23 rates, are near the neutral level, meaning current rates are neither stimulative nor 24

1	restrictive. We interpret that as meaning the
2	three rate hikes penciled in for 2019 may not
3	occur. The markets took off yesterday as markets
4	typically react, at least in the short term, to
5	signs that the Fed will be more accommodating.
6	But what underlies this apparent change
7	in policy? Does it mean that the Fed is now
8	worried about future growth? Interesting
9	questions.
10	At the investment committee we explored
11	the past four major market corrections in 2000
12	and we noted that all occurred with an economic
13	slowdown or even a contraction. We highlighted
14	some visible signs that global growth is slowing.
15	While the U.S. is posting solid GDP gains, like
16	the 3.5 percent I just mentioned, Europe, China
17	and Japan are slowing. Even in the U.S.
18	manufacturing is weakening. A good economy has
19	twice the manufacturing production increase that
20	was posted in September, which was a 0.2 percent
21	monthly gain. With energy so weak it will be
22	difficult to achieve any significant increase in
23	manufacturing production in the near term.
24	GM shutting five plants and laying off

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1	14,000 workers is also not a great sign. Housing
2	is weak. Consumer confidence is eroding from an
3	18-year high, industrial material prices are
4	weak. As I mentioned before, global liquidity is
5	tight.
6	There was vulnerability in the global
7	economy that we discussed, before there were
8	tariffs. Tariffs and trade escalations are an
9	additional negative for global growth. We will
10	learn more about that this weekend when President
11	Trump meets Premier Xi in Argentina, I believe.
12	It is widely expected, furthermore, that
13	corporate earnings growth in the coming quarters
14	will slow from the forward pace 20 percent or
15	more in Q2 and Q3.
16	And last, most believe that a change in
17	the control of the U.S. House of Representatives
18	because of the midterm elections is not, I repeat
19	not, likely to impact or restrain the
20	administration's protectionist trade policies.
21	It seems increasingly likely that we will have
22	two years of political gridlock before the next
23	general election. This is never great for
24	markets. President Trump warns of a "war-like"

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atmosphere in Washington. Pundits generally have 1 reduced the odds of enacting bipartisan fiscal 2 3 stimulus like (infrastructure spending, for 4 example) and increased the odds of having a prolonged government shutdown. You are hearing 5 about some of that this week. 6 7 Now don't despair, I know all of this sounds very dire and it is concerning. But we do 8 9 believe that the fund is appropriately positioned for a weakness in global equity markets. Our 10 11 main focus, as you all know, during the past several years has been to reduce our global 12 equity exposure while identifying, diversifying 13 14 assets primarily in our portfolio completion 15 strategies. 16 It is important to note, however, that 17 the PRIT fund is not completely immune to global equity downturns, since to achieve our long-term 18

19 target rate of return of more than 7.3 percent, it is actually 7.35 percent, our fund is 20 21 necessarily growth and equity focused.

We do believe that the market turbulence 22 23 thus far in Q4 should be expected for this stage 24 of the economic cycle and in fact, as you know,

we have been preparing for it. Remember, we have 1 2 enjoyed a 10-year bull market since the world 3 financial crisis with the S&P up approximately 4 300 percent in that timeframe. Of course we have done very well in that timeframe. 5 Now, I will just briefly go through your 6 7 performance slides. Please turn to page 1 in Appendix B. You can see the September quarter 8 9 was strong. I won't dwell on this. Private equity, private debt, and U.S. equities were all 10 11 strong in the September quarter, while emerging markets equities and bonds were weak. As I 12 13 mentioned before, a 60/40 mix in the September 14 quarter was up 2.6 percent while the PRIT fund 15 was up 2.8 percent. 16 Next page, on page 2, it is a one-year 17 period. It is September for the one-year period and we were up 8.7 percent. That compares to a 18 19 60/40 mix up 5.4 percent. The picture is pretty much the same; private equity, U.S. large cap 20 21 equities, and SMID cap equities on the left, very strong. Interest-rate sensitive asset classes on 22 23 the right, weaker. 24 Page 3. For the one-year period the PRIT

fund is up 8.7 percent gross. Outperforming the 1 2 benchmark by 182 basis points gross and 136 basis 3 points net. This equates to an investment gain 4 of \$5.7 billion net of all fees and 944 million above benchmark, net of all fees. Net outflows 5 to pay benefits, because we do pay benefits from 6 7 this pool of assets, were 1.3 billion in the trailing one-year period. 8 9 I might also note that the 3- and 5-year performance is very strong and well above the 10 11 actual rate of return; the 3-year number, 10.8 percent, 5-year number, 8.8 percent. I want to 12 13 highlight the 10-year number now up 7.9 percent. Last time we met we talked about this number, the 14 15 number was 6.3 percent. We are dropping off some 16 very poor performance from 2008, so our results 17 look better. Now you can see for all time periods 1, 3, 5 and 10 years we were comfortably 18 19 above the required rate of return. 20 Page 4. I'm sorry. Yeah, page 4, you

21 can see what did well and what didn't. For the 22 one-year period, private equity really led the 23 way. You will hear more about that in a second 24 from Mike Bailey. All major asset classes

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1	outperformed their benchmarks. We don't have a
2	one-year benchmark for private equity because it
3	is a long timeframe investment type. We
4	benchmark that against itself for a one-year
5	period but you can still see versus global
6	equities even for the one-year period, a huge
7	out-performance.
8	This picture looks very strong. Private
9	equity real estate, which you will hear about in
10	a minute, was a strong contributor to performance
11	and global equities also were very strong.
12	On the right, the interest sensitive
13	asset classes are weaker. When interest rates go
14	up, prices go down. That's the inverse
15	relationship.
16	So I will stop it there. I know we want
17	to hear from the major asset class heads but I
18	will take any questions you might have before we
19	proceed with the rest of the agenda.
20	TREASURER GOLDBERG: Any questions for
21	Michael?
22	MR. BROUSSEAU: Just like to make a
23	comment. I do this every time because I know
24	that our rate of return, 7.3 percent. If you

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look at Appendix C, which is the BNY Mellon 1 2 report, you look at page 3, bottom line. I would 3 say since inception PRIM has annualized a return 4 of 9.53 percent. That's over 200 basis points above our actuarial rate right now of 7.35. You 5 6 look at the 10-year, 7.86; 5-year, 8.75; 3-year, 7 10.78; the 1-year, 8.64. I know there are a lot of things that go into the -- in setting this 8 9 actuarial rate of return. I would hope that other people -- I know they look at many, many 10 11 issues and realize that this fund has done an 12 extraordinary job since inception in 1984 when we 13 have had annualized returns of 9.53 percent. 14 TREASURER GOLDBERG: So, Bob, you do 15 realize that we will be relooking at that rate of 16 return. MR. BROUSSEAU: I know that. 17 18 TREASURER GOLDBERG: January when the 19 report comes out. 20 MR. BROUSSEAU: They like to drive it 21 into the cellar so we have to invest totally in bonds. I think it is fixed. 22 TREASURER GOLDBERG: Well, we won't 23 24 qo --

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MR. HEARTY: That would make things 1 2 easier. 3 MR. BROUSSEAU: For you. 4 TREASURER GOLDBERG: Before we continue, I am going to read the remote 5 6 participation script, since Peter is on the 7 phone. The PRIM board is adopting the provision 8 9 of the Massachusetts Open Meeting Law that permits remote participation in meetings by a 10 11 member if physical attendance would be unreasonably difficult, as is the case today with 12 13 Peter Monaco who accordingly will participate in today's meeting remotely by telephone. That does 14 15 require that all votes are by rollcall. So I 16 wanted to give everybody a heads up on that. But 17 I am really good at doing that quickly. Bob, Jim, Ruth Ellen, Dennis, Carly. Yes, yes, yes, 18 19 yes, yes. Okay. And myself. I won't forget 20 myself. 21 I needed to announce that. 22 Any other questions for Michael? The 23 next item on the agenda is public markets. All 24 right.

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What we will do is we will begin with 1 2 real estate. Tim and also, will you be joining 3 him (indicating)? Very good. Christina. 4 (Pause) 5 MR. SCHLITZER: Nice to be with you 6 this morning. We have several recommendations 7 today representing a significant allocation of capital. Materials will be found on, starting on 8 9 page 24 of the expanded agenda. Sorry. A minute too late there. Appendices C through H as well. 10 11 I will start with a very brief performance update, then we are going to hand it 12 13 over to Christina to do the recommendations. Portfolio and performance information 14 15 specifically is in Appendices C and D. Let me 16 start with real estate, which was valued at 6.4 17 billion or 8.7 percent of the fund at quarter end, September 30. This equates to a dollar 18 19 underweight of the midway point of 964 million. 20 We continue to be very particular about 21 acquisitions in this environment when working 22 with our separate account managers. Valuations 23 are elevated, as I talked about. There is no 24 sign that fundamentals have crested but we are

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very cognizant of the environment we are in. You 1 know, everything Michael discussed. 2 3 Christina is going to be talking about 4 large allocations. I mentioned three new managers. We think that's also going to increase 5 the number of irons in the fire, so to speak, 6 7 that we have on the sourcing side. Lastly, related to allocation, I will 8 9 note I do expect we will be net acquirers of real estate this year. You know, that really combined 10 11 with some denominator impact is going to increase 12 the real estate percentage by year end. 13 So a little bit more detail, total 14 acquisitions are expected to end up at 740 million for the year, really across the board in 15 16 terms of property types and geographies. Sales will come in at 408 million in four different 17 assets being sold. Again, just to reiterate, we 18 19 think that the dispositions will result in attractive returns but really the goal here is to 20 21 sell properties that we do not want to hold for 22 the next 10 years as we expect to go through at 23 least some bumpiness over the next couple of 24 years.

Lastly, touching on real estate 1 2 performance, total real estate return, 9.5 3 percent for the prior year. That's 281 basis 4 points higher than the asset class benchmark. Our capital structure, so meaning our portfolio 5 level real estate debt, has been very accretive, 6 7 adding 290 basis points to the private core real estate return. I will note that the REIT 8 9 portfolio returned 5.1 percent. That's 67 basis points above benchmark over the last year. Then 10 11 more recently, REITs have actually faired fairly well during the current quarter, roughly flat 12 13 versus the U.S. and global equity market, which 14 has obviously been more turbulent. Just moving over to Timberland, which is 15 16 valued at 2.6 billion or 3.6 percent of the PRIT 17 fund, which is a dollar underweight to the midpoint of approximately 320 million. We expect 18 19 to end the year with two acquisitions closed for approximately \$490 million. One is a large 20 acquisition which I mentioned, in New Zealand, 21 but I did just want to confirm that that did 22 23 close in September. So we were pleased to get 24 through that. We think that's going to be a

great addition to the portfolio. The other 1 investment is a fairly significant U.S.-based 2 3 investment being done by one of our current 4 managers. 5 We will be selling nothing for the year 6 in timberland. Our managers are always selling 7 small tracts of land but we won't have dispositions at the property level. 8 9 In terms of performance total: Timberland returned 6.8 percent for the past 10 11 year, that's 328 basis points above benchmark. Much of that out-performance was driven by the 12 13 Australian and New Zealand investment as well as 14 continuing strong price growth in the Pacific 15 Northwest where we are overweight at about 40 16 percent of our portfolio versus the index of about 29 percent. 17 So I am going to leave my formal comments 18 19 there. I am happy to answer any questions. 20 TREASURER GOLDBERG: I apologize that 21 I wasn't here last Wednesday. We had a conflict but the weather variations and forest fires, are 22 23 they impacting any of the properties that we hold? 24

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1	MR. SCHLITZER: They are not. We have
2	certainly been asking that question. Pacific
3	Northwest for the most part really has not been
4	impacted. There are no investments in
5	California.
б	MR. BROUSSEAU: I may ask that same
7	question of Eric since we have some exposure
8	under the reinsurance issues and investments.
9	That will be one of my questions, so you will
10	know when it comes.
11	TREASURER GOLDBERG: Well, you just
12	told him.
13	MR. BROUSSEAU: Well. Earth, fire and
14	earthquake. You know?
15	MS. GOLDBERG: I am focused totally on
16	aggregate.
17	MR. SCHLITZER: It just occurred to me
18	I misspoke. This is not insignificant but I was
19	thinking of wildfires. I think it is certainly
20	notable that we were impacted by the recent
21	hurricane in Florida.
22	TREASURER GOLDBERG: That's what, like
23	I said, weather and fires.
24	MR. SCHLITZER: Right.

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TREASURER GOLDBERG: We have a Florida 1 2 holding that was impacted. 3 MR. SCHLITZER: Right in the 4 panhandle. A hurricane did go right through the 5 middle of it. This will be an impact of tens of 6 7 millions of dollars. I wouldn't say that that is material necessarily at the fund level but it is 8 9 certainly material. 10 TREASURER GOLDBERG: Thank you very 11 much. 12 MR. SCHLITZER: Thank you for the 13 question. 14 TREASURER GOLDBERG: Any other 15 questions? 16 MR. NAUGHTON: I have a question. 17 That which was lost in the panhandle, do we carry insurance on that? I don't mean to be funny. 18 19 Any kind of payback? 20 MR. SCHLITZER: Very little. That is 21 the way that timber assets are run and insured. 22 There is some insurance but it is really cost 23 prohibitive, especially in this location, which 24 is a very institutional location in the panhandle

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1	of Florida relatively close to the coast.
2	MR. NAUGHTON: Thank you.
3	MR. SCHLITZER: Sure.
4	TREASURER GOLDBERG: Any other
5	questions?
6	(Pause)
7	TREASURER GOLDBERG: Moving on to your
8	recommendations.
9	MR. SCHLITZER: I am going to hand it
10	over to Christina.
11	MS. MARCARELLI: Good to see everyone
12	today. I will be starting with Appendix E in the
13	materials. PRIM staff is seeking approval to
14	engage three new private real estate separate
15	account managers. The three managers are CBRE
16	Global Investors, Stockbridge Core and Value
17	Advisors and DivcoWest.
18	The total allocation being recommended
19	for each manager is 400 million to CBRE, 400
20	million to Stockbridge, and 200 million to
21	DivcoWest for a total allocation of about a
22	billion dollars.
23	These allocations can be adjusted as
24	necessary depending on deal flow, overall market

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characteristics, and needs of our particular 1 2 portfolio. 3 To give a brief background on the process 4 that we ran, we issued the RFP for private real estate investment management services on March 5 5 6 of this year with a response deadline of April

13. We received 16 responses by the deadline. 7 It was a rigorous process overall that included 8 9 both quantitative and qualitative analysis of each of these respondents. Of the 16 responses 10 11 received, nine firms were eliminated for various 12 reasons including performance, track record, etc.

13 Seven finalists were selected and inperson interviews were conducted here in June. 14 15 After the interview process was completed the search committee selected three finalists to move 16 17 forward in the process. Those three groups are the three being recommended today, CBRE, 18

19 Stockbridge, and Divco.

PRIM conducted on-site due diligence for 20 21 each of these three managers in July which were 22 very successful overall.

23 I will provide a brief description of 24 each of those proposed managers and our rationale

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1	for selecting them:
2	CBRE Global Investors is the investment
3	management arm of the CBRE Group, which is the
4	largest full service real estate firm in the
5	world.
6	In this capacity, CBRE Global Investors
7	has unique access to market information drawing
8	from a broader global platform. They have a
9	strong research platform, they have a strong
10	track record of out-performance relative to the
11	NCREIF Property Index across most time periods.
12	Their proposed strategy on behalf of PRIM
13	will be similar to our existing separate account
14	managers. They will focus on core real estate
15	assets diversified across the four major property
16	types which are: apartment, office, industrial,
17	and retail.
18	They will focus on target markets with
19	strong absolute and risk-adjusted returns. They
20	will have the ability to invest in non-core
21	assets where appropriate.
22	The second group is Stockbridge. They
23	are a privately held firm focusing exclusively on
24	managing core and value added real estate

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1	investment on behalf of institutional investors.
2	The firm was established in 2009 by a senior team
3	of real estate professionals. Since that time
4	they have had a strong track record, particularly
5	in core; have been able to consistently
6	outperform the NPI benchmark since inception.
7	They are a smaller firm, they have about
8	\$7 billion under management, which is a bit
9	smaller than our existing managers and relative
10	to CBRE as well. Which we view as a good thing.
11	Their strategy will also be diversified
12	across geography and property type and will
13	predominantly be core with the ability to invest
14	in non-core, where appropriate.
15	The final firm is DivcoWest. Some of you
16	are probably very familiar with that name. We
17	have had a relationship with Divco that dates
18	back to 2011. We have invested in three of their
19	opportunistic funds as well as a co-investment in
20	a Cambridge office asset and a joint venture in
21	San Francisco office asset. All of these
22	investments have performed extremely well.
23	We view Divco as more of a niche
24	investment manager. They predominantly focus on

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1	non-core office investing. This particular
2	strategy will be core-plus, which are typically
3	assets that have good in-place cash flow but with
4	a little work to do with vacancy that needs to be
5	leased up or some upcoming lease maturities that
6	need to be dealt with. As we have seen from our
7	experience, this is where they excel.
8	They will initially focus on office but
9	they will have latitude to invest in non-office
10	assets, where appropriate.
11	Each of these firms is unique in terms of
12	size, their platform, their strategy and have
13	demonstrated their ability to outperform. They
14	also have significant experience owning and
15	operating real estate on behalf of institutional
16	clients. We feel that all three groups will be
17	additive to PRIM's portfolio overall and will
18	create additional deal flow.
19	As Tim alluded to in his comments, we are
20	at a point in the cycle where it is a bit
21	challenging to find interesting deals at the
22	right price. We need to remain disciplined,
23	which we will. It is good to have additional
24	groups out there sourcing deals on our behalf.

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1	We are excited for that.
2	With that, I am happy to answer questions
3	on any of these groups or the process in general.
4	TREASURER GOLDBERG: I am going to
5	seek a motion and a second and ask for any
6	questions. I also would like to recognize Local
7	11, who is just going to make a quick comment to
8	the group.
9	I would seek a motion that the PRIM Board
10	approve the real estate and timberland
11	committee's recommendation to approve the
12	selection, subject to the successful contract
13	negotiations, at CBRE Global Investors,
14	Stockbridge Real Estate and DivcoWest to provide
15	private real estate investment management
16	services to PRIM for a combined allocation of up
17	to 1 billion as described in the Appendices E and
18	F of the expanded agenda and further to authorize
19	the Executive Director to take all actions
20	necessary to effectuate this vote.
21	Is there a motion?
22	MR. BROUSSEAU: So moved.
23	TREASURER GOLDBERG: Second?
24	MS. FITCH: Second.

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TREASURER GOLDBERG: Okay then. 1 2 Questions on the part of the Board? 3 MS. FITCH: What's a term of the 4 contract? How are they --5 MS. MARCARELLI: They are going to be open-ended, similar to our existing managers. We 6 7 will expect all of these accounts to ramp up over time. All of our existing managers that we had 8 9 long-term relationships with started out rather small and then got larger as time went on. 10 11 MR. SCHLITZER: We can terminate at 12 any time. PRIM owns the assets outright in 13 separate accounts. 14 TREASURER GOLDBERG: Any other 15 questions? 16 Jordan, are you going to speak on behalf 17 of Local 11? 18 MR. FEIN: I just wanted to introduce other folks. I won't take a lot of Board time. 19 20 I appreciate you all giving us the opportunity to raise issues with CBRE. 21 I am Jordan Fein with Local 11 22 23 representing 30,000 service working members in southern California and Arizona. 24

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MR. NELSON: I am Jeff Nelson. I am 1 2 with United here in Boston, Local 26. 3 MARTA: My name is Marta. I am an 4 employee from Irvine Marriott-Orange County working there for two years. 5 MR. FEIN: I just wanted to take a few 6 7 quick minutes regarding CBRE Global Investors. Marta is here because there is a labor dispute 8 9 going on at the Irvine Marriott in Southern California and also the San Francisco Bay Hotel 10 11 where CBRE has been unable to reach a labor peace 12 agreement in those properties. All they are 13 asking for is the ability to speak about decisions at those hotels without being 14 15 threatened and harassed by management. 16 So we were aware that Mass. PRIM is not invested in those hotels and that the mandate 17 that you are considering today is regarding core 18 19 and potentially non-core assets, likely not 20 hotels but it is the same management team that 21 has commingled funds and that would do your separate account. It is real estate assets which 22 23 are driven by workers at those assets, so janitors, security workers, other folks who work 24

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in the industrial assets. Our experience with CBRE has been that they have been unable to manage the labor disputes at their properties. Rather than managing that dispute they are trying to sell the hotels. So I provided board members with a report that illustrates that labor peace is good for business so when you solve a labor dispute you are able to sell assets and generate good returns, whereas if there is a dispute in place, it is harder to sell assets. We just wanted to bring these concerns to the Board. Also note that Townsend Consulting serves as the consultant for other funds and partners and should have been aware of these issues and their potential impact on PRIM. So, you know, we were asking for the Board to ask CBRE what it has done with the operators of those hotels, Marriott and RHER, to resolve the dispute for the investors and how it would plan to mitigate the rest of a potential labor dispute should it occur at assets that CBRE purchases on behalf of PRIM. Whether they are retail, industrial, office, or other real estate

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1 assets. 2 I appreciate you taking the time to hear 3 from us. I know it is not on the agenda. Thank 4 you. 5 TREASURER GOLDBERG: Thank you. 6 MARTA: I just want to add something. 7 As an employee in the banquet department we have been suffering a lot of abuse in our hotel. So 8 9 this happens, our tips, we don't know where they go. It is harassment. A lot of, you know, 10 11 seniority been stolen too. We want to, you know, 12 the Union to get somebody who can defend us. We 13 are totally alone right now. We try to get this at peace and happy for our better future. 14 15 Thank you everybody. 16 TREASURER GOLDBERG: We totally 17 understand that. 18 MARTA: Thank you. 19 TREASURER GOLDBERG: So thank you all 20 for coming today. Just to share with the Board, that I have had, first of all, I have very 21 positive working relationship with Local 26. I 22 23 had a very good conversation with the Local 11 folks earlier today. I explained exactly how we 24

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1	will be working with CBRE as we move forward and
2	that in many of just to share with all of you,
3	because it is not something we typically discuss
4	here at the table, for example, our project in
5	Cambridge is a union shop. This building here is
6	unionized. We look very carefully at every
7	single building or project that is brought to us,
8	whether it is in real estate or not real estate.
9	We look at things such as potential labor unrest
10	or as one of the items as we look at total deals.
11	So I thank you all for traveling here
12	today. I hope that I wish you well on your
13	efforts in California and I thank you for
14	bringing this to our attention.
15	Are there any other comments or questions
16	from members of the Board?
17	MR. BROUSSEAU: A question through
18	you, Madam Chairman. When you went through this
19	process, were you aware of these issues that have
20	been raised by representatives of the Union up
21	there? Particularly I get concerned when I see
22	on one of the documents the sexual harassment
23	charges against CBRE that are currently
24	TREASURER GOLDBERG: No. It is not

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1 sexual. 2 MR. BROUSSEAU: On materials here of 3 sexual harassment at CBRE. My concern was, is 4 Tim aware of these issues? 5 MR. SCHLITZER: Speaking for myself. I know that some of this information is in what 6 7 we provided to you. This is related to one single asset owned by a vehicle that PRIM is not 8 9 an investor in. CBRE has 80,000 employees. MR. BROUSSEAU: PRIM is not? We are 10 11 not invested in that? 12 MR. SCHLITZER: No. No. The second issue that you mentioned, we 13 14 were not aware of. 15 MR. BROUSSEAU: Okay. 16 MR. NAUGHTON: That's an issue that you 17 guys would always consider as part of investigating any property you acquire? 18 19 MR. SCHLITZER: In terms of union? 20 TREASURER GOLDBERG: And/or any 21 allegations of sexual harassment. 22 MR. SCHLITZER: Yes, of course. Yes. 23 Yes, we would. You know, there is -- I don't 24 know if our consultant might want to comment on

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this but there is a very rigorous operational due 1 diligence process that goes on that I think might 2 3 cover some of these issues as well. 4 That being said, as I just said, we were not aware of the specific issues but this is a 5 6 company that owns hundreds, probably thousands of 7 assets. The question was MR. NAUGHTON: 8 9 focused on things we might acquire. 10 MR. SCHLITZER: Certainly within a 11 separate account. When we look at a new 12 investment we are looking very specifically at 13 the management of the property and how that is going to work and whether it will be organized 14 15 labor or not and who is going to be doing what. 16 Hopefully that's answering the question. 17 MR. NAUGHTON: Yes. TREASURER GOLDBERG: Is your hand up? 18 19 Any other questions? So with that, we 20 have a motion, we have a second. This is a 21 rollcall vote. The only final -- before we do that. 22 The 23 final comment I want to make is that when we do, 24 when they bring us a deal and we do our due

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1	diligence, there are an array of things both
2	technical and if you want to call it art or other
3	issues for a project, we look at all risks and
4	considering as the environment evolves,
5	particularly since the entire Me Too Movement, we
6	would be looking at lawsuits. We are
7	experiencing it right now with the Wynn/Encore
8	project. We are well aware of that.
9	MR. TROTSKY: We are not invested in
10	that, just for the record.
11	TREASURER GOLDBERG: No, no, no.
12	Everybody knows that.
13	MR. BROUSSEAU: We don't do gambling.
14	TREASURER GOLDBERG: I want to point
15	out that we don't invest in hotels. So that, I
16	want to make that point also. When I mentioned
17	that I said "we in Massachusetts are aware".
18	MR. TROTSKY: Thank you for the
19	clarification.
20	TREASURER GOLDBERG: That has created
21	a lot of uncertainty for the city of Everett, for
22	Massachusetts and I am saying there is a
23	public consciousness for how these things can
24	impact investments.

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With that, we have a motion. We have a 1 2 second. This is a rollcall vote. 3 MR. BROUSSEAU: Yes. 4 TREASURER GOLDBERG: Dennis? 5 MR. NAUGHTON: Yes. TREASURER GOLDBERG: Carly? 6 7 MS. ROSE: Yes. TREASURER GOLDBERG: Peter? Peter? 8 9 MR. MONACO: I am here. Yup. 10 TREASURER GOLDBERG: And myself. The 11 motion carries. Thank you very much. 12 (Motion carried) 13 TREASURER GOLDBERG: We have a couple 14 more voting items. 15 MS. MARCARELLI: We do. The second 16 item is in Appendix G. The PRIM staff is 17 recommending engaging Altus Group for a 3-year term providing annual appraisal services for each 18 19 of PRIM's privately owned real estate assets. 20 The engagement would commence January 1 of 2019 and end December 31 of 2021. 21 22 The RFP was issued in July. It is a 23 fairly routine RFP process that we do every three 24 years. PRIM received seven responses and

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interviewed three of those firms. The committee 1 2 determined Altus to be the most qualified. Altus 3 is the incumbent service provider for PRIM and 4 has been engaged since 2013 for two three-year This would be their third consecutive 5 terms. three-year term. Over that timeframe Altus has 6 7 provided PRIM with high-quality timely appraisal reports and has demonstrated knowledge of PRIM's 8 9 assets and the various markets where PRIM's 10 assets are located. They are one of the largest 11 appraisal services firms in the world. They also demonstrated significant investment in technology 12 13 which sets them apart from other firms that we reviewed. 14 15 So with that, happy to take any questions 16 on this recommendation. 17 TREASURER GOLDBERG: All right. Ι would seek a motion that the PRIM Board approve 18 the real estate and timberland committee's 19 20 recommendation to approve the selection subject 21 to successful contract negotiations of Altus 22 Group to provide real estate appraisal services 23 to PRIM as described in Appendices C -- excuse me 24 -- G and H of the expanded agenda and further to

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authorize the executive director to take all 1 actions necessary to effectuate this vote. Is 2 3 there a motion? 4 MR. BROUSSEAU: So moved. 5 TREASURER GOLDBERG: Is there a 6 second? 7 MR. NAUGHTON: Second. 8 TREASURER GOLDBERG: Questions or 9 comment of Christina? Hearing none, this is a rollcall vote. 10 11 Bob? 12 MR. BROUSSEAU: Yes. 13 TREASURER GOLDBERG: Jim? 14 MR. HEARTY: Yes. 15 TREASURER GOLDBERG: Ruth Ellen? 16 MS. FITCH: Yes. 17 TREASURER GOLDBERG: Dennis? 18 MR. NAUGHTON: Yes. 19 TREASURER GOLDBERG: Carly? MS. ROSE: Yes. 20 21 TREASURER GOLDBERG: Peter? 22 MR. MONACO: Yes. 23 TREASURER GOLDBERG: Myself. Yes. 24 The motion carries. Hearing none opposed, all

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1	set.
2	(Motion carried).
3	TREASURER GOLDBERG: Okay. Next?
4	MS. MARCARELLI: The final
5	recommendation today relates to J.P. Morgan, one
6	of our existing separate account managers. PRIM
7	staff is recommending the termination of J.P.
8	Morgan. As discussed in our earlier
9	recommendation a few moments ago, PRIM ran an RFP
10	search this year to bring on additional private
11	real estate investment managers.
12	We feel it is the right time to make
13	changes to our roster of real estate advisors and
14	bring on new very talented managers. Currently
15	J.P. Morgan has approximately \$800 million under
16	management on behalf of PRIM, which consists of
17	ten assets in total.
18	PRIM staff recommends that nine of these
19	assets be transferred to Invesco who is an
20	existing account manager, with the remaining
21	asset transferred to PRIT Core Realty as an
22	internally managed asset.
23	Invesco is PRIM's smallest separate
24	account manager currently with just over a

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1	billion dollars under management. They are also
2	one of PRIM's top performing managers,
3	outperforming across most time periods.
4	Invesco has a large platform nationally
5	with experience managing assets of this type and
6	across markets. We feel that they are very
7	equipped to manage these assets on behalf of us.
8	The final asset managed by J.P. Morgan is
9	a minority 13 percent interest in 125 High Street
10	in Boston, which many of you may be familiar
11	with. It is the asset that sits on High Street
12	between Oliver and Pearl streets.
13	We are recommending a transfer of this
13 14	
	We are recommending a transfer of this
14	We are recommending a transfer of this asset to PRIM's internally managed portfolio.
14 15	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is
14 15 16	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is Tishman Speyer who currently has a 25 percent
14 15 16 17	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is Tishman Speyer who currently has a 25 percent ownership interest. Tishman is an institutional
14 15 16 17 18	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is Tishman Speyer who currently has a 25 percent ownership interest. Tishman is an institutional quality operating partner with numerous offices
14 15 16 17 18 19	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is Tishman Speyer who currently has a 25 percent ownership interest. Tishman is an institutional quality operating partner with numerous offices throughout the world. Tishman currently oversees
14 15 16 17 18 19 20	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is Tishman Speyer who currently has a 25 percent ownership interest. Tishman is an institutional quality operating partner with numerous offices throughout the world. Tishman currently oversees all aspects of property management, leasing,
14 15 16 17 18 19 20 21	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is Tishman Speyer who currently has a 25 percent ownership interest. Tishman is an institutional quality operating partner with numerous offices throughout the world. Tishman currently oversees all aspects of property management, leasing, operations of the property and J.P. Morgan's role
14 15 16 17 18 19 20 21 22	We are recommending a transfer of this asset to PRIM's internally managed portfolio. The general partner and operator of this asset is Tishman Speyer who currently has a 25 percent ownership interest. Tishman is an institutional quality operating partner with numerous offices throughout the world. Tishman currently oversees all aspects of property management, leasing, operations of the property and J.P. Morgan's role is limited due to the ownership structure of the

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behalf. 1 2 So transferring this asset to PRIM's 3 internally managed portfolio we will eliminate 4 that asset management fee, which is about \$200,000 per year. We already engaged with 5 Tishman directly and will continue to increase 6 7 our dialogue with them as we move forward. We also engaged Harvest Capital, one of 8 9 PRIM's project advisors to help us through this 10 transition. I am happy to answer any questions 11 either on the termination or the transfer of the J.P. Morgan assets. 12 13 TREASURER GOLDBERG: So why don't I do the motion and the second, then we can do the 14 15 questions. 16 Move forward wit the approval of the 17 termination of J.P. Morgan, that the PRIM Board approve the real estate and timberland 18 committee's recommendation to terminate the J.P. 19 20 Morgan core real estate mandate and transfer nine 21 of the J.P. Morgan managed assets to Invesco an 22 existing separate account manager with the 23 remaining asset, 125 High Street, being 24 transferred to PRIT Core Realty, LLC as an

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addition to PRIM's internally managed platform 1 and further to authorize the executive director 2 3 to take all actions necessary to effectuate this vote. Is there a motion? 4 5 MR. BROUSSEAU: So moved. 6 TREASURER GOLDMAN: Second? 7 MS. FITCH: Second. TREASURER GOLDBERG: Go ahead. 8 9 MR. NAUGHTON: That's very good. We 10 are going to save money on fees by it being 11 brought in-house. 12 How about the other nine being 13 transferred? Any savings there or increase of fees? 14 15 MS. MARCARELLI: Not particularly. It 16 will be pretty much the same. It will be 17 transferred over at market value and we'll be paying a blended asset management fee which 18 19 Invesco's fee structure is similar to J.P. 20 Morgan's. 21 MR. NAUGHTON: Pretty much a wash? 22 MS. MARCARELLI: It is. 23 TREASURER GOLDBERG: Any other 24 questions? Hearing none, we have a motion. We

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1	have a second. Bob?
2	MR. BROUSSEAU: Yes.
3	TREASURER GOLDBERG: Jim?
4	MR. HEARTY: Yes.
5	TREASURER GOLDBERG: Ruth Ellen?
6	MS. FITCH: Yes.
7	TREASURER GOLDBERG: Dennis?
8	MR. NAUGHTON: Yes.
9	TREASURER GOLDBERG: Carly?
10	MS. ROSE: Yes.
11	TREASURER GOLDBERG: Peter?
12	MR. MONACO: Yes.
13	TREASURER GOLDBERG: Myself, yes.
14	Unanimous vote. Thank you.
15	That's it for real estate.
16	MS. MARCARELLI: Thank you very much.
17	TREASURER GOLDBERG: Thank you very
18	much.
19	Public markets. Leaving pages 24 and 25.
20	We are going backwards.
21	MR. GURTZ: Good morning. Go to
22	Appendix B.
23	TREASURER GOLDBERG: I am trying to
24	keep you all on your toes.

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(Pause) MR. GURTZ: For the one year, ended September 30, 2018, equities performed well generating a nine percent return net of fees. U.S. equities continue the trend of outperforming international and emerging market equities. U.S. equities have outperformed, as Michael mentioned earlier, international and emerging this past year but also outperformed international and emerging markets over the last 3, 5, and 10 year periods. We have seen a diversion between the U.S. and the rest of the world over the last year. Historically the correlations between the U.S. and non-U.S. have been high. The correlation averages about .8. However, in the past year this correlation has dropped. Historically these sharp drops in correlations are short lived. That's something we are going to be watching. As you can see on page 7, the S&P 500 posted a very strong one-year return, returning 18.3 percent. However, in October the S&P 500

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trailing 12 months, growth significantly

was down 7 percent. Within small caps for the

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1	outperformed value by approximately 14 percent.
2	Our small SMID cap managers outperformed their
3	benchmarks by 1.9 percent net of fees, which
4	includes the passive allocations which is about
5	60 percent of the portfolio. The active managers
6	did proportionally better. We have one of our
7	small cap managers, it is a growth manager, that
8	outperformed the benchmark by 13 percent net of
9	fees over the one-year period.
10	However, in October the markets were
11	down, the Russell 2500 was down a little over 10
12	percent. International equities returned 3.4
13	percent net of fees for the one-year period,
14	outperforming the benchmark by 29 basis points
15	net of fees. For the year Germany was the
16	weakest large market and was down a total of 5
17	percent. Italy was down nearly 9 percent.
18	In October international equities were
19	down 8 percent.
20	In emerging markets the portfolio
21	returned a $-1.8$ percent net of fees and slightly
22	underperformed the benchmark net of fees. China
23	represents 31 percent of that benchmark and was
24	down 2.2 percent for the year. However, Turkey,

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1	a very small component of the index, was the
2	worst performing country, was down 42 percent in
3	the year.
4	October again continued the trend of
5	negative performance. October in emerging
6	markets was down 8.7 percent.
7	Turning to page 8, core fixed income
8	posted slightly negative returns for the trailing
9	year thanks in part to four interest rate hikes
10	over this one-year period. The 10-year treasury
11	yield rose to its highest level since 2011.
12	Starting on the left and in the middle
13	there, bank loans up 5.2 percent net of fees and
14	inflation linked bonds in the middle of that
15	page, up 1.3 percent net of fees, continued to
16	perform well. These two allocations were
17	increased as part of our 2017 asset allocation
18	process as we sought protection from inflation.
19	Bank loans are floating rate loans and benefit
20	from rising interest rates which are 106 basis
21	points higher year over year.
22	TIPS benefited from rising headline
23	inflation which peaked at 2.9 percent earlier
24	this year which was 120 basis points higher.

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1	Next in line, high yield was up 2.8
2	percent for the trailing 12 months, slightly
3	underperforming the benchmark on a net of fee
4	basis. High yield spreads were 30 basis points
5	tighter on the year and reached a low of 328
б	before widening in October, November, and
7	currently they are about 425 now.
8	STRIPS returned negative 4.1 percent as
9	long rates rose 30 basis points. Long rates
10	continue to rise at a slower pace than the short
11	rates. But the greater interest rates
12	sensitivity on the long end leads to a larger
13	price movement. Unfortunately, in October the
14	long rates backed up further than the short rates
15	in October.
16	Similar to equities, emerging markets
17	debt was the worst performer returning -2.9 for
18	the dollar denominated emerging market debt, and
19	-8.9 percent in local currency terms. Both are
20	net of fees.
21	Emerging market dollar denominated spread
22	widened 55 basis points in the last 12 months and
23	were 35 basis points higher than the U.S. high
24	yield. Local currency bonds were significantly

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impacted by a strong U.S. dollar with the foreign 1 2 currency contributing about two thirds of the 3 negative return. 4 So I will stop there and see if there are 5 any questions. 6 Great. Thanks. 7 TREASURER GOLDBERG: Thank you. There are no voting items. Just wanted to give 8 9 everybody a heads up. Thank you, Dave. But Eric does have voting items. He has 10 been very busy. Thank you. 11 12 Thank you Eric. 13 MR. NIERENBERG: Good morning. Eric 14 Nierenberg, chief strategy officer. 15 MR. LI: Bill Li, senior investment officer. 16 17 MR. NIERENBERG: Bill is going to give -- we are going to be very brief today. Bill is 18 19 going to give you a guick update on performance for portfolio completion strategies and talk to 20 21 you about the RFP issuance which we will ask your 22 approval for. There are three investments --23 follow-on investment recommendations we will be 24 talking to.

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MR. LI: Thank you. Hi. Good morning 1 2 everyone. 3 About hedge fund performance, it was

4 another steady quarter for PRIM hedge fund. PRIM hedge fund was up 0.5 percent for the guarter and 5 for the past one year our hedge fund program 6 7 delivered 5 percent, which represented 55 basis points over the benchmark. Even though PRIM 8 9 hedge fund outperformed the overall industry by over 200 basis points, we try to be honest with 10 11 ourselves and just compare each manager against 12 their respective subgroups.

13 I would also like to update you on the 14 emerging manager direct hedge fund program that 15 you approved back in August. So in August you 16 approved the process of hiring managers. After 17 that approval we brought three recommendations to PRIM's chief investment officer. 18

As of September \$150 million was deployed 19 20 to three emerging managers and now the platform is up and running. The platform has been 21 22 resilient against the recent market selloff. 23 That has met our expectation.

Turning to equity hedge program. For Q3

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the equity hedge strategy return was 7 percent. 1 That was over 70 basis points of out-performance 2 3 over the benchmark. It was guite a turbulent 4 quarter so far and we have been very closely monitoring this situation. Overall we are 5 6 observing that there has been roughly 90 percent 7 participation of S&P's positive performance. Meanwhile when the market was down, the downside 8 9 participation was roughly 80 percent. So this is 10 the kind of asymmetrical profile that we 11 underwrote this program to. 12 This market environment is still evolving and hopefully we will bring even more updates to 13 14 you next quarter. 15 MR. TROTSKY: We are very pleased with 16 the performance through this turbulence. It is 17 behaving as we wanted it. TREASURER GOLDBERG: As we planned. 18 19 MR. LI: With that we are happy to 20 answer any questions. 21 TREASURER GOLDBERG: Any questions on 22 that? 23 (Pause) 24 TREASURER GOLDBERG: Great.

1	MR. TROTSKY: Thank you.
2	MR. LI: Thank you.
3	MR. NIERENBERG: Bill is going to
4	take you through those two voting items on the
5	RFP.
6	MR. LI: So the two voting items both
7	relate to RFPs. One is for PCS Consulting
8	Services, while the other for Managed Account
9	Platform Services.
10	So back in 2014 we hired Aberdeen Asset
11	Management for Consulting Services and HedgeMark
12	as our Platform Services Providers. At that time
13	the contract was three years with the option to
14	extend for another two years. So fast forward
15	now four years into this relationship we are
16	pretty happy with both service providers.
17	However, next year both contracts are expiring
18	and we feel that this is the time to for
19	another thorough evaluation through another round
20	of RFP process.
21	With that we are happy to answer any
22	questions you have regarding those two RFP
23	recommendations.
24	TREASURER GOLDBERG: They are two

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1 separate votes, correct? 2 MR. LI: Yes. 3 TREASURER GOLDBERG: Why don't --4 because we are going to vote on them separately but we may have questions addressing them 5 6 together, rather than seek the motions I am going 7 to open it up for questions and then we will do one vote after the other. 8 9 Everybody okay with that? Good. Any questions for Bill on either one of these? 10 11 Dennis? 12 MR. NAUGHTON: What is the vision as 13 far as fees are concerned going forward if you stay with these two entities? 14 15 MR. LI: Regarding fees, we can talk 16 about that in more specifics in the protected 17 conversation. But high level, those two service providers have been very economical with us. 18 We 19 have comparison points regarding other companies 20 through various other similar exercises. They 21 both are, I would say, well below market average for us. We are looking forward to this new round 22 23 of RFP exercise. We will have more thorough data 24 regarding fee proposals.

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1	MR. NAUGHTON: Though do you
2	anticipate a similar pleasant relationship fee
3	wise as we have had in the past?
4	MR. LI: That is the expectation.
5	MR. NAUGHTON: Thanks.
б	TREASURER GOLDBERG: Any other
7	questions? Then I would seek a motion that for
8	PCS Consulting Service's request for proposal
9	issuance, PRIM's portfolio completion strategies
10	consulting contract with Aberdeen Asset
11	Management expires on June 30, 2019. PRIM staff
12	and the investment committee recommend
13	(unanimously) to the PRIM Board that the Board
14	authorize the issuance of an RFP for consulting
15	services.
16	Is there a motion?
17	MR. BROUSSEAU: So moved.
18	TREASURER GOLDBERG: Is there a
19	second?
20	MS. FITCH: Second.
21	TREASURER GOLDBERG: Bob?
22	MR. BROUSSEAU: Yes.
23	TREASURER GOLDBERG: Jim?
24	MR. HEARTY: Yes.

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1	TREASURER GOLDBERG: Ruth Ellen?
2	MS. FITCH: Yes.
3	TREASURER GOLDBERG: Dennis?
4	MR. NAUGHTON: Yes.
5	TREASURER GOLDBERG: Carly?
б	MS. ROSE: Yes.
7	TREASURER GOLDBERG: Peter?
8	MR. MONACO: Yes.
9	TREASURER GOLDBERG: Myself, yes.
10	Another unanimous vote. Thank you very much.
11	I would seek a motion that PCS managed
12	account platform services request for proposal
13	issuance, PRIM's portfolio completion strategy
14	managed account platform services contract with
15	HedgeMark expires December 31, 2019. PRIM staff
16	and the Investment Committee recommend
17	(unanimously) to the PRIM Board that the Board
18	authorize the issuance of an RFP for managed
19	account platform services.
20	Is there a motion?
21	MR. BROUSSEAU: So moved.
22	TREASURER GOLDBERG: Second?
23	MS. FITCH: Second.
24	TREASURER GOLDBERG: Bob?

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MR. BROUSSEAU: Can I ask a question? 1 What was the duration of these contracts? The one 2 3 we have now, three years? 4 MR. LI: The one we have right now is 5 three years with two years extension. 6 MR. BROUSSEAU: Okay. I was asking 7 the duration. Okay. 8 TREASURER GOLDBERG: Bob? 9 MR. BROUSSEAU: Yes. TREASURER GOLDBERG: Jim? 10 11 MR. HEARTY: Yes. 12 TREASURER GOLDBERG: Ruth Ellen? 13 MS. FITCH: Yes. TREASURER GOLDBERG: Dennis? 14 15 MR. NAUGHTON: Yes. TREASURER GOLDBERG: Carly? 16 17 MS. ROSE: Yes. TREASURER GOLDBERG: Peter? 18 19 MR. MONACO: Yes. 20 TREASURER GOLDBERG: Myself, yes. 21 That's a unanimous vote. Okay. Great. 22 Now we move to the next voting item. 23 Eric, are you -- thank you very much, Bill. 24 MR. NIERENBERG: There are three

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1	follow-on investment recommendations. The next
2	two, which are 4 and 5 on the list, Aeolus
3	Property Catastrophe fund and CATCo are related.
4	I probably suggest we just discuss them together.
5	Back earlier this month the investment
6	committee approved a renewal of the CATCo and
7	Aeolus insurance allocation. We did also suggest
8	and the investment committee did authorize for
9	the ability to renew those for annually for the
10	next three years as opposed to coming every year,
11	which turned out to be a difficult process based
12	on the timeline.
13	In those couple of weeks since the
14	investment committee meeting there have been
15	material changes in the performance of the
16	portfolio because of the California wildfires,
17	which turn out to be a very significant
18	catastrophic event both from the human side and
19	also from the reinsurance side.
20	So whereas the performance of the
21	portfolio of the combined reinsurance portfolio
22	for two managers was up about 11 percent through
23	the end of October, our current best estimate is
24	that the loss on the portfolio as of today is

probably down 9 percent, so a 20 percent swing. 1 2 That could go down to even -15 percent as loss 3 estimates continue to come in, particularly from 4 the campfire in northern California.

5 That being said, we still believe that this allocation makes a lot of sense and in 6 7 particular the losses that have been incurred because of the wildfires are causing pricing in 8 9 the retrocession sector to improve pretty substantially. Whereas a month ago we expected 10 11 that the pricing to be relatively flat from 2018 into 2019, both managers have indicated that they 12 13 now see pricing going up another 25 percent over 2018. As you recall, when you approved this 14 15 allocation at this time last year, one of the 16 reasons we were getting in was because pricing 17 was up 25 percent over 2017 going into 2018.

Furthermore, both managers are going to 18 19 take steps to limit the amount of wildfire exposure in the portfolio for 2019. The fires in 20 both 2018 -- 2017 and 2018 were manmade. Both 21 22 insurers, both of these managers feel that they 23 don't think it is appropriate to have exposure to 24 the wildfires going forward and have let their

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1	customers know that. Because it is just very
2	hard to insure when it is not truly a natural
3	disaster.
4	Because of the additional pricing
5	increases and also because of very advantageous
6	fee terms that the managers are willing to
7	extend, we are actually whereas at the
8	investment committee meeting we were recommending
9	re-upping the same amount as we did last year, I
10	would like to put forth for your consideration
11	the ability to increase these allocations
12	somewhat. So instead of having 100 million to
13	Aeolus and 150 million in CATCo, up to 120
14	million for Aeolus. So a \$20 million increase
15	and a \$50 million increase to CATCo to 200. So
16	that would take the size of the program from 250
17	million to 320 million. So the total program
18	would increase in size by about 28 percent but
19	interestingly the total fees that we would be
20	paying would actually go down.
21	MR. BROUSSEAU: This is a change.
22	TREASURER GOLDBERG: This is a first
23	for me.
24	MR. NIERENBERG: It is a very fluid

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situation. 1 2 TREASURER GOLDBERG: So 120 for Aeolus 3 and how much for CATCo? 4 MR. NIERENBERG: 200. MR. TROTSKY: Up to. We are not sure 5 6 if we can get the allocation. 7 MR. NIERENBERG: It is also -- again, glad Michael mentioned that, just as always is 8 9 the case, this will be dependent on how the pricing comes in over the next couple weeks. 10 11 This is a very fluid situation right now because the renewals take place in December and 12 13 to have this kind of magnitude of natural 14 disaster so late in the year is really 15 unprecedented. Even the hurricanes particularly 16 happen in September and October. So if we do not 17 see the price increases that the managers are saying that they are going to be able to book at, 18 then we would not increase to that same amount. 19 20 Although I think every indication is that they 21 will get those price increases. MR. TROTSKY: When we make an 22 23 investment, we make long term investments. The thesis still holds for this reinsurance 24

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1	marketplace. We still feel very strongly about
2	the investment thesis where we did have a lot of
3	catastrophes. There was a typhoon in Japan, two
4	hurricanes and wildfires this year. Really,
5	really bad year for natural disasters. But
6	longer term we still like the thesis of this
7	investment and, you know, we think the pricing
8	will make this even more valuable going forward.
9	TREASURER GOLDBERG: So
10	MR. BROUSSEAU: Some questions of
11	Eric. Looking here it says we are doing this for
12	2019. We are going to do for all three years
13	today so we don't have to come back on an annual
14	basis to look at this.
15	MR. NIERENBERG: That's correct. We
16	are not committing to the firm for each of the
17	next three years. We are simply just a vote
18	would allow to give the staff the ability if the
19	conditions look fine to renew automatically
20	instead of coming back for another vote.
21	MR. BROUSSEAU: So in 2020, does that
22	mean the 120 million for Aeolus could be more
23	than 120 million?
24	MR. NIERENBERG: Not without

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1 subsequent authorization. MR. BROUSSEAU: Same is true with 2 3 CATCo? 4 TREASURER GOLDBERG: Yes. We are authorizing up to those amounts. 5 MR. BROUSSEAU: Nice. So they are out 6 7 of harm's way being located in Bermuda. TREASURER GOLDBERG: You might see a 8 9 hurricane go right through there. 10 MR. BROUSSEAU: When I was reading 11 this insurance/reinsurance, explain that to someone who is not an insurance person. 12 13 MR. NIERENBERG: Sure. 14 MR. BROUSSEAU: I get my bills all the 15 time. I said sometimes you get, your eyes get 16 glazed over when you hear all this insurance 17 talk. MR. NIERENBERG: It is not the most 18 19 scintillating conversation. Think of insurance 20 as a pyramid. At the bottom of the pyramid is 21 the standard homeowners insurance and auto 22 insurance we all have. This would be firms, 23 State Farm, All State that insure people's 24 houses. The idea being that if a tree falls on

somebody's house, All State insures 2 million 1 people, they are expecting some number of trees 2 3 to fall, expecting some number of houses to burn 4 down. That's the nature of the insurance 5 company. However, insurance companies themselves 6 7 are worried about having too much exposure in one area due to a significant natural disaster. So 8 9 if a major hurricane hits south Florida or if an earthquake takes out half of Los Angeles, that 10 11 kind of massive exposure all at once to a 12 particular geographic area could cause even a big 13 insurance company like a State Farm to encounter financial difficulties. So those property 14 15 insurance companies, the ones we deal with as 16 consumers, will go into the reinsurance market 17 where they are buying insurance for their portfolio. These are companies like AIG has a 18 19 big reinsurance, Warren Buffet, Hathaway, that's a big part of their portfolio is reinsurance 20 21 traditionally. That's kind of the middle layer of the 22 23 pyramid. Those reinsurance companies are running this on a balance sheet strategy. They have to 24

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1	be concerned about their own credit ratings with
2	Moody's, A.M. Best, etc. They, in turn,
3	occasionally need to buy insurance for their own
4	portfolios, re-reinsurance. This is at the very
5	top of the pyramid. It is a very specialized
6	form of protection. It is designed to protect
7	only against the very largest natural disasters.
8	So big hurricanes in Florida, massive wildfires
9	in California, Japanese earthquakes. That kind
10	of thing.
11	Because the nature of this tip of the
12	pyramid is very unlikely events but if those
13	events happen they can be quite costly. The
14	premium, the price that those reinsurers are
15	willing to pay for this what we call retrocession
16	coverage, tip of the pyramid, can be very high.
17	So without, in a normal year, if you
18	don't have a lot of natural disasters the return
19	on the portfolio can be extremely high. For
20	instance, both of our firms are projecting that
21	on a no-loss basis for 2019 their returns could
22	be anywhere from 25 to 35 percent. Significantly
23	higher than what it was.
24	MR. BROUSSEAU: All bets are off if we

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1	have a catastrophic
2	MR. NIERENBERG: Any time you have
3	a
4	MR. BROUSSEAU: Climate issues.
5	MR. NIERENBERG: These are one year
6	contracts. So to the extent that what really
7	it is is probability. It is probability and
8	statistics in the sense, what is the likelihood
9	you will have a major hurricane, that you will
10	have a major earthquake, wildfires of a certain
11	size in a particular year. What's the
12	probability that those things will happen in the
13	same year. That's what really is going to
14	determine whether or not you have a positive
15	return for the year or a negative one.
16	One of the reasons that an organization
17	like PRIM is well suited to provide this kind of
18	participate in this market is we have a very
19	long time horizon. We have and as a result we
20	have capital that we feel we can deploy at these
21	attractive rates. We don't have to worry about
22	it blowing up our liabilities, or blowing up our
23	balance sheet, because we have a robust balance
24	sheet. We can get well compensated in our view

1	for taking on these exposures but it does mean
2	that there are years where if you have these
3	events happen, and they are random, but you can
4	model them from a probability standpoint but it
5	is a random occurrence, that you could have a
6	negative year like we are having.
7	The silver lining is the pricing can go
8	up even more, which is what we are seeing, which
9	we think makes it a more attractive view. So
10	again, on this principle that the fundamental
11	risk doesn't change from year to year. We are
12	writing one year contracts.
13	MR. BROUSSEAU: I know you probably
14	can't answer this question. Just a concern.
14 15	can't answer this question. Just a concern. Those damages in California have got to go into
15	Those damages in California have got to go into
15 16	Those damages in California have got to go into the hundreds of billions of dollars. It
15 16 17	Those damages in California have got to go into the hundreds of billions of dollars. It impacted, I am sure, the entire industry.
15 16 17 18	Those damages in California have got to go into the hundreds of billions of dollars. It impacted, I am sure, the entire industry. MR. NIERENBERG: I don't know that it
15 16 17 18 19	Those damages in California have got to go into the hundreds of billions of dollars. It impacted, I am sure, the entire industry. MR. NIERENBERG: I don't know that it is going to be that high. The latest estimates
15 16 17 18 19 20	Those damages in California have got to go into the hundreds of billions of dollars. It impacted, I am sure, the entire industry. MR. NIERENBERG: I don't know that it is going to be that high. The latest estimates have it in the 15 to 20 billion range.
15 16 17 18 19 20 21	Those damages in California have got to go into the hundreds of billions of dollars. It impacted, I am sure, the entire industry. MR. NIERENBERG: I don't know that it is going to be that high. The latest estimates have it in the 15 to 20 billion range. MR. BROUSSEAU: For 4,700? The whole
15 16 17 18 19 20 21 22	Those damages in California have got to go into the hundreds of billions of dollars. It impacted, I am sure, the entire industry. MR. NIERENBERG: I don't know that it is going to be that high. The latest estimates have it in the 15 to 20 billion range. MR. BROUSSEAU: For 4,700? The whole town gone, 4,700 homes destroyed.

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1	Paradise, then the fire in Malibu, looking at
2	about 15 to 20,000 structures. The structures in
3	north California, the houses not as large, not
4	the values of those homes weren't as high but a
5	lot more of them were burned. In the Malibu
6	fire, those were of course very expensive homes.
7	Equally as important as the value of the home
8	itself is the contents of those homes which can
9	be very expensive. That fire might be about 5
10	billion.
11	So we do think these loss estimates can
12	continue to creep up a bit, which is why I said
13	at the outset our best estimate of the
14	performance right now for the combined portfolio
15	is down 9 percent for the year. But I would not
16	be surprised at all if ultimately it turns out to
17	be -15 because losses will continue to come in.
18	TREASURER GOLDBERG: But, as Eric
19	said, he is originally recommending just
20	re-upping at the same amount because of all this,
21	that the fee structure, which was going to be
22	flat, is going to go up, you think as much as 25
23	percent.
24	MR. NIERENBERG: There are two elements

why we are suggesting. One is that the pricing
that these two managers will get for the policies
is becoming much more attractive. We think the
returns will be, again just on the whole curve
basis but we do think that the baseline returns
for next year will be an improvement, significant
improvement over and above what we already
thought was attractive for 2018. And we are able
to get lower fees from the managers themselves
for managing this strategy. So we think there is
a double benefit there.
MR. BROUSSEAU: So for 2020, '21 this
will authorize you and staff to make the decision
on the continuing to reinsure to reissue.
MR. NIERENBERG: We will continue to
brief everyone on this. Just the renewal process
because of the timing is very it is
operationally it is proven to be very difficult.
MR. TROTSKY: We don't have to re-up.
We are not locked in.
MR. NIERENBERG: We are not locked in.
TREASURER GOLDBERG: Right.
MS. FITCH: It is an annual contract.
TREASURER GOLDBERG: Okay. I think I

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already did. 1 2 MR. BROUSSEAU: No. We don't have a 3 motion. 4 TREASURER GOLDBERG: You lost me. All right. I am seeking approval of an annual 5 6 subscription of up to 120 million to Aeolus 7 Property Catastrophe Keystone PF Fund L.P. That the PRIM Board approve the investment -- well, 8 9 this isn't the investment committee recommendation. 10 11 MR. TROTSKY: Motion was written 12 incorrectly. 13 MR. BROUSSEAU: There was a mistake 14 made. 15 TREASURER GOLDBERG: I know what to 16 That the PRIM fund approve the -- our do. 17 amended investment committee recommendation to authorize staff to -- am I right, Chris? "Our 18 amended"? 19 20 MR. TROTSKY: Yes. MR. SUPPLE: Yes. The investment 21 22 committee recommended what's in --23 TREASURER GOLDBERG: Right. I am 24 recommending an amended. That's what I was

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1	saying.
2	To authorize staff to renew the
3	subscription annually for each of the three
4	upcoming calendar years 2019, 2020 and '21 of up
5	to 120 million to Aeolus Property Catastrophe
6	Keystone PF fund L.P. as described in the
7	expanded agenda and Eric Nierenberg's explanation
8	in our meeting. Right, Chris?
9	MR. SUPPLE: That's correct.
10	TREASURER GOLDBERG: Further to
11	authorize the Executive Director to take all
12	actions necessary to effectuate this vote.
13	Is there a motion.
14	MR. BROUSSEAU: Move to approve the
15	amended motion.
16	TREASURER GOLDBERG: Thank you. Is
17	there a second?
18	MS. FITCH: Yes.
19	TREASURER GOLDBERG: Okay. Bob, Jim,
20	Ruth Ellen
21	MR. MONACO: Madam Treasurer? Sorry.
22	Could I ask just a couple of questions belatedly
23	here and also make a brief comment?
24	TREASURER GOLDBERG: Absolutely.

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MR. MONACO: So with respect to my 1 2 comment, before we vote, couple of things. 3 As thoughtful investors displaying 4 courage of conviction is important and therefore as long as we believe the strategy adds value 5 over time we take advantage of the possible 6 7 opportunity here. That is as long as we believe the manager has remained within the risk 8 9 parameters that they have represented to us. So I just wanted to ask Eric: Do the 10 11 potential losses here have a cap, given the 12 nature of the contracts that the managers write, 13 and how exactly does that work? 14 The second question is kind of a 15 complicated one but although I presume that wind 16 was an exacerbating factor here, wasn't the 17 actual cause of the wildfire the Pacific Gas & Electric malfunction and/or negligence and how 18 19 does that play into this? Is it possible at the 20 end of the day the underwriters in the aggregate get out from under some of the risk and therefore 21 do not have to call on our reinsurers here for as 22 23 much coverage as it appears they may have to. 24 MR. NIERENBERG: Thanks for your

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questions, Peter. I will take the second one

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2 first. 3 Yes, all signs point to Pacific Gas & 4 Electric being negligible in starting these The fire departments in the area had 5 fires. asked PG&E to shut down the power because of the 6 7 Diablo winds coming in from the east which posed a risk in the case of malfunctioning equipment. 8 9 PG&E did not turn off the power lines, the equipment malfunctioned, it started a fire, and 10 11 these powerful winds, which are not unusual for this time of year for northern California, just 12 13 raged that fire right through the town of Paradise. Lawsuits have already been started to 14 15 be filed. Both our managers intend to 16 participate in lawsuits seeking restitution from 17 PG&E. As it turns out, most of these contracts 18

19 are written, the reinsurance, the retrocession 20 contracts, such that they pay out regardless of whether the cause is manmade or natural. 21 So in that sense there will be the initial payout from 22 23 those funds.

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The question is, will there be a ultimate

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1	recoupment of some of this money potentially
2	somewhere down the line. I think both managers
3	vigorously pursue that on our behalf. It is
4	premature to know how successful that will be. I
5	think it is, I am speculating here, but it
6	definitely seems like PG&E will have to file for
7	bankruptcy at some point. How that will affect
8	these claims, I am not sure.
9	But yes and both managers are taking
10	steps to both increase the premiums that they are
11	going to charge for wildfire protection, but even
12	more importantly, drastically reduce the amount
13	of retrocession wildfire coverage they are going
14	to provide going forward because they don't feel
15	like this is a even with just an increase in
16	pricing they don't feel this is a risk that
17	can be properly modeled.
18	They are going to reduce this very
19	considerably for the portfolio going forward,
20	which combined with a general increase in pricing
21	I think makes for a better risk profile going
22	forward than what we have.
23	MR. TROTSKY: You might mention the
24	pillars.

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1	MD NIEDENDEDC. The enduer to your
	MR. NIERENBERG: The answer to your
2	first question, Peter, is, there are caps on the
3	amount of exposures these managers have. So in
4	the case of CATCo, I won't go into all the
5	details, but basically they write what are called
6	pillars of coverage so that a reinsurer that is
7	working with CATCo can get coverage on up to ten
8	different natural disaster events, four of which
9	can be paid out in any particular year. So
10	wildfires would be one of those four, then some
11	of the clients have a super CAT pillar which
12	allows them to basically double up on something.
13	In the case of CATCo, they are basically
14	at the moment taking down almost a full write-
15	down, they are taking a full write-down of the
16	first pillar. They are taking almost a complete
17	write-down of the second pillar in order to get
18	to the current level of returns.
19	So we do not there is a cap. We
20	really don't see there being further erosion from
21	the CATCo returns because they have already kind
22	of capped out on exposure.
23	The way Aeolus writes the policies is a
24	little different. Aeolus does what is called on

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an aggregate basis. So rather than insuring 1 simply against wildfires or earthquakes, they 2 3 will work with the insurance company to provide 4 insurance on the full portfolio, meaning Florida hurricane, Gulf hurricane, California earthquake, 5 California wildfire, etc. 6 7 So in that case it is a little more complicated in the sense that as the claims 8 9 continue to come in, the Aeolus exposure can rise. But I will say that Aeolus' exposure has 10 11 been much less than CATCo in the first place. 12 Even Aeolus does have limits, so it is not an 13 unlimited exposure. We do feel like while there can be continued erosion in the Aeolus portfolio 14 15 even going forward, overall the Aeolus half of 16 the portfolio is holding up better than the CATCo 17 one because of the way that the Aeolus provides its protection. It is not always going to be the 18 19 case. You know, as we said when we brought these 20 two last year, you have a big event, CATCo is 21 generally going to be affected more than Aeolus. If you have something like a death by a thousand 22

than CATCo would. So different underwriting

cuts, that's where Aeolus tends to fair worse

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1 profiles. 2 MR. MONACO: And so -- if you don't 3 know off the top of your head it is totally 4 fine -- we can talk about it later. But if -- I understand it is a moving target but if, you 5 6 know, at the end of the program year our first, our first go-around with this is a -15 percent or 7 so return on the total portfolio, what was the 8 9 modeled probability of that outcome? MR. NIERENBERG: I am not sure that I 10 11 have that in here from last year. But in terms 12 of the probability, just off the top of my head, I believe that would be in the bottom five 13 percent of outcomes. It might even be worse than 14 15 that. Might have been the bottom two percent of 16 outcomes. 17 MR. MONACO: I think that's important I think that's important to know. The 18 to note. 19 flip side of that is that in some years in this 20 strategy we are going to make 20 or 25 percent. 21 MR. NIERENBERG: That is certainly the 22 hope. I mentioned at the outset, the gross 23 no-loss return being modeled by the two firms for 24 next year, CATCo is now looking at a 37 percent

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1	gross no-loss return for 2019. Aeolus, which is
2	a different profile, but is looking at a 25
3	percent gross no loss. That's no loss. That
4	means there can't be any major natural disasters.
5	That's a 25 percent underwriting improvement over
б	2019.
7	We do feel like this is definitely in
8	that far left field of events. It is just
9	misfortune in terms of natural disasters.
10	MR. BROUSSEAU: Something like
11	Columbia Gas in Mass. is going to be insurance
12	and reinsurance in terms of their issues, I would
13	think, in the Merrimack Valley.
14	MR. NIERENBERG: Yes. That will be
15	something, for instance, reinsurance will pay out
16	on because the number of homes affected was not
17	anywhere as large as the number of homes affected
18	in California. Something like the Columbia Gas
19	incident would never make it up to the
20	retrocession coverage that we are providing. It
21	would just stay at that middle layer of the
22	reinsurance side.
23	MR. MONACO: Thank you for that. Just
24	one final comment. I want to commend you for the

command you seem to have of all of this. I have 1 2 great confidence in you and this strategy. 3 MR. NIERENBERG: Thank you, Peter. 4 TREASURER GOLDBERG: Peter, thank you. 5 So we have a motion and we have a second. 6 So now I am going to move ahead with the vote. 7 Bob? 8 TREASURER GOLDBERG: Jim? 9 MR. HEARTY: Yes. 10 TREASURER GOLDBERG: Ruth Ellen? 11 MS. FITCH: Yes. 12 TREASURER GOLDBERG: Dennis? 13 MR. NAUGHTON: Yes. 14 TREASURER GOLDBERG: Carly? 15 MS. ROSE: Yes. 16 TREASURER GOLDBERG: Peter? 17 MR. MONACO: Yes. 18 TREASURER GOLDBERG: And myself. 19 Thank you. 20 Now we also have a second vote. We 21 didn't do both votes together. We need to do 22 them separately. This is also going to be an 23 amended vote. 24 So I would seek approval of an annual

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1	subscription of up to 200 million to CATCo
2	Diversified Fund II, that the PRIM Board approve
3	the investment committee's vote, that the PRIM
4	Board approve the amended recommendation to the
5	investment committee's recommendation to
6	authorize staff to renew the subscription
7	annually for each of the upcoming calendar years,
8	2019, '20 and '21 of up to 200 million to CATCo
9	Diversified Fund II described in the expanded
10	agenda and further described by Eric Nierenberg.
11	Further to authorize the Executive
12	Director to take all actions necessary to
13	effectuate this vote.
14	Is there a motion?
15	MR. NAUGHTON: So moved.
16	MR. BROUSSEAU: To the amended motion.
17	Second.
18	TREASURER GOLDBERG: To the amended.
19	Any further questions? Peter, do you have a
20	question on this specific vote?
21	MR. MONACO: No, thank you.
22	TREASURER GOLDBERG: All right. We
23	have a motion. We have a second. Bob?
24	MR. BROUSSEAU: Yes.

1	TREASURER GOLDBERG: Jim?
2	MR. HEARTY: Yes.
3	TREASURER GOLDBERG: Ruth Ellen?
4	MS. FITCH: Yes.
5	TREASURER GOLDBERG: Dennis?
б	MR. NAUGHTON: Yes.
7	TREASURER GOLDBERG: Carly?
8	MS. ROSE: Yes.
9	TREASURER GOLDBERG: Peter?
10	MR. MONACO: Yes.
11	TREASURER GOLDBERG: Myself. It is
12	unanimous.
13	Thank you, Eric, for all of the clear
14	explanation and the fascinating discussion on it.
15	MR. NIERENBERG: One quick note I
16	forgot to mention on CATCo. The parent company
17	has put in \$500 million in the strategy. The
18	founder of CATCo is putting upping his
19	personal financials into the strategy by 50
20	percent. They do have their own kind of skin in
21	the game here too. I wanted to mention that.
22	MR. TROTSKY: We have one more
23	recommendation from Eric.
24	TREASURER GOLDBERG: Okay. This is an

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1	approval of the commitment of up to 50 million to
2	JEN Partners VI, L.P. I seek a motion that the
3	PRIM Board approve the investment committee's
4	recommendation to approve a commitment of up to
5	50 million to JEN Partners VI, L.P. as described
6	in the expanded agenda and further authorizing
7	the Executive Director to take all actions
8	necessary to effectuate this vote.
9	Is there a motion?
10	MR. BROUSSEAU: So moved.
11	TREASURER GOLDBERG: Second?
12	MS. FITCH: Second.
13	MR. NIERENBERG: I will be a lot
14	briefer on this one. The investment in JEN Fund
15	V back in 2015, this is residential lot-banking
16	strategy. The fund has done exactly what we had
17	hoped it would do. It returned an IRR in about
18	the 17 percent net range over that time. Fund VI
19	is just a continuation of that strategy. Same
20	principals, same underwriting philosophy. We are
21	underwriting it to the same level of returns. We
22	have been pleased with their investment
23	performance so far. We are asking for a
24	commitment of similar size for the next fund.

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1	TREASURER GOLDBERG: Any questions?
2	Okay. Hearing none, Bob?
3	MR. BROUSSEAU: Yes.
4	TREASURER GOLDBERG: Jim?
5	MR. HEARTY: Yes.
6	TREASURER GOLDBERG: Dennis?
7	MR. NAUGHTON: Yes.
8	TREASURER GOLDBERG: Carly?
9	Ms. Rose: Yes.
10	TREASURER GOLDBERG: Peter?
11	MR. MONACO: Yes.
12	TREASURER GOLDBERG: And me.
13	Unanimous vote. Thank you.
14	MR. NIERENBERG: Thank you very much.
15	Private equities.
16	MR. BAILEY: Good morning.
17	TREASURER GOLDBERG: Hello Michael.
18	Hello, Alyssa.
19	MR. BAILEY: I am Michael Bailey.
20	MS. FIORE: Alyssa Fiore.
21	MR. BAILEY: Mike with a B. Good
22	morning everyone.
23	I will spend a few minutes on performance
24	and then we have one voting item. No. Two voting

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1	items or two and a half, I suppose.
2	TREASURER GOLDBERG: Two and a half?
3	So I only have to do a half a motion? No second?
4	MR. BAILEY: But just very briefly, in
5	the interest of time I will mention and echo some
6	of Michael's comments on the strong performance
7	of the private equity portfolio that continues to
8	exceed our high expectations for its performance
9	with a 24 percent one-year gross performance. We
10	are on about page 21 of the expanded materials.
11	Which puts it in high our expectations
12	over short periods of time like one year. It had
13	its best quarterly performance this last quarter,
14	we are recording over four years of performance.
15	So really high marks for the portfolio against a
16	group of peers reported by Cambridge Associates,
17	it is outperforming by about 350 basis points,
18	3.5 percent. Against the longer term measures,
19	that we look at, public stocks, this whole \$8
20	billion of capital outperformed by more than 10
21	percent or more than 1,000 basis points over that
22	one-year period. So very strong performance and
23	notably the portfolio also continue to generate a
24	lot of cash, so on page 21 you will see the cash

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table that shows the year to date, it generated 1 about \$500 million of net cash distributions. 2 3 Most of that cash is coming from the sales of 4 companies. So we sort of think of those as reflecting realized gains, not market to market 5 qains. I think sort of in a sense of a quality 6 7 of earnings or the quality of performance, it is not accounting or markups in the portfolio. A 8 9 lot of it is realized gains as the portfolio continues to sell more assets than it buys. I 10 11 think related to that, Hamilton Lane noted it in 12 one of their studies, private equity managers 13 continue to find a lot of different ways to send 14 money back to their limited partners. That 15 consultant noted that funds raised 4 to 6 years 16 ago had higher amounts of cash returned in their 17 research compared to 20 years of data. Sort of a peak in terms of the amount of capital being 18 19 returned by these private equity firms. A lot of 20 that is because of the robust activity in buying 21 and selling companies that we have all been 22 reading about in the papers, both large 23 corporations doing mergers and acquisitions but 24 also private equity firms taking advantage of

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1	these liquid markets to sell assets.
2	So I will stop there on performance and
3	just mention on page 21 as well that with your
4	approvals here today we invested or committed
5	about \$1.4 billion of capital to funds, we are
6	going to talk about two new investments that will
7	bring this total to about \$1.5 billion or 15
8	total fund investments. We have also really
9	ramped up the activity. This is a reflection of
10	the deal activity in the private equity market on
11	the co-investment program you have all approved
12	and you have seen notes from us about the
13	co-investment activity but this year has been a
14	really active year for the firm to co-invest
15	along with its private equity partners. We
16	committed to ten new co-investments this year
17	with a couple more in the pipeline. So that will
18	bump that capital committed to closer to \$1.7
19	billion and you will recall that the goal we set
20	at the beginning of the year was about \$1.8
21	billion. So we are right on track to committing
22	that full amount in this fiscal year.
23	So I will stop there with those brief
24	comments on performance and how the portfolio

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1	shaped up this year in terms of new commitments,
2	unless you have questions. I am happy to answer
3	questions.
4	TREASURER GOLDBERG: Questions?
5	Peter, any questions?
6	MR. MONACO: Sorry, none.
7	TREASURER GOLDBERG: Okay.
8	MR. BAILEY: We have three voting
9	items.
10	TREASURER GOLDBERG: Right.
11	MR. BAILEY: Page 22.
12	TREASURER GOLDBERG: All three of them?
13	22 and 23. I have the voting items.
14	I am going to seek an approval, then we
15	will have you I mix it up a little to keep
16	people on their toes. Sometimes we have the
17	presentations. You know, ask Nick. I mix it up
18	a little over there too.
19	MR. FAVORITO: All the time.
20	TREASURER GOLDBERG: How do we use the
21	word mix it up? Mix up or mix it up? Okay.
22	It's 11:30, it is time for a little jovial
23	conversation.
24	I would seek approval of a commitment of

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1	up to 75 million to JMI Equity Fund IX, L.P.,
2	that the PRIM Board approve the investment
3	committee's recommendation to approve a
4	commitment of up to 75 million to JMI Equity Fund
5	IX, L.P. as described in the expanded agenda and
6	further to authorize the executive director to
7	take all actions necessary to effectuate this
8	vote.
9	Is there a motion?
10	MR. BROUSSEAU: So moved.
11	TREASURER GOLDBERG: Is there a
12	second?
13	MS. FITCH: Second.
14	MS. FIORE: I will be doing JMI. This
15	is a new manager for PRIM. JMI is a growth
16	equity manager located in Baltimore and they also
17	have an office in San Diego.
18	If you remember from our goals from 2018,
19	our team has been focused on the use of small
20	market managers as well as we added growth equity
21	in 2018. Growth equity, as you can remember from
22	those meetings, is different from buyouts. They
23	are smaller companies and often minority
24	positions. They are usually industries of

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healthcare and technology. JMI is a technology-focused firm. They are investing exclusively in software and tech-enabled services. This is Fund IX for them, they are raising 1.2 billion dollars. They are recommending a commitment of up to 75 million. The team is quite strong. They have eight senior investment professionals and a team of 30 total across the two offices. They have really deep expertise in software. They have been investing in this area since the 1990's and they have a really good sector understanding and reputation in the market. With that I will take any questions. TREASURER GOLDBERG: Any questions for Alyssa? Hearing none, we have a motion. We have a second. Bob? MR. BROUSSEAU: Yes. TREASURER GOLDBERG: Jim? MR. HEARTY: Yes. TREASURER GOLDBERG: Ruth Ellen? MS. FITCH: Yes. TREASURER GOLDBERG: Dennis? MR. NAUGHTON: Yes.

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	TREASURER GOLDBERG: Carly?
2	MS. ROSE: Yes.
3	TREASURER GOLDBERG: Peter?
4	MR. MONACO: Yes.
5	TREASURER GOLDBERG: Myself, yes.
6	Thank you. One down.
7	MS. FIORE: The next motion is also
8	TREASURER GOLDBERG: I have to
9	actually seek it. Approval of a new co-investment
10	manager, that the PRIM Board I seek a motion
11	that the PRIM Board approve the investment
12	committee's recommendation to approve the
13	addition of JMI Equity to the board-approved
14	co-investment manager bench as described in the
15	expanded agenda and further to authorize the
16	Executive Director to take all actions necessary
17	to effectuate this vote.
18	Is there a motion?
19	MR. BROUSSEAU: So moved.
20	TREASURER GOLDBERG: Second?
21	MS. FITCH: Second.
22	MS. FIORE: Recently we have been
23	recommending our managers be added to the
24	co-investment manager bench. This gives us the

ability to act on co-investments if we see the 1 2 deal flow. 3 TREASURER GOLDBERG: Okay. Any 4 questions? Comments? Hearing none, we have a 5 motion. We have a second, Bob? 6 MR. BROUSSEAU: So moved. 7 TREASURER GOLDBERG: Jim? 8 MR. HEARTY: Yes. 9 TREASURER GOLDBERG: Ruth Ellen? 10 MS. FITCH: Yes. 11 TREASURER GOLDBERG: Dennis? 12 MR. NAUGHTON: Yes. TREASURER GOLDBERG: Carly? 13 MS. ROSE: Yes. 14 15 TREASURER GOLDBERG: Peter? 16 MR. MONACO: Yes. 17 TREASURER GOLDBERG: Myself, yes. Unanimous vote. We have one more vote. 18 19 Approval of a commitment of up to 30 20 million to Flagship Pioneering Special Opportunities Fund II, L.P. That the PRIM Board 21 approve the investment committee's recommendation 22 23 to approve the commitment of up to 30 million to 24 Flagship Pioneering Special Opportunities Fund

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1	II, L.P. as described in the expanded agenda and
2	further to authorize the Executive Director to
3	take all actions necessary to effectuate this
4	vote.
5	Is there a motion?
б	MR. BROUSSEAU: So moved.
7	TREASURER GOLDBERG: Is there a
8	second?
9	MR. NAUGHTON: Second.
10	TREASURER GOLDBERG: Michael.
11	MR. BAILEY: So flagship is a firm we
12	have seen before. This is a our seventh
13	investment with the firm. It is a Cambridge
14	based firm that focuses on venture stage
15	investing, primarily in life sciences or drug
16	discovery. Also in agriculture-related
17	technology investing in that discovery phase.
18	We think that Flagship is an unusual firm
19	that they are trying to develop their own
20	disruptive therapies by identifying new molecules
21	to solve human health problems and also problems
22	in agriculture. This is a life sciences firm
23	that's been very successful identifying
24	technologies, bringing them out of the lab and

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into the clinic to be tested on humans and in 1 2 agriculture applications. 3 So we have been an investor with them for a long period of time. This is our second 4 investment in a fund that would invest in later 5 6 stage companies that emerge from the early stage 7 and are able to attract funding from other investors and Flagship. 8 9 We are recommending up to \$30 million in 10 this new Flagship fund. 11 MR. TROTSKY: Mike and I visited with them last week when they had their annual 12 13 investor meeting. It was one of the most 14 interesting things I have been in in my entire 15 tenure here. 16 TREASURER GOLDBERG: You didn't take 17 me. MR. TROTSKY: It was during the real 18 estate, just after the real estate committee 19 20 meeting. Next year I will definitely invite you because it is fantastic. 21 22 There is actually a current event that we 23 can probably speak about. Flagship Venture 24 Partners was an early investor in Moderna, which

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1	is slated to go public this month. I think it is
2	this month. That means today or tomorrow, I
3	think.
4	Just to give you an idea the kinds of
5	things they do and sometimes they are this
6	successful. They invested under \$8 million, 8
7	million, in Moderna and Moderna has a valuation,
8	if it goes public at the pricing they are talking
9	about, of 8.8 billion. So they don't own the
10	whole company but it is a massive homerun and we
11	are in it.
12	TREASURER GOLDBERG: Great.
13	MR. BROUSSEAU: Up to 30 million.
14	MR. TROTSKY: Aside from the financial
15	success, it is a wonderful advance in medicine.
16	TREASURER GOLDBERG: So we have a
17	motion. We have a second. Carly?
18	MS. ROSE: Yes.
19	TREASURER GOLDBERG: Dennis?
20	MR. NAUGHTON: Yes.
21	TREASURER GOLDBERG: Ruth Ellen?
22	MS. FITCH: Yes.
23	TREASURER GOLDBERG: Bob?
24	MR. BROUSSEAU: Yes.

1	TREASURER GOLDBERG: Jim?
2	Mr. Hearty: Yes.
3	TREASURER GOLDBERG: Peter?
4	MR. MONACO: Yes.
5	TREASURER GOLDBERG: Myself. Just
6	wanted to catch you all. The motion carries.
7	Thank you.
8	MR. MONACO: Thank you.
9	TREASURER GOLDBERG: We did very well.
10	Okay.
11	Does everybody need a stretch? I need to
12	stretch my back.
13	(Recess taken)
14	MR. FALZONE: Good morning everyone.
15	Good morning, Madam Treasurer.
16	The three voting items under finance and
17	administration are routine and they take place
18	every year, specifically the November cycle.
19	My name is Tony Falzone. I am here with
20	Deb Coulter, our CFO. I am going to hand it off
21	to her for her cover the fiscal year 2018 audit
22	results.
23	MS. COULTER: Good morning everyone. I
24	am on page 25 of the expanded agenda. I'm here

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to discuss the fiscal year PRIM and PRIT audits 1 2 as well --3 COURT REPORTER: I can't hear her. TREASURER GOLDBERG: They can't hear 4 you. I am sorry. Peter probably can't either. 5 MS. COULTER: I am here to discuss the 6 7 fiscal year 2018 PRIM and PRIT audits as well as the two agreed upon procedures that are performed 8 9 each year. One on our procurement process and one on our benchmark calculations. 10 11 So at the last administrative and audit committee Dave Gagnon and Jen Daly from KPMG 12 13 joined us and reviewed their audit process and 14 new GASB disclosure requirements. Their 15 presentation is at Appendix I. It also includes 16 copies of the draft audit opinion letters and 17 their report on the AUP reports. I wanted to share a few items that were 18 19 discussed at the meeting. First, the audits and 20 AUPs have once again resulted in clean opinions. 21 I just want to thank the finance and operations teams that work on the accounting and financial 22 23 reporting year-round and they do a great job. We 24 especially wanted to thank Qingmei Li, who is not

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1	here today. She is our financial reporting
2	manager and she coordinates all our audits and
3	prepares the financial statements and does a
4	great job every year.
5	I wanted to point out that our financial
6	statements look very different than they did just
7	five years ago with all of the new investments we
8	added such as the equity hedge account,
9	agriculture investments and the PE
10	co-investments. The innovation on the investment
11	side has increased the reporting complexity on
12	the finance side. We have new disclosure
13	requirements, more Level 2 and 3 assets and more
14	separate accounts to consolidate onto our
15	financial statement. Even with all these
16	changes, the PRIM and PRIT audits went smoothly
17	this year. The admin and audit committee also
18	met separately with KPMG, as they do each year to
19	allow them to ask questions directly to the
20	auditors without PRIM staff being present.
21	So in summary a lot of work goes into
22	these audits every year. Once again we have
23	clean opinions on the financial statements and no
24	findings on the AUPs.

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1	Happy to answer any questions.
2	MR. TROTSKY: For those of you who
3	don't know, the AUP is primarily referred to our
4	procurement practices.
5	MS. COULTER: Yes, the AUPS are on our
6	procurement process and our benchmark
7	calculations.
8	TREASURER GOLDBERG: So
9	MR. BROUSSEAU: It is a tremendous
10	undertaking every year that starts in April and
11	May, if you look at it. If you had I know
12	some of the stuff your eyes glaze over after you
13	get a document like this. You look at it. But we
14	have an amazing staff up here, the administrative
15	and finance staff, that does this. Especially
16	Qingmei who coordinates this. The amount of work
17	that goes into it and I can say that once we are
18	allowed this practice to meet in executive
19	session with the auditors, which we did, I think
20	probably lasted no more than five minutes.
21	Absolutely clean audits. Absolutely total
22	cooperation and work on the part of our staff.
23	And there were absolutely no issues that really
24	we had to discuss other than the niceties between

1	KPMG and the audit committee.
2	I think the Board should know that. It
3	was a very successful audit again this year.
4	MR. FALZONE: That's right. Bob, to
5	echo your comments, I know Deb had mentioned
6	Qingmei and Deb's whole team and Deb herself does
7	a fantastic job. That whole team should be
8	recognized.
9	TREASURER GOLDBERG: Okay. I am going
10	to this is a voting item. So I am going to
11	seek a motion for approval of the draft fiscal
12	year 2018 PRIT fund wait, wrong one. Forget
13	that.
14	I am going to seek a motion that the PRIM
15	Board approve the admin and audit committee's
16	recommendation to accept one-fiscal year 2018
17	PRIM and PRIT audited financial statements as
18	well as, two-the agreed upon procedures report on
19	PRIM's procurement process for investment
20	management and other professional services and,
01	
21	three, the agreed upon procedures report on the
21 22	three, the agreed upon procedures report on the PRIT fund's benchmark calculation. All is

to take all action necessary to effectuate this 1 2 vote. 3 Is there a motion. 4 MR. BROUSSEAU: So moved. 5 TREASURER GOLDBERG: Second? 6 MS. FITCH: Second. 7 TREASURER GOLDBERG: Bob? 8 MR. BROUSSEAU: Yes. 9 TREASURER GOLDBERG: Jim? 10 MR. HEARTY: Yes. 11 TREASURER GOLDBERG: Ruth Ellen? 12 MS. FITCH: Yes. 13 TREASURER GOLDBERG: Dennis? 14 MR. NAUGHTON: Yes. TREASURER GOLDBERG: Carly? 15 16 MS. ROSE: Yes. 17 TREASURER GOLDBERG: Peter? 18 MR. MONACO: Yes. 19 TREASURER GOLDBERG: Myself, yes. All those by unanimous vote. 20 21 Next. 22 MR. FALZONE: So our next voting item 23 is the draft fiscal year 2018 comprehensive 24 annual financial report also known as the CAFR.

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So this is PRIM's 14th annual CAFR and the CAFR 1 2 includes our financial statements but it is also 3 designed to provide reporting that goes above and 4 beyond a set of financial statements. Ιt provides a more complete and transparent picture 5 of a governmental entity. So our CAFR is 6 7 comprised of four sections: The introductory section, which includes a transmittal letter from 8 9 Michael Trotsky summarizing the fiscal year along with a listing of PRIM's board and committee 10 11 members along with an org chart. The financial section includes the audited financial 12 13 statements. The investment section which provides asset allocation information and PRIT 14 fund performance over time. The investment 15 16 section also contains a summary of PRIT asset classes and sub asset classes and also a listing 17 of PRIM's managers. Last, a statistical section 18 19 which contains financial highlights and expense 20 and financial ratios. Before I open it up to questions, I do 21 22 have a couple of extra comments I want to make 23 about the process in general. Each year we

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submit this report along with a 40-page checklist

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to the Government of Finance Officers Association 1 to earn their certificate of achievement for 2 3 excellence in financial reporting. As Bob 4 mentioned, we've won the award 13 straight years. We are confident that we will hopefully keep the 5 streak alive. This report's a huge undertaking 6 7 and takes a lot of work from all the business units and I want to thank them all on the record 8 9 today for that help. Again, Qingmei Li, she is one of our rock stars and she does the majority 10 11 of the heavy lifting on this. I will stop there and take questions. 12 13 TREASURER GOLDBERG: I am going to seek a motion in a second, then we can ask any 14 15 questions. Now I will seek approval of the draft 16 fiscal year 2018 PRIT fund comprehensive annual 17 financial report, better known as CAFR. That the PRIM Board approve the administration and audit 18 19 committee's recommendation to approve the draft 20 year 2018 PRIT fund comprehensive annual 21 financial report as attached in Appendix J of the expanded agenda and further to authorize the 22 23 Executive Director to take all actions necessary to effectuate this vote. 24

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1	Is there a motion?
2	MR. BROUSSEAU: So moved.
3	TREASURER GOLDBERG: Second?
4	MS. FITCH: Second.
5	TREASURER GOLDBERG: Questions or
6	comments? I want to reiterate that is an
7	enormous undertaking. It doesn't get the glory
8	and the attention of some of our fascinating
9	investments that we do but it is almost even more
10	critical than anything else we do. I want to
11	thank you and Deb and everyone for their it
12	requires collaboration to get the clean audits
13	that we get, to with the complexity of how you
14	evaluate all of our assets and what we do is
15	and to get the awards that we get for it is
16	something to really admire. So I wanted to add
17	that to the record. I am Deb Goldberg, by the
18	way. I forgot to say who I was.
19	MR. FALZONE: Happy to say I have been
20	on staff for all but the very first CAFR. So I
21	think I can tell you not only do our financial
22	statements look very different, but the CAFR
23	looks very different. I think that's due to a
24	lot of the work here. Even Matt Liposky and his

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1	team, they have to keep up with the PCS team and
2	the real estate team with some of the newer
3	investment strategies. The whole finance and
4	operational organization is involved and should
5	be commended.
6	TREASURER GOLDBERG: Great.
7	MR. FALZONE: Thank you.
8	MR. BROUSSEAU: I have seen all 14 of
9	them. Eric, this is PRIM's insurance policy.
10	TREASURER GOLDBERG: We don't need to
11	reinsure. Thank God. All right.
12	So with that, we have a motion. We have
13	a second. Bob?
14	MR. BROUSSEAU: Yes.
15	TREASURER GOLDBERG: Jim?
16	MR. HEARTY: Yes.
17	TREASURER GOLDBERG: Ruth Ellen?
18	MS. FITCH: Yes.
19	TREASURER GOLDBERG: Dennis?
20	MR. NAUGHTON: Yes.
21	TREASURER GOLDBERG: Carly?
22	MS. ROSE: Yes.
23	TREASURER GOLDBERG: Peter?
24	MR. MONACO: Yes.

1	TREASURER GOLDBERG: And myself
2	unanimous vote. Thank you. Okay.
3	MR. FALZONE: My next voting item is
4	the 2019 Proposed PRIM Board and committee
5	meeting schedule, which is at Appendix K. So
6	this schedule. We ran into a speed bump during
7	the Administration and Audit committee meeting.
8	We went back, made a few changes with a lot of
9	help from the treasurer and her staff and some of
10	our other members. We came up with what we have
11	here proposed as a schedule. The changes from
12	the schedule that was proposed at the last August
13	meeting are highlighted on page 26 of the
14	expanded agenda. I can read through them if need
15	be but for the most part they are
16	straightforward. Once the board approves this
17	schedule we will start sending calendar invites
18	out so everyone has them on their calendar.
19	TREASURER GOLDBERG: They are all here
20	on page 26.
21	MR. FALZONE: That's right. The
22	changes.
23	TREASURER GOLDBERG: That's a voting
24	item?

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1	MR. FALZONE: Yes.
2	TREASURER GOLDBERG: Seek a motion
3	that the PRIM Board approve PRIM staff's
4	recommendation to adopt the proposed 2019 PRIM
5	Board and committee meeting schedule attached as
6	Appendix K of the expanded agenda and further to
7	authorize the Executive Director to take all
8	actions necessary to effectuate this vote. Is
9	there a motion?
10	MR. NAUGHTON: So moved.
11	TREASURER GOLDBERG: Second?
12	MR. BROUSSEAU: Second.
13	TREASURER GOLDBERG: Any other
14	questions or comments on that? Hearing none,
15	Bob?
16	MR. BROUSSEAU: Yes.
17	TREASURER GOLDBERG: Jim?
18	MR. HEARTY: Yes.
19	TREASURER GOLDBERG: Ruth Ellen?
20	MS. FITCH: Yes.
21	TREASURER GOLDBERG: Dennis?
22	MR. NAUGHTON: Yes.
23	TREASURER GOLDBERG: Carly?
24	MS. ROSE: Yes.

1	TREASURER GOLDBERG: Peter?
2	MR. MONACO: Yes.
3	TREASURER GOLDBERG: And myself. Yes.
4	Unanimous vote. Okay.
5	I think that is that.
6	MR. FALZONE: So there are two more
7	voting items I was going to introduce and open up
8	for discussion, if that's okay. Michelle Witham,
9	the chair of our compensation committee, could
10	not attend today.
11	The last item on today's agenda is the
12	report of the compensation committee and there
13	are two voting items pertaining to the
14	compensation of the executive director and chief
15	investment officer, Michael Trotsky. I am going
16	to provide a brief summary of recommendations
17	before I turn it over to Bob for any additional
18	comments he or the Board may have.
19	As chair of the admin and audit committee
20	Bob is responsible for overseeing the performance
21	evaluation of the Executive Director and chief
22	investment officer. He is also a member of the
23	compensation committee. So first the
24	compensation committee voted unanimously at its

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November 15 meeting to recommend that the Board 1 2 approve 1.00 as the executive director/chief 3 investment officer's performance multiplier for 4 the fiscal year ending June 30, 2018. Based on the board's evaluation at its August 14, 2018 5 meeting of the executive director/chief 6 7 investment officer's performance as exceptional and outstanding. There is more detail on the 8 9 recommendation in the expanded agenda on pages 30 through 32 as well as in the transcribed minutes 10 11 of the August 14 board meeting at Appendix A. With that I will turn it over to Bob or 12 13 the Board for comment, questions. MR. BROUSSEAU: As the chair of the 14 15 admin and audit committee, the compensation 16 committee met and one of the things I was asked to do is an evaluation of the Executive Director. 17 It was basically what I did here in August, of 18 course. We know we discussed here in August and 19 approved Michael's goals and objectives. I did 20 the evaluation and following that we know that we 21 22 have to do his compensation in open session. Ιt 23 is required by state mandate. 24 TREASURER GOLDBERG: It is his

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1	favorite meeting of the year.
2	MR. BROUSSEAU: No. He has a couple
3	favorites. The one in August.
4	MR. TROTSKY: My evaluation takes six
5	months.
б	MR. BROUSSEAU: Now in November. So
7	the first one of course is his compensation has
8	two parts to it. The 80 percent is based on the
9	three-year performance of the fund, compared to
10	our benchmark as we all know. For people who are
11	new to it, the other 20 percent is his incentive
12	compensation. In order to give him an incentive
13	compensation you are asked to say whether he far
14	exceeds high expectations, which is a 1.00; meets
15	high expectations which would be 0.6; or does not
16	meet high expectations, which would be a O
17	increase in terms of his incentive compensation.
18	Well, as long as we have been doing this Michael
19	has always received a one in calculating the 20
20	percent of his incentive compensation. I move
21	now that you have the motion there, don't you,
22	for the compensation committee that we approve
23	the one factor?
24	TREASURER GOLDBERG: Yes. I would

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1	seek approval of the executive director's fiscal
2	year 2018 individual performance component, a
3	motion that the PRIM Board approve the
4	compensation committee's recommendation that sets
5	the Executive Director's fiscal year 2018
6	individual performance multiplier at 1.00.
7	Is there a motion.
8	MR. BROUSSEAU: So moved.
9	TREASURER GOLDBERG: Second?
10	MS. FITCH: Second.
11	TREASURER GOLDBERG: Any other
12	questions or comments about the multiplier?
13	Hearing none. Bob?
14	MR. BROUSSEAU: Yes.
15	TREASURER GOLDBERG: Jim?
16	MR. HEARTY: Yes.
17	TREASURER GOLDBERG: Ruth Ellen?
18	MS. FITCH: Yes.
19	TREASURER GOLDBERG: Dennis?
20	MR. NAUGHTON: Yes.
21	TREASURER GOLDBERG: Carly?
22	MS. ROSE: Yes.
23	TREASURER GOLDBERG: Peter?
24	MR. MONACO: Yes.

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1 TREASURER GOLDBERG: Myself, yes. The 2 motion carries. 3 MR. TROTSKY: Thank you. 4 TREASURER GOLDBERG: We are not done. 5 MR. BROUSSEAU: Part B is to set 6 salary, as you recall last year at this time we 7 discussed this and the compensation committee was empowered by this board to meet with our 8 9 consultant McLagen and to look at the ranges we have been using and to update them and make them 10 11 more relevant to PRIM and how we operate here as 12 a far different entity than we see in other 13 states given the nature of Boston and the 14 investment community here. 15 We are recommending the Board keep the 16 Executive Director/chief investment office salary 17 at the top quartile, 75 percent, of the updated salary range which is 360,000 to 540,000. 18 That 19 75 percent range means that we would recommend that Michael's salary be increased by \$25,000, 20 which would bring him to 495, which is the 75th 21 22 percentage of the range that we approved last 23 year I believe at the May meeting when we gave 24 the report from McLagen.

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1	TREASURER GOLDBERG: So I am going to
2	seek a motion, then we can have any further
3	comments. That the PRIM Board approve the
4	compensation committee's approval of the
5	Executive Director's compensation that the PRIM
6	Board approve the compensation committee's
7	recommendation to approve to approve or set.
8	MR. BROUSSEAU: To set the salary.
9	TREASURER GOLDBERG: To set the
10	executive director/chief investment officer's
11	compensation at the 75th percentile of the Board
12	approved salary range, or 495,000, effective
13	December 1, 2018.
14	Is there a motion.
15	MR. BROUSSEAU: So moved.
16	TREASURER GOLDBERG: Second?
17	MS. FITCH: Second.
18	TREASURER GOLDBERG: Discussion or
19	comment?
20	MR. BROUSSEAU: On page 31. I didn't
21	want to rehash something you can read but
22	basically it lays out of course the committee's
23	discussions, many things that were covered on
24	what Tony said and what I said. Some of the

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1	relevant information as to why we are trying to
2	keep salaries here at that using a range with
3	public and private entities so that we don't fall
4	behind as we did many years ago.
5	I think, as you can see, this has worked
6	well. This organization has grown, 45 people,
7	led by an Executive Director who receives
8	exemplary evaluations every year since I can
9	remember.
10	TREASURER GOLDBERG: Executive
11	Director.
12	MR. BROUSSEAU: Chief investment
13	officer as well. History is on page 31 and top
14	of page 32. If there are any questions or
15	comments by the board.
16	TREASURER GOLDBERG: I have something
17	to say.
18	MR. BROUSSEAU: Go ahead.
19	TREASURER GOLDBERG: Obviously I am
20	sure everyone has read the comments on 31 and 32
21	and I am going to sound like a broken record but
22	to me as an operations person who looks at how
23	organizations operate or work, I think that there
24	are several things to highlight. I think the

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environment under which we operate on a macro 1 level is extraordinarily competitive. You hear 2 3 Mike Bailey talk about how private equity is 4 doing and certainly Mike Trotsky could go out and join a private equity firm tomorrow. 5 MR. BROUSSEAU: Shush, don't say that. 6 7 TREASURER GOLDBERG: When I recommitted to four years he said he was staying. 8 9 But the point I am trying to make is that we are in an environment, and particularly with 10 11 the college endowments that are here in Massachusetts as our direct competitors, because 12 13 that's a form of public service, to be able to 14 have an Executive Director who can support people 15 internally to this organization, who is open to 16 constructive -- I don't want to use the word 17 criticism -- constructive advice, who works collaboratively with the treasurer's office and 18 19 also as we are looking towards -- we didn't even 20 talk about operation Save II, if that's what we 21 are calling it,. 22 MR. TROTSKY: Project Save II 23 TREASURER GOLDBERG: We have a 24 strategy and agenda moving forward that requires

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1	us to build on what we have, not disrupting
2	anything in any way. That all says to me that we
3	were fortunate to have Michael as our Executive
4	Director and CIO and look forward to moving
5	progressively together. So I just wanted to
б	but I also want to his ability to succeed is
7	because of the other people sitting around the
8	edge of this room. So part of my valuing him is
9	the fact that all of you are here and that's
10	equally as important. He recognizes that. If he
11	doesn't, call me. Anyone missing that I should
12	go then to their offices after?
13	(Laughter)
14	TREASURER GOLDBERG: The point I am
15	trying to make is this is a team effort.
16	
-	Michael, I believe, recognizes that. I just
17	Michael, I believe, recognizes that. I just wanted to add that color to our vote beyond the
17	wanted to add that color to our vote beyond the
17 18	wanted to add that color to our vote beyond the words on the page. If there is anyone else who
17 18 19	wanted to add that color to our vote beyond the words on the page. If there is anyone else who wants to say here, here or add anything to it.
17 18 19 20	wanted to add that color to our vote beyond the words on the page. If there is anyone else who wants to say here, here or add anything to it. MR. BROUSSEAU: I wanted to add. You
17 18 19 20 21	<pre>wanted to add that color to our vote beyond the words on the page. If there is anyone else who wants to say here, here or add anything to it. MR. BROUSSEAU: I wanted to add. You have got to see Michael in operation. I saw the</pre>
17 18 19 20 21 22	<pre>wanted to add that color to our vote beyond the words on the page. If there is anyone else who wants to say here, here or add anything to it. MR. BROUSSEAU: I wanted to add. You have got to see Michael in operation. I saw the  this fall, September 28, and every year enter</pre>

TREASURER GOLDBERG: It was on a 1 2 Jewish holiday. Just mentioning. I hope that 3 won't happen again. 4 MR. BROUSSEAU: Michael, Paul Francesco, people from PRIM were there. I 5 6 received glowing reports from trustees of MTRS on 7 the quality and clarity of Michael's presentation and how confident they were in what PRIM is doing 8 9 to invest. I know this part. Teacher retirement dollars. They were very pleased. I am probably 10 11 right with that. 12 MR. NAUGHTON: I think that we all 13 know how competent Michael is but he also has heart in what he does. That's the most important 14 15 thing. And I lie all the time over at the 16 teacher's retirement board about how great he is. 17 TREASURER GOLDBERG: Did you bake him Christmas cookies? 18 19 MR. TROTSKY: Not yet but I will. 20 MR. BROUSSEAU: They are coming. MR. MONACO: I can see Michael 21 22 blushing through the phone. TREASURER GOLDBERG: Peter, just for 23 24 that great comment, I am going to start the vote

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1	with you.
2	MS. FITCH: I really want to just
3	support everything that people I want to be on
4	the record as supporting what we have said and
5	what we are about to vote because I think it is
6	really important for the full board to reflect
7	the pride that we have in the work that you do.
8	MR. TROTSKY: My heartfelt
9	appreciation for your support and confidence and
10	it is a pleasure to work with you all. It is a
11	great job and a privilege to work in this seat.
12	MS. FITCH: Good.
13	TREASURER GOLDBERG: So with that, we
14	have a motion. We have a second. Peter?
15	MR. MONACO: An emphatic aye.
16	TREASURER GOLDBERG: Carly?
17	MS. ROSE: Yes.
18	TREASURER GOLDBERG: Dennis?
19	MR. NAUGHTON: Yes.
20	TREASURER GOLDBERG: Ruth Ellen?
21	MS. FITCH: Yes.
22	TREASURER GOLDBERG: Jim? Bob?
23	MR. HEARTY: Yes.
24	MR. BROUSSEAU: Yes waiting for the

cookies to come. TREASURER GOLDBERG: And myself. It is a unanimous vote. MR. TROTSKY: Thank you everyone. TREASURER GOLDBERG: That's our last vote of the day. We do have a couple more things on the agenda, I believe. Or did we skip over them? MR. FALZONE: More informational. TREASURER GOLDBERG: We have nothing in legal, right? MR. SUPPLE: Nothing. TREASURER GOLDBERG: Is that the end of the meeting? We were having so much fun. I would seek a motion to adjourn. MR. BROUSSEAU: So moved. TREASURER GOLDBERG: Second? MS. FITCH: Second. TREASURER GOLDBERG: Bob? Jim? Ruth Ellen? Carly? Peter? MR. BROUSSEAU: Yes. MR. HEARTY: Yes. MS. FITCH: Yes. MS. ROSE: Yes.

MR. NAUGHTON: Yes. TREASURER GOLDBERG: Me. Yes. (Whereupon the meeting was concluded at 12:07 p.m.)

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