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COMMONWEALTH OF MASSACHUSETTS
PENSION RESERVES INVESTMENT MANAGEMENT BOARD

Minutes of the February 15, 2018, Board Meeting
Commencing at 9:32 a.m.

in the
PRIM Board Offices
at 84 State Street
Boston, Massachusetts

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22 *Referred to and/or used at the meeting and
23 retained at the PRIM Board offices

24

A T T E N D E E S

Board Members:

Treasurer Deborah B. Goldberg, Chair

Robert L. Brousseau

James B.G. Hearty

Dennis J. Naughton

Paul E. Shanley, Esquire

Theresa McGoldrick (present via teleconference)

Other Attendees:

Sarah Kim, Esquire

Michael Trotsky

Erika Glaster

Nick Favorito

Patrick Brock

Kevin Blanchette

Mike DeVito

Maria Garrahan

Ed Caron

Alyssa Fiore

Andrew Gromer

Christina Marcarelli

Eric Nierenberg

Mike Manning

Phil Nelson

David Gurtz

Dr. Andre Clapp

Andre Abouhala

Chuck Laposta

Matt Liposky

Mike Bailey

Michael McGirr

Anthony Falzone

Chris Supple

Paul Todisco

P R O C E E D I N G S

- - -

A meeting of the Pension Reserves Investment Management Board (PRIM Board) was held on February 15, 2018, at the PRIM Board offices, located at 84 State Street, Boston, Massachusetts.

Call to Order:

The meeting was called to order and convened at 9:32 a.m. by Sarah Kim, Esquire. Treasurer and Receiver-General Deborah Goldberg chaired the meeting.

MS. KIM: Good morning, everybody. If you could take all your seats. It is that time.

For those of you who are wondering, no, I am not Treasurer Goldberg. My name is Sarah Kim. I am general counsel to the state treasurer. She is running a little late, so she has asked me, in the interest of the time, to begin the meeting.

So to start, the Massachusetts open meeting laws permit the meetings to be recorded and states that the chair or her designee shall inform attendees at the beginning of the meeting of any such recording. So accordingly, I am

09:30:01

09:30:01

09:32:02

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09:32:26

09:32:29

09:32:31

1 informing you that Megan Castro here, sitting to 09:32:34
2 my left, is transcribing and also recording this 09:32:39
3 meeting. 09:32:42

4 And if anyone else in attendance today is 09:32:42
5 recording the meeting, I would ask that you 09:32:45
6 please identify yourself? 09:32:47

7 (No voice heard.) 09:32:50

8 MS. KIM: It does not appear that anyone 09:32:50
9 else is recording the meeting. 09:32:52

10 So also, finally, I want to state, for 09:32:53
11 the benefit of the stenographer and to all of 09:32:56
12 those who are listening on the phone, please 09:32:58
13 identify yourselves by name before you speak and 09:33:00
14 please speak clearly and audibly. 09:33:05

15 So my second public service announcement 09:33:07
16 is that the PRIM Board has adopted the provisions 09:33:15
17 of the Massachusetts open meeting law that 09:33:17
18 promotes remote participation by a member when 09:33:20
19 physical attendance would be unreasonably 09:33:23
20 difficult, as is the case today with Theresa 09:33:25
21 McGoldrick, who, accordingly, will be 09:33:28
22 participating in today's meeting by telephone. 09:33:31

23 Theresa, are you on the phone? 09:33:37

24 MS. MCGOLDRICK: Yes, I am. Hello. 09:33:37

1	MS. KIM: Great.	09:33:39
2	So all votes need to be done by roll	09:33:45
3	call.	09:33:49
4	And then, Theresa, to the extent that you	09:33:49
5	can't hear any of us, please feel free to pipe up	09:33:54
6	and let us know that you can't hear the folks in	09:33:57
7	the room.	09:34:00
8	MS. MCGOLDRICK: Thank you.	09:34:02
9	MS. KIM: So I guess the first order of	09:34:05
10	business is the approval of the minutes from the	09:34:21
11	meeting of November 14, 2017. So I would seek a	09:34:25
12	motion to approve the minutes of the meeting.	09:34:32
13	MR. BROUSSEAU: So moved.	09:34:37
14	MR. NAUGHTON: Second.	09:34:42
15	MS. KIM: So the motion was Bob Brousseau	09:34:44
16	and the second was Dennis Naughton.	09:34:47
17	So no comments or questions on the	09:34:53
18	minutes? Okay. So hearing none, all those in	09:35:07
19	favor of -- I guess a roll call vote. Bob?	09:35:11
20	MR. BROUSSEAU: Yes.	09:35:11
21	MS. KIM: Paul?	09:35:14
22	MR. SHANLEY: Yes.	09:35:14
23	MS. KIM: Dennis?	09:35:14
24	MR. NAUGHTON: Yes.	09:35:14

1	MS. KIM: Jim?	09:35:14
2	MR. HEARTY: Yes.	09:35:16
3	MS. KIM: Theresa?	09:35:16
4	MS. MCGOLDRICK: Yes.	09:35:19
5	MS. KIM: And myself, for the treasurer,	09:35:19
6	yes.	09:35:22
7	(VOTED: To approve the minutes of the	09:35:22
8	November 14, 2017 meeting.)	09:35:22
9	MS. KIM: So with that over, the next	09:35:24
10	item on the agenda is the Michael's Executive	09:35:25
11	Director report.	09:35:29
12	MR. TROTSKY: Thank you, Sarah.	09:35:30
13	First, I want to welcome you all back.	09:35:31
14	Happy new year, everyone.	09:35:33
15	We have others attending today. First	09:35:35
16	Erika Glaster, from the teachers is here.	09:35:39
17	Next to her is Nick Favorito from the	09:35:46
18	state retirement board.	09:35:48
19	Patrick Brock is in the audience from the	09:35:49
20	Hampshire county retirement system, plus Admin	09:35:52
21	and Audit Committee and Compensation Committee.	09:35:58
22	Next to him is Kevin Blanchette, from	09:36:00
23	Worcester Regional, a proud founding member of	09:36:04
24	the PRIM investor advisory council, which will	09:36:05

1 meet later in the quarter. 09:36:08

2 Mike DeVito, I think you are here. Did I 09:36:09

3 see you? Behind Patrick. From PERAC. 09:36:13

4 Did I miss any other clients? I thought 09:36:16

5 Chuck Costra was maybe on his way from Essex. 09:36:21

6 So welcome everybody. I am excited about 09:36:25

7 today, to report some very good news on 09:36:27

8 performance. We have a busy agenda. I will talk 09:36:31

9 about current markets and economic conditions. 09:36:34

10 Again, I will review PRIT's very strong calendar 09:36:37

11 year 2017 performance numbers; a summary of 2018 09:36:43

12 annual plans; recommended asset allocation 09:36:47

13 changes, which are really quite minor changes, 09:36:50

14 more of the stay-the-course recommendation which 09:36:53

15 was approved unanimously at the Investment 09:36:55

16 Committee; and then we have to go through 10 09:36:58

17 additional voting items, which I guess we will do 09:37:01

18 by roll call. 09:37:04

19 First, an organizational update. I am 09:37:05

20 pleased this morning to announce one promotion 09:37:08

21 and two new hires. 09:37:11

22 First, Bill Li. Bill, where are you? 09:37:12

23 Bill, on the portfolio completion strategies 09:37:16

24 team, has been promoted to senior investment 09:37:18

1 officer. Bill was hired in May of 2016 as an 09:37:19
2 investment officer and has been an extremely 09:37:23
3 hardworking and valuable member of the investment 09:37:26
4 team, a really hard working member. Just about 09:37:29
5 everything you see on asset allocation and 09:37:33
6 portfolio completion strategy, Bill has worked 09:37:36
7 very hard on, among other things. 09:37:40

8 He works with Eric and has developed 09:37:42
9 initiatives, in addition to those things, on 09:37:48
10 hedge fund replication, alternative risk premia, 09:37:49
11 harvesting strategies, the hedge equity program 09:37:52
12 that we will be talking about today, and other 09:37:55
13 things. He is also responsible for due diligence 09:37:57
14 in manager sourcing in our direct hedge fund 09:38:01
15 portfolio. 09:38:05

16 He has a Master's degree in economics and 09:38:05
17 finance, from Brandeis, where he was one of 09:38:07
18 Eric's prize students, and a Bachelor's degree 09:38:10
19 from Dongbei University in China. Please join me 09:38:16
20 in congratulating Bill. 09:38:16

21 (Applause.) 09:38:16

22 MR. TROTSKY: Next to Bill, our latest 09:38:24
23 new employee, Maria Garrahan just joined Eric and 09:38:26
24 Bill on the portfolio completion strategies team 09:38:30

1 as an investment officer. She comes to us from 09:38:33
2 Columbia Thread Needle Investments, here in 09:38:36
3 Boston, where she spent two-and-a-half years as a 09:38:39
4 research analyst focusing on global asset 09:38:41
5 allocation. 09:38:45

6 Her experience, before that, included 09:38:46
7 working as a research assistant for Professor Ken 09:38:49
8 Froot, of the Harvard Business School, where she 09:38:53
9 focused on factor-based investment techniques. 09:38:55
10 And that is an element of investing that is 09:38:58
11 becoming increasingly important to us here at 09:39:01
12 PRIM. Maria holds a Master's degree in applied 09:39:03
13 economics, from Northeastern University, and a 09:39:06
14 Bachelor of Arts degree in economics, magna cum 09:39:10
15 laude, from Eastern Connecticut State University. 09:39:15

16 Welcome to the team, Maria. We are 09:39:16
17 excited to have you. 09:39:17

18 (Applause.) 09:39:17

19 MR. TROTSKY: A couple of seats down, Ed 09:39:22
20 Caron joined PRIM as an investment operations 09:39:25
21 analyst. He will work on accounting and 09:39:27
22 reporting on PRIM's private investments. Ed 09:39:30
23 comes to us from BNY Mellon, where he serviced 09:39:33
24 two large public plans. And before that, he 09:39:36

1 worked at State Street Bank. Ed is a graduate of 09:39:38
2 UMass Amherst, where he majored in finance. 09:39:41

3 Please welcome Ed to the team. 09:39:44

4 (Applause.) 09:39:44

5 MR. TROTSKY: A couple of other 09:39:50
6 announcements. Alyssa Fiore, a member of PRIM's 09:39:51
7 private equity team, and Andrea Gromer, behind 09:39:54
8 Jim Hearty, a member of the public markets team, 09:39:59
9 both received their CFA charters in November. 09:40:02
10 You know, that is a hard, three-part, three-year 09:40:05
11 exam, which also requires four years of work 09:40:09
12 experience. Congratulations on your 09:40:11
13 accomplishment. 09:40:15

14 (Applause.) 09:40:15

15 MR. TROTSKY: This brings the number of 09:40:17
16 PRIM investment staff who have earned their CFA 09:40:18
17 charters to nine. Nine members. And that is 09:40:21
18 about two-thirds of the entire investment staff. 09:40:23
19 We are proud of that. 09:40:26

20 I am also pleased that 09:40:27
21 Christina Marcarelli, on the real estate 09:40:29
22 team -- Christina, hiding over there -- has 09:40:33
23 volunteered to lead PRIM's diversity initiative. 09:40:35
24 As you know, all of us at PRIM recognize the 09:40:39

1 value of diversity of thought in our decision 09:40:41
2 making and of having a diverse staff. We are 09:40:44
3 getting together shortly after this meeting to 09:40:49
4 plan for the upcoming intern season, where we 09:40:51
5 will be taking at least two interns from the 09:40:55
6 treasurers program, plus a few other interns, and 09:40:59
7 I have no doubt that Christina will excel in this 09:41:02
8 important new role and thank you for taking that 09:41:06
9 on. 09:41:07

10 (Treasurer Goldberg entering meeting 09:41:07
11 room.) 09:41:07

12 MR. TROTSKY: Welcome, Treasurer. 09:41:11

13 TREASURER GOLDBERG: How are you? 09:41:12

14 MR. TROTSKY: Good. 09:41:13

15 Moving onto markets and performance. As 09:41:13
16 you know, the final quarter of 2017 was very 09:41:16
17 strong and it capped an outstanding year in the 09:41:19
18 financial markets, an outstanding year and one 09:41:22
19 that we don't often see. 09:41:25

20 In 2017, domestic stocks are up 21.8 09:41:28
21 percent. Developed international stocks were up 09:41:31
22 25 percent. And emerging market stocks were up 09:41:34
23 over 37 percent. 09:41:38

24 Even better, in an environment where 09:41:39

1 bonds are normally expected to lag -- we have 09:41:42
2 talked about a headwind for bonds for several 09:41:46
3 quarters now -- even they had strong positive 09:41:48
4 performance in 2017. Diversified bonds are up 09:41:51
5 3.5 percent and long duration bonds were up 09:41:55
6 almost 14 for the year, for 2017. So everything 09:41:58
7 was working very well. 09:42:02

8 It is important to put the recent market 09:42:03
9 volatility of the last few weeks into some 09:42:07
10 context. The current bull market, I will remind 09:42:10
11 you, began in March of 2009 and has been one of 09:42:13
12 the longest and steadiest on record, with stocks 09:42:17
13 gaining more than 300 percent -- more than 09:42:21
14 300 percent -- and volatility, as you know, 09:42:23
15 falling to record lows. 09:42:26

16 Since the November 2016 election, U.S. 09:42:27
17 stocks are up more than 26 percent. Developed 09:42:31
18 international stocks up more than 25 percent. 09:42:35
19 And emerging market stocks up more than 09:42:37
20 30 percent, while diversified bonds are 09:42:42
21 essentially flat and bond yields still remain at 09:42:46
22 historic low yields. 09:42:49

23 We have enjoyed unusually consistent 09:42:51
24 market gains over the past several months. In 09:42:53

1 fact, through January of this year, the SMP 500 09:42:57
2 rose for 15 consecutive months. 15 consecutive 09:43:01
3 months of rises in the S&P 500. That tied a 09:43:06
4 record set in the 1950s and is the highest 09:43:09
5 recorded string of consecutive gains in at least 09:43:13
6 90 years. So really impressive last 15 months. 09:43:20
7 So we believe, really, that the recent 09:43:23
8 February volatility should really come as no 09:43:25
9 great surprise. Markets, as you know, do not go 09:43:28
10 up in a straight line forever. And as you know, 09:43:30
11 we have been preparing for some turbulence in the 09:43:33
12 market. 09:43:36
13 Through yesterday, you know, we have had 09:43:37
14 a rebound. And for the first calendar quarter, 09:43:39
15 including yesterday, the S&P is still up 09:43:43
16 1.2 percent for the year. Developing 09:43:47
17 international markets are up about a percent for 09:43:49
18 the year. Emerging markets up over 2 percent. 09:43:53
19 And bonds down about 2 percent. So this should 09:43:56
20 be no great surprise to anybody here, that the 09:43:59
21 markets are becoming more volatile. And, as I 09:44:01
22 said, we have been preparing for some turbulence. 09:44:05
23 In fact, our risk mitigation strategies 09:44:08
24 have worked very well recently. Eric will speak 09:44:11

1 about that later, in terms of portfolio 09:44:13
2 completion strategies. But we are also very 09:44:16
3 pleased that we sold over a billion dollars, 09:44:18
4 \$1.1 billion, of global equity prior to the 09:44:21
5 recent market selloff, prior to the selloff. And 09:44:25
6 this was really a part of our normal monthly 09:44:28
7 rebalancing. So we stick to our guns. We 09:44:32
8 rebalance when things go up, and we are proud of 09:44:35
9 the timely sale of \$1.1 billion in global 09:44:39
10 equities before the selloff. 09:44:43

11 Today, we will be discussing some minor 09:44:45
12 adjustment to the strategic asset allocation, but 09:44:47
13 we continue to believe that our balanced, 09:44:50
14 diversified portfolio is appropriate for this 09:44:52
15 environment. 09:44:56

16 And in fact, today, we are delighted with 09:44:57
17 our the performance. And today, I am able to 09:44:59
18 announce that PRIT Fund performance of last year, 09:45:02
19 up 17.7 percent, was in the very top decile -- 09:45:05
20 top decile -- of all of our peer group, 09:45:11
21 countrywide. In fact, we know of no other plan 09:45:14
22 of our size or larger that outperformed us last 09:45:16
23 year. We are proud of this . 09:45:19

24 As I said before, we have accomplished 09:45:21

1 this with a lot lower risk than our peers. 09:45:25
2 Remember that our global equity allocation, 09:45:29
3 target allocation of 40 percent, is a full 09:45:33
4 10 percent below the average of our peers. Most 09:45:35
5 of our peers have 50 percent in global equities. 09:45:37
6 We are at 40, and we are still able to report 09:45:41
7 these very strong numbers. 09:45:43

8 Also, endowments and foundations, on 09:45:46
9 average, returned between 12 and 14 percent for 09:45:50
10 the calendar year. Again, we were up 09:45:53
11 17.7 percent. And last, while obviously we are 09:45:57
12 delighted about our strong performance in a 09:46:01
13 strong market like 2017, I also need to remind 09:46:03
14 you that in a weak market like we experienced in 09:46:07
15 fiscal 2016, we were, similarly, a top performer. 09:46:10
16 In fact, we know of no funds our size that 09:46:14
17 outperformed our 2.3 percent increase in fiscal 09:46:18
18 year 2016, which was a difficult one-year period, 09:46:21
19 in which global equities were down about 09:46:26
20 5 percent. 09:46:29

21 And as you know, many endowments, 09:46:29
22 foundations, and some pension plans actually lost 09:46:32
23 money in that time period. We were up. 09:46:35

24 So strong performance in both up markets 09:46:37

1 and down markets is really a great indication 09:46:40
2 that our strategies and our risk control is 09:46:44
3 working very well. And again, we should all be 09:46:47
4 very proud of that. 09:46:50

5 Turning to the economy. The overall 09:46:52
6 global economy continues to improve and, while 09:46:55
7 interest rates and inflation remain subdued, 09:46:58
8 there is a concern that inflation pressures are 09:47:01
9 mounting. You have read about that recently. 09:47:03
10 The unemployment rate, as reported last week, 09:47:05
11 remained at 4.1 percent for the fourth 09:47:08
12 consecutive month. And the participation rate 09:47:12
13 held steady at 62.7 percent. Average hourly 09:47:15
14 earnings rose more rapidly than expected with a 09:47:19
15 year-over-year gain of 2.9 percent, representing 09:47:23
16 the highest rate of wage growth since 2009. This 09:47:25
17 figure, more than any other, I believe, spooked 09:47:30
18 investors last week and many concluded that 09:47:34
19 inflation is finally rearing its head. 09:47:37

20 Yesterday, January inflation was 09:47:39
21 released. And even though headline inflation was 09:47:42
22 unchanged at 2.1 percent in January, core prices 09:47:45
23 increased by 0.3 percent month-over-month, and 09:47:49
24 that was above forecast and, actually, the 09:47:53

1 strongest one-month increase since 2005. In 09:47:55
2 January, core inflation reached its highest level 09:47:59
3 since 2011. 09:48:03

4 In terms of normally sparse, more 09:48:05
5 aggressive Fed policy -- that is what spooked the 09:48:10
6 market -- more aggressive Fed policy often turns 09:48:13
7 to dampen growth and is typically bad for markets 09:48:15
8 when that happens. "Don't fight the Fed" is 09:48:18
9 something that investors often talk about. 09:48:22

10 And while consensus is still for three 09:48:23
11 Fed rate hikes in 2018, we are beginning to hear 09:48:28
12 of the possibility of four Fed rate hikes. 09:48:32

13 Now, we monitor several positive economic 09:48:35
14 indicators in addition to that positive 09:48:37
15 employment news. Fourth quarter corporate 09:48:40
16 earnings have been very strong, with 80 percent 09:48:43
17 of the companies in the S&P 500 reporting fourth 09:48:44
18 quarter revenue above expectations, and that 09:48:48
19 compares to a long-term average rate of 09:48:50
20 60 percent reporting above expectations. 09:48:53

21 Manufacturing and industrial production 09:48:58
22 were strong, while retail sales yesterday came in 09:49:01
23 weaker, though some think that the flu and auto 09:49:04
24 sales played a big part of that weakness. And 09:49:09

1 conditions, really, for retail sales growth, 09:49:11
2 namely that rise in wage growth that I talked 09:49:14
3 about, still remain encouraging for retail sales 09:49:16
4 going forward. 09:49:20

5 In Europe, the Eurozone unemployment fell 09:49:20
6 to 8.7 percent for November. That is the lowest 09:49:23
7 jobless rate since 2009, a nine-year low. And 09:49:26
8 the ECB left policy unchanged, at its most recent 09:49:31
9 meeting. 09:49:36

10 China, as you know, completed its 19th 09:49:37
11 communist party congress in October, with no 09:49:40
12 major changes in that government. The Chinese 09:49:42
13 economy grew 6.9 percent in 2017. That is faster 09:49:44
14 than the 6.7 percent growth in 2016 and is 09:49:49
15 actually the first annual acceleration since 09:49:53
16 2010. 09:49:57

17 In Japan, growth remains consistent. 09:49:58
18 Exports hit a record high in 2017, rising to 09:50:03
19 15.7 percent. And the Japanese economy has 09:50:07
20 grown, now, for seven consecutive quarters. That 09:50:10
21 is the longest streak is nearly two decades. 09:50:13

22 On December 22nd, we all know, 09:50:16
23 President Trump signed the tax cuts and job act 09:50:19
24 into law. That is the new tax plan. The law 09:50:23

1 will lower individual and corporate tax rates, 09:50:26
2 eliminate many deductions, and is expected to 09:50:30
3 raise the federal deficit by billions of dollars. 09:50:33
4 It is also widely expected to boost near-term GDP 09:50:37
5 by as much as a half a percent, while the 09:50:41
6 longer-term effect of this tax plan is really the 09:50:43
7 subject of a lot of ongoing debate. 09:50:46

8 This week also, the Trump administration 09:50:49
9 released its infrastructure proposal and also a 09:50:51
10 \$4.4 trillion budget. The infrastructure plan 09:50:55
11 includes \$200 billion in federal funds that are 09:51:01
12 intended to stimulate more than \$1.5 trillion in 09:51:03
13 spending, mostly from local and state governments 09:51:07
14 and private entities over the next decade. The 09:51:09
15 impact of this plan is also the subject of 09:51:13
16 ongoing debate. 09:51:16

17 The Trump budget proposal that I 09:51:17
18 mentioned, \$4.4 trillion, increases military and 09:51:20
19 border security spending, while cutting many 09:51:25
20 domestic programs. Importantly, it projects 09:51:28
21 sustained deficits through at least the next 09:51:32
22 decade. And for next year, it now projects two 09:51:35
23 times the budget deficit projected at this time 09:51:38
24 last year. So twice the budget deficit is 09:51:41

1 projected. 09:51:45

2 The Trump budget forecasts 3 percent GDP 09:51:45

3 growth over the next decade -- that is up from 09:51:50

4 2.5 percent in 2017 -- and 3.2 percent growth for 09:51:53

5 next year. By contrast, the Federal Reserve is 09:51:56

6 forecasting 2.5 percent growth for 2018, 2.1 09:52:00

7 percent growth for 2019, and 1.8 percent growth 09:52:05

8 longer term. 09:52:09

9 Clearly, this budget will prompt 09:52:10

10 continued and prolonged difficult negotiations 09:52:12

11 going forward, and that is never a great thing 09:52:15

12 for the markets. 09:52:17

13 And with that, I want to remind the board 09:52:18

14 that the longer-term risks that we outlined last 09:52:21

15 year at this time, still remain. The economic 09:52:24

16 cycle is more than nine years old and there are 09:52:29

17 many uncertainties ahead. Still, this year, like 09:52:31

18 we did last year, we worry about the impact of 09:52:34

19 federal budget negotiations, federal budget 09:52:37

20 appropriations, tax reform, debt ceiling, North 09:52:40

21 Korea, immigration reform, currency manipulation, 09:52:45

22 tariffs, and trade agreements. And I am sure a 09:52:48

23 few of you could mention other things to worry 09:52:51

24 about. 09:52:54

1 Again, we continue to believe that our 09:52:54
2 portfolio is balanced and diversified and is 09:52:56
3 appropriate for this environment and its 09:52:59
4 performance in both up markets and down markets, 09:53:02
5 as I have described to you, is very encouraging. 09:53:05

6 Moreover, the adjustments that we will 09:53:08
7 recommend today, on asset allocation, which the 09:53:10
8 Investment Committee again unanimously approved, 09:53:13
9 I believe are well very timed and modest, they 09:53:16
10 are thoughtful, and essentially, we are staying 09:53:19
11 on course. 09:53:21

12 Any questions on any of that? 09:53:22

13 MR. NAUGHTON: I have a comment and a 09:53:27
14 question. 09:53:30

15 I find that whole thing that is going on 09:53:30
16 with the projection of 3 percent growth as the 09:53:34
17 backdrop to the administration's business to 09:53:36
18 really fit the bill of what George H.W. Bush 09:53:42
19 called in the 1980 election period, "voodoo 09:53:46
20 economics." That is my observation. 09:53:50

21 My question is, on the statistics on wage 09:53:55
22 growth, do those statistics include the one-time 09:53:55
23 bonuses that were given out left and right, or 09:53:59
24 just actual wage increases? 09:54:01

1 MR. TROTSKY: I don't actually know the 09:54:05
2 answer, but I can get back to you. Does anyone 09:54:06
3 know the answer? 09:54:10
4 DR. CLAPP: They include the one-time 09:54:11
5 bonuses. 09:54:13
6 MR. TROTSKY: They do include. Thank 09:54:14
7 you, Andrew. 09:54:14
8 MR. NAUGHTON: So in a sense, to me, that 09:54:14
9 is kind of a false base, because a one-time bonus 09:54:20
10 is gone. It is not part of an ongoing pay. 09:54:21
11 MR. TROTSKY: Right. 09:54:23
12 MR. BROUSSEAU: It is a million dollars. 09:54:25
13 MR. TROTSKY: Right. Point well taken. 09:54:27
14 TREASURER GOLDBERG: I just will comment 09:54:29
15 that I am on both the Taxation Committee and also 09:54:31
16 on an emergency working group with the other 09:54:35
17 treasurers, and we were in DC when the 09:54:40
18 infrastructure plan was released. Universally, 09:54:44
19 in a nonpartisan/bipartisan way, the treasurers 09:54:50
20 in general felt that this was not a plan that we 09:54:54
21 could support. 09:55:00
22 It is going to shift things to 09:55:03
23 municipalities and states, while taking away the 09:55:06
24 ability to do advanced refunding, which impacts 09:55:09

1 the long side of bonds. It also looks like, in 09:55:13
2 order to have money, there will be raiding other 09:55:18
3 things that come into communities, like the 09:55:22
4 highway fund, which the Virginia treasurer was 09:55:25
5 pretty well -- she was pretty wild, also, about 09:55:31
6 selling off her airports. So there were a lot of 09:55:35
7 things that were concerning. 09:55:37

8 We did try to take a positive stance and 09:55:40
9 compliment both the private activity bonds and 09:55:45
10 then there was a bipartisan bill filed on 09:55:48
11 Tuesday, to restore advanced refundings from the 09:55:52
12 committee. But the staff from Congressman 09:55:56
13 Shuster, who is the republican congressman in 09:56:05
14 charge of that committee, said that they had 09:56:06
15 major concerns about this proposed plan actually 09:56:08
16 being workable. 09:56:11

17 So hopefully, what comes out of all of 09:56:12
18 this is giving a lot more flexibility back to the 09:56:16
19 states and understanding their role in 09:56:21
20 infrastructure and infrastructure development. 09:56:26

21 There is the sense that there isn't 09:56:29
22 enough private capacity to actually do what is 09:56:31
23 anticipated by the plan and that it won't fill 09:56:36
24 that gap. 09:56:40

1 MR. TROTSKY: Right. 09:56:41

2 TREASURER GOLDBERG: And then also, where 09:56:41
3 will the income streams come from, that will 09:56:43
4 encourage the private activity investments? So 09:56:46
5 we are right on it and trying to protect the 09:56:52
6 taxpayers of this state from any kind of negative 09:56:57
7 impact. 09:57:00

8 MR. TROTSKY: Right. Thank you for that. 09:57:01

9 MR. NAUGHTON: May I ask a question of 09:57:03
10 the Treasurer? 09:57:05

11 MR. TROTSKY: Sure. 09:57:05

12 MR. NAUGHTON: So was the general sense 09:57:06
13 among the treasurers, when they met, that this 09:57:08
14 was primarily an economic plan as opposed to a 09:57:11
15 political plan? 09:57:13

16 TREASURER GOLDBERG: Can you restate that 09:57:14
17 a little bit? 09:57:17

18 MR. NAUGHTON: Yes. So when you look at 09:57:18
19 any plan that is released and you look at the 09:57:20
20 degree to which it has some grounding in reality, 09:57:23
21 economically, did the treasurers feel that this 09:57:26
22 was -- I am hearing you say that they had 09:57:30
23 misgivings. So what did they think prompted it? 09:57:33

24 TREASURER GOLDBERG: Oh, what prompted it 09:57:36

1 was that the president ran on that he was going 09:57:38
2 to invest over a trillion dollars in 09:57:41
3 infrastructure. That is what prompted it. 09:57:45

4 In order to fund the tax bill, certain 09:57:49
5 things occurred such as taking away advanced 09:57:57
6 refunding. We have already seen the effects of 09:58:00
7 it, in Massachusetts, on the long end of bonds. 09:58:05
8 So there were a lot of things that affected local 09:58:09
9 states universally. 09:58:13

10 And I want to remind people they there 09:58:14
11 are only 12 democratic treasurers. All the rest 09:58:16
12 are republicans. So when I say this is 09:58:21
13 nonpartisan and bipartisan, it really is. 09:58:21

14 MR. NAUGHTON: That is what was 09:58:26
15 fascinating me and that is why I asked the 09:58:27
16 question, whether they saw it as primally 09:58:29
17 economic or political. 09:58:31

18 TREASURER GOLDBERG: This plan is seen as 09:58:32
19 troublesome and not necessarily doable in the way 09:58:35
20 it is. 09:58:38

21 MR. NAUGHTON: So if Adam Smith was 09:58:38
22 right, there are certain things that you can't 09:58:38
23 get the private sector to invest in 09:58:41
24 significantly, so government has to step in? 09:58:42

1 TREASURER GOLDBERG: Government play -- I 09:58:46
2 have to say that one of the things that is very 09:58:47
3 nonpartisan is the way in which government issues 09:58:49
4 bonds, both at the municipal level, the state 09:58:53
5 level, and other funding sources that do go 09:58:56
6 towards infrastructure. We have a really old 09:59:00
7 infrastructure up here in the Northeast. There 09:59:03
8 are parts of the county that aren't quite as bad, 09:59:05
9 but there are aging infrastructures all over the 09:59:08
10 country. 09:59:10

11 And unless private activity can make a 09:59:11
12 lot of money on these things, the risks are 09:59:15
13 not -- it is the risk/reward. It is capitalism. 09:59:19
14 And so when they can't do it, then we have to use 09:59:23
15 all of the tools we have in the toolbox to get it 09:59:26
16 done. 09:59:28

17 That is not to say that private activity 09:59:28
18 doesn't have its place on certain investments. 09:59:31
19 It is just that you need to have the whole 09:59:35
20 toolbox, because the job is big. 09:59:36

21 MR. NAUGHTON: I guess what disturbs me 09:59:39
22 is that fact that this plan was released and 09:59:42
23 didn't seem to take account of the fact that 09:59:44
24 there might not be capital out there in the 09:59:47

1 private sector to invest as the plan anticipates. 09:59:49

2 TREASURER GOLDBERG: The good news is 09:59:53

3 that it has to go to Congress. And it seems that 09:59:54

4 there is a bipartisan approach in Congress to fix 09:59:56

5 some of these things. 10:00:00

6 MR. NAUGHTON: I look forward to seeing 10:00:01

7 that. 10:00:03

8 TREASURER GOLDBERG: I hope. 10:00:03

9 And that is where the treasurers are 10:00:05

10 trying to come into play. The good news is that 10:00:05

11 we were all in Washington on Monday. We had two 10:00:09

12 emergency meetings. There is a working group. 10:00:10

13 We are going to be nimble. We have lobbyists who 10:00:12

14 are working on the Hill on this. And we have 10:00:16

15 come out with public statements, press releases 10:00:20

16 and working directly with the lobbyists. 10:00:23

17 So it didn't get by us. We were 10:00:26

18 literally waiting for press conference on Monday. 10:00:28

19 We had conversations before and we had an 10:00:32

20 emergency meeting right after. 10:00:33

21 MR. NAUGHTON: So maybe there still are 10:00:36

22 some investment opportunities buried in there 10:00:37

23 that PRIM can capitalize on. 10:00:40

24 TREASURER GOLDBERG: Bringing it back to 10:00:43

1 PRIM, yes, maybe. 10:00:44

2 MR. TROTSKY: Maybe. 10:00:45

3 Okay. Thank you. 10:00:47

4 Turning to PRIT Fund performance, this is 10:00:49

5 in your Appendix. I will begin on page 2. I 10:00:52

6 will go through this quickly, because we did 10:00:56

7 review it -- 10:00:57

8 TREASURER GOLDBERG: Multiple times. 10:00:59

9 MR. TROTSKY: -- multiple times. 10:01:00

10 TREASURER GOLDBERG: We have seen it 10:01:04

11 before. I think Jim and I have seen it what, 10:01:06

12 three times? 10:01:08

13 MR. TROTSKY: I will begin on page 3. I 10:01:08

14 will skip page 2. 10:01:10

15 TREASURER GOLDBERG: Jim is going to give 10:01:13

16 this. You know what, I think the three of us 10:01:14

17 could do it together; right? 10:01:18

18 (Laughter.) 10:01:20

19 MR. TROTSKY: So page 3, net assets at 10:01:20

20 December were \$72 billion. For the one-year 10:01:24

21 period, the PRIT one was up 17.7 percent gross. 10:01:28

22 That is 17.2 percent net, 232 basis points above 10:01:31

23 benchmark, net of fees. And that equates to an 10:01:37

24 investment gain of \$10.8 billion, \$10.8 billion 10:01:39

1 net, over the last 12 months ending December. 10:01:43

2 The new part of this presentation is 10:01:47

3 that, versus peers, that is top decile 10:01:50

4 performance, 9th percentile compared to all plans 10:01:54

5 over \$25 billion. And again, we know of no other 10:01:58

6 fund of our size or bigger, that out performed us 10:02:02

7 in 2017. All of the data is not in. But it is a 10:02:06

8 pretty impressive gain. And again, foundations 10:02:10

9 and endowments were up far less, only up 12 to 10:02:14

10 14 percent. So we are quite proud of that. 10:02:18

11 The three-year performance ranking is 10:02:22

12 also 13th percentile, very close to the 10th 10:02:24

13 percentile. Five-year in the top quartile. And 10:02:30

14 we are also very proud of that. 10:02:33

15 Net outflows to pay benefits last year 10:02:36

16 were \$1.4 billion. You can see the three- and 10:02:39

17 five-year numbers are very strong, absolute. And 10:02:42

18 relative performance is an indication that our 10:02:44

19 managers are doing a very good job and, again, 10:02:48

20 well above the 7.5 percent actuarial rate of 10:02:51

21 return. 10:02:56

22 The 10-year number includes the world 10:02:56

23 financial crisis, and that should improve 10:02:59

24 steadily through the rest of this year, as we 10:03:01

1 drop a very bad year from that number. 10:03:03

2 Page 4, you can see what did well. On 10:03:05

3 the left, it was a market led by global equities. 10:03:08

4 And, of course, our private equity team continues 10:03:12

5 to deliver really strong performance. That will 10:03:16

6 continue into Q1 and possibly Q2. Mike will be 10:03:19

7 updating you on that in a minute. That is a 10:03:24

8 positive effect of the tax plan that I hope Mike 10:03:26

9 gets to tell you about. 10:03:28

10 But all asset classes were either at or 10:03:29

11 above their benchmarks. Each asset class head 10:03:33

12 will have a few minutes to discuss performance. 10:03:37

13 So we can take questions then. 10:03:41

14 And then I will just end performance, on 10:03:42

15 page 5, with our quilt chart, which shows a 10:03:45

16 long-term picture of what really drives the bus 10:03:51

17 here at PRIM. You can see global equity and 10:03:54

18 private equity are driving the bus for five 10:03:56

19 years. And global equity is kind of all over the 10:03:56

20 map for 10 years. It is a reminder to us that 10:04:00

21 global equities are the most volatile asset class 10:04:02

22 in our portfolio. 10:04:06

23 And, again, we produced a strong 10:04:08

24 performance with 10 percent less in global equity 10:04:13

1 than most other peers around the country. So we 10:04:16
2 are very proud of that. 10:04:20

3 I will stop and take any quick questions 10:04:21
4 on performance. But again, you will have the 10:04:23
5 opportunity to discuss performance with each 10:04:27
6 asset class in a few minutes. 10:04:29

7 MR. BROUSSEAU: Just to reiterate what 10:04:34
8 you said, Mike, we will have, of course, 10:04:36
9 representatives from teachers and state 10:04:38
10 employees. 10:04:40

11 But \$1.4 billion went to pay benefits and 10:04:40
12 that is only increasing, of course. I don't know 10:04:45
13 if the hole in your bucket, Madam Treasurer, got 10:04:48
14 smaller or larger, but \$1.4 billion was used, of 10:04:52
15 course, to pay benefits and we will continue at 10:04:56
16 that level, I think, for the foreseeable future. 10:04:58

17 TREASURER GOLDBERG: Our bucket got 10:05:00
18 filled a little bit more. 10:05:02

19 MR. BROUSSEAU: Yes. 10:05:03

20 MR. TROTSKY: We put \$10.8 billion in and 10:05:04
21 \$1.4 came out. 10:05:07

22 TREASURER GOLDBERG: I like that version. 10:05:09

23 MR. TROTSKY: I do think that payments 10:05:10
24 are expected to go up in the next few years. I 10:05:12

1 can't remember, exactly, the numbers, but we have 10:05:14
2 that. 10:05:18

3 MR. BROUSSEAU: I know I had asked Paul 10:05:18
4 the percentages a while back, Paul, a couple of 10:05:20
5 years ago. What percentage does PRIT pay of 10:05:23
6 pensions and what percentage comes out of the 10:05:28
7 state. 10:05:31

8 MR. TODISCO: When we looked at it last 10:05:31
9 time, Bob, I don't have updated numbers, but it 10:05:33
10 was about 50 percent. Now, the state is starting 10:05:35
11 to appropriate more money based on the most 10:05:41
12 recent funding schedule. I don't have any 10:05:43
13 updated information on that right now. 10:05:44

14 MR. TROTSKY: So I can move on to annual 10:05:47
15 plans now, just very briefly, and again, most of 10:05:49
16 you have already had a chance to review and ask 10:05:52
17 questions on our annual plan, so I will be brief. 10:05:55

18 Each year, I ask senior staff members and 10:05:57
19 each asset class head to prepare an annual plan. 10:06:00
20 Together, we review and revise these plans as 10:06:04
21 necessary and we all agree on goals and 10:06:06
22 objectives for the coming year. The annual plans 10:06:09
23 are presented in summary form in your expanded 10:06:12
24 agenda and in more detail in the appendices. 10:06:15

1 Please feel free to look at them and I 10:06:18
2 hope you have had an opportunity to review them. 10:06:20

3 We present these plans to the appropriate 10:06:23
4 committees for feedback and comment, so that 10:06:26
5 today, the plans can likewise be presented to you 10:06:29
6 for any additional feedback. You can either do 10:06:32
7 that today or anytime you want. Just call us and 10:06:35
8 give us some feedback. 10:06:39

9 We will revise the plans, as appropriate, 10:06:40
10 to incorporate any feedback received, and then I 10:06:43
11 will approve the plans in accordance with the 10:06:46
12 directives of our charter. So it is something we 10:06:49
13 do every year. 10:06:52

14 Importantly, the plans really don't 10:06:52
15 depart significantly from those presented last 10:06:55
16 year. There are essentially a continuation of 10:06:58
17 the innovative path we are currently on. As 10:07:01
18 such, I was planning only to highlight a few 10:07:05
19 important new initiatives today. 10:07:08

20 Again, we invite you to comment, either 10:07:09
21 today or later, when each asset class head is 10:07:12
22 before you. 10:07:16

23 So please, briefly, turn to page 6 in 10:07:17
24 your expanded agenda. 6 through 10 is where the 10:07:22

1 narrative starts in the expanded agenda. 10:07:27

2 And I will begin by just pointing out a 10:07:30

3 few things on page 7, in public markets. You 10:07:33

4 will hear today about a change in the 10:07:36

5 active/passive split in emerging markets 10:07:39

6 equities. You will also hear a new search of 10:07:42

7 U.S. microcap equities. 10:07:45

8 Project SAVE continues with phase 2, and 10:07:49

9 Michael Even, on the Investment Committee, is 10:07:52

10 helping us spearhead that. It is to research and 10:07:53

11 potentially implement internal investment 10:07:56

12 management strategies here at PRIM. 10:08:00

13 And then last, in public markets, we are 10:08:03

14 scheduled to review and update the investment 10:08:07

15 policy statement. That is something we do 10:08:10

16 periodically, and we are up for that now. 10:08:13

17 In the PCS group in strategy, we are 10:08:16

18 going to continue to refine and implement the 10:08:19

19 asset allocation framework that we spoke really a 10:08:22

20 lot about at the Investment Committee meeting. 10:08:26

21 You will have a very short glimpse of that today. 10:08:28

22 But we are doing a lot of work on our asset 10:08:33

23 allocation framework. 10:08:34

24 Eric Nierenberg, our in-house professor, 10:08:35

1 if you will, is going to increase the scope and 10:08:40
2 frequency of the PRIM university seminars, which 10:08:42
3 are educational opportunities for all of our 10:08:46
4 employees here, really touching on really 10:08:50
5 important major topics in finance. And we do 10:08:54
6 that every couple of months. We have a 10:08:56
7 couple-hour session that Eric runs, and it is 10:08:59
8 really quite interesting and very enjoyable and I 10:09:01
9 think very additive to not only the culture, but 10:09:05
10 our knowledge base here. 10:09:09

11 We are going to be talking today about an 10:09:10
12 emerging managers direct hedge fund program that 10:09:13
13 is new this year. And private equity, with your 10:09:16
14 approval today, we will be increasing our private 10:09:18
15 equity allocation from 11 to 12 percent. And 10:09:21
16 that means upping the commitment rate to almost 10:09:24
17 \$2 billion. It is a lot of work for Mike and his 10:09:28
18 team, but I know it they are up for it and 10:09:31
19 excited to do it. 10:09:33

20 And as part of that, they will be 10:09:35
21 continuing to increase the portfolio rates tilted 10:09:38
22 to small and midcap buyouts, rather than large 10:09:41
23 buyouts. And also, growth equity managers will 10:09:44
24 receive a larger proportion of our asset, 10:09:49

1 something that Mike McGirr and the whole team 10:09:51
2 really has worked to identify as a really great 10:09:54
3 new opportunity for PRIM private equities. 10:09:59

4 And you will be hearing today, an 10:10:04
5 expansion of our co-investment program. 10:10:06

6 In risk management, we are going to 10:10:09
7 complete the new PRIT Fund risk summary reports. 10:10:10
8 And the risk team will collaborate with strategy 10:10:15
9 and asset class heads to research and implement 10:10:18
10 new approaches for asset allocation, manager 10:10:21
11 selection, and portfolio construction. We are 10:10:24
12 excited about that. 10:10:27

13 Real estate, Tim and his team are about 10:10:28
14 to launch an RFP to hire new private real estate 10:10:33
15 investment managers. I believe that goes out in 10:10:39
16 the next few weeks, the RFP. We are excited 10:10:43
17 about that. 10:10:45

18 Also in the real estate and timberland 10:10:46
19 team, we are going to continue to develop PRIM's 10:10:48
20 direct investing infrastructure, and we hope to 10:10:50
21 identify two to three investment opportunities 10:10:55
22 similar to that land deal we did on a direct 10:10:57
23 basis in Silicon Valley last year. 10:10:59

24 I think Tim and his team have done a 10:11:02

1 really fantastic job in creating a business plan 10:11:04
2 for direct investment in real estate and I think 10:11:07
3 it is a great opportunity. 10:11:10

4 In finance and administration, just a few 10:11:11
5 highlights. We have a lot of key vacancies to 10:11:17
6 fill, including human resources and an IT head. 10:11:20
7 We are going to complete the required board 10:11:26
8 governance manual and charter review, as well as 10:11:29
9 the employee handbook. 10:11:32

10 And I think I will end there and take any 10:11:34
11 questions. Hopefully, you have had a chance to 10:11:37
12 look through these annual plans. These annual 10:11:39
13 plans essentially become my personal goals that 10:11:42
14 you will evaluate me on next year. 10:11:45

15 So any questions there? 10:11:48

16 MR. BROUSSEAU: Just a question, Mike. I 10:11:51
17 think, if I look at this, we are adding, is it 10:11:53
18 two or three more staff people in these plans for 10:11:56
19 this year? Is it two or three? 10:12:02

20 MR. TROTSKY: Each asset class currently 10:12:05
21 has one vacancy on their team. With your 10:12:07
22 approval, we have decided to deepen the bench, 10:12:11
23 here at PRIM. We are very lean, with \$72 billion 10:12:16
24 and a very small staff. We feel it is really a 10:12:20

1 strategic necessity to build our bench. 10:12:23

2 So each asset class head has one vacancy, 10:12:27

3 that will take us a while, frankly, to hire. We 10:12:30

4 are in no real rush to do it. We do want to 10:12:34

5 build the bench, but we want to make sure our 10:12:37

6 hires are the best hires we can possibly make. 10:12:40

7 And then we have two higher level hires, 10:12:44

8 director of HR and director of IT, which are a 10:12:50

9 little bit more urgent in nature and quite far 10:12:52

10 along, too, I believe. 10:12:56

11 MR. BROUSSEAU: You made my second 10:12:58

12 comment. With the \$72 billion, I don't know 10:13:00

13 how -- I know we are able to get the work done, 10:13:04

14 but I think it is stretching things a great deal, 10:13:06

15 especially with the staff. 10:13:09

16 MR. TROTSKY: That's right. We all work 10:13:10

17 hard here. 10:13:13

18 TREASURER GOLDBERG: In particular, if 10:13:17

19 one of your goals is to do more of the investment 10:13:18

20 management internally, we are going to need more 10:13:21

21 people. 10:13:24

22 MR. TROTSKY: Yes. 10:13:24

23 TREASURER GOLDBERG: Okay. 10:13:25

24 MR. TROTSKY: I think we can move into 10:13:30

1 asset allocation. I invite Eric to come up. 10:13:32

2 And before he starts on our asset 10:13:39

3 allocation discussion, I do want to introduce the 10:13:41

4 topic. The current market environment highlights 10:13:45

5 something that we have been communicating with 10:13:52

6 you on regularly. We have said consistently that 10:13:54

7 we do not believe that this is a good time to be 10:13:58

8 taking on more risk, in light of all of the risks 10:14:01

9 in the marketplace that we have outlined. The 10:14:05

10 asset allocation recommendations today, are 10:14:07

11 really an evolution of the path that we have been 10:14:10

12 on for the past several years. 10:14:13

13 And again, I really want to take the time 10:14:16

14 to highlight our top core beliefs, as we entered 10:14:18

15 this asset allocation process. 10:14:21

16 Number 1, we are guided by our mandated 10:14:24

17 rate of return. The actuarial rate of return, 10:14:27

18 which is currently 7.5 percent -- and I am not 10:14:32

19 sure whether there is discussion of bringing that 10:14:34

20 down or not. We will have to catch up on that. 10:14:36

21 But 7.5 percent. It still makes it 10:14:39

22 necessary to have a relatively aggressive 10:14:42

23 portfolio in this environment, with lots of 10:14:44

24 equity risk. 10:14:47

1 Number 2, we make sure that every active 10:14:48
2 manager we hire -- active managers earn the fees. 10:14:51
3 We make sure that every active manager we hire 10:14:54
4 has skill, and we have developed in-house tools 10:14:57
5 to identify managers with skill. Eric and his 10:15:01
6 team have done a very good job at that. 10:15:03
7 We only pay active management fees for 10:15:06
8 managers with skill. And an attractive manager 10:15:10
9 to us, will produce strong returns that cannot be 10:15:13
10 explained by persistent biases, by persistent 10:15:16
11 factor tilts. So we are looking for something 10:15:21
12 different from our managers. 10:15:23
13 Number 3, we believe that any investment 10:15:25
14 must be evaluated on three equally important 10:15:27
15 parameters. And I know, Patrick, you like this 10:15:30
16 one. The three parameters are return, risk, and 10:15:34
17 cost. 10:15:37
18 Too often, in a year like we have just 10:15:38
19 had in 2017, investors are way too focused on 10:15:41
20 return and less focused on risk and cost. We 10:15:47
21 don't fall into that trap. We evaluate every 10:15:51
22 investment on return, risk, and cost. And we 10:15:55
23 believe it is incomplete to evaluate a manager on 10:15:58
24 any one of those. 10:16:01

1 Number 4, and closely related, we value a 10:16:02
2 basis point of cost reduction more than a basis 10:16:07
3 point of return. Why, you might ask? It is 10:16:09
4 simple. We can count on cost savings every year. 10:16:13
5 But nobody ever really knows what the markets 10:16:16
6 will deliver. And as you see, the markets are 10:16:19
7 becoming a little bit more turbulent lately. 10:16:22
8 Number 5, nobody can predict the future, 10:16:25
9 so we don't even try here at PRIM. We don't try 10:16:30
10 to predict the future. 10:16:32
11 Number 6, nobody can predict the stock 10:16:34
12 market, on a near term basis, so we don't try to 10:16:37
13 do that, either. 10:16:40
14 Remember, Brexit was supposed to cause a 10:16:42
15 permanent downturn in the market? I have talked 10:16:43
16 to you about how the markets have soared. The 10:16:46
17 outcome of the U.S. presidential election was 10:16:48
18 also supposed to have caused a permanent downturn 10:16:51
19 in the markets; it hasn't. 10:16:54
20 And last, every strategic decision we 10:16:56
21 make on asset allocation really complies with our 10:16:59
22 "do no harm" rule. We try to find assets or 10:17:02
23 strategies that improve the overall risk/return 10:17:05
24 profile of the entire fund. 10:17:08

1 That is a good segue into what Eric will 10:17:11
2 talk to you about and he will be introducing the 10:17:14
3 recommendations on asset allocation. 10:17:18

4 MR. NAUGHTON: Can I just ask a quick 10:17:21
5 question? 10:17:24

6 MR. TROTSKY: Sure. 10:17:24

7 MR. NAUGHTON: So getting back to the 10:17:25
8 anticipated rate of return, to what extent, if at 10:17:28
9 all, would this plan we are going to hear about 10:17:30
10 this morning have to be revisited if that 10:17:33
11 expectation went forward? 10:17:38

12 MR. TROTSKY: Our current asset 10:17:40
13 allocation projects that over the next five to 10:17:42
14 seven years, the expected return on our portfolio 10:17:46
15 is 6.8 percent. So we are already communicating 10:17:49
16 that it is going to be difficult to earn the 7.5 10:17:53
17 percent. We have been communicating now. 10:17:57

18 Now, the 6.8 percent is really a passive 10:18:00
19 return on our portfolio. So it is possible, with 10:18:03
20 good manager selection, that we earn the 7.5 10:18:06
21 percent, but I think, Dennis, we have been 10:18:11
22 consistent in saying that, for the next little 10:18:13
23 while, it is going to be difficult to reach that, 10:18:16
24 especially with periods like we have just had. 10:18:18

1 17.7 percent return. One could argue that that 10:18:21
2 kind of borrows from future returns. It is a 10:18:25
3 really strong year. And you can't have too many 10:18:28
4 of those in a row. 10:18:31

5 TREASURER GOLDBERG: Yes. The last one 10:18:33
6 that was that return was 2014 or '15, '14. 10:18:34

7 MR. TROTSKY: Right. 10:18:40

8 TREASURER GOLDBERG: Right. 10:18:41

9 MR. NAUGHTON: But if we are targeting 10:18:44
10 7.5 now, if it were reduced, we would be in a 10:18:46
11 good place. 10:18:50

12 MR. TROTSKY: We would be in a good 10:18:50
13 place. I don't think it would change things. 10:18:51

14 TREASURER GOLDBERG: It will increase the 10:18:53
15 unfunded liability. 10:18:54

16 MR. BROUSSEAU: Is there any knowledge 10:18:56
17 back, that you are aware of, that PERAC is 10:18:57
18 thinking of dropping this rate? 10:19:01

19 TREASURER GOLDBERG: Well, if you look at 10:19:02
20 what is going on across the country, all funds 10:19:11
21 are reducing the rate of return. Proper judgment 10:19:14
22 would suggest that that is something we need to 10:19:19
23 do. The long term goal should be at 7 or below. 10:19:21
24 The timing of when you do it is the question. 10:19:32

1 In the three-and-a-half years that I have 10:19:38
2 been having these conversations, we went from 10:19:41
3 8.25 down to 7.5. So we are reducing it a 10:19:43
4 quarter at a time. We took a pause, because 10:19:48
5 also, the actuarial saw enormous growth in 10:19:51
6 longevity. So consequently, the two of them 10:19:56
7 together, were a large increase in the unfunded 10:20:00
8 liability. 10:20:06

9 On the other hand -- well, not large. 10:20:06
10 But a larger than anticipated increase. 10:20:08

11 But I do anticipate that you will see a 10:20:13
12 recommendation, at some point in the near term 10:20:16
13 future, of 7.25. We wouldn't jump from 7.5 to 10:20:20
14 6.8. 10:20:25

15 Different pension funds across the 10:20:25
16 country are taking multiple different approaches. 10:20:30
17 In California, they were only going to drop the 10:20:34
18 rate of return if they reached certain 10:20:37
19 benchmarks, but now they changed that; now they 10:20:39
20 are going to be dropping the rate of return 10:20:41
21 regardless of the benchmarks. 10:20:43

22 So it is debatable, but I think you could 10:20:45
23 anticipate seeing that happening not too far in 10:20:48
24 the future. 10:20:52

1 MR. NAUGHTON: It is no secret, I don't 10:21:59
2 think, that if the so-called unfunded liability 10:22:01
3 dropped below 50 percent, that that is going to 10:22:05
4 be a significant political problem, particularly 10:22:08
5 for people who collect pensions and who have a 10:22:14
6 defined benefit program. Because it will, again, 10:22:18
7 obviously, open the door to general attacks by 10:22:22
8 people who love to do it, using us as their 10:22:24
9 example. 10:22:28

10 MR. BROUSSEAU: Some states are already 10:22:29
11 talking about cutting benefits if they fall below 10:22:31
12 a certain amount. 10:22:35

13 MR. NAUGHTON: So there is a range of 10:22:37
14 considerations, to me, about cutting the 10:22:38
15 anticipated rate of return, other than the rating 10:22:40
16 agencies. Not that I don't understand it is 10:22:44
17 important economically, but. 10:22:51

18 MS. PEREZ: Just to comment on that, the 10:22:55
19 rating agencies do their own calculations as 10:22:56
20 well. So they are going to use any rate that 10:22:58
21 they think is reasonable, and they run their own 10:23:00
22 collection. So they look at what we put in our 10:23:03
23 disclosure document, but each one has their own 10:23:06
24 sort of model that they are using and ranking 10:23:10

1 consistently, across the country, all of the 10:23:13
2 states. 10:23:15

3 So Dennis, I hear your point. But if 10:23:15
4 they think the right rate is 7 or less than 7, 10:23:19
5 then they are doing some sort of calculations 10:23:21
6 themselves. 10:23:23

7 MR. NAUGHTON: We have no control over 10:23:25
8 them. So I am talking about things that we do 10:23:27
9 have control over. 10:23:29

10 MS. PEREZ: Correct. 10:23:30

11 MR. BROUSSEAU: We don't know what 10:23:31
12 process they are using or what information they 10:23:33
13 bring into their calculation judgments. 10:23:34

14 MS. PEREZ: They try to make it so it is 10:23:36
15 a consistent comparison across the states. So to 10:23:38
16 factor in the fact that some may still be at 8, 10:23:43
17 some may be at 6.5. So they try to come up with 10:23:45
18 a model that would make it comparable across all 10:23:49
19 the states. 10:23:52

20 MR. BROUSSEAU: I think for at least the 10:23:53
21 last ten years we have been saying the five- to 10:23:55
22 seven-year outlook is single-digit returns. So 10:23:56
23 if we go by us the last three years, the last two 10:24:01
24 years and since the great recession, we have done 10:24:03

1 better than that. We have all not only have beat 10:24:06
2 everything, we are over 9 percent annualized, 10:24:10
3 since the inception of the fund in 1984. So 10:24:13
4 probably the reality for PRIM, at least, argues 10:24:17
5 against what they are doing. 10:24:22

6 TREASURER GOLDBERG: Well, the problem 10:24:24
7 is, also, over that time, though, the state very 10:24:25
8 often did not put into the amount that they were 10:24:29
9 supposed to. So that is part of the dynamic. 10:24:32
10 The Governor and A&F and I have worked together 10:24:35
11 on insuring that there are moneys that are going 10:24:38
12 into the pension fund, since I have arrived, at 10:24:42
13 least. And the continuation of them, because it 10:24:44
14 was supposed to end this year, actually -- last 10:24:47
15 year, 2017. But we came up with a plan last year 10:24:51
16 to continue funding that. 10:24:55

17 And also, I have been hugely aggressive 10:24:58
18 on the rainy day fund, because that, believe it 10:25:02
19 or not, the rating agencies are more focused on 10:25:04
20 the fact that there was a spend down in the rainy 10:25:08
21 day and that it has not been replenished. Having 10:25:10
22 those discussions with others are not always 10:25:15
23 easy, because they don't understand how that 10:25:17
24 immediately costs the state more and impacts the 10:25:22

1 state more on other issues. 10:25:24

2 Yes? 10:25:26

3 MR. SHANLEY: To add to what you said 10:25:31

4 earlier, the other thing that was a contributing 10:25:34

5 factor is they waited a long time to adjust the 10:25:35

6 mortality tables. It has been there, it has been 10:25:38

7 sitting there. And they knew, once they did it, 10:25:42

8 it would take a hit. But it is a realistic hit. 10:25:45

9 Everyone is living longer. 10:25:48

10 MR. BROUSSEAU: There are people like me; 10:25:51

11 right? 10:25:52

12 MR. SHANLEY: Yes, like you. 10:25:54

13 MR. TROTSKY: Not only that, but they 10:25:54

14 aren't finished making those adjustments. 10:25:56

15 TREASURER GOLDBERG: But I feel that this 10:25:59

16 state is all going in the correct direction of 10:26:00

17 being fiscally responsible in looking at the 10:26:03

18 various things that one should be doing in terms 10:26:07

19 of their general financials. 10:26:11

20 And so with that, I think we should turn 10:26:13

21 back to the agenda, because Eric has very 10:26:16

22 patiently been sitting there, in order to share 10:26:20

23 with us his recommendations. 10:26:22

24 MR. NIERENBERG: Thank you, Treasurer. 10:26:24

1 Good morning everybody. 10:26:27

2 I will be very brief. And after my 10:26:28
3 comments, as is usual practice, we will invite 10:26:31
4 Mike Manning and Phil Nelson, from NEPC, to come 10:26:34
5 up and share their insight and comments on our 10:26:38
6 proposed plan and also their assumptions and 10:26:40
7 outlook as well. 10:26:43

8 So I am glad to have the privilege to 10:26:44
9 talk to you about asset calculation. It is part 10:26:47
10 of my role as chief strategy officer. It is one 10:26:49
11 of my highest priorities for both this year and 10:26:53
12 for many years to come. 10:26:55

13 I started out by saying that it is a 10:26:56
14 great way to work with my colleagues, I think, in 10:27:00
15 a very thoughtful approach, where we are trying 10:27:03
16 to marry both the granular insights from 10:27:05
17 on-the-ground investing with some other 10:27:10
18 interesting analytical tools, which are 10:27:13
19 enhancements, which I think we have brought to 10:27:15
20 the process this year and, as Michael mentioned, 10:27:18
21 we want to continue building upon it in the 10:27:21
22 future as well. 10:27:22

23 I guess the most important takeaway from 10:27:23
24 the plan today is that our overall asset 10:27:26

1 allocation plan is relatively unchanged. So I 10:27:28
2 will talk about the specific recommendations in a 10:27:33
3 moment. But as I referenced before, what I think 10:27:35
4 is interesting, in particular, is talking about 10:27:38
5 some of the enhancements we have made to the 10:27:40
6 process. And I give my colleague, Bill Li, 10:27:43
7 tremendous credit for helping formulate some of 10:27:46
8 these ideas. They give us an additional lens to 10:27:50
9 look at our asset allocation plan and give us a 10:27:53
10 higher degree of confidence that the proposed 10:27:56
11 allocation among different assets will meet our 10:28:00
12 primary objectives that we have here at PRIM, in 10:28:03
13 both terms of return and risk. 10:28:07

14 And so with that, I am not going to spend 10:28:09
15 a lot of time on the presentation, but Appendix G 10:28:13
16 is the set of slides that I am speaking to. If 10:28:16
17 you turn to page 5, I think starting with those 10:28:20
18 objectives is important, because we are focused 10:28:23
19 here on strategic asset allocation, not tactical 10:28:26
20 asset allocation. 10:28:30

21 Most of the investment industry, if you 10:28:32
22 talk to people about asset allocation, they are 10:28:33
23 usually focused on tactics; where should we be in 10:28:36
24 the next three months or six months? Should we 10:28:40

1 be in stocks? Should we be in bonds? 10:28:43

2 Given the very long-term focus of PRIM, 10:28:46

3 given the low withdrawal rate, we need to have a 10:28:50

4 long-term focus and that means a strategic asset 10:28:54

5 allocation, as opposed to a tactical one. 10:28:59

6 But first, you have to define your 10:29:01

7 objectives. So I think we have talked 10:29:03

8 extensively already about the primary objective, 10:29:04

9 which is meeting that legislatively mandated 7.5 10:29:08

10 percent return target over the long term. 10:29:12

11 In tandem with that, whether it is 10:29:15

12 explicit or implicit within that, is a desire to 10:29:19

13 keep that drawdown risk in check. If we could 10:29:20

14 obtain a 7.5 percent return without ever losing 10:29:23

15 money, that would be an ideal circumstance. It 10:29:26

16 is also not possible, given that, to some degree, 10:29:29

17 we have to take what the markets give us. But 10:29:33

18 that being said, it doesn't mean that you can't 10:29:36

19 do a good job trying to keep the amount of 10:29:38

20 drawdown risk as low as possible, while still 10:29:43

21 having a credible plan to get your return. 10:29:45

22 So the framework that is on page 6 is an 10:29:48

23 interactive process that tries to merge both the 10:29:52

24 qualitative inputs, how we feel about asset 10:29:55

1 classes, using their experts, such as NEPC and 10:29:58
2 our own insights, and marrying that with our 10:30:01
3 quantitative modelling that helps give us, I 10:30:05
4 think, a -- triangulate better in whether we have 10:30:08
5 the right kind of plan. 10:30:12

6 Before I even start on page 6, I just 10:30:14
7 also want to mention that this approach is very 10:30:16
8 gradual in nature and, similar to past years, 10:30:19
9 this is the culmination of a set of meetings that 10:30:23
10 we started back in the fall, both internally and 10:30:26
11 in conjunction with NEPC, where we would discuss 10:30:30
12 our different views on things, go back and forth, 10:30:34
13 and then ultimately resulting in this plan. 10:30:36

14 So as Michael mentioned, you start with 10:30:39
15 this idea of doing no harm. You don't want to be 10:30:42
16 making any sort of rash judgements or knee-jerk 10:30:46
17 reactions to market movements. Then we 10:30:49
18 incorporate the qualitative assessments from our 10:30:52
19 team and outside advisors and then, importantly, 10:30:55
20 Michael mentioned the frameworks that we have 10:30:59
21 developed that will help us source managers 10:31:01
22 better, that we have used in PCS and all some of 10:31:04
23 the other areas. And that also -- a way that 10:31:07
24 ties into asset allocation is that new exposures 10:31:10

1 and strategies can be sourced globally, using 10:31:14
2 some of these techniques to help augment the plan 10:31:17
3 at the margin. 10:31:20

4 Again, this is all kind of marginal 10:31:21
5 changes, enhancements, rather than kind of making 10:31:22
6 a wholesale overhaul. 10:31:26

7 In the second step, any proposed 10:31:29
8 portfolio can then be modelled to assess the 10:31:34
9 likelihood of meeting these two objectives. It 10:31:37
10 gives a consistent methodology into which to 10:31:41
11 compare and contrast what would otherwise be very 10:31:45
12 disparate asset allocation proposals. 10:31:45

13 So that is how we did things this cycle, 10:31:48
14 similar to past years, but, again, with a refined 10:31:50
15 process. 10:31:52

16 We won't be covering this today, but in 10:31:53
17 this presentation, Appendix 1 has the so-called 10:31:55
18 elevator pitches for outlet summaries from each 10:31:58
19 of the different asset class heads. And 10:32:01
20 Appendix 2, for those interested, is a more 10:32:03
21 granular presentation of the factor methodology 10:32:05
22 we utilized, that Bill Li put together. 10:32:08

23 So with that, why don't I turn to page 10:32:11
24 11, which has the specific proposals for this 10:32:16

1 year? And this new target allocation is not 10:32:19
2 significantly different from the current target. 10:32:22
3 We have always had asset class allocation bands 10:32:24
4 within our investment policy statement, to allow 10:32:28
5 flexibility and find opportunities, but we are 10:32:31
6 just making their presence more explicit, here in 10:32:33
7 the table. 10:32:37

8 We are not making any changes to those 10:32:37
9 bands. Just for reference, that is plus or minus 10:32:40
10 5 percent for global equities and plus or minus 10:32:42
11 3 percent for the others. 10:32:45

12 So the primary changes, the first one is 10:32:46
13 a 1 percent move from public equities to private 10:32:49
14 equities. This comes on the heels of an 10:32:53
15 impressive run for public; although, of course, 10:32:56
16 for privates as well. But that is not really the 10:32:56
17 genesis of the decision. It is really because of 10:33:00
18 the growing opportunity in growth equity within 10:33:02
19 the private markets, that we can talk more about 10:33:05
20 later, if interested. 10:33:12

21 The second main change is raising the 10:33:14
22 target for the put spread collar, which we also 10:33:15
23 call the equity hedge portion of portfolio 10:33:19
24 completion strategies. So our actual calculation 10:33:22

1 to public equities is actually at the high end of 10:33:26
2 the band. Michael mentioned we already did some 10:33:29
3 rebalancing, which is just during our normal 10:33:29
4 course of affairs. 10:33:32

5 But we would like to continue 10:33:33
6 re-allocating some of our equity exposure to a 10:33:34
7 lower volatility, less risk, but still equity 10:33:40
8 investing. We call that the reshaped 10:33:44
9 distribution of the put spread collar. We do 10:33:46
10 think the put spread collar has a compelling 10:33:51
11 value proposition, which is capturing this 10:33:51
12 difference between implied and realized 10:33:53
13 volatility. 10:33:55

14 Obviously, in the events of the last 10:33:57
15 couple weeks, volatility is front and center in 10:33:58
16 terms of the market movement and gyrations. And 10:34:01
17 I think there is nothing better than a real-life 10:34:05
18 stress test to see how something will react. And 10:34:08
19 Bill will talk more about it later, but I think 10:34:10
20 we are definitely satisfied with the way that put 10:34:14
21 spread collar performed in what would be, based 10:34:18
22 on history, one of the three or four most 10:34:21
23 stressful periods that you could possibly devise 10:34:25
24 for strategies such as this. 10:34:31

1 So it did what we were expecting it to do 10:34:33
2 and we are pleased with that. And that gives us, 10:34:36
3 I think, even more conviction that our 10:34:39
4 recommending that the range for the put spread 10:34:42
5 collar for 2018 be somewhere in the 1 to 5 10:34:45
6 percent range, focusing on a midpoint of 10:34:49
7 3 percent -- we are currently at about 1.3, so we 10:34:53
8 have about a billion dollars in total notional 10:34:58
9 amount in the put spread collar, and we would be 10:35:00
10 looking to bring that up to about \$3 billion, 10:35:02
11 depending on market conditions. 10:35:06

12 The market conditions, actually, for the 10:35:07
13 put spread collar are quite favorable right now, 10:35:08
14 because volatility is elevated. And so 10:35:12
15 constructing the options overlay is actually 10:35:19
16 quite attractive at the moment. 10:35:22

17 So then, just to summarize, which is on 10:35:23
18 page 14, we are trying to put together the 10:35:31
19 portfolio that can reap this mandated return with 10:35:36
20 the minimized drawdown risk. Asset allocation 10:35:40
21 should be this kind of constant iterative 10:35:43
22 interactive process where you are marrying both 10:35:47
23 the qualitative the quantitative inputs. And we 10:35:49
24 think that a factor-based framework, which I 10:35:52

1 didn't have much time to talk about today -- but 10:35:54
2 we think we can extract that orthogonal 10:35:57
3 information -- I know you like that word, Bob -- 10:36:01
4 using principal component analysis, and that can 10:36:04
5 help quantify the likelihood of obtaining these 10:36:09
6 two objectives. 10:36:12

7 So with that, I am going to invite Phil 10:36:13
8 and Mike up here and they can comment as well, 10:36:17
9 and then, of course, we can take any questions. 10:36:19

10 MR. MANNING: We are happy to be here. 10:36:33
11 We are going to echo a lot of the things that 10:36:51
12 Michael and Eric already said. At a very high 10:36:51
13 level, we think the portfolio, from an asset 10:36:55
14 allocation perspective, continues to be 10:36:58
15 appropriate, very well diversified, and the 10:36:59
16 changes we are talking about are really at the 10:37:02
17 margins. 10:37:02

18 Phil, who heads up our asset allocation 10:37:08
19 team, will give some thoughts about the key 10:37:08
20 market themes that we are seeing for the market 10:37:11
21 this year and the investment outlook. Again, 10:37:13
22 most of those are already imbedded in the 10:37:15
23 portfolio. And then we will talk a little bit 10:37:18
24 about factor investing, which is a different lens 10:37:21

1 in which to look at the portfolio. 10:37:23

2 So at the investment community meeting, 10:37:25

3 Phil joked that we were giving the summary of the 10:37:28

4 summary. So we are going to work from the 10:37:31

5 handout pages, which is the summary, and we will 10:37:32

6 go quickly, but answer your questions. 10:37:34

7 MR. NELSON: Why don't we start on page 10:37:56

8 2, real quick, and just kind of give a quick 10:37:57

9 sense of what our broad economic macroeconomic 10:38:02

10 views are? We went through this in a little bit 10:38:06

11 more detail a couple weeks ago. But from kind of 10:38:09

12 the top-down view, this is the handout, 15-page 10:38:12

13 handout. 10:38:18

14 So page 2 has our macroeconomic outlook 10:38:19

15 and a lot of the opportunities we are seeing in 10:38:41

16 the market today. Touching, real quick, on the 10:38:44

17 macro themes that we have, we think it is helpful 10:38:47

18 to explain kind of what happened last year, which 10:38:51

19 we won't spend a lot of time on, but also as a 10:38:54

20 prism to look into future years. 10:38:56

21 And at its core, a lot of the things from 10:38:57

22 last year, we think, are continuing, where, 10:38:57

23 despite some of the market hiccups over the last 10:39:06

24 couple of weeks, we still see positive signals 10:39:07

1 coming out of the U.S. economy, and that can 10:39:10
2 continue and extend for a bit longer, even though 10:39:12
3 we are nine years into a recovery. 10:39:17

4 Thinking about the Fed, the worries about 10:39:19
5 inflation or the slight uptick in inflation has 10:39:23
6 hit the market over the last month. For example, 10:39:26
7 yesterday, the CPI print came in at, I think it 10:39:29
8 was, 0.3 as opposed to 0.2, which is a modest 10:39:32
9 difference. And if inflation stays relatively 10:39:37
10 low and especially low relative to history, you 10:39:41
11 are going to likely have a slow response from the 10:39:44
12 Federal Reserve. And Michael talked about this 10:39:47
13 earlier, as well, that, if you have kind of a 10:39:50
14 gradual approach from the Fed, that is generally 10:39:52
15 good for financial conditions, both in the U.S. 10:39:55
16 and abroad. 10:39:56

17 One of the newer things that we are 10:39:58
18 focused on this year is what is going on outside 10:40:01
19 the U.S. and some of the synchronization of 10:40:05
20 growth conditions in Europe, Japan, and emerging 10:40:08
21 markets, that is creating a really nice growth 10:40:12
22 profile that can last for maybe a couple of years 10:40:15
23 out, which is something we haven't seen post 10:40:18
24 financial crisis, where you have sustained real 10:40:21

1 economic recovery. 10:40:24

2 MR. MANNING: And all of the largest 45 10:40:28
3 countries, I think, in 2017, had positive growth. 10:40:28

4 MR. NELSON: Yes, which is an unusual 10:40:31
5 state. The last time we saw that was '07-'06-'05 10:40:33
6 period. 10:40:33

7 That is not to say that we have a 10:40:41
8 perfectly rosy view of the world. There are 10:40:43
9 clearly risks out there, in a lot of different 10:40:46
10 areas. And so we view, in some ways, the kind of 10:40:48
11 positive environment for risk assets as being 10:40:52
12 kind of a delicate one. That is why the emphasis 10:40:54
13 on diversification, some of the subtle asset 10:40:58
14 allocation changes that were mentioned today, and 10:41:02
15 just the emphasis on rebalancing, to bring the 10:41:05
16 equity down. 10:41:07

17 This market can change rapidly. And some 10:41:08
18 of things we are thinking about are ongoing 10:41:10
19 changes in China. China is clearly important to 10:41:15
20 the global economy. Any slight hiccup in China 10:41:16
21 likely means fairly large dislocation in markets 10:41:20
22 everywhere. 10:41:24

23 And second is a theme that we call 10:41:25
24 globalization backlash, which really is the 10:41:29

1 catch-all for populism, trade policy concerns, 10:41:32
2 ongoing political risk that you see both in the 10:41:37
3 U.S. and in Europe and, frankly, other parts of 10:41:40
4 the developed world, where we are seeing the 20, 10:41:44
5 30 years of low wage gains flowing through into 10:41:49
6 manufacturing sectors, others areas of the 10:41:54
7 economy start to trickle into political risk. 10:41:58
8 And that flows into how people view trade polices 10:42:00
9 and other types. So it has an impact on global 10:42:04
10 markets. 10:42:04

11 So things that we think about are, what 10:42:08
12 is the outlook for NAFTA? It is a very binary 10:42:10
13 outcome. There is a most negative case, which 10:42:13
14 would probably be bad for emerging market assets 10:42:16
15 and non-U.S. assets. Those are some of the 10:42:19
16 things that we think about on the horizon, for 10:42:20
17 risk out there. 10:42:23

18 Some of the opportunities that we are 10:42:24
19 seeing out there, maybe just turning, quick, to 10:42:29
20 page 6, notwithstanding the gains in U.S. 10:42:32
21 equities, we have been encouraging, for the last 10:42:39
22 couple of years, clients to just consistently 10:42:43
23 trim back U.S. equity exposure, factor targets, 10:42:45
24 rebalance, just maintain that discipline. 10:42:50

1 Something, again, that Michael talked about 10:42:53
2 earlier. 10:42:53

3 And thinking about outside of the U.S. 10:42:55
4 and looking at non-U.S. equities and specifically 10:42:57
5 focused on, more, Europe and Japan. So one of 10:43:01
6 the things that we see as potential for a fairly 10:43:04
7 decent earnings recovery in this market. So just 10:43:09
8 a real simple example, the top-right chart on 10:43:12
9 page 6 looks at the earnings profile of U.S. 10:43:14
10 equities, emerging markets, and EAFE over the 10:43:18
11 last 10 years. And you can see, within the U.S., 10:43:22
12 fairly sizable earnings growth over the last 10 10:43:26
13 years. Emerging markets, a much more volatile 10:43:31
14 path, that red line, but still positive. EAFE 10:43:32
15 markets still below the 2007 levels. The 10:43:36
16 opportunity for earnings to -- maybe not 10:43:39
17 necessarily get back to their peak that we have 10:43:43
18 seen over the last 15 years, but move closer to 10:43:45
19 that -- is fairly sizable benefit and earnings 10:43:47
20 and revenue flowing into the corporate sector 10:43:51
21 outside the United States, which would be a big 10:43:54
22 benefit to equity in those areas. 10:43:57

23 So that is fundamentally the backdrop of 10:43:59
24 our views. And you see it expressed in the 10:44:02

1 portfolio today, with, still, a tilt to a bit 10:44:05
2 more global orientation. 10:44:08

3 MR. MANNING: Maybe we will just spend a 10:44:15
4 bit of time talking about the asset allocation 10:44:16
5 assumptions. Very briefly, I want to talk about 10:44:17
6 the PRIM portfolio. On page 8, this goes to the 10:44:17
7 process of how we build up our asset allocation 10:44:21
8 assumptions for 40-plus different asset classes. 10:44:24
9 It is really a fundamental basis. We can talk 10:44:27
10 more about that. 10:44:31

11 The underlying assumption or the ultimate 10:44:32
12 assumptions that Phil and his team came up with 10:44:34
13 are on page 9. I want to highlight a few things 10:44:37
14 here, because I think they are important, that 10:44:39
15 they tie in to what Phil just said, in 10:44:42
16 particular. And that is, in the equity section, 10:44:44
17 so the four numbers at the top, it is not a 10:44:47
18 surprise when you see the equities markets run as 10:44:49
19 much as they did last year, that we are lowering 10:44:53
20 the assumptions. We had such a great year last 10:44:55
21 year, in the 20s and 30s. You would expect the 10:44:56
22 forward-looking outlook to be a bit down. 10:44:59

23 What is the anomaly for us, here, is that 10:45:02
24 the international equities actually went up. So 10:45:04

1 despite having a year that was as good as the 10:45:06
2 U.S. markets, U.S. went down and the 10:45:07
3 international went up. And that is because of 10:45:10
4 that economic story, we think, and the 10:45:12
5 opportunity for earnings to run more when profit 10:45:14
6 margins aren't quite as high overseas as they are 10:45:19
7 in the United States. 10:45:22

8 So that is a difference and something you 10:45:23
9 wouldn't normally see, given the really strong 10:45:24
10 returns in all of those markets last year. So I 10:45:27
11 just wanted to highlight that as one of the 10:45:29
12 assumptions that is really built up from a 10:45:32
13 bottom-up basis. It is really grounded in the 10:45:35
14 work that Phil just talked about. 10:45:38

15 You want to touch, maybe, on the 10:45:39
16 portfolio a little bit, Phil? 10:45:42

17 MR. NELSON: Yes. So why don't we jump 10:45:43
18 to page 12, just for time's sake? 10:45:45

19 I am just going to mention two quick 10:45:53
20 things on the assumptions. Mike briefly walked 10:45:58
21 through our five- to seven-year assumptions. 10:46:00
22 This informs kind of our near-term investment 10:46:02
23 outlook. We think it reconciles with the 10:46:06
24 upcoming investment cycle in saying, what is 10:46:09

1 risk/return outcomes that one could see over the 10:46:11
2 next six years? 10:46:15

3 We also publish a second set of 10:46:16
4 assumptions that we call our 30-year return 10:46:21
5 assumptions. And is that what flows into your 10:46:22
6 actuarial calculations and long-term rate of 10:46:26
7 return expectations. And that reflects a more 10:46:30
8 normalized investment environment, still taking 10:46:33
9 into account certain conditions that exist today, 10:46:37
10 such as below average cash levels, inflation is 10:46:39
11 lower, which is a drag on long-term historical 10:46:43
12 returns. 10:46:46

13 But suffice to say, as the portfolio is 10:46:47
14 constructed today and based on some of the 10:46:50
15 changes that are being proposed, the portfolio 10:46:53
16 would still exceed, on the long-term basis, its 10:46:58
17 actuarial return target. 10:47:02

18 So page 12 just looks at, real quick, 10:47:06
19 some of the brief changes here, that Eric 10:47:08
20 mentioned. Global equities come down a point. 10:47:10
21 Private equity moved up a point, to 12 percent. 10:47:14
22 Something new that we will be doing, and Eric 10:47:18
23 talked about a couple of weeks ago, is thinking 10:47:21
24 more in the concept of ranges, as opposed to 10:47:24

1 targets, just thinking the portfolio is not an 10:47:29
2 exact midpoint that operates consistently, but is 10:47:31
3 a range of outcomes that one cannot break down. 10:47:37

4 MR. MANNING: I know we were talking 10:47:44
5 earlier about the return assumptions. You can 10:47:45
6 see, just looking at the bottom section of the 10:47:47
7 page, that top line where it says, the five- to 10:47:48
8 7-year return, under the 2017 assumptions, we 10:47:51
9 have assumed the 6.8 percent five- to seven-year 10:47:55
10 return. Today, that has dropped down to 6.6. I 10:47:58
11 mean, you earned 17 percent last year. In that 10:48:00
12 five- to seven-year cycle, the other asset class 10:48:03
13 expectations would come down. That has dropped 10:48:07
14 it a little bit. 10:48:09

15 The 30-year return hasn't really changed 10:48:10
16 materially. It is more the near-term outlook 10:48:12
17 that has dropped. 10:48:15

18 Maybe, Phil, if you want to talk about 10:48:17
19 the upper-right with that lens of the portfolio. 10:48:17

20 MR. NELSON: Something you will see more 10:48:21
21 consistently from us in a go-forward basis is 10:48:23
22 these factor allocations on the top-right of page 10:48:26
23 12. This is something that we have kind of 10:48:29
24 always done in the background, but I think being 10:48:32

1 a little bit explicit with some of the work that 10:48:33
2 Eric and Bill are doing, also, in factors to 10:48:36
3 highlight kind of a different way to view the 10:48:38
4 portfolios exposures. And what these factor 10:48:41
5 allocations represent are the macroeconomic 10:48:44
6 factors that the portfolio is exposed to. 10:48:48

7 So we have five distinct, kind of, major 10:48:51
8 factors that we highlight: Growth, which you can 10:48:55
9 think of the kind of economic growth, whether it 10:48:58
10 is the U.S., non-U.S., emerging markets. But you 10:49:01
11 are kind of geared to positive growth conditions. 10:49:05

12 Real rates, which are generally -- which 10:49:10
13 we consider kind of more pure interest rate 10:49:12
14 exposure, we have more of a kind of defensive 10:49:15
15 allocation to the portfolio. 10:49:17

16 Then on the inflation side, we think of 10:49:22
17 inflation both as inflation moving up and 10:49:24
18 inflation moving down. So there is -- the 10:49:27
19 probability of either of those can change over 10:49:31
20 time, but there is both inflationary and 10:49:33
21 deflationary risk that exists within the 10:49:35
22 portfolio. We try to highlight these factors 10:49:38
23 here. And currency and liquidity, I think is 10:49:40
24 really straightforward in terms of what those 10:49:43

1 risk factors are. 10:49:46

2 The following page has a more detailed 10:49:47
3 view of that. You don't have to go through that 10:49:51
4 line item by line item. But this is something 10:49:53
5 that I would expect, over the course of the next 10:49:56
6 year or two, in each of the meetings, that we 10:49:57
7 will spend more time discussing. 10:50:01

8 MR. MANNING: Maybe we will stop there 10:50:03
9 and see if you have questions. 10:50:04

10 MR. TROTSKY: Thank you. 10:50:07

11 TREASURER GOLDBERG: All right, then. So 10:50:08
12 first up, I am going to seek a motion that we 10:50:12
13 approve the asset allocation recommendation and a 10:50:15
14 second. And then if there are any questions, we 10:50:19
15 can ask them. 10:50:21

16 So I would seek a motion that the PRIM 10:50:24
17 Board approve the Investment Committee's 10:50:27
18 recommendation to adopt the 2018 asset allocation 10:50:28
19 recommendations as described in appendixes E, F, 10:50:33
20 and G of the agenda, and further to authorize the 10:50:36
21 Executive Director to take all actions necessary 10:50:39
22 to effectuate this vote. 10:50:41

23 Is there a motion? 10:50:44

24 MR. BROUSSEAU: So moved. 10:50:46

1 MR. SHANLEY: Second. 10:50:51

2 TREASURER GOLDBERG: We have to do roll 10:50:53

3 call. But before we do, are there questions? 10:50:55

4 (No voices heard.) 10:50:59

5 TREASURER GOLDBERG: Okay. 10:50:59

6 MR. BROUSSEAU: I had one. The large 10:51:01

7 pension funds that we like to compare ourselves 10:51:04

8 with, that have been very successful over the 10:51:06

9 last 20 years, would their asset allocations look 10:51:09

10 very similar to ours today? 10:51:13

11 I am thinking of a few in my mind that 10:51:18

12 have been very, very successful. I don't want to 10:51:19

13 mention them here, but. 10:51:22

14 MR. MANNING: I think you are in line 10:51:23

15 with other large, sophisticated plans. Yours, I 10:51:24

16 would say, is a combination of large public 10:51:29

17 pension plans, but also some of the more 10:51:33

18 sophisticated endowments, in terms of the use of 10:51:35

19 the illiquidity. 10:51:35

20 But generally, yes. That is one of the 10:51:40

21 things that we look at, is making sure you are in 10:51:41

22 line with the other funds. 10:51:44

23 MR. BROUSSEAU: Do you consider this a 10:51:46

24 conservative plan or moderately aggressive? 10:51:48

1 TREASURER GOLDBERG: Well, is there 10:51:53
2 something in between? 10:51:54
3 MR. TROTSKY: Smart. 10:51:56
4 TREASURER GOLDBERG: Smart plan? 10:51:57
5 MR. MANNING: Yes. 10:51:58
6 MR. TROTSKY: Thoughtful? 10:52:00
7 MR. MANNING: There are so many different 10:52:00
8 ways to answer that. But I think if you look at 10:52:02
9 the overall equity exposure, that is lower than a 10:52:04
10 lot of other plans might be. So you can say, 10:52:08
11 yes, it is more conservative. It is very 10:52:10
12 diversified; that is conservative. 10:52:13
13 You do have a decent bit in alternatives, 10:52:17
14 and some people look at that as aggressive. So 10:52:17
15 in terms of return outcome and the volatility 10:52:20
16 exposure, I think it is really appropriate. And 10:52:22
17 just in terms of the equity exposure, which is 10:52:23
18 the driving force, I would say that is probably 10:52:26
19 pretty conservative. 10:52:28
20 MR. NELSON: And the investment 10:52:30
21 objectives, when you have a return target of 7.5, 10:52:31
22 that dictates a certain risk profile onto itself. 10:52:33
23 So that flows into meeting liabilities on a long 10:52:37
24 term basis. So if that came down significantly, 10:52:43

1 then thinking about different adjustments could 10:52:46
2 be something. 10:52:48

3 MR. TROTSKY: Eric, do you remember what 10:52:49
4 the realized volatility was for last year, on 10:52:50
5 17.7? 10:52:53

6 MR. NIERENBERG: I think it was 10:52:55
7 1.7 percent. 10:52:56

8 MR. TROTSKY: Yes. So that is like a 13 10:52:57
9 Sharpe ratio. Admittedly, it is a low volatility 10:52:59
10 market, but this is what we pay a lot of 10:53:03
11 attention to. So on a risk-adjusted return 10:53:05
12 basis, I would be surprised if there is any plan 10:53:09
13 anywhere, that comes close to that. 10:53:11

14 MR. NIERENBERG: Right. 10:53:16

15 MR. TROTSKY: That is realized 10:53:17
16 performance and realized volatility. 10:53:18

17 MR. BROUSSEAU: Good job. 10:53:21

18 TREASURER GOLDBERG: I like that. 10:53:22
19 Okay. Any other questions? 10:53:27

20 (No voices heard.) 10:53:30

21 TREASURER GOLDBERG: So we have to do a 10:53:31
22 roll call. And so Theresa? 10:53:33

23 MS. MCGOLDRICK: I vote in favor. 10:53:40

24 MR. BROUSSEAU: Yes. 10:53:41

1 MR. SHANLEY: Yes. 10:53:42

2 TREASURER GOLDBERG: Dennis? 10:53:44

3 MR. NAUGHTON: Yes. 10:53:45

4 TREASURER GOLDBERG: Jim? 10:53:45

5 MR. HEARTY: Yes. 10:53:46

6 TREASURER GOLDBERG: Myself, yes. 10:53:47

7 Is that everybody? Yes. Thank you very 10:53:48

8 much. 10:53:52

9 (VOTED: To approve the asset allocation 10:53:52

10 recommendation.) 10:53:53

11 MR. TROTSKY: Dave is next. And thank 10:53:53

12 you for coming in, Dave. 10:54:07

13 MR. GURTZ: I am going to be extremely 10:54:30

14 brief, talking about the public markets. I am 10:54:30

15 going to refer to Appendix B, which we spoke 10:54:30

16 about earlier. 10:54:39

17 Specifically, I am going to start on 10:54:41

18 page 6, which is affectionally Sarah Samuel's 10:54:43

19 perennial garden chart. And the idea behind this 10:54:47

20 chart is really that something is always in 10:54:51

21 bloom, or shaded green. 10:54:53

22 And while I am happy to show you that 10:54:55

23 everything bloomed in 2017 and, frankly, I can't 10:54:58

24 think of another year in which all of these asset 10:55:02

1 classes were positive in the same year. So 10:55:05
2 again, it is page 6, Appendix B. 10:55:07

3 TREASURER GOLDBERG: This one, guys. It 10:55:13
4 is before the quilt. The flower chart in bloom 10:55:14
5 is before the quilt chart. 10:55:18

6 MR. GURTZ: So turning to page 7, very 10:55:20
7 briefly. The global equity portfolio was the 10:55:22
8 best performing asset class in 2017. It is the 10:55:25
9 Olympics, so we earn the gold medal. For the 10:55:30
10 first time in a couple years, we took it away 10:55:31
11 from the private equity team or the first time in 10:55:34
12 a while. 10:55:38

13 We returned 26 percent, outperforming our 10:55:38
14 benchmark by 71 basis points. That is net of 10:55:40
15 fees. That is a strong outperformance, when you 10:55:42
16 consider that 58 percent of global equities is 10:55:45
17 passively managed. 10:55:48

18 Emerging markets was the best performing 10:55:49
19 asset class in 2017, returning over 40 percent. 10:55:51
20 Emerging markets was supported by a weak dollar, 10:55:55
21 strong earnings off a low base, rising commodity 10:55:58
22 prices and continued global growth. China, in 10:56:02
23 particular, was up over 50 percent for the year. 10:56:04

24 It was also a very good year for our 10:56:07

1 active managers. They added nearly 300 basis 10:56:09
2 points in outperformance. That is gross of fees. 10:56:12
3 About 231 basis points net of fees. 10:56:14

4 And PRIM is currently 25 percent active, 10:56:17
5 25 percent passive. And we will, obviously, 10:56:20
6 discuss that change in a few minutes. 10:56:22

7 I am going to speak to international 10:56:24
8 equities and move on to U.S. equities. Again, 10:56:27
9 large cap outperform the small cap, but both 10:56:31
10 perform strongly. We will be talking about, 10:56:34
11 later today, where we think we can add more alpha 10:56:38
12 to the U.S. equities market for microcap, our 10:56:41
13 recommendation. 10:56:41

14 Flipping to page 8, PRIT's fixed income 10:56:46
15 portfolio performance for the year. Just like EM 10:56:52
16 equities, the emerging markets debt, in both 10:56:54
17 local currency and hard currency, posted a strong 10:56:57
18 performance in 2017. Long duration strips 10:57:00
19 returned nearly 14 percent, as the yield on 10:57:03
20 strips fell 38 basis points in '17, even though 10:57:05
21 the Fed raised rates three times last year. 10:57:08

22 High yields credit. The spread also 10:57:11
23 narrowed by 30 basis points in '17. So high 10:57:15
24 yield returned approximately 7.5 percent last 10:57:17

1 year. And the lower risk/lower returning asset 10:57:20
2 class all posted positive, but relatively low 10:57:22
3 returns, last year. 10:57:26

4 And Chuck Laposta is going to be 10:57:27
5 describing other credit opportunities and 10:57:29
6 investment opportunity momentarily. 10:57:31

7 So, very brief. And I am happy to answer 10:57:32
8 any questions. Otherwise, I will just roll right 10:57:36
9 into the emerging market and microcap 10:57:38
10 recommendations. 10:57:40

11 So if you will turn to presentation 10:57:42
12 Appendix H. That is our presentation on our 10:57:49
13 emerging markets equity recommendation. 10:57:55

14 Exhibit I includes Callan, our 10:57:59
15 consultant's, memo on the recommendation as well. 10:58:00

16 And I will turn it over to Dr. Andre 10:58:02
17 Clapp for him to present the emerging markets 10:58:05
18 recommendation. 10:58:08

19 DR. CLAPP: Thank you, Dave. Good 10:58:08
20 morning, everyone. I will be speaking to the 10:58:10
21 presentation. Please turn to page 2. 10:58:19

22 We are recommending going from 75 percent 10:58:25
23 active in emerging markets to 100 percent active. 10:58:27
24 This is a continuation of the path we set out on 10:58:31

1 two years ago, in 2015, when we went from 50 10:58:35
2 percent active in emerging the markets to 75 10:58:37
3 percent active. 10:58:40

4 PRIM staff believes that active 10:58:40
5 management ECM will add value over the long term. 10:58:43
6 This shift would entail moving approximately 10:58:49
7 \$1.1 billion in assets from the SSGA EM IMI index 10:58:51
8 fund to active managers. 10:58:58

9 T. Rowe Price will be brought off the 10:58:59
10 manager bench and funded with up to \$600 million. 10:59:02
11 The other half of the SSGA EM IMI account will go 10:59:04
12 to AQR and Pzena, and SSGA EM IMI will be put on 10:59:04
13 the manager bench. 10:59:04

14 Now, if you would please turn to page 3. 10:59:18
15 This is 18 years of data going back to the year 10:59:20
16 2000. The light blue line is the excess return 10:59:22
17 of the medium EM active manager. And the dark 10:59:27
18 blue line is our five core EM active managers. 10:59:30

19 What I would like you to take away from 10:59:34
20 this graph is that both of these excess returns 10:59:36
21 are well and consistently above zero. That is, 10:59:39
22 active management consistently beats the 10:59:43
23 benchmark in emerging markets. 10:59:45

24 Now, on page 4, as you know, the excess 10:59:49

1 return for our EM active managers, as a group, 10:59:55
2 has been quite strong since inception in 2015. 10:59:58
3 It has been a strong period for the markets. The 11:00:02
4 gray bars on this chart are the excess returns. 11:00:05
5 What I would like you to take away from 11:00:09
6 this chart is outperformance has been broadly 11:00:11
7 distributed among our active managers. All five 11:00:14
8 active managers have contributed to the excess 11:00:17
9 return of the group. 11:00:19
10 Now, on page 6, we address down markets. 11:00:20
11 This chart shows the upside and downside capture 11:00:29
12 for our active managers. The dark blue bars are 11:00:33
13 the downside capture. All of our EM active 11:00:37
14 managers have downside capture that is well 11:00:43
15 below 1. PRIM's EM managers did well in the 11:00:45
16 strong up market of 2017, so we would expect our 11:00:49
17 EM active managers to outperform in a down market 11:00:51
18 as well. In a down market, PRIM staff believes 11:00:54
19 that our active EM managers will outperform an 11:00:58
20 index fund. 11:01:01
21 On page 6, as parts of this shift, T. 11:01:02
22 Rowe Price would be taken off the manager bench 11:01:10
23 and funded with up to \$600 million. T. Rowe as 11:01:12
24 had stable leadership under a sole portfolio 11:01:16

1 manager since 2015, when Mark Edwards retired and 11:01:20
2 Gonzolo Pangaro became the sole analyst. PRIM 11:01:23
3 staff has conducted quarterly calls with T. Rowe 11:01:27
4 since 2015 and found their process and investment 11:01:30
5 approach to be consistent. 11:01:33

6 On page 7, it is the simulated new 11:01:34
7 portfolio which is 100 percent active with six 11:01:41
8 active managers, compared to the current 11:01:45
9 portfolio with five active managers and a 25 11:01:47
10 percent index exposure. 11:01:49

11 And basically, the news is good here. 11:01:51
12 The information ratio and the Sharpe ratio are 11:01:56
13 better. The beta and down market capture both go 11:01:59
14 down, which is good. And even the standard 11:02:04
15 deviation is lower. So we think that this new 11:02:06
16 portfolio looks pretty good. 11:02:09

17 On page 8, in conclusion, we are 11:02:10
18 recommending going to 100 percent active 11:02:17
19 management in emerging markets equity, 11:02:19
20 approximately \$1.1 billion will be shifted. T. 11:02:22
21 Rowe Price will be taken off the manager bench 11:02:26
22 and our index manager, SSGA, would be placed on 11:02:28
23 the manager bench. 11:02:32

24 As you can see from the pie chart at the 11:02:35

1 bottom of the page, the new portfolio would be 11:02:35
2 fairly evenly distributed and balanced between 11:02:40
3 our six active EM managers. 11:02:41
4 With that, I would be happy to take any 11:02:43
5 questions. 11:02:46
6 TREASURER GOLDBERG: Well, we will do the 11:02:49
7 motion first. I would seek a motion that the 11:02:53
8 PRIM Board approve the Investment Committee's 11:03:13
9 recommendation to approve the change to the 11:03:13
10 active/passive split in emerging market equities 11:03:20
11 from 75 percent active/25 percent passive to 11:03:20
12 100 percent active, as described in appendices H 11:03:22
13 and I of the agenda, and further to authorize the 11:03:26
14 Executive Director to take all actions necessary 11:03:30
15 to effectuate this vote. 11:03:31
16 Is there a motion? 11:03:33
17 MR. BROUSSEAU: So moved. 11:03:34
18 TREASURER GOLDBERG: Is there a second? 11:03:35
19 MR. NAUGHTON: Second. 11:03:38
20 TREASURER GOLDBERG: Question or 11:03:39
21 comments? 11:03:39
22 MR. BROUSSEAU: Very thorough 11:03:41
23 presentation. Thank you. 11:03:43
24 TREASURER GOLDBERG: Yes. Thank you. 11:03:44

1 DR. CLAPP: We are top decile. 11:04:19

2 (Laughter.) 11:04:39

3 MR. BROUSSEAU: That is why you call them 11:04:39

4 Dr. Andre and Mr. Andre. 11:04:42

5 TREASURER GOLDBERG: U.S. microcap? 11:04:44

6 MR. ABOUHALA: Yes, thank you. 11:04:45

7 So today I will be providing an overview 11:04:46

8 of the recommendation. Or if anyone has any 11:04:51

9 questions specific to the presentation, I would 11:04:52

10 be happy to respond. But with that said, the 11:04:54

11 presentation can be found in Appendix J and 11:04:58

12 Callan's memo can be found in Appendix K. 11:05:01

13 We are recommending issuing an RFP for 11:05:06

14 active U.S. microcap equity management. If the 11:05:06

15 RFP is successful, we are targeting an allocation 11:05:12

16 of up to \$17 million, or 1 percent of the PRIM 11:05:12

17 fund, to five managers with the potential for a 11:05:16

18 deep manager bench. 11:05:21

19 Funding will be primarily sourced from 11:05:21

20 existing U.S. equity portfolios. In turn, we 11:05:25

21 have very minimal exposure. Again, we are not 11:05:29

22 adding to our equity exposure here. The Russell 11:05:32

23 microcap index is highly correlated to the 11:05:35

24 Russell 2000 and the S&P 500, with a similar 11:05:38

1 long-term rich return profile. 11:05:41

2 However, we feel the real opportunity in 11:05:45
3 this asset class lies in enhanced potential for 11:05:46
4 active stock collection. Over the last ten 11:05:49
5 years, a large percentage of active managers have 11:05:52
6 consistently delivered significant excess return. 11:05:56
7 The median manager outperforms the benchmark by 11:05:59
8 roughly 170 base points, net of fees. And the 11:06:01
9 dispersion between the best and worst managers 11:06:06
10 wide at 7.7 percent, and that is among the 11:06:09
11 highest in the global equity asset bucket. 11:06:12

12 The U.S. microcap equity is an 11:06:16
13 inefficient asset class characterized by little 11:06:19
14 analyst coverage. The average number of analysts 11:06:21
15 covering a stock in S&P 500 is 18 in the Russell 11:06:24
16 2006, while the average number of analysts 11:06:28
17 covering the company in the Russell microcap is 11:06:31
18 only three. 11:06:33

19 With few or no analysts covering a stock, 11:06:34
20 there is a greater chance that a stock's price 11:06:38
21 will not always accurately reflect its true 11:06:39
22 value. We believe this drives inefficiency in 11:06:43
23 this space and breeds opportunity for active 11:06:47
24 managers to create alpha for the portfolio. 11:06:50

1 Looking at our peers, there is some 11:06:53
2 precedent here, with other large U.S. pensions 11:06:55
3 investing in the space; for example, Oregon, 11:06:57
4 Florida, and Alaska's pension system. As part of 11:07:00
5 this RFP, we are looking for the managers that 11:07:04
6 deliver downside protection, they take high 11:07:07
7 conviction positions relative to the index or 11:07:13
8 have a high level of activeness and, of course, 11:07:14
9 have a strong meaningful track record of 11:07:17
10 risk-adjusted outperformance. 11:07:20

11 And with that, I will take any questions 11:07:22
12 you may have. 11:07:24

13 TREASURER GOLDBERG: So this is also a 11:07:26
14 voting item. So I will seek a motion that the 11:07:28
15 PRIM Board approve the Investment Committee's 11:07:31
16 recommendation to approve the issuance of a 11:07:33
17 request for proposal for active U.S. microcap 11:07:34
18 equity investment management services as 11:07:37
19 described in appendices J and K, and further to 11:07:40
20 authorize the Executive Director to take all 11:07:40
21 actions necessary to effectuate this vote. 11:07:40

22 Is there a motion? 11:07:48

23 MR. BROUSSEAU: So moved. 11:07:49

24 TREASURER GOLDBERG: Second? 11:07:50

1 MR. SHANLEY: Second. 11:07:52

2 TREASURER GOLDBERG: Questions for 11:07:54

3 Mr. Andre? 11:07:54

4 Hearing none, roll call vote. 11:07:59

5 Theresa? 11:08:01

6 MR. TROTSKY: Yes. 11:08:03

7 TREASURER GOLDBERG: Bob? 11:08:05

8 MR. BROUSSEAU: Yes. 11:08:05

9 TREASURER GOLDBERG: Paul? 11:08:05

10 MR. SHANLEY: Yes. 11:08:05

11 TREASURER GOLDBERG: Dennis? 11:08:06

12 MR. NAUGHTON: Yes. 11:08:06

13 TREASURER GOLDBERG: Jim? 11:08:07

14 MR. HEARTY: Yes. 11:08:07

15 TREASURER GOLDBERG: Myself, yes. 11:08:07

16 Motion carries. Thank you. 11:08:08

17 (VOTED: To approve the request for a 11:08:08

18 U.S. micro-cap equity RFP.) 11:08:15

19 MR. GURTZ: We would like Chuck and 11:08:15

20 Christina Marcarelli to talk about a new credit 11:08:16

21 opportunity recommendation. 11:08:21

22 TREASURER GOLDBERG: Okay. 11:08:21

23 MR. LAPOSTA: Good morning, everybody. 11:08:32

24 We will be speaking to page 10 of the expanded 11:08:33

1 agenda and discussing an opportunity for other 11:08:37
2 credit opportunities allocation. 11:08:38

3 As a reminder, this allocation was formed 11:08:40
4 last year, as part of our asset allocation 11:08:43
5 decision, the 2 percent allocation within our 11:08:45
6 value-added fixed income portfolio. The goals of 11:08:48
7 the allocation are to provide similar-risk 11:08:52
8 adjusted returns with sensitivities to growth and 11:08:54
9 inflation, as we had in the remainder of our 11:08:57
10 value-added fixed incomes. 11:09:01

11 We also seek to gain unique exposure to 11:09:02
12 differentiated approaches to investing within the 11:09:05
13 credit opportunity and to provide investments 11:09:08
14 across multiple asset classes. This investment 11:09:10
15 is a key example of all of those, hits all the 11:09:13
16 boxes, and certainly crosses over both our real 11:09:16
17 estate team and our fixed income team. And that 11:09:20
18 is why the two of us are here today presenting 11:09:22
19 this. 11:09:22

20 And with that, I would like to turn it 11:09:25
21 over to my colleague, Christina Marcarelli, from 11:09:27
22 the real estate team, to talk about the specific 11:09:30
23 debt investments that we found and the 11:09:33
24 opportunities it presents. 11:09:34

1 MS. MARCARELLI: Thank you. Good 11:09:35
2 morning, everyone. Again, page 10 of the agenda. 11:09:35

3 We are recommending an investment of up 11:09:42
4 to \$50 million in Berkshire Multifamily Debt Fund 11:09:44
5 II. This would be PRIM's first investment with 11:09:47
6 the Berkshire Group. They are a Boston-based 11:09:49
7 firm with extensive experience owning and 11:09:51
8 operating multi-family properties at the national 11:09:54
9 level, on behalf of institutional clients. 11:09:57

10 The fund will target investment of 11:09:59
11 subordinate bonds of Freddie Mac loan 11:10:04
12 securitizations. And these bonds are commonly 11:10:07
13 referred to as B-piece bonds, and they represent 11:10:08
14 the junior-most tranche of the loan
15 securitizations.

16 Just to briefly touch on the
17 securitization process. Essentially, a group of
18 loans are pooled together to create a security,
19 and that security is then sliced or tranced into 11:10:22
20 numerous securities, which are then sold to 11:10:22
21 third-party investors at pricing that is 11:10:26
22 commensurate with the repayment priority of each 11:10:29
23 of those bonds. 11:10:29

24 So in this particular strategy, all of 11:10:29

1 the loans are underwritten by Freddie Mac, and 11:10:36
2 they are all multi-family loans. And that is 11:10:38
3 important, because Freddie Mac has a very low 11:10:40
4 historic default rate, which I will get into a 11:10:44
5 minute. There is typically anywhere from 40 to 11:10:46
6 100 loans in each of these pools, so there is 11:10:49
7 some natural diversification there. And they are 11:10:53
8 collateralized by commercial, multi-family 11:10:53
9 properties, that are all stabilized. So there is 11:10:53
10 no development exposure here. And they are 11:10:58
11 diversified across both markets and borrower 11:11:02
12 responses. 11:11:02

13 To clarify what we mean by multi-family 11:11:12
14 properties, so these are your typical apartment 11:11:12
15 buildings or apartment complexes, usually over 50 11:11:15
16 or 100 units, all rental units. So there is no 11:11:17
17 exposure here to for-sale condos or single-family 11:11:20
18 residential units. 11:11:25

19 We like this strategy for several key 11:11:25
20 reasons. First of all, they are risk-adjusted 11:11:29
21 returns. They are targeting a gross IRR of 13 to 11:11:33
22 14 percent. Despite being in the first loss 11:11:36
23 position of the debt stack, the underlying loans 11:11:39
24 have, on average, a 70 percent loan-to-value, so 11:11:42

1 there is a 30 percent equity cushion ahead of the 11:11:45
2 debt, which adds protection to the position. 11:11:47

3 And also, as I alluded to, the low 11:11:49
4 Freddie Mac historic default rates. Freddie Mac 11:11:52
5 began underwriting multi-family loans in the 11:11:57
6 mid-'90s. And since that time, the lifetime loss 11:11:57
7 rate has been only 6 basis points. And even in 11:12:00
8 the worst vintage year, which was 2006, of 11:12:02
9 course, ahead of the GFC, the loss rate for that 11:12:05
10 vintage was only 44 basis points, which is still 11:12:09
11 considerably low, especially compared to other 11:12:12
12 commercial loans. 11:12:12

13 We also like multi-family as a property 11:12:17
14 type. It is necessity real estate. It is more 11:12:18
15 defensive. It tends to have the lower volatility 11:12:22
16 with respect to vacancy and rental rates, 11:12:24
17 relative to other commercial property types, like 11:12:27
18 office or industrial or retail. And lastly and 11:12:29
19 probably most important, is the value that 11:12:34
20 Berkshire brings to this strategy. They have 11:12:35
21 access to the BP bonds, which Freddie Mac will 11:12:37
22 only sell the bonds to a select group of 11:12:37
23 investors that meet a similar profile as 11:12:44
24 Berkshire, that has a national platform, 11:12:45

1 extensive history owning and operating these 11:12:50
2 types of properties. And they have been the most 11:12:53
3 active buyer of the BP funds since Freddie Mac 11:12:54
4 began securitizing this type of loans, in 2009. 11:12:57
5 So they have a firm place in that rotation. 11:13:00

6 So with that, we will open it up to any 11:13:03
7 question that you might have. 11:13:06

8 MR. TROTSKY: Thank you, Christina. This 11:13:07
9 is an example of not only cross collaboration, 11:13:08
10 but a really unique and great opportunity that we 11:13:14
11 are really excited that you both uncovered. So 11:13:14
12 thank you for that. 11:13:17

13 And you might notice that the total 11:13:18
14 allocation is somewhat small, at \$60 million. We 11:13:20
15 would take all we could get in this, we like it 11:13:24
16 so much. But this is a case where we have to 11:13:27
17 sell ourselves to these managers, in a way, and 11:13:31
18 get into the -- 11:13:34

19 TREASURER GOLDBERG: Into their favored 11:13:36
20 nation status? 11:13:38

21 MR. TROTSKY: Yes. And I know that that 11:13:39
22 took some work and I think it goes a long way to 11:13:41
23 perhaps letting us increase, in scale, this 11:13:45
24 investment. I know you are speaking to other 11:13:48

1 similar managers that pursue this space, but it 11:13:50
2 is a great way to get started. 11:13:56

3 TREASURER GOLDBERG: This is a voting 11:13:58
4 item. So I would seek a motion that the PRIM 11:13:59
5 Board approve the Investment Committee's 11:14:03
6 recommendation to approve a commitment of up to 11:14:04
7 \$60 million to the Berkshire Multifamily Debt 11:14:06
8 Fund II in the other credit opportunities 11:14:09
9 allocation, and further to authorize the 11:14:11
10 Executive Director to take all actions necessary 11:14:13
11 to effectuate this vote. 11:14:16

12 Is there a motion? 11:14:18

13 MR. SHANLEY: So moved. 11:14:20

14 MR. BROUSSEAU: Second. 11:14:22

15 TREASURER GOLDBERG: This is a roll call. 11:14:23
16 Oh, question? 11:14:25

17 MR. NAUGHTON: I just have a question of 11:14:28
18 this, this multi-families dwellings. What sort 11:14:28
19 of rent spectrum are we talking about here? 11:14:31

20 MS. MARCARELLI: It runs the gamut, 11:14:31
21 really. It really depends on the market. Again, 11:14:33
22 these are national, so it represents all major -- 11:14:34

23 MR. NAUGHTON: So it would include low 11:14:38
24 cost? 11:14:40

1 MS. MARCARELLI: It could. It is all 11:14:41
2 workforce housing, so it all more affordable in 11:14:42
3 nature. So it is not the super luxury class A, 11:14:45
4 where we have seen a little bit of softness 11:14:49
5 because of increased supply. This is not that. 11:14:49
6 This is more defensive, sort of your traditional 11:14:51
7 suburban, multi-family properties. 11:14:55

8 MR. NAUGHTON: That is what I wanted to 11:14:59
9 know. Thank you. 11:14:59

10 TREASURER GOLDBERG: Any other questions? 11:14:59
11 Theresa? 11:15:05

12 MS. MCGOLDRICK: Yes. 11:15:05

13 TREASURER GOLDBERG: Bob? 11:15:07

14 MR. BROUSSEAU: Yes. 11:15:07

15 TREASURER GOLDBERG: Paul? 11:15:07

16 MR. SHANLEY: Yes. 11:15:08

17 TREASURER GOLDBERG: Dennis? 11:15:08

18 MR. NAUGHTON: Yes. 11:15:09

19 TREASURER GOLDBERG: Jim. 11:15:09

20 MR. HEARTY: Yes. 11:15:10

21 TREASURER GOLDBERG: Myself, yes. Thank 11:15:10
22 you. 11:15:10

23 (VOTED: To approve a commitment of up to 11:15:10
24 \$60 million to the Berkshire Multifamily Debt 11:15:10

1 Fund II.) 11:15:13

2 MR. TROTSKY: Good job. 11:15:13

3 MR. NIERENBERG: I am joined here by my 11:15:13

4 colleagues, Bill Li and Matt Liposky. So 11:15:34

5 starting off with just an update on portfolio 11:15:36

6 completion strategies. I am happy to report that 11:15:39

7 the PCS allocation performed well both for the 11:15:42

8 calendar year 2017 and also for the half-year 11:15:46

9 fiscal year beginning July 1st. 11:15:49

10 I just want to remind you that the PCS 11:15:53

11 monetizes four separate categories within the 11:15:57

12 performance report: hedge funds, which continues 11:15:58

13 to be the largest piece of the sleeve; risk 11:16:01

14 premia; real assets, which includes the recently 11:16:05

15 approved insurance allocation; and then the 11:16:09

16 equity hedge piece, which is the put spread 11:16:12

17 collar. 11:16:15

18 Bill is going to take you through the 11:16:15

19 performance in a little more detail. But in 11:16:17

20 addition to the strong relative performance to 11:16:19

21 their relevant indices, I just want to stress, 11:16:21

22 again, that it is really the risk-adjusted 11:16:25

23 performance that continues to be outstanding, and 11:16:27

24 that is what we are particularly proud about. 11:16:29

1 As of December 31st, PCS was 10.6 percent 11:16:37
2 of the PRIT Fund, with a target band of 10 to 11:16:38
3 16 percent. And as we look to expand the size of 11:16:40
4 each of those four PCS subcategories during this 11:16:43
5 calendar year, we do expect to finish the year at 11:16:48
6 or even above that mid-point target. 11:16:50

7 So with that, let me turn it over to 11:16:57
8 Bill, to give the quick highlights of the 11:16:57
9 performance. 11:16:59

10 MR. LI: Maybe before I get into the 11:17:00
11 hedge fund performance, please allow me to 11:17:02
12 briefly update you on the hedge fund industry for 11:17:07
13 2017. 11:17:10

14 As measured by HFRI, the fund-of-fund 11:17:11
15 index, the overall hedge fund industry returned 11:17:15
16 7.5 percent for 2017 and capital has been 11:17:19
17 actually flowing into the industry. Versus, in 11:17:23
18 2016, there had been \$100 billion net outflows 11:17:27
19 from hedge funds. 11:17:32

20 That said, equity-related hedge funds 11:17:33
21 were still challenged with a net outflows, even 11:17:38
22 though this specific category contributed the 11:17:42
23 most to the industry performance. In the 11:17:45
24 meanwhile, capital had been flowing into global 11:17:48

1 macro and even driven types of hedge funds. This 11:17:53
2 is the evidence that an increasing number of 11:17:57
3 allocators have been stepping into PRIM's camp, 11:18:00
4 where, firstly, we are mindful to not pay hedge 11:18:05
5 fund managers expensive fees for simply high 11:18:09
6 market betas. And two, we continue to argue that 11:18:13
7 hedge fund investing is more about searching for 11:18:18
8 strategies that are true diversifiers. 11:18:21

9 With that backdrop, I am happy to update 11:18:24
10 you that the PRIM hedge fund portfolio had a very 11:18:27
11 solid and steady year. The total hedge fund 11:18:32
12 portfolio was up 8.3 percent for the full year. 11:18:36
13 The direct portfolio was up 8.6 percent, 11:18:41
14 exceeding the benchmark by 140 basis points. The 11:18:45
15 portfolio realized a volatility of 1.6 percent, 11:18:51
16 and that is equivalent to that of the bonds. 11:18:56

17 From a risk-adjusted return perspective, 11:18:59
18 our Sharpe ratio was 4.5, and we are pretty happy 11:19:04
19 with the very solid performance. 11:19:09

20 Since we are really focused on the 11:19:12
21 bottom-up manager sourcing and selection, we 11:19:16
22 would also like to update you on the manager 11:19:19
23 level performance. Two-thirds of the hired 11:19:21
24 managers outperformed their peers for the 11:19:25

1 MR. TROTSKY: That was just a performance 11:21:14
2 update. Very well done. 11:21:16

3 TREASURER GOLDBERG: What really 11:21:18
4 fascinates me about this is I can't understand 11:21:19
5 why anyone wouldn't be doing what we are doing. 11:21:22
6 I mean, sometimes when I go to these bigger 11:21:24
7 meetings and I hear all of these pitches from 11:21:26
8 fund-to-fund and different hedge funds people, I 11:21:30
9 am like, I don't get it. 11:21:33

10 MR. TROTSKY: Right. 11:21:36

11 MR. NIERENBERG: I think it speaks, first 11:21:40
12 of all, to the commitment that you, as a board, 11:21:41
13 have given. As we have talked about, numerous 11:21:44
14 times, certainly, the news flow for certain 11:21:46
15 assets, like hedge funds or strategies like hedge 11:21:50
16 funds, can certainly be pretty negative, but I 11:21:53
17 think misses -- some of the criticisms are 11:21:56
18 certainly valid, but I think that the way we have 11:22:00
19 utilized hedge funds is very different. The 11:22:05
20 approach we have taken is different. 11:22:06

21 And to your point, Treasurer, the amount 11:22:07
22 of inquiries we are getting from our peers about 11:22:09
23 what we have done has really accelerated pretty 11:22:12
24 dramatically. So I think that is a great thing, 11:22:16

1 not just for us, but for hedge funds in general. 11:22:20

2 The more investors that are pursuing that 11:22:23

3 approach, the more the industry, just in general, 11:22:26

4 moves in that direction where it needs to be. 11:22:29

5 TREASURER GOLDBERG: I think it is also 11:22:31

6 you and your team are very creative. I mean, a 11:22:33

7 lot of the congratulations go to all of you, too. 11:22:37

8 MR. BROUSSEAU: We would not be 11:22:41

9 comfortable with this, as a board, if it was not 11:22:43

10 for the quality of the staff that we have doing 11:22:45

11 this work and presenting these novel ideas to us 11:22:47

12 and, I guess, understand them, to make these 11:22:53

13 decisions, because these are difficult decisions. 11:22:55

14 And probably -- I can say, probably other pension 11:22:57

15 funds do not have the same depth of staff, I 11:23:00

16 think, doing this, that we have. 11:23:03

17 MR. TROTSKY: Or the same quality, 11:23:08

18 either, for sure. 11:23:10

19 MR. NIERENBERG: Great. 11:23:12

20 Let me just turn to the next item, which 11:23:14

21 is our proposal for the emerging manager direct 11:23:16

22 hedge fund advisory managed account RFP. So back 11:23:22

23 in 2016, you authorized the issuance of an RFP 11:23:27

24 for us to identify advisors who could help 11:23:31

1 develop an emerging hedge fund managed account 11:23:34
2 program with the specific focus on global 11:23:38
3 macroeconomic and fund following managers. 11:23:39

4 The rationale for this was really 11:23:42
5 twofold. One is, as we have talked about 11:23:43
6 repeatedly, emerging managers do tend to 11:23:45
7 outperform their larger peers. It does mean that 11:23:48
8 you have to be very careful about the sourcing, 11:23:51
9 because the dispersion is higher, but the 11:23:53
10 opportunity set does exist. 11:23:56

11 And second, the inherent defensive nature 11:23:58
12 of these strategies are thought that they could 11:24:03
13 improve the overall portfolio risk return 11:24:04
14 profile. This is a really specialized search. 11:24:07
15 This is a real niche that very few others have 11:24:09
16 really looked at. There are literally thousands 11:24:12
17 of emerging hedge fund managers. And so careful 11:24:15
18 and thoughtful manager selection is really what 11:24:18
19 is going to be needed to identify those 11:24:21
20 outperformers. 11:24:23

21 So in the RFP search, we looked for 11:24:26
22 advisors capable of sourcing and selecting 11:24:27
23 talented investment managers; establishing the 11:24:30
24 infrastructure for our managed accounts, because, 11:24:32

1 as we have discussed in the past, it is really 11:24:35
2 crucial to how we invest in hedge funds; and then 11:24:37
3 managing and monitoring the program on an ongoing 11:24:40
4 basis. 11:24:43

5 This was very much a collaborative 11:24:44
6 approach among many different participants here 11:24:47
7 at PRIM and I am going to let Bill and Matt, in 11:24:49
8 turn, talk about different sleeves of that 11:24:53
9 program and the recommendations that we are 11:24:56
10 making to you today. 11:24:58

11 MR. LI: For the full evaluation and 11:24:59
12 report, you can find that in Appendix L of the 11:25:04
13 package. I will walk you through the RFP process 11:25:08
14 and the Evaluation Committee's advisory services 11:25:12
15 provider recommendation. Then Matt Liposky will 11:25:15
16 present the platform part. 11:25:21

17 Before getting to that, we would like to 11:25:23
18 clarify that there will be no investment managers 11:25:25
19 funded by virtue of this recommendation and vote. 11:25:29
20 Once the recommended advisors are hired, they 11:25:33
21 will commence a search for emerging managers, 11:25:36
22 globally, in the macro hedge fund space. And 11:25:40
23 once the initial search is concluded, a platform 11:25:44
24 of selected managers will be presented to the 11:25:48

1 Investment Committee and board. We also target 11:25:51
2 to work with both the recommended advisors, to 11:25:54
3 design a process that would enable continued 11:25:57
4 sourcing and additional funding in the program. 11:26:01

5 We are hoping to bring back to you, in 11:26:04
6 maybe August of this year, more details regarding 11:26:06
7 the program funding, size, process, and such. 11:26:09

8 On June 26th last year, we issued an RFP 11:26:13
9 for emerging manager direct hedge fund advisory 11:26:21
10 and a managed account platform services. The 11:26:24
11 response deadline was July 28th. The evaluation 11:26:29
12 meeting included board and Investment Committee 11:26:34
13 member Paul Shanley. It also included a staff 11:26:37
14 members Eric Nierenberg, Matt Liposky, David 11:26:42
15 Gurtz, Deb Coulter and Louis Roman. We would 11:26:45
16 like to thank everyone of the Evaluation 11:26:48
17 Committee for their participation. And the time 11:26:52
18 they had to dedicate to this marathon process was 11:26:56
19 really much appreciated. 11:27:00

20 We received 23 responses in total. Firms 11:27:01
21 were allowed to partner with each other to submit 11:27:07
22 a joint bid for both services. We invited 10 11:27:11
23 firms to PRIM's office for interviews, towards 11:27:16
24 the end of August. The 10 candidates were 11:27:19

1 selected based on criteria including fees, 11:27:22
2 relevant experience, stability, and depth of the 11:27:26
3 proposed team, and the suitability of the 11:27:30
4 infrastructure. During the interview, we further 11:27:32
5 evaluated the firms against those mentioned 11:27:36
6 criteria. Subsequent to the interviews, two 11:27:41
7 firms were identified as finalists for advisory 11:27:44
8 services and two others for platform services. 11:27:49

9 After thoroughly reviewing all proposals, 11:27:52
10 on-site interviews at the finalists' offices, and 11:27:57
11 making reference calls, the Evaluation Committee 11:28:01
12 unanimously recommended that NewAlpha Asset 11:28:03
13 Management be selected to provide emerging 11:28:08
14 manager direct hedge fund advisory services. 11:28:11

15 Although some of may have heard minimally 11:28:13
16 about NewAlpha Asset Management, it is actually 11:28:17
17 Europe's most well known and most active 11:28:21
18 specialist in this emerging manager hedge fund 11:28:26
19 space. Based in Paris, NewAlpha is primarily 11:28:29
20 owned by La Francaise Asset Management, a leading 11:28:33
21 French institutional asset management group with 11:28:37
22 \$75 billion U.S. dollar AUM. 11:28:41

23 NewAlpha has been providing direct hedge 11:28:44
24 fund advisory services since 2009 for 11:28:47

1 institutional clients only and currently has 11:28:50
2 \$700 million assets under management. As a true 11:28:54
3 pioneer in the emerging manager investment, 11:29:00
4 NewAlpha has invested over \$1.6 billion in early 11:29:01
5 stage international investment firms. 11:29:05

6 Their CEO, Antoine Rolland, leads a 11:29:08
7 stable investment team of 11, that come from a 11:29:13
8 diverse experience and the cultural background of 11:29:15
9 both hedge fund managements and manager 11:29:20
10 selection. Throughout the process, NewAlpha 11:29:24
11 demonstrated a tremendous expertise. The hedge 11:29:29
12 fund strategy types that PRIM's emerging manager 11:29:30
13 hedge fund program targets, those strategies 11:29:34
14 specifically include discretionally micro, 11:29:37
15 systematic micro, CTA, and a relative value. 11:29:40

16 As Eric explained, the target strategies 11:29:45
17 are evidently most uncorrelated to equity betas. 11:29:48
18 And, thus, the defensive nature could help 11:29:52
19 improve the overall return/risk profile of the 11:29:56
20 PRIM funds. And those strategies are 11:30:00
21 particularly popular in Europe, where NewAlpha 11:30:03
22 has an excellent reputation. 11:30:07

23 With that, I am going to turn to Matt for 11:30:09
24 the platform description. 11:30:11

1 MR. LIPOSKY: We are recommending to the 11:30:12
2 Board the selection of Innocap to provide 11:30:18
3 platform services for this mandate. 11:30:19

4 Innocap has been offering managed account 11:30:22
5 solutions since 1996. Based in Montreal, the 11:30:25
6 company has over 50 employees, who solely focus 11:30:28
7 on structuring and operating customized 11:30:31
8 investment vehicles. In general, this includes 11:30:33
9 structuring investment vehicles, oversight and 11:30:36
10 control of the operations of the fund on a daily 11:30:39
11 basis, compliance and risk monitoring of the 11:30:41
12 funds on a daily basis, cash management, 11:30:44
13 operational due diligence on prospective and 11:30:45
14 existing investment managers, as well as legal 11:30:48
15 expertise. One way to look at this is enhanced 11:30:51
16 middle office, with a specific focus on hedge 11:30:53
17 fund trading operations. 11:30:57

18 With just under \$6 billion in assets, 11:30:59
19 Innocap is one of the larger providers of 11:31:04
20 platform services in the industry. Two of their 11:31:07
21 largest clients are Caisse de Depot and Ontario 11:31:10
22 Teachers, both of whom are premiere players in 11:31:12
23 the managed account industry. 11:31:18

24 And I will highlight two main points or a 11:31:19

1 few main points as to why the Evaluation 11:31:22
2 Committee felt that Innocap was a preferred 11:31:24
3 choice for this mandate. First of all, they are 11:31:27
4 truly a full-service platform provider. A good 11:31:31
5 platform provider should truly act as the 11:31:34
6 plumbing between the client, the investment 11:31:36
7 manager, and the trading counterparties, to 11:31:38
8 really be an extension of our staff. And we 11:31:40
9 believe Innocap is structured to do this and has 11:31:44
10 done this in the past. 11:31:46

11 Innocap is a world leader in structuring 11:31:48
12 and operating managed account platforms and have 11:31:51
13 been doing so for over 20 years. They offer a 11:31:53
14 full suite of services, when it comes to managed 11:31:56
15 accounts platforms and has a deep, experienced 11:31:58
16 team to oversee and monitor our program. Again, 11:32:00
17 this is all they do. This is their sole focus. 11:32:03

18 The experience with emerging manager 11:32:06
19 programs, which we are looking to do, this is 11:32:09
20 really a majority of their assets. They have 11:32:12
21 done these strategies before, they have done 11:32:16
22 these programs before. And they really act as 11:32:16
23 the point person between the client and the 11:32:19
24 investment advisor, to really structure and 11:32:22

1 establish the program which we are looking to 11:32:25
2 provide or put together. 11:32:28

3 The additional operational due diligence 11:32:29
4 support that Innocap offers is a true 11:32:32
5 differentiator from other respondents. If 11:32:37
6 NewAlpha or PRIM were to determine a certain 11:32:38
7 investment strategy to be attractive, yet the 11:32:41
8 strategy of the investment manager has some holes 11:32:44
9 within its operations, Innocap will work closely 11:32:48
10 in conjunction with NewAlpha, to properly address 11:32:52
11 the operational due diligence issues and groom 11:32:54
12 the manager to be institutional quality. 11:32:58

13 This is, again, a true differentiator. 11:33:01
14 And operational due diligence is important when 11:33:03
15 you are looking at investment managers, but even 11:33:06
16 more so when you are considering emerging 11:33:08
17 managers. So we felt this is be one of the core 11:33:10
18 initiatives, the core principles that Innocap 11:33:13
19 offers. 11:33:16

20 And lastly, the consolidate fee. As Bill 11:33:17
21 mentioned, this is a joint fee proposal between 11:33:20
22 Innocap and NewAlpha. And on a consolidated 11:33:23
23 basis, this fee proposal was attractive with 11:33:25
24 Innocap offering a few of 22.5 basis points and 11:33:28

1 NewAlpha offering \$250,000 a year. 11:33:31

2 MR. TROTSKY: So I just have to make sure 11:33:36
3 the Board is aware that -- I have said this in 11:33:38
4 the past -- that as far as our investment team 11:33:42
5 innovates and as fast as they run, it requires 11:33:46
6 our finance and operation team to also run just 11:33:49
7 as quickly, in lock step. And there is no better 11:33:52
8 example, really, in the finance staff than Matt 11:33:55
9 Liposky and the way he has worked with Eric and 11:33:58
10 Bill and soon, Maria, on this platform and 11:34:01
11 others. 11:34:06

12 I mean, you have become a world-wide 11:34:06
13 expert in managed account operational due 11:34:09
14 diligence of these type of managers, which makes 11:34:12
15 it difficult for other pension funds to keep up, 11:34:16
16 frankly. And hats off to you. And this is 11:34:19
17 another great example of a differentiated team we 11:34:22
18 have here at PRIM, working together both on the 11:34:29
19 investment side and on the operation and planning 11:34:31
20 side. So hats off to you all. 11:34:33

21 MR. LIPOSKY: Thank you. 11:34:36

22 So with that, we will take any questions. 11:34:36

23 TREASURER GOLDBERG: This is a voting 11:34:39
24 item, so I am going to move the item and then 11:34:40

1 follow it with questions. 11:34:43

2 I would seek approval that the PRIM Board 11:34:45

3 approve the Investment Committee's recommendation 11:34:50

4 to approve the selection of NewAlpha Asset 11:34:53

5 Management to provide advisory services and 11:34:54

6 Innocap to provide managed account platform 11:34:57

7 services for the emerging manager direct hedge 11:35:01

8 fund program, as described in Appendix L of the 11:35:04

9 agenda, and further to authorize the Executive 11:35:09

10 Director to take all actions necessary to 11:35:11

11 effectuate this vote. 11:35:13

12 Is there a vote? 11:35:14

13 MR. SHANLEY: So moved. 11:35:16

14 MR. BROUSSEAU: Second. 11:35:18

15 TREASURER GOLDBERG: Questions? 11:35:19

16 MR. BROUSSEAU: Matt or Bill, it seems 11:35:21

17 unusual to me for two firms to do a joint return 11:35:25

18 and recommendation on fees and all of that. Is 11:35:29

19 that unusual? 11:35:32

20 MR. NIERENBERG: No, it is not that 11:35:35

21 unusual, and we actually got a number of joint 11:35:37

22 bids. And we encouraged it, in the sense that 11:35:38

23 this is a very different kind of search and a 11:35:41

24 different kind of program than even what we have, 11:35:44

1 already, with our direct hedge fund program. And 11:35:48
2 what we were really looking for, that was a 11:35:50
3 really high priority for us through this process, 11:35:52
4 was making sure that the advisor and the managed 11:35:55
5 account provider could really interact well 11:35:58
6 together. 11:36:01

7 One of the -- to the extent that there 11:36:02
8 would be concerns that -- this is something we 11:36:05
9 thought about for years, about doing. But the 11:36:07
10 concern, such as it is, that I think was always a 11:36:10
11 legitimate concern and was very much on our minds 11:36:13
12 throughout this process, was how much of our 11:36:16
13 internal time would this take up. We didn't want 11:36:19
14 to be having an emerging manager program which is 11:36:22
15 still designed to be a relatively small fraction 11:36:25
16 of our total hedge fund assets, but have it take 11:36:28
17 up a disproportion amount of our staff time. 11:36:31

18 So having that close interaction between 11:36:34
19 the two, to kind of create a more seamless 11:36:36
20 process, that we are still kind of in charge 11:36:39
21 of -- this is not a fund-to-fund. This is us 11:36:41
22 making -- the Board making discretionary 11:36:44
23 investment decisions, ultimately. But making 11:36:48
24 sure that there is nothing that would fall 11:36:50

1 through the gaps, so to speak. 11:36:53

2 So the fact that they even submitted a 11:36:54

3 joint bid -- they submitted the fee portion 11:36:56

4 separately, but everything else was joint -- to 11:37:01

5 us, was actually a very good sign, because it 11:37:03

6 indicated that they were having some degree of 11:37:06

7 collaboration and discussion, already, about 11:37:08

8 this, about how this mandate would work. 11:37:10

9 So I don't know if that completely 11:37:14

10 answers your question, but that was our feeling. 11:37:17

11 MR. TROTSKY: And they speak the same 11:37:19

12 language, Paris and Montreal. They speak English 11:37:21

13 and French. 11:37:25

14 MR. NAUGHTON: I just want to make a 11:37:28

15 quick comment. I find this very exciting. I 11:37:30

16 look forward to watching this develop. 11:37:33

17 MR. LIPOSKY: Thank you. 11:37:39

18 MR. NIERENBERG: Thank you. 11:37:41

19 TREASURER GOLDBERG: Any other questions 11:37:41

20 or comments? 11:37:42

21 We have a motion. We have a second. 11:37:43

22 Theresa? 11:37:45

23 MR. TROTSKY: Yes. 11:37:45

24 TREASURER GOLDBERG: Bob? 11:37:45

1 MR. BROUSSEAU: Yes. 11:37:47

2 TREASURER GOLDBERG: Paul? 11:37:48

3 MR. SHANLEY: Yes. 11:37:48

4 TREASURER GOLDBERG: Dennis? 11:37:49

5 MR. NAUGHTON: Yes. 11:37:49

6 TREASURER GOLDBERG: Jim? 11:37:49

7 MR. HEARTY: Yes. 11:37:50

8 TREASURER GOLDBERG: Myself, yes. 11:37:51

9 Thank you. 11:37:52

10 (VOTED: To approve the emerging manager 11:37:52

11 direct hedge fund advisory and managed account 11:37:52

12 platform services RFP recommendations.) 11:37:53

13 MR. TROTSKY: Good job, guys. 11:37:53

14 TREASURER GOLDBERG: Next, Mr. Bailey. 11:37:58

15 MR. BAILEY: Good morning, everyone. I 11:38:05

16 am Mike Bailey. I am joined by Michael McGirr 11:38:08

17 and Alyssa Fiore from our private equity team. 11:38:15

18 We are going to spend a couple minutes on 11:38:17

19 performance and then we have got three voting 11:38:18

20 items. I will just be really brief. 11:38:18

21 A lot of great news from the private 11:38:22

22 equity portfolio. We have advanced to a 22 11:38:22

23 percent one-year number, which brings it up about 11:38:26

24 13 points from its number one year ago, so a very 11:38:28

1 large move up, from about 11 to 24. And this is 11:38:31
2 the best performance we have had since the fall 11:38:35
3 of 2014. 11:38:37

4 And, I think, remarkably, it is a 11:38:40
5 portfolio that outperformed the U.S. equity 11:38:43
6 market, which advanced about 21 percent. As you 11:38:46
7 recall, we have about a 3 percent return premium 11:38:49
8 we expect from the portfolio. So it did perform 11:38:51
9 in line with its goal, even though the public 11:38:55
10 equity market, as Dave outlined, had a fantastic 11:38:58
11 year. 11:39:02

12 So really proud of the performance of the 11:39:02
13 portfolio. Haven't heard of any other large 11:39:04
14 pension portfolio that has out performed this 11:39:06
15 private equity portfolio. So a lot of great 11:39:10
16 news. 11:39:12

17 On the market side, the private equity 11:39:13
18 business continued to rock and roll last year. 11:39:15
19 The volume of transactions advanced about 11:39:19
20 24 percent, off of 2016. So a lot of volume. As 11:39:21
21 we have talked about before, pricing also went 11:39:26
22 up. So high volume and 24 high prices. We think 11:39:28
23 that pricing is being driven, in part, by large 11:39:32
24 corporations, larger companies acquiring smaller 11:39:36

1 businesses, to continue to drive their growth, as 11:39:40
2 they see sources of organic growth sort of peter 11:39:42
3 out in the U.S., but they are leaning into 11:39:46
4 smaller companies and getting involved in buying 11:39:47
5 these businesses. That is a competitive force in 11:39:50
6 our market and drives prices up. 11:39:53

7 And secondly, as you all know -- we 11:39:56
8 talked about the yields earlier -- on the credit 11:39:59
9 side of the high yield market, it is very wide 11:40:01
10 open and accommodating to buyers of businesses. 11:40:07
11 So our private equity firms that often use 11:40:09
12 financial leverage to acquire businesses, were 11:40:12
13 able to access that at a cheap cost. So even 11:40:14
14 though they could pay higher prices, they could 11:40:17
15 justify those with lower cost borrowing. 11:40:19

16 And what all of this means for us is, it 11:40:22
17 was a busy year. As you know, you approved over 11:40:24
18 \$1.4 billion of commitments to new funds and 13 11:40:27
19 buyouts. The team saw about 90 buyout funds last 11:40:31
20 year, in the pipeline, nine-zero. So we felt 11:40:35
21 that we had to be really selective and choosy. 11:40:37
22 And we are seeing a lot of activity, but we have 11:40:41
23 to be really careful, because these are 11:40:43
24 high-priced markets and we have to be cautious 11:40:44

1 about committing new capital and only lean into 11:40:47
2 firms who we really have conviction that they are 11:40:50
3 being careful and justifying our capital 11:40:52
4 commitment. 11:40:56

5 So thanks for your commitment and thanks 11:40:56
6 for your vote of confidence in advancing the 11:40:59
7 portfolio goal to 12 percent from 11 percent. 11:41:02

8 MR. BROUSSEAU: You think we are ready 11:41:05
9 for another one this year? 11:41:07

10 MR. BAILEY: I think so. We haven't seen 11:41:09
11 that data yet, but we should be seeing it in the 11:41:10
12 next couple of months, Bob. So I hope so. I 11:41:12
13 hope so. It looks very good. 11:41:18

14 And as Michael mentioned, just a word on 11:41:18
15 what we will be looking forward to in the next 11:41:22
16 couple of quarters and then we will talk about 11:41:23
17 the voting items. We had a large jump in 11:41:25
18 distribution, so the cash coming back. You will 11:41:31
19 see that in your materials. Almost a 60 percent 11:41:32
20 jump in that fourth quarter period, over \$600 11:41:34
21 million in cash. That is usually a really strong 11:41:38
22 leading indicator for the next quarter's 11:41:41
23 performance. Because oftentimes, those companies 11:41:43
24 are being sold at prices that are higher than the 11:41:45

1 last valuation, the appraised value. 11:41:46

2 So those are real dollars, real 11:41:50

3 performance. We put it in the books. It is not 11:41:50

4 a paper gain; it is a real gain. And we expect 11:41:53

5 that to come through the next quarter. 11:41:56

6 The early reports from managers we have 11:41:58

7 spoken to are that the appraised values are going 11:42:00

8 to advance in the fourth quarter. No surprise. 11:42:00

9 We are seeing 3 to 4 percent, early signs in 11:42:07

10 terms of quarterly performance. So we should 11:42:08

11 have a very strong quarter. 11:42:10

12 And as Michael mentioned, the federal 11:42:12

13 government passed, as we all know, tax 11:42:15

14 legislation at the end of the year. And with a 11:42:18

15 drop in the corporate tax rate from 35 to 11:42:39

16 21 percent, we should see that flow through the 11:42:39

17 equity valuations of these small businesses that 11:42:39

18 do pay taxes. Some of them do. So that should 11:42:39

19 increase the valuation. We don't know yet. 11:42:39

20 Our consultant, Hamilton Lane, published 11:42:39

21 a report a few weeks ago that indicated you could 11:42:39

22 see valuation rises anywhere from the single 11:42:40

23 digits to the mid-teens. We have heard from a 11:42:42

24 couple managers, you could see as much as a 11:42:45

1 10 percent rise in valuation. 11:42:47

2 So what the government gives, they also 11:42:49

3 take away. We see this as a sign that other 11:42:51

4 companies, big companies that are also taxpayers, 11:42:55

5 may be even more aggressive in bidding for small 11:42:58

6 companies, continuing to drive up prices. 11:43:00

7 Because suddenly, their cost of capital fell, if 11:43:04

8 you think about them as taxpayers. 11:43:05

9 Generally, PE firms aren't as much -- 11:43:09

10 don't benefit as much from that. They even use 11:43:12

11 leverage and shield their taxes using interest 11:43:14

12 deductions, and the government sort of took away 11:43:16

13 some of that interest deductibility, at the same 11:43:19

14 time. They sort of gave to the big companies and 11:43:21

15 took away from private equity. 11:43:23

16 So we will see what that all flows 11:43:24

17 through to, but we expect the large companies to 11:43:27

18 continue to be competitive in these situations, 11:43:28

19 and that could continue to generate more 11:43:32

20 liquidity for our portfolio as we go forward, but 11:43:34

21 it also makes it harder for our private equity 11:43:37

22 firms to bid against them, without that 11:43:39

23 advantage. 11:43:41

24 And then finally, we are starting to see 11:43:41

1 some green shoots from what I could call an 11:43:43
2 underwhelming performance in our venture capital 11:43:46
3 portfolio for the last several years. We are 11:43:48
4 starting to see some green shoots there, with 11:43:50
5 some -- 11:43:52

6 TREASURER GOLDBERG: Aren't those legacy 11:43:52
7 investments? 11:43:54

8 MR. BAILEY: A lot of them are, 11:43:56
9 Treasurer Goldberg, yes. 11:43:56

10 So we are starting to see some green 11:43:56
11 shoots both on the biotech side, where we some 11:43:56
12 nice write-ups in the fourth quarter, and some 11:44:02
13 IPO activity and some sales to larger pharma 11:44:03
14 companies that are looking, again, to sort of 11:44:08
15 drive their stable of drugs by acquiring our 11:44:10
16 small companies that have been successful in drug 11:44:13
17 discovery. 11:44:17

18 And I think those are my comments on 11:44:19
19 performance. So unless there are questions about 11:44:26
20 the performance, I will turn to the voting items. 11:44:30

21 MR. TROTSKY: Just on the tax platform, 11:44:37
22 with regard to the interest rate deductibility. 11:44:38
23 It is true that that is a negative. But for our 11:44:40
24 portfolio, in general, relative to our peers, 11:44:42

1 wouldn't you say that we -- our general partners 11:44:45
2 have less leverage and then should be less 11:44:50
3 impacted versus maybe the markets in general? 11:44:53

4 MR. BAILEY: That is a good point. Firms 11:44:57
5 that didn't use as much leverage, that is a good 11:44:59
6 point. And we also have some firms that -- the 11:45:01
7 government also provided some new deductibility 11:45:06
8 for capital expenditures. And so some of our 11:45:09
9 businesses do have cap X budgets, and that will 11:45:11
10 advance -- that will help their tax. 11:45:11

11 I think it is a net positive. So I 11:45:17
12 didn't mean to sort of misstate that. I think it 11:45:20
13 is a net positive, when the government reduces 11:45:22
14 your taxes from 35 to 20, but they also took some 11:45:24
15 of that away through the deductibility. I think 11:45:28
16 it is a bigger problem with the bigger taxpaying 11:45:31
17 corporations; that is what we are hearing. 11:45:34

18 MR. TROTSKY: Right. Thank you. 11:45:36

19 And those write-ups should begin to 11:45:40
20 accrue? 11:45:42

21 MR. BAILEY: We will get those in the 11:45:43
22 March results, yes. 11:45:45

23 MR. TROTSKY: Great. 11:45:45

24 MR. BAILEY: And probably, that will be 11:45:47

1 kind of a one-time -- I am guessing that will 11:45:49
2 probably flow through one time. 11:45:52

3 MR. TROTSKY: Just one quarter. 11:45:53

4 MR. BAILEY: I would think so. I don't 11:45:54
5 think they will spread those out, but we will 11:45:56
6 see. 11:45:59

7 On the public side, I think some of that 11:45:59
8 was anticipated, by the way. Public 11:46:01
9 municipalities sort of build in some of that. 11:46:03
10 The privates didn't really have that opportunity, 11:46:05
11 so you will just sort of see that now. Whereas, 11:46:06
12 I think, in Dave and Dr. Andre's world, that was 11:46:09
13 probably starting to get priced into the stocks 11:46:13
14 at the end of the year, as that legislation 11:46:15
15 started to get talked about. 11:46:17

16 MR. TROTSKY: Yes, good point. 11:46:19

17 MR. BAILEY: Questions? 11:46:20

18 So I think we have three voting items. 11:46:27
19 We are going to start with couple of 11:46:30
20 recommendations for our new first investments for 11:46:32
21 2018. 11:46:39

22 TREASURER GOLDBERG: Okay. So Thoma 11:46:39
23 Bravo? 11:46:42

24 MR. BAILEY: Thoma Bravo. Do you want us 11:46:43

1 to start or would you prefer -- 11:46:50

2 TREASURER GOLDBERG: Do you want me to do 11:46:52

3 the motion? 11:46:53

4 MR. BAILEY: It is up to you. 11:46:54

5 TREASURER GOLDBERG: You were kind of 11:46:55

6 gazing at me. 11:46:58

7 MR. BAILEY: I am following your lead. 11:46:59

8 (Laughter.) 11:47:01

9 TREASURER GOLDBERG: Sometimes I mess you 11:47:01

10 up on that. 11:47:03

11 MR. BAILEY: I am aware of that. I don't 11:47:04

12 want to be in that position again. 11:47:05

13 TREASURER GOLDBERG: I have done that 11:47:05

14 before. That is typically because you are 11:47:08

15 towards the end of the day and we are beginning 11:47:10

16 to lose -- anybody need coffee, fruit, bagels, 11:47:12

17 jumping up and down? 11:47:17

18 MR. BAILEY: A little stretch. 11:47:19

19 TREASURER GOLDBERG: Seventh inning 11:47:20

20 stretch. 11:47:22

21 I would seek a motion that the PRIM Board 11:47:23

22 approve the Investment Committee's recommendation 11:47:26

23 to approve a commitment of up to \$100 million to 11:47:31

24 Thoma Bravo Discover Fund II, LP, and further to 11:47:31

1 authorize the Executive Director to take all 11:47:37
2 actions necessary to effectuate this vote. 11:47:38
3 Therefore, is there a motion? 11:47:40
4 MR. BROUSSEAU: So moved. 11:47:45
5 TREASURER GOLDBERG: Second? 11:47:46
6 MR. SHANLEY: Second. 11:47:48
7 TREASURER GOLDBERG: Would you like to 11:47:48
8 present this? 11:47:49
9 MR. BAILEY: Alyssa Fiore would like to. 11:47:50
10 TREASURER GOLDBERG: Alyssa? 11:47:53
11 MR. FIORE: Thank you, Treasurer. 11:47:53
12 Thoma Bravo is an existing manager for 11:47:55
13 PRIM. We have invested in 10 investments since 11:47:56
14 1998. So they have come to the table quite 11:47:58
15 frequently. The Discover Fund is Thoma Bravo's 11:47:58
16 small cap strategy that was launched in 2015, and 11:48:05
17 they are differentiated from the flagship fund by 11:48:07
18 targeting lower, middle market companies. 11:48:10
19 Thoma Bravo is a sector-focused fund, out 11:48:12
20 in San Francisco, and they are investing 11:48:15
21 exclusively in software businesses. The firm has 11:48:17
22 a long history investing in this space. It has a 11:48:20
23 strong reputation in the software industry. 11:48:25
24 Thoma Bravo has a very large and experienced 11:48:27

1 team, and their sector focus provides them a 11:48:29
2 sourcing advantage. 11:48:32

3 The firm also has an internal operations 11:48:34
4 team that helps their investment professional 11:48:37
5 execute on the value creation strategies. 11:48:39

6 In the interest of time, I will open the 11:48:42
7 floor to any question or comments. 11:48:44

8 TREASURER GOLDBERG: Any questions, 11:48:53
9 Dennis? 11:48:54

10 MR. NAUGHTON: No. I find it a very good 11:48:57
11 investment. I can't wait to vote on it. 11:48:59

12 (Laughter.) 11:48:59

13 TREASURER GOLDBERG: I couldn't hear your 11:48:59
14 question. 11:48:59

15 MR. SHANLEY: I asked if we were going to 11:49:04
16 get the \$100 million. A lot of times, we would 11:49:04
17 like to, but sometimes it is capacity. 11:49:06

18 TREASURER GOLDBERG: Right. 11:49:07

19 MR. SHANLEY: And we are. 11:49:09

20 TREASURER GOLDBERG: Any other questions? 11:49:10

21 MR. BROUSSEAU: This fund has been one of 11:49:11
22 our most successful, I think, private equity 11:49:13
23 investments over the years. It has done very 11:49:15
24 well. 11:49:18

1	MS. FIORE: Yes.	11:49:19
2	TREASURER GOLDBERG: Okay. We have a	11:49:21
3	motion. We have a motion. We have a second.	11:49:27
4	Theresa?	11:49:27
5	MS. MCGOLDRICK: Yes.	11:49:27
6	TREASURER GOLDBERG: Bob?	11:49:31
7	MR. BROUSSEAU: Yes.	11:49:31
8	TREASURER GOLDBERG: Paul?	11:49:32
9	MR. SHANLEY: Yes.	11:49:32
10	TREASURER GOLDBERG: Dennis?	11:49:33
11	MR. NAUGHTON: Yes.	11:49:33
12	TREASURER GOLDBERG: Jim.	11:49:34
13	MR. HEARTY: Yes.	11:49:34
14	TREASURER GOLDBERG: Myself, yes.	11:49:34
15	(VOTED: To approve a commitment of up to	11:49:34
16	\$100 million to Thoma Bravo Discover Fund II,	11:49:34
17	LP.)	11:49:35
18	TREASURER GOLDBERG: Okay. Now, I need	11:49:35
19	two more votes, do we not? So I will seek a	11:49:39
20	motion that the PRIM Board approve the Investment	11:49:42
21	Committee's recommendation to approve a	11:49:46
22	commitment of up to \$150 million to American	11:49:48
23	Securities Parties VIII, LP, and further to	11:49:53
24	authorize the Executive Director to take all	11:49:55

1 action necessary to effectuate this vote. 11:49:56

2 Who is up? Again? 11:49:59

3 MS. FIORE: Again. 11:49:59

4 So American Securities is another re-up 11:50:04

5 for PRIM. We have invested in three funds since 11:50:04

6 2008. American Securities is a New York firm and 11:50:06

7 they invest in middle market companies in North 11:50:10

8 America. They traditionally pursue investments 11:50:12

9 in the industrial industry, but they will also 11:50:15

10 look at healthcare, business services, and the 11:50:17

11 consumer sector. And they are really looking for 11:50:20

12 companies with strong market shares and stable 11:50:22

13 cash flows. The firm has had strong performance 11:50:24

14 and has a senior investment team that has been 11:50:27

15 working together for over 15 years. 11:50:29

16 American Securities has an in-house 11:50:32

17 operations team that will work with the 11:50:34

18 investment team during diligence and post 11:50:37

19 investment, to help drive some of these portfolio 11:50:40

20 company improvements and accelerate earnings and 11:50:42

21 revenue growth. 11:50:45

22 We think they have a highly talented 11:50:46

23 organization with proven investment skills, and 11:50:48

24 we are excited to continue, hopefully, with your 11:50:50

1 vote, to invest with American Securities. 11:50:53

2 TREASURER GOLDBERG: And on Paul's 11:50:55

3 behalf, I will ask, do you think we will get the 11:50:57

4 \$150 million? 11:50:59

5 MR. FIORE: Yes. 11:51:01

6 TREASURER GOLDBERG: Okay. Any other 11:51:01

7 questions on this. 11:51:03

8 MR. NAUGHTON: I just have one. 11:51:06

9 TREASURER GOLDBERG: Yes. 11:51:06

10 MR. NAUGHTON: I notice it says, 11:51:06

11 "business services, healthcare, energy and 11:51:06

12 consumer." What is the nature of the energy 11:51:11

13 investments? 11:51:13

14 MR. FIORE: So this isn't an area where 11:51:13

15 they have spent too much of their time investing, 11:51:13

16 but they have made some investments. Some of 11:51:16

17 them have been pieces of the energy end markets. 11:51:17

18 MR. BAILEY: Yes. I would say, because 11:51:26

19 they have this strong industrial arm, they see 11:51:27

20 businesses that are providing services to the oil 11:51:30

21 and gas industry. So you can think of drilling 11:51:35

22 equipment companies, that make highly engineered 11:51:38

23 components of a drill, to operation. And that is 11:51:42

24 a good example, I think. 11:51:46

1 MR. NAUGHTON: Thanks. 11:51:48

2 MR. BAILEY: No actual natural resource 11:51:50

3 investing. 11:51:51

4 MR. NAUGHTON: Fracking equipment. 11:51:56

5 MR. BAILEY: Sometimes. 11:51:58

6 TREASURER GOLDBERG: Okay. Any other 11:52:02

7 questions? Seeing none, we have a motion, we 11:52:03

8 have a second. 11:52:03

9 Theresa? 11:52:03

10 MS. MCGOLDRICK: Yes. 11:15:05

11 TREASURER GOLDBERG: Bob? 11:15:07

12 MR. BROUSSEAU: Yes. 11:15:07

13 TREASURER GOLDBERG: Paul? 11:15:07

14 MR. SHANLEY: Yes. 11:15:08

15 TREASURER GOLDBERG: Dennis? 11:15:08

16 MR. NAUGHTON: Yes. 11:15:09

17 TREASURER GOLDBERG: Jim? 11:15:09

18 MR. HEARTY: Yes. 11:15:10

19 TREASURER GOLDBERG: Myself, yes. 11:15:10

20 (VOTED: To approve a commitment of up to 11:15:10

21 \$150 million to American Securities Partners 11:15:10

22 VIII, L.P.) 11:15:10

23 MR. BAILEY: The last one is not an 11:52:21

24 investment. It is a change to some of the 11:52:23

1 co-investment guidelines that you all approved a 11:52:23
2 few years ago. And Michal McGirr -- 11:52:26

3 TREASURER GOLDBERG: Except I haven't 11:52:32
4 sought a motion. 11:52:33

5 MR. BAILEY: Sorry. 11:52:34

6 TREASURER GOLDBERG: We are going to do 11:52:35
7 it this way, which was different than every other 11:52:35
8 way we did it today. We are going to stay 11:52:37
9 consistent. 11:52:40

10 I would seek a motion that the PRIM Board 11:52:41
11 approve the Investment Committee's recommendation 11:52:41
12 to approve the changes to PRIM's co-investment 11:52:43
13 guidelines, allowing growth equity investments 11:52:45
14 and adding TCV, KPS, and Kainos to the 11:52:49
15 co-investment manager bench, as described in 11:52:55
16 Appendix M of the agenda, and further to 11:52:55
17 authorize the Executive Director to take all 11:53:00
18 actions necessary to effectuate this vote. 11:53:02

19 Is there a motion? 11:53:04

20 MR. SHANLEY: I move. 11:53:06

21 MR. BROUSSEAU: Second. 11:53:09

22 TREASURER GOLDBERG: Now, Michael. 11:53:10

23 MR. BAILEY: So we are on Appendix M, as 11:53:13
24 the Treasurer mentioned. Really what we are 11:53:15

1 talking about is expanding our current 11:53:16
2 co-investment program, so to include growth 11:53:19
3 equity, and then adding three managers, as the 11:53:21
4 Treasurer mentioned. 11:53:25

5 So on page 1 of Appendix M is just a 11:53:27
6 definition of what growth equity is. We are 11:53:29
7 talking about a small portion of our portfolio. 11:53:31
8 It is about 10 percent of our NAB, as we see 11:53:34
9 today. Really, growth equity, as we define it, 11:53:38
10 we are talking about companies that are on a 11:53:41
11 spectrum of the stage of development. So we are 11:53:45
12 not talking about venture companies. We are not 11:53:47
13 talking about venture capital. And also we are 11:53:50
14 not talking about companies that can go through a 11:53:53
15 buyout transaction. We are talking about young, 11:53:56
16 growthy companies that need additional capital in 11:53:58
17 order to grow. Oftentimes, these companies are 11:54:00
18 not profitable and typically in these 11:54:04
19 transactions, there is no leverage. So just to 11:54:06
20 orient the discussion, that is what we mean by 11:54:10
21 growth equity. 11:54:12

22 In terms of the current program, on page 11:54:16
23 2, our current program is dedicated just to 11:54:17
24 buyout investing. So what we are asking is to 11:54:21

1 expand that to include growth equity and 11:54:24
2 co-investing for this definition. 11:54:27

3 And page 2 is just a reminder that all of 11:54:29
4 our co-investments are sourced from our approved 11:54:31
5 bench of co-investment managers. And the private 11:54:34
6 equity team presents, for approval, each manager 11:54:38
7 to be added to the co-investment bench. So that 11:54:41
8 is what we are doing today, with three additional 11:54:44
9 managers. 11:54:45

10 We then recommend to the CIO, approval 11:54:46
11 for each individual co-investment and 11:54:49
12 notification is given to the Investment Committee 11:54:54
13 members. And this is a portion of the overall 11:54:56
14 annual budget or commitment amount that we just 11:55:00
15 approved earlier today. So co-investments will 11:55:06
16 be less than 10 percent of our annual activities, 11:55:09
17 and that has been the same for every year. 11:55:13

18 Page 3 is both a review of the investing 11:55:16
19 buyout co-investment policy and guidelines, on 11:55:21
20 the left-hand side, and the new proposed growth 11:55:24
21 equity guidelines. You can see, they are very 11:55:27
22 similar in certain respects. But per the 11:55:32
23 definition that we just talked about on the first 11:55:35
24 page, there are some nuances. 11:55:36

1 So for growth equity co-investments, we 11:55:39
2 are going to look in the same geographies. We 11:55:43
3 are going to pursue the same approach, in terms 11:55:46
4 of only investing with managers that we have 11:55:48
5 existing fund relationships with. We are only 11:55:51
6 going to invest on the same terms and conditions 11:55:55
7 and at no fees and no carry. 11:55:58

8 But growth equity is different in the 11:56:01
9 sense that there tends not to be leverage. So we 11:56:04
10 are not going to look at opportunities that 11:56:07
11 include financial leverage. And control is not a 11:56:09
12 requirement here. So there are some nuances on 11:56:12
13 this page. 11:56:15

14 And then lastly, on page 4, the 11:56:15
15 recommendation, the voting items, include both 11:56:20
16 the expansion that we talked about and then the 11:56:23
17 three firms, TCV, KPS, and Kainos. 11:56:25

18 Happy to take any questions on this. 11:56:30

19 TREASURER GOLDBERG: Any questions at 11:56:33
20 all? Seeing none, we have a motion, we have a 11:56:36
21 second. 11:56:40

22 Theresa? 11:56:40

23 MS. MCGOLDRICK: Yes. 11:56:40

24 TREASURER GOLDBERG: Bob? 11:15:07

1 MR. BROUSSEAU: Yes. 11:15:07

2 TREASURER GOLDBERG: Paul? 11:15:07

3 MR. SHANLEY: Yes. 11:15:08

4 TREASURER GOLDBERG: Dennis? 11:15:08

5 MR. NAUGHTON: Yes. 11:15:09

6 TREASURER GOLDBERG: Jim? 11:15:09

7 MR. HEARTY: Yes. 11:15:10

8 TREASURER GOLDBERG: Myself, yes. Thank
9 you. 11:15:10

10 (VOTED: To approve changes to PRIM 11:15:10

11 co-investment guidelines and bench.) 11:57:07

12 MR. TROTSKY: Thank you. 11:57:07

13 TREASURER GOLDBERG: Thank you, all. 11:57:08

14 Mr. Nuts Timberland Grapes, go for it. 11:57:42

15 MR. SCHLITZER: Real estate. 11:57:47

16 TREASURER GOLDBERG: Oh, yes. 11:57:48

17 MR. SCHLITZER: Good morning. 11:57:52

18 TREASURER GOLDBERG: Performance summary,
19 please. 11:57:55

20 MR. SCHLITZER: Yes, performance summary. 11:57:56

21 So page 19 of the package, is where information 11:57:57

22 can be found. Also, appendices N through P, 11:58:02

23 performances, and N, which I can go through a few 11:58:06

24 comments here. 11:58:08

1 Starting with real estate, on the 11:58:09
2 performance side, total real estate 11:58:11
3 returned 9 percent for the year. That is 11:58:14
4 outperformance of the blended benchmark of 11:58:16
5 119 basis points. Private real estate returned 11:58:19
6 8.1 percent, outperformance of 121 basis points. 11:58:22
7 Our overweights for the warehouse sector greatly 11:58:26
8 benefitted in 2016-2017. And as we discussed, 11:58:32
9 this is really just kind of due to trends in 11:58:35
10 overall growth in the U.S. and, in particular, 11:58:38
11 eCommerce trends. 11:58:41

12 I will note that portfolio debt added 119 11:58:43
13 basis points to core real estate performance. So 11:58:49
14 we continue to benefit from our capital structure 11:58:51
15 and use of portfolio level debt. 11:58:54

16 The global listed real estate stock 11:58:56
17 portfolio returned 11.8 percent for the year. 11:58:59
18 That is 60 basis points over the benchmark. U.S. 11:59:02
19 rates were actually kind of the laggard this 11:59:05
20 year, which were the European and Asian stocks 11:59:09
21 that drove the portfolios. So I think, an 11:59:10
22 example of our diversification in that global 11:59:13
23 portfolio benefitting real estate. 11:59:16

24 In terms of private real estate 11:59:18

1 transactions for the year, we completed five 11:59:20
2 acquisitions in 2017. Three of those were in the 11:59:23
3 warehouse development program that we have. And 11:59:26
4 they were done -- those deals were done in 11:59:31
5 Chicago and LA. So these are major population and 11:59:33
6 logistical epicenters of the U.S. 11:59:39

7 There were 12 dispositions completed, for 11:59:41
8 \$518 million. I would really characterize most 11:59:42
9 of these as PRIM and its managers taking 11:59:45
10 advantage of a strong capital market environment, 11:59:50
11 to sell assets that were probably marginal 11:59:53
12 performers, that we might not to want to hold 11:59:57
13 through another cycle. 12:00:00

14 Going forward, no major changes to our 12:00:00
15 plan. I know there were a number of things 12:00:03
16 listed. We will certainly be busy. But in terms 12:00:05
17 of the way we allocate capital, we are going to 12:00:09
18 continue to be cautious. I think that there is a 12:00:10
19 strong case to be made that real estate is fairly 12:00:12
20 valued versus equities and fixed income. That 12:00:16
21 being said, as I have pointed out, yields, cap 12:00:19
22 rates on real estate continue to be at all-time 12:00:22
23 lows. The premium to risk-free rate, which is 12:00:25
24 what we consider to be the 10-year treasury, are 12:00:29

1 fairly tight. Margins are decreasing as taxes 12:00:31
2 and utilities catch up with the property level. 12:00:35
3 So we will continue to be careful and not 12:00:38
4 stretch, certainly, at this point. 12:00:42
5 Moving on to timber. 12:00:43
6 I am happy to answer any questions on 12:00:47
7 real estate, of course. 12:00:49
8 Timber returned 8.3 percent for the year. 12:00:51
9 That is 504 basis points above the NAPRI 12:00:53
10 benchmark, which is lagged, but that did not 12:00:58
11 change meaningfully when we unlagged that 12:01:00
12 benchmark. And that included Q4. 12:01:03
13 Both of PRIM's managers did outperform 12:01:07
14 for the year. Much of the outperformance was due 12:01:09
15 to Campbell Global. And I will remind you that 12:01:11
16 Campbell's portfolio is concentrated in Oregon 12:01:15
17 and Washington primarily, where we have seen 12:01:18
18 significant year-over-year timber increases, much 12:01:20
19 of that driven by Asian demand. 12:01:24
20 Campbell also oversees PRIM's investment 12:01:27
21 in the 141 plantations, which is our Australian 12:01:30
22 investment, which continues to be very successful 12:01:34
23 and is in the process of expanding its footprint 12:01:36
24 in Australia and Asia, and I might touch on that 12:01:40

1 again, in a second. 12:01:46

2 So that is a brief performance overview. 12:01:47

3 Again, happy to answer any questions. 12:01:49

4 TREASURER GOLDBERG: Any questions on 12:01:51

5 performance? 12:01:53

6 (No voices heard.) 12:01:54

7 TREASURER GOLDBERG: Okay. With that, we 12:01:54

8 will turn to the timberland investment policy 12:01:57

9 recommendation, which is a voting item. In 12:02:02

10 keeping with private equity, I will seek a motion 12:02:05

11 that the PRIM Board approve the Real Estate and 12:02:09

12 Timberland Committee's recommendation to approve 12:02:09

13 the changes to PRIM's timberland investment 12:02:14

14 policy as described in appendices O and P of the 12:02:16

15 agenda, and further to authorize the Executive 12:02:18

16 Director to take all actions necessary to 12:02:21

17 effectuate this vote. 12:02:23

18 Is there a motion? 12:02:24

19 MR. BROUSSEAU: So moved. 12:02:25

20 TREASURER GOLDBERG: Second? 12:02:27

21 MR. NAUGHTON: Second. 12:02:29

22 TREASURER GOLDBERG: Please, share with 12:02:29

23 us. 12:02:29

24 MR. SCHLITZER: So again, these are 12:02:29

1 timberland investment policy changes that we are 12:02:32
2 talking about here. There are policy changes in 12:02:33
3 appendices O and P. One of them is a red line; 12:02:37
4 one of them is a what I will call a clean 12:02:40
5 version. 12:02:43

6 As always with these things, there is a 12:02:45
7 lot of red ink when you look at the changes. I 12:02:47
8 would say that the changes are not that material, 12:02:49
9 but there are a couple of things that I want to 12:02:52
10 point out. 12:02:54

11 Number 1 -- and I will preface this in 12:02:54
12 saying that it is very hard, as you would 12:02:58
13 imagine, in timberland, which is highly illiquid, 12:03:01
14 to keep up with policy and to create, I guess, 12:03:05
15 guardrails that are too tight. So we try to be 12:03:09
16 flexible. But obviously, it is important that 12:03:12
17 everybody have good policy. 12:03:14

18 So first off, we are expanding the 12:03:16
19 international range for timberland from zero to 12:03:19
20 10 percent to zero to 30 percent. I would say 12:03:23
21 that, in many ways, this is to capture the 12:03:26
22 activity that we already have in the portfolio, 12:03:30
23 the Australian investment, which is adding some 12:03:33
24 New Zealand assets this year, to its platform. 12:03:37

1 And there is a chart in the committee 12:03:43
2 package that also indicates that, as a percentage 12:03:47
3 of the global timberland investment universe, the 12:03:50
4 U.S. is only about 48 percent. So when you think 12:03:55
5 about the market opportunity, zero to 30 makes a 12:03:58
6 lot more sense. So that is the rationale. 12:04:01

7 And then secondly, we have added a couple 12:04:03
8 of new monitoring categories, which are end use 12:04:06
9 and end market. And really the theme there is 12:04:11
10 that we just want to be better at capturing the 12:04:13
11 demand side of the equation, from a 12:04:15
12 diversification perspective. And we hired a new 12:04:17
13 timberland consultant recently, who has some 12:04:22
14 tools that will allow us to do that through 12:04:25
15 capturing, effectively, appraisal data on 12:04:27
16 properties that we already own. 12:04:31

17 So I will stop there, but that is our 12:04:32
18 recommendation. 12:04:36

19 TREASURER GOLDBERG: I don't know if you 12:04:39
20 heard what I said at this end of the table. 12:04:40

21 MR. SCHLITZER: Sorry, I didn't. 12:04:42

22 TREASURER GOLDBERG: With New Zealand, 12:04:43
23 because I know that the hobbits build a lot of 12:04:44
24 houses with timber . 12:04:46

1 MR. BROUSSEAU: What kind of wood do they 12:04:49
2 use? 12:04:51
3 MR. SCHLITZER: Radiata pine, Bob. 12:04:53
4 TREASURER GOLDBERG: Anyway, are there 12:04:56
5 any questions on this? 12:04:58
6 (No voices heard.) 12:04:58
7 TREASURER GOLDBERG: Seeing none, we have 12:05:00
8 a motion. We have a second. 12:05:00
9 Theresa? 12:05:00
10 MS. MCGOLDRICK: Yes. 11:56:40
11 TREASURER GOLDBERG: Bob? 11:15:07
12 MR. BROUSSEAU: Yes. 11:15:07
13 TREASURER GOLDBERG: Paul? 11:15:07
14 MR. SHANLEY: Yes. 11:15:08
15 TREASURER GOLDBERG: Dennis? 11:15:08
16 MR. NAUGHTON: Yes. 11:15:09
17 TREASURER GOLDBERG: Jim? 11:15:09
18 MR. HEARTY: Yes. 11:15:10
19 TREASURER GOLDBERG: Myself, yes. Thank 11:15:10
20 you. 11:15:10
21 (VOTED: To approve the timberland 11:15:10
22 investment policy recommendation.) 12:05:04
23 TREASURER GOLDBERG: Okay. Great. Now, 12:05:04
24 this is a voting item. And I would seek a motion 12:05:26

1 that the PRIM Board approve the Real Estate and 12:05:29
2 Timberland Committee's recommendation to extend 12:05:29
3 the qualification period of PRIM's existing 12:05:32
4 timberland appraisers through December 31, 2018 12:05:35
5 and to approve the issuance of an RFQ for 12:05:38
6 timberland appraisers in 2018, and further to 12:05:42
7 authorize the Executive Director to take all 12:05:44
8 actions necessary to effectuate this vote. 12:05:47
9 Is there a motion? 12:05:50
10 MR. BROUSSEAU: So moved. 12:05:51
11 TREASURER GOLDBERG: Second? 12:05:52
12 MR. SHANLEY: Second. 12:05:54
13 TREASURER GOLDBERG: Okay. 12:05:55
14 MR. SCHLITZER: So this is somewhat 12:05:57
15 administrative, but I don't want to minimize it, 12:05:59
16 certainly. 12:06:01
17 TREASURER GOLDBERG: Right. 12:06:02
18 MR. SCHLITZER: We build a timberland 12:06:02
19 appraiser list every three years, through our 12:06:04
20 request for qualifications process. The status 12:06:08
21 of that list technically ended on December 31st 12:06:12
22 of 2017, so that we were three years in. We have 12:06:16
23 three properties that need to be appraised as of 12:06:20
24 June 30th this year. So the list again would 12:06:24

1 technically be out of date to do that. So we 12:06:27
2 would like to extend the status of these approved 12:06:30
3 appraisers for 12 more months. During 2018, we 12:06:33
4 will run our RFQ, but this will give us the 12:06:39
5 flexibility to appraise these three properties by 12:06:44
6 June 30th. 12:06:47

7 So that is the ask. I am happy to answer 12:06:49
8 any questions. 12:06:51

9 TREASURER GOLDBERG: Any questions on 12:06:51
10 that? We have motion. We have a second. 12:06:52
11 Theresa? 12:06:52

12 MS. MCGOLDRICK: Yes. 11:56:40

13 TREASURER GOLDBERG: Bob? 11:15:07

14 MR. BROUSSEAU: Yes. 11:15:07

15 TREASURER GOLDBERG: Paul? 11:15:07

16 MR. SHANLEY: Yes. 11:15:08

17 TREASURER GOLDBERG: Dennis? 11:15:08

18 MR. NAUGHTON: Yes. 11:15:09

19 TREASURER GOLDBERG: Jim? 11:15:09

20 MR. HEARTY: Yes. 11:15:10

21 TREASURER GOLDBERG: Myself, yes. 11:15:10

22 (VOTED: To approve the timberland 11:15:10
23 appraiser engagements and issuance of request for 11:15:10
24 qualifications.) 11:15:10

1	MR. SCHLITZER: Thank you.	11:15:11
2	MR. BROUSSEAU: Tim, what was the status	12:07:08
3	on Chile?	12:07:08
4	MR. SCHLITZER: I should have mentioned	12:07:11
5	that. I wanted to be clear. As we develop our	12:07:12
6	timberland portfolio globally, I would say that	12:07:16
7	South America, generally, is still outside of the	12:07:20
8	box. But iteratively speaking, we want to	12:07:22
9	continue to research these countries, at least.	12:07:26
10	Chile is a logical starting point in South	12:07:29
11	America, very deep timber markets, good growing	12:07:34
12	region, lots of mill capacity, strong property	12:07:38
13	rights, institutional ownership. So we are going	12:07:40
14	to do more research there.	12:07:43
15	MR. BROUSSEAU: Hardwood?	12:07:45
16	MR. SCHLITZER: It is a combination of.	12:07:46
17	MR. SHANLEY: Thank you, Tim.	12:07:51
18	TREASURER GOLDBERG: Thank you very much.	12:07:54
19	Save the best for last.	12:07:56
20	MR. TROTSKY: Anthony Falzone.	12:08:13
21	TREASURER GOLDBERG: So ready. Seeking a	12:08:15
22	motion that the PRIM Board approve the	12:08:23
23	Administration and Audit Committee's	12:08:23
24	recommendation to adopt the enhancements to	12:08:28

1 PRIM's Custom Proxy Voting Guidelines, as 12:08:28
2 described in Appendices Q and R of the agenda, 12:08:32
3 and further to authorize the Executive Director 12:08:35
4 to take all actions necessary to effectuate this 12:08:37
5 vote. 12:08:40

6 Is there a motion? 12:08:41

7 MR. BROUSSEAU: So moved. 12:08:42

8 TREASURER GOLDBERG: Second? 12:08:43

9 MR. NAUGHTON: Second. 12:08:45

10 TREASURER GOLDBERG: Okay. 12:08:45

11 MR. FALZONE: Thank you, Treasurer. 12:08:49

12 Hello, everyone. I will be quick. I know it is 12:08:50
13 late. 12:08:52

14 There are two proxy voting-related 12:08:52
15 appendices in your packet. They are Appendix Q 12:08:52
16 and Appendix R. I plan on speaking to 12:08:57
17 Appendix R, which is PRIM's custom proxy voting 12:09:02
18 policy matrix, which includes a recommended 12:09:04
19 enhancement to PRIM's custom proxy voting 12:09:06
20 guidelines. 12:09:09

21 At the Administration and Audit 12:09:10
22 Committee, representatives from ISS highlighted 12:09:13
23 each of the proposed changes. The first five 12:09:15
24 updates impact ISS's benchmark proxy voting 12:09:18

1 policy and the sixth and final update requires an 12:09:18
2 enhancement be made to PRIM's custom policy. 12:09:26

3 In the interest of time, I think it makes 12:09:30
4 sense to review the one key update that the 12:09:30
5 committee discussed and unanimously recommended 12:09:32
6 that the Board adopt today, if that is all right 12:09:35
7 with everyone. 12:09:37

8 TREASURER GOLDBERG: Go ahead. 12:09:38

9 MR. FALZONE: I am on page 10 of 12:09:39
10 Appendix R. The topic is: Prohibit 12:09:41
11 discrimination on the basis of sexual orientation 12:09:41
12 or gender identity. 12:09:48

13 So PRIM's current custom policy states 12:09:49
14 that we would vote against shareholder proposals 12:09:52
15 that seek the eliminate protection already 12:09:55
16 afforded to gay and lesbian employees. 12:09:58

17 Our enhancement policy will now state: 12:10:01
18 Vote against shareholder proposals that seek to 12:10:03
19 eliminate protection already afforded to lesbian, 12:10:07
20 gay, bisexual, transgender, and queer/questioning 12:10:10
21 employees, or LGBTQ employees. 12:10:14

22 And I am happy to try to answer any 12:10:19
23 questions, but that is the one change that 12:10:20
24 impacts PRIM's custom proxy voting guidelines. 12:10:22

1 TREASURER GOLDBERG: I think we had a 12:10:26
2 full discussion of that at the administration and 12:10:27
3 audit. 12:10:29
4 So any other questions for Tony on this? 12:10:31
5 (No voices heard.) 12:10:31
6 TREASURER GOLDBERG: So we have a motion. 12:10:35
7 We have a second. 12:10:36
8 All of those in favor? Theresa? 12:10:37
9 MS. MCGOLDRICK: Yes. 11:56:40
10 TREASURER GOLDBERG: Bob? 11:15:07
11 MR. BROUSSEAU: Yes. 11:15:07
12 TREASURER GOLDBERG: Paul? 11:15:07
13 MR. SHANLEY: Yes. 11:15:08
14 TREASURER GOLDBERG: Dennis? 11:15:08
15 MR. NAUGHTON: Yes. 11:15:09
16 TREASURER GOLDBERG: Jim? 11:15:09
17 MR. HEARTY: Yes. 11:15:10
18 TREASURER GOLDBERG: Myself, yes. 11:15:10
19 (VOTED: To approve the adoption of 2018 11:15:10
20 proxy voting guidelines.) 11:15:10
21 MR. FALZONE: The next two items are 11:15:10
22 process updates. I will try to run through them 12:10:52
23 fairly quickly. 12:10:52
24 The first is the board self evaluation 12:10:54

1 process update. Per the PRIM Board Governance
2 Manual, the Administration and Audit Committee is
3 responsible for implementing the Board's
4 self-evaluation process. The Administration and
5 Audit Committee asked Cortex Applied Research to
6 assist, as they have in the past, and ask each 12:11:10
7 board member to review their 2017 self-evaluation 12:11:11
8 questionnaire and update, as appropriate, for 12:11:14
9 2018. Cortex emailed each board member last week 12:11:17
10 and asked that it be completed by March 2nd. 12:11:21
11 So if you did not receive an email from 12:11:22
12 Cortex regarding your board self-evaluation, 12:11:25
13 please let us know, and we will make sure that 12:11:27
14 they reach back out to you. 12:11:29
15 Cortex will also invite each board member 12:11:31
16 to expand on their survey response during 12:11:34
17 one-on-one telephone discussion with a Cortex 12:11:38
18 representative. Cortex will tabulate the 12:11:40
19 responses and present an anonymous summary of the 12:11:43
20 Board's self-evaluation results to the 12:11:46
21 Administration and Audit Committee chair, who 12:11:51
22 will then present the self-evaluation results at 12:11:52
23 the April 30th Administration and Audit Committee 12:11:54
24 meeting. The Administration and Audit Committee 12:11:56

1 chair will then present the results to the Board 12:11:58
2 at its May 15th meeting. 12:12:00

3 And that takes care of the Board 12:12:02
4 self-evaluation item on the agenda. If there are 12:12:05
5 any questions? Pretty straightforward. 12:12:09

6 TREASURER GOLDBERG: I do have one 12:12:10
7 comment to make. We only have -- we don't have 12:12:12
8 everyone here at the table. So I will be happy 12:12:16
9 to reach out to those who may not have 12:12:19
10 incorporated this thinking into their immediate 12:12:23
11 future plans, to make sure that they give this 12:12:27
12 their full attention. 12:12:32

13 MR. BROUSSEAU: March 2nd is the 12:12:34
14 deadline, so they have a couple of weeks. 12:12:36

15 MR. SHANLEY: I have done mine. 12:12:39

16 TREASURER GOLDBERG: You get the blue 12:12:40
17 ribbon today. 12:12:42

18 MR. SHANLEY: Yes. 12:12:43

19 MR. BROUSSEAU: Paul is always first. 12:12:44

20 TREASURER GOLDBERG: Would someone remind 12:12:47
21 me if I need to reach out to everyone who is not 12:12:49
22 here? 12:12:51

23 MR. BROUSSEAU: I think, possibly, that, 12:12:52
24 I think that Tom, from Cortex, will also -- 12:12:54

1 TREASURER GOLDBERG: I believe that that 12:12:57
2 outreach has already taken place. 12:12:58

3 MR. FALZONE: Last week. 12:13:01

4 MR. TROTSKY: We can send reminders. Why 12:13:02
5 don't we do that? Why don't we send a reminder 12:13:05
6 next week? 12:13:08

7 TREASURER GOLDBERG: You can put that it 12:13:08
8 is from me, also, if you would like. There will 12:13:09
9 be visits to the guillotine. 12:13:12

10 Okay. Tony? 12:13:13

11 MR. FALZONE: Thank you. Next up is the 12:13:15
12 Board Governance Manual (Charters and Policies) 12:13:17
13 Review Update. So this is just a process update 12:13:20
14 that at the February 1, 2018 meeting of the 12:13:23
15 administration and audit committee, Cortex 12:13:26
16 presented an update on the status of the Board 12:13:27
17 Governance Manual review process. 12:13:29

18 Based on feedback received from that 12:13:32
19 committee, it was decided that Cortex would first 12:13:34
20 complete the 2018 board self-evaluation process 12:13:36
21 that we just introduced and then invite board 12:13:41
22 members to provide comment on the PRIM Board 12:13:43
23 Governance Manual, both in writing and in a 12:13:46
24 telephone interview. 12:13:49

1 Cortex will then present this same 12:13:50
2 opportunity to PRIM committee members, to comment 12:13:53
3 on the Board Governance Manual and then 12:13:54
4 ultimately present its findings and 12:13:57
5 recommendations at a subsequent meeting of the 12:13:58
6 Administration and Audit Committee. 12:14:02

7 TREASURER GOLDBERG: Okay. Thank you. 12:14:04

8 MR. BROUSSEAU: This will take place, 12:14:05
9 Tony, after the self evaluation? 12:14:07

10 TREASURER GOLDBERG: Correct, and we will 12:14:09
11 make that very clear to people, so that they 12:14:11
12 understand that these are separate tasks. 12:14:14

13 MR. BROUSSEAU: Two series of calls with 12:14:18
14 Cortex to give your input. 12:14:20

15 TREASURER GOLDBERG: Yes. We will make 12:14:24
16 it really clear, so that there is no question 12:14:24
17 moving forward. 12:14:27

18 MR. BROUSSEAU: And committee members, 12:14:30
19 Tony, will be notified by email from Tom? 12:14:31

20 MR. FALZONE: Yes. We will have Cortex 12:14:35
21 give them an opportunity to provide input. 12:14:36

22 MR. BROUSSEAU: Is he going to survey the 12:14:39
23 Board members first, and then committee members? 12:14:41

24 MR. FALZONE: Yes, my understanding, yes. 12:14:43

1 MR. BROUSSEAU: And that will probably 12:14:46
2 take place after -- probably beginning in April? 12:14:46

3 MR. FALZONE: I think it might be March, 12:14:50
4 because March 2nd, being the deadline for the 12:14:51
5 Board self evaluation. So I am not sure what 12:14:55
6 admin and audit meeting will be bringing its 12:14:57
7 findings to, but I know that it will take place 12:15:01
8 after. 12:15:03

9 MR. BROUSSEAU: From my perspective, it 12:15:04
10 is to get your self evaluation done, but the 12:15:06
11 phone calls dealing with that would be after 12:15:08
12 that, after March 2nd, in March. 12:15:10

13 MR. FALZONE: So we will see where we are 12:15:11
14 in the process, but my hope is to speed it up a 12:15:13
15 little bit. 12:15:16

16 MR. BROUSSEAU: We have to update the 12:15:17
17 charters, which we haven't done since 2004, and 12:15:19
18 this is about every three to four years. 12:15:22

19 TREASURER GOLDBERG: It's been five. 12:15:24

20 MR. BROUSSEAU: It has been five, yes. 12:15:26

21 TREASURER GOLDBERG: So we need get it 12:15:27
22 right. 12:15:29

23 MR. FALZONE: We have been talking about 12:15:29
24 it, I think, for the last 18 months. I think it 12:15:30

1 is about 18 months, and I think we are going to 12:15:33
2 start moving it along. 12:15:36

3 TREASURER GOLDBERG: Okay. Anything 12:15:40
4 else? 12:15:41

5 (No voices heard.) 12:15:41

6 MR. FALZONE: No, not there. I don't 12:15:41
7 know if we have a legislative update. 12:15:45

8 MR. SUPPLE: Just one item. Good 12:15:50
9 afternoon, Madam Chairwoman, members of the 12:15:50
10 Board. 12:15:50

11 On Monday, there was a legislative 12:15:53
12 proposal released by the Senate committee on 12:15:55
13 global warming and climate change. 12:15:57

14 TREASURER GOLDBERG: I actually let 12:16:00
15 everybody know about it at our last meeting. 12:16:00

16 MR. SUPPLE: At the Admin and Audit 12:16:04
17 Committee? 12:16:03

18 MR. BROUSSEAU: At the Admin and Audit 12:16:03
19 Committee. 12:16:03

20 TREASURER GOLDBERG: Yes. 12:16:03

21 MR. SUPPLE: It was discussed at the 12:16:07
22 Admin and Audit Committee meeting that that was 12:16:07
23 expected to happen and it did happen this past 12:16:10
24 Monday. It is a very large piece of legislation. 12:16:12

1 It is called the Clean Energy Omnibus Bill. But 12:16:13
2 its sections 118 through 123 are provisions that 12:16:17
3 we are familiar with here at PRIM and this Board 12:16:20
4 and admin and audit committee has looked at in 12:16:23
5 the past several years, related to U.S. fossil 12:16:26
6 fuel divestment. 12:16:30

7 These provisions are similar to a piece 12:16:31
8 of legislation that was originally filed by 12:16:33
9 Senator Downing some years ago, and we have 12:16:35
10 followed it as it has gone through the 12:16:38
11 legislative process in past years. 12:16:41

12 So the substance of it is not terribly 12:16:43
13 new to this Board, but it is now an additional 12:16:47
14 legislative vehicle that contains these 12:16:50
15 provisions. 12:16:53

16 MR. BROUSSEAU: I have a copy of it. It 12:16:55
17 was emailed to me. I don't know if the other 12:16:57
18 board members got the email. But it is a really 12:16:59
19 large bill, and you have got to go down to 12:17:02
20 page 163, if I am not mistaken. I was going to 12:17:05
21 read all of the findings. And I think, Tony, you 12:17:10
22 told us it was page 163, those provisions in 12:17:13
23 there. 12:17:16

24 TREASURER GOLDBERG: And they are very 12:17:17

1 prescriptive, by the way. 12:17:18

2 MR. FALZONE: It was discussed at the 12:17:20

3 Administration and Audit Committee extensively 12:17:22

4 that we would send out information as soon as we 12:17:25

5 received it. So I did send it to the 12:17:26

6 Administration and Audit Committee, with the 12:17:27

7 information that Chris is discussing now. 12:17:28

8 MR. SUPPLE: That is all I have. 12:17:38

9 TREASURER GOLDBERG: I would seek a 12:17:39

10 motion to adjourn. 12:17:42

11 MR. SHANLEY: So moved. 12:17:45

12 MR. BROUSSEAU: Second. 12:17:47

13 TREASURER GOLDBERG: Theresa? 12:17:49

14 MS. MCGOLDRICK: Yes. 11:56:40

15 TREASURER GOLDBERG: Bob? 11:15:07

16 MR. BROUSSEAU: Yes. 11:15:07

17 TREASURER GOLDBERG: Paul? 11:15:07

18 MR. SHANLEY: Yes. 11:15:08

19 TREASURER GOLDBERG: Dennis? 11:15:08

20 MR. NAUGHTON: Yes. 11:15:09

21 TREASURER GOLDBERG: Jim? 11:15:09

22 MR. HEARTY: Yes. 11:15:10

23 TREASURER GOLDBERG: Myself, yes. 11:15:10

24 Good job, everybody. Thank you. 12:17:58

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(VOTED: To approve the adjournment of
the February 15, 2018 board meeting at
12:17 p.m.)

12:17:58
12:17:58
12:17:58