VIDEOCONFERENCE MEETING STATE OF CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM BOARD OF ADMINISTRATION FINANCE & ADMINISTRATION COMMITTEE

ROBERT F. CARLSON AUDITORIUM LINCOLN PLAZA NORTH 400 P STREET SACRAMENTO, CALIFORNIA

TUESDAY, APRIL 21, 2020 2:00 P.M.

JAMES F. PETERS, CSR CERTIFIED SHORTHAND REPORTER LICENSE NUMBER 10063

A P P E A R A N C E S COMMITTEE MEMBERS: Ms. Theresa Taylor, Chairperson Mr. David Miller, Vice Chairperson Mr. Henry Jones Ms. Fiona Ma, represented by Mr. Frank Ruffino Ms. Stacie Olivares Mr. Jason Perez Mr. Ramon Rubalcava BOARD MEMBERS: Ms. Margaret Brown Mr. Rob Feckner Ms. Lisa Middleton Ms. Eraina Ortega, also represented by Michelle Mitchell Ms. Shawnda Westly Ms. Betty Yee, represented by Lynn Paquin STAFF: Ms. Marcie Frost, Chief Executive Officer Mr. Michael Cohen, Chief Financial Officer Mr. Matthew Jacobs, General Counsel Mr. Scott Terando, Chief Actuary Mr. Dan Bienvenue, Interim, Chief Operating Investment Officer

## A P P E A R A N C E S C O N T I N U E D

STAFF:

Ms. Jennifer Harris, Chief, Financial Planning, Policy and Budgeting Division

Ms. Pam Hopper, Committee Secretary

Ms. Nina Ramsey, Associate Pension Actuary

Mr. Kurt Schneider, Supervising Pension Actuary

Mr. Dallas Stone, Acting Chief, Operations Support Services Division

I N D E X PAGE 1. Call to Order and Roll Call 1 2. Election of Vice Chair 3. Approval of the April 21, 2020 Finance and Administration Committee Timed Agenda 2 3 4. Executive Report - Michael Cohen 5. Action Consent Items - Michael Cohen 4 Approval of the February 19, 2020 Finance a. and Administration Committee Meeting Minutes b. Semi-Annual Contracting Prospective Report Valuation Report for the 1959 Survivor с. Benefit Program Treasury Management Policy d. Treasury Management Reserve Policy е. Information Consent Items - Michael Cohen 5 6. Annual Calendar Review а. b. Draft Agenda for the September 15, 2020 Finance and Administration Committee Meeting Semi-Annual Financial Report (PERF) с. Semi-Annual Health Plan Financial Report d. 7. Action Agenda Items 2020-21 Annual Budget Proposal - Michael a. Cohen, Jennifer Harris Annual Review of Board Member Employer 5 b. Reimbursements - Michael Cohen, Michele Nix 25 State Valuation and Employer/Employee с. Contribution Rates - Scott Terando, Nina Ramsey 27 d. Schools Valuation and Employer/Employee Contribution Rates - Scott Terando, Kurt 39 Schneider Proposed Board of Administration Election е. 47 Regulatory Changes- Dallas Stone 8. Information Agenda Items Summary of Committee Direction - Michael a. Cohen 59 Public Comment 59 b.

	INDEX CONTINUED	PAGE
Adjournment		59
Reporter's Cer	tificate	60

P R O C E E D I N G S 1 CHAIRPERSON TAYLOR: So I'm going to call the 2 Finance and Administration Committee to order. It is 2:00 3 o'clock. And our first order of business is to call the 4 5 roll. Ms. Hopper. 6 COMMITTEE SECRETARY HOPPER: Madam Chair, Henry 7 8 Jones? 9 COMMITTEE MEMBER JONES: Here. COMMITTEE SECRETARY HOPPER: Frank Ruffino for 10 Fiona Ma? 11 CHAIRPERSON TAYLOR: Unmute, Frank. 12 ACTING COMMITTEE MEMBER RUFFINO: Present. 13 COMMITTEE SECRETARY HOPPER: David Miller? 14 VICE CHAIRPERSON MILLER: Here. 15 16 COMMITTEE SECRETARY HOPPER: Stacie Olivares? CHAIRPERSON TAYLOR: Stacie? 17 She's here. Can she hear us? 18 CHIEF EXECUTIVE OFFICER FROST: Stacie, wave if 19 20 you can hear us. Okay. 21 (Laughter.) 2.2 23 COMMITTEE SECRETARY HOPPER: Okay. Thank you. Jason Perez? 24 COMMITTEE MEMBER PEREZ: Here. 25

J&K COURT REPORTING, LLC 916.476.3171

COMMITTEE SECRETARY HOPPER: Ramon Rubalcava? 1 COMMITTEE MEMBER RUBALCAVA: 2 Here. COMMITTEE SECRETARY HOPPER: Al here, Madam 3 Chair. 4 CHAIRPERSON TAYLOR: All right. Thank you. 5 Thank you. So let's move on to the approval of the April 6 21st, 2020 Finance and Administration Committee timed 7 8 agenda. 9 COMMITTEE MEMBER JONES: Move it. CHAIRPERSON TAYLOR: Moved by Mr. Jones. 10 Seconded by Mr. Perez by no voice, but I can see 11 him. Do you want to say second? 12 COMMITTEE MEMBER PEREZ: Second. 13 CHAIRPERSON TAYLOR: Thank you. 14 You're on -- you're on record now. 15 Thank you. 16 So it has been moved and seconded. All those in favor and I need a vote Ms. Hopper. 17 COMMITTEE SECRETARY HOPPER: Henry Jones? 18 COMMITTEE MEMBER JONES: Yes. 19 20 COMMITTEE SECRETARY HOPPER: Frank Ruffino for Fiona Ma? 21 ACTING COMMITTEE MEMBER RUFFINO: Yes. 2.2 23 COMMITTEE SECRETARY HOPPER: David Miller? VICE CHAIRPERSON MILLER: Yes. 24 COMMITTEE SECRETARY HOPPER: Stacie Olivares? 25

J&K COURT REPORTING, LLC 916.476.3171

COMMITTEE MEMBER OLIVARES: Yes. Sorry. There's
 a delay.

COMMITTEE SECRETARY HOPPER: Thank you.

Jason Perez?

COMMITTEE MEMBER PEREZ: Yes.

COMMITTEE SECRETARY HOPPER: Ramon Rubalcava? COMMITTEE MEMBER RUBALCAVA: Yes.

8 CHAIRPERSON TAYLOR: All right. The approval of 9 the timed agenda has passed. Our next item is Item 4, the 10 Executive Report.

3

4

5

6

7

11

Mr. Cohen.

CHIEF FINANCIAL OFFICER COHEN: Thank you, Chair. 12 Good afternoon. I just wanted to highlight two things. 13 First of all, about two weeks ago, we held an employer 14 15 webinar to help explain what's going on to all of our 16 local government and school employers. It was very well attended over 1,700 participants. We were able to answer 17 many of their questions. And so I viewed that as very 18 19 successful in terms of CalPERS getting information out there as quickly as possible. It was a good team effort 20 between us, the Investment Office, and the Actuarial 21 Office, and the public affairs team. So that went very 2.2 23 well. And it's now up on our website so that anyone from the public can view. 24

25

This second item to highlight is in this year's

budget, the Board authorized CalPERS to undertake an 1 electronic payment system for the first time, which has 2 turned out to be very timely given all of the efforts to 3 socially distance and reduce, you know, hand-to-hand 4 5 contact. And that went online about a month ago. And so far, we've had almost 400 transactions through that new 6 portal totaling \$275,000. And so we'll certainly do 7 8 everything we can to publicize that portal and encourage our members to continue to use it. But for the first 9 month, I would say that's very successful in terms of 10 people learning about it and using it to pay CalPERS any 11 amounts owed. 12 So with that, I'll turn it back to you for going 13 through the rest of the agenda. 14 You're still on mute, Chair. 15 16 CHAIRPERSON TAYLOR: Next up is action consent items, number 5. I've received nothing to pull anything, 17 so I need a motion. 18 COMMITTEE MEMBER JONES: Move it. 19 20 CHAIRPERSON TAYLOR: Moved by Mr. Jones. VICE CHAIRPERSON MILLER: Second, please. 21 CHAIRPERSON TAYLOR: Second by Mr. Miller 2.2 23 I've got action consent items moved and seconded. 24 Can we get a vote, Ms. Hopper. 25 COMMITTEE SECRETARY HOPPER: Henry Jones?

J&K COURT REPORTING, LLC 916.476.3171

CHAIRPERSON TAYLOR: You want to unmute, Henry. 1 COMMITTEE MEMBER JONES: Yes. 2 COMMITTEE SECRETARY HOPPER: Frank Ruffino for 3 Fiona Ma? 4 ACTING COMMITTEE MEMBER RUFFINO: Yes. 5 COMMITTEE SECRETARY HOPPER: David Miller? 6 7 VICE CHAIRPERSON MILLER: Aye. 8 COMMITTEE SECRETARY HOPPER: Stacie Olivares? COMMITTEE MEMBER OLIVARES: Yes. 9 CHAIRPERSON TAYLOR: There you go. 10 COMMITTEE SECRETARY HOPPER: Jason Perez? 11 COMMITTEE MEMBER PEREZ: Yes. 12 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava? 13 COMMITTEE MEMBER RUBALCAVA: Yes. 14 CHAIRPERSON TAYLOR: Okay. The motion -- that's 15 16 COMMITTEE MEMBER RUBALCAVA: Theresa, you're on 17 mute. CHAIRPERSON TAYLOR: It's not showing on a mute. 18 Is that better? Hello? 19 20 COMMITTEE SECRETARY HOPPER: We hear you, Madam Chair in the auditorium. 21 CHAIRPERSON TAYLOR: Okay. Because it was still 2.2 23 on. Okay. So receiving nothing to pull anything off of information consent items, I'm going to move on to 7. 24 25 7a is the 20/21 annual budget proposal.

J&K COURT REPORTING, LLC 916.476.3171

1 2

4

8

9

10

12

13

14

15

16

17

And again, Mr. Cohen.

CHIEF FINANCIAL OFFICER COHEN: Thanks, Chair. And while we pull Jennifer Harris into the conference to 3 provide the details of the budget, I did want to say that we did put this budget together before COVID came into 5 full effect. That being said, I think the budget document 6 7 shows that over the last several years, CalPERS has really sort of taken serious efforts to tighten its belt. The budget in front of you continues to flat over all personnel. A number that we've been at for the last 11 several years.

In addition, we've taken major steps to bring in a lot of the full-time staff that weren't in that official count. We talked a lot about permanent positions in the blankets the last several years. Those have now been eliminated. This budget makes serious efforts to reduce the seasonal clerks, as well as overtime being reduced.

So I think my key point would be that as COVID 18 19 emerges and sort of continues to -- changes the way we do 20 business, the CalPERS' executive team is completely committed to taking another look at all of our 21 expenditures. 2.2

23 We understand the pressures that our employers are under, as their revenue sources start drying up on 24 25 them and their pension costs continue to rise. And so

> J&K COURT REPORTING, LLC 916.476.3171

every dollar we can save is a dollar that we won't have to collect from our participating employers. So we're going to take an extra effort to tighten our belts even further and make sure that every expenditure we make is in furtherance of the mission and absolutely essential.

So with that, let me turn it over to Jennifer Harris, our budget director to run through the details on the budget proposal.

FINANCIAL PLANNING, POLICY & BUDGETING DIVISION CHIEF HARRIS: Good afternoon, Madam Chair and members of the Committee. Jennifer Harris, CalPERS team member.

Agenda Item 7a is an action item. And your approval today will set the authorized funding level for upcoming fiscal year 2020-21. Within this item is information on current year expenditures, which I'll briefly touch on first, beginning on page five of Attachment 1.

As of December 31st, 2019, CalPERS expended 827.7 18 million or 43.6 percent of the 2019-20 budget. 19 Based on 20 mid-year projections, CalPERS estimates that it will end the fiscal year with approximately 44.2 million in 21 unexpended funds. 31 million of this is in administrative 2.2 23 operating costs and is largely attributable to salary savings, resulting from a seven and a half percent vacancy 24 25 rate.

J&K COURT REPORTING, LLC 916.476.3171

4

5

6

7

8

9

10

11

1

2

3

CalPERS also projects 12.9 million in unexpended third-party administrator fees. This is a result of last fall's open enrollment period, during which time, members chose health plans with lower administrative fees.

Due to COVID-19, actual expenses for the last six months of the fiscal year are likely to differ from this mid-year projection. For example, at the end of the third quarter on March 31st, 2020, early numbers indicate that CalPERS could have an additional 8.6 million in unexpended funds within administrative operating costs. This includes another three million unexpended resulting from additional salary savings, as well as 5.6 million in unexpended OE&E funds, largely driven by canceled travel, training, and consumer events.

As we've discussed previously, budgeted funds remain in the PERF until actually expended. Therefore, these surpluses that we're projecting now remain available for investment.

Moving on to the proposed budget starting on page eight of attachment 1. The total 2020-21 budget is proposed at 1,694,000,000. This is a 204.6 million decrease, or 10.8 percent decrease, compared to the current year.

The major driver of this decrease is a reduction in estimated investment external management fees and

J&K COURT REPORTING, LLC 916.476.3171

1 2

3

4

5

6

7

8

9

10

11

12

13

14

third-party administrator fees, both of which are largely influenced by external factors, such as market fluctuations and member enrollment. In contrast, 3 operating costs and building costs are estimated to 4 increase 18.3 million, or 2.7 percent. 5

1

2

6

7

8

9

10

11

12

14

15

18

CalPERS' budget is comprised of six expenditure I'll highlight the year-over-year changes for categories. each category beginning with administrative operating costs on page ten of your attachment.

In 2020-21, CalPERS proposes 545.8 million for administrative operating costs. This is a 17 million, or 3.2 percent, increase compared to the current year. There is a 9.4 million net increase in personal services. This 13 is a reflection of a 15.7 million increase for collectively bargained salary and benefits that will be 16 effective on July 1st, as well as 6.1 million increase in incentives for executive positions and investment 17 classifications.

These increases are offset by a 12.4 million 19 20 reduction in expenses. This includes a significant reduction in temporary help, the redirection of high-cost 21 vacancies to lower salaried positions, and refined budget 2.2 23 estimates.

Within OE&E, there is a 7.6 million increase, 24 25 primarily to improve disaster recovery and information

> J&K COURT REPORTING, LLC 916.476.3171

security capabilities, to refresh CalPERS' network and server hardware, and to augment insurance coverage.

1

2

3

4

5

6

7

8

9

The annual budget includes information on authorized positions within the organization. As detailed on page 11, CalPERS has 2,875 authorized positions. While this figure has remained changed over the last few years, you can see that CalPERS has redirected positions between branches to meet workload needs or for reorganization purposes.

The budget also provides information on temporary 10 help. As displayed on page 12, CalPERS reduced funding 11 for temporary help 10.3 million over the last five years. 12 Page 13 reveals that these reductions are primarily driven 13 by a reduction in -- or the elimination of all permanent 14 blankets as well as a significant 84 percent reduction in 15 16 seasonal clerks. During this upcoming 2020-21 fiscal year, CalPERS commits to fully eliminating the use of 17 seasonal clerks for non-seasonal workload. 18

Finally, the administrative operating cost has some information on overtime. You can see over the past five years, CalPERS has consistently reduced overtime from 2.7 million in 2015-16 to 1.9 million estimated for 2.020-21.

The next expenditure category is investment operating costs beginning on page 14. These are expenses

J&K COURT REPORTING, LLC 916.476.3171

specifically incurred to support investment activities. In 2020-21, CalPERS proposes 124.9 million. This is a net 4.4 million increase, or 3.7 percent increase, compared to the current year. The net increase includes a 1.2 million increase for consultants, a 2.6 million decrease for operating costs, largely for appraisal services, and a 5.8 million for technology expenses primarily to continue the implementation of the Total Fund Data Strategy.

1

2

3

4

5

6

7

8

13

14

15

17

9 Following enterprise -- following investment operating costs are enterprise projects. However, CalPERS 10 does not propose any funds in the upcoming fiscal year for 11 enterprise projects. 12

Headquarters building costs, shown on page 17, are estimated at 25.8 million. This is a very slight \$6,000 increase compared to the current year. There is a 16 1.3 million increase in operating costs, offset by a 1.3 million decrease in non-operating costs.

The next expense category is investment external 18 management fees displayed on page 19. In 2020-21, CalPERS 19 estimates fees at 685.9 million. This is a 213.8 million 20 decrease, or 23.8 percent decrease, compared to 2019-20. 21 The drivers of the estimated decrease are mainly in global 2.2 23 equity and multi-asset class investments for both base and performance fees. These reductions are the result of 24 25 investment strategy reviews that drove a reduction or

> J&K COURT REPORTING, LLC 916.476.3171

termination for some external manager contracts and an increased reliance on internal investment staff.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

Additionally, there is a decrease in real asset performance fees, which is expected, given the timing and structuring of performance payments.

The graphic on page 20 details actual investment manager fees paid over the past five years and revealed a significant 42 percent decrease from 1.3 billion in 2014-15 to 760 million in 2018-19. The decrease is largely attributable to CalPERS' efforts to restructure base and performance fee contracts.

The graphic also illustrates that while total assets under management, or AUM, is increasing, external AUM is decreasing, meaning more assets are being managed internally by CalPERS staff. CalPERS will continue its efforts to reduce external AUM in the current and upcoming fiscal years.

Finally, the 2020-21 budget proposes 312.7 18 19 million for third-party administrator fees. These are 20 fees paid to external parties with whom CalPERS contracts to provide communication, record keeping, and 21 administration for the health, long-term care, and pension 2.2 23 prefunding programs. The 312.7 million proposed is nine million less than the current year, and was driven by 24 25 members choosing health plans with lower administrative

J&K COURT REPORTING, LLC 916.476.3171

fees.

1

2

3

4

5

6

19

20

This line item is one that CalPERS typically brings back for adjustment at mid-year in the fall. And we do that because we get more current enrollment data throughout the fiscal year and at the beginning of open enrollment.

Again, the total 2020-21 budget is 1,694,000,000. 8 As Michael Cohen explained, CalPERS developed this budget 9 prior to the COVID-19 pandemic. And as a result, it does 10 not include any forecasted fiscal impacts. However, 11 CalPERS will continue to monitor the impacts of COVID-19 12 and scrutinize all expenses to make sure they're 13 absolutely essential.

Any resulting changes to the budget will be brought to the Board in November for the mid-year review. At this time, CalPERS does recommend the Board approve the budget as proposed to provide the funding for the upcoming fiscal year beginning this July 1st.

> Thank you. That concludes my presentation. CHAIRPERSON TAYLOR: Thank you, Jennifer.

I do have some questions on this. So our first question goes to Margaret Brown.

BOARD MEMBER BROWN: Hi, Jennifer. Thank you for that thorough presentation. I want to draw your attention to -- let's see if I can get it to go -- to page 19 of

attachment 1. Excuse me, I'm trying to get this to 1 navigate back. Just give me a second. The investment 2 external management fees. And you talked about the reason 3 for the savings. And I just had a question about the 4 increase in cost for management fees. I'm looking at 5 private equity is going from 295, I assume that's million, 6 to 300 million, or a 1.7 percent increase. 7 Do we know 8 specifically why that is? Is that for the vendor we brought on to help us with co-investments or? No. 9 CHIEF FINANCIAL OFFICER COHEN: Let's go ahead 10 and bring Dan Bienvenue from the Investment Office into 11 the conference. And I think he'll be in the best position 12 to answer your questions regarding their forecast. 13 BOARD MEMBER BROWN: Thanks, Mr. Cohen. 14 CHIEF FINANCIAL OFFICER COHEN: Absolutely. 15 16 CONFERENCE MODERATOR: Hi, Dan. You should be able to turn your video and your audio on. 17 INTERIM CHIEF OPERATING INVESTMENT OFFICER 18 19 BIENVENUE: All right. Can you hear me? 20 All right. Excellent. You know those management fees are very much 21 forecasts and they're difficult forecasts to make, just 2.2 23 because we don't know obviously how much capital is going to get called. We don't know exactly what we're going to 24 25 commit -- be able to commit to at the beginning of the

J&K COURT REPORTING, LLC 916.476.3171

year. But using our pacing models, that's where we believe what will get called on the private equity side will result in those fees going to that 300 number, that \$5 million increase.

1

2

3

4

5

6

7

8

9

10

11

12

13

BOARD MEMBER BROWN: And then what about the opportunistic strategies, that's going up 5.4 million? It looks like it's more than a 100 percent. I'll draw that to Michael Cohen's attention.

FINANCIAL PLANNING, POLICY & BUDGETING DIVISION CHIEF HARRIS: Margaret, this is Jennifer Harris.

Yes, that is an area. It's actually going up 250 percent. Our apologies. We did go back and double check that all of the other percentage increases are accurate.

BOARD MEMBER BROWN: Yeah. I was going to say.
I was wondering if you couldn't go above a hundred. Okay.
So what's the increase for Mr. Bienvenue?

17 INTERIM CHIEF OPERATING INVESTMENT OFFICER 18 BIENVENUE: Yeah. So that increase -- now, as Michael 19 said, this was -- and I know this came up yesterday and we 20 decided to talk about it today, so I'm happy we're talking 21 about it. As Michael said, this increase where all of 22 these projections were done sort of pre-COVID, so this 23 does not include what we think will change with COVID.

But I will say that with the opportunistic strategies, we have been focusing there. We do think that

some of these, you know, sort of opportunistic areas are 1 places where there are advantages to be gained and capital 2 to be deployed. So, you know, as money has come 3 internally managed, especially, you know, on the equity 4 and the MAC side, and greatly reducing, you know, the 5 overall fee load by, you know, something like \$214 6 million, there are pockets where it's going up and those 7 8 are places where we're committing. BOARD MEMBER BROWN: Great. Thank you. 9 CHAIRPERSON TAYLOR: Great. I have a question 10 from Jason. 11 Mr. Perez. 12 COMMITTEE MEMBER PEREZ: I just wanted to say 13 thank for you guys sharpening the pencils. I know last 14 time we had discuss the budget, there were some issues. 15 16 Not issues. There was some substantive discussion now. It looks like you guys listened to and pushed. And that 17 is a huge, huge difference to put that kind of money back 18 in the members' pockets. So thank you. 19

20 CHAIRPERSON TAYLOR: I will second that. 21 These -- these savings over the last few years are 22 amazing. I appreciate focusing on our blanket positions 23 and our seasonals.

I did have one quick question. You said you had a 7.5 percent vacancy rate. Is that something you are --

and then later, you said something about having -replacing vacancies with lower cost positions, I think. So I just wanted to -- is the vacancy rate something we're going to rectify or are you trying to get rid of those positions?

FINANCIAL PLANNING, POLICY & BUDGETING DIVISION CHIEF HARRIS: Hi, Chair. This is Jennifer Harris. CalPERS does typically run between seven and seven and a half percent vacancy rate. So the seven and a half was the vacancy rate on December 31st.

11 On March 31st, we are actually at an eight 12 percent vacancy rate. Recruitments are taking a little 13 bit longer, given the telework environment, and the 14 efforts that we're doing to mitigate impacts of COVID-19.

The redirection of the high cost vacancies to lower salaried positions is really the efforts of our position pool, where we take a look at refilling any vacancy that comes up. And if it's no longer needed for the original purpose, then we redirect it where it's mostly critically -- most critically needed within the organization. So that is what happened there.

22

1

2

3

4

5

6

7

8

9

10

CHAIRPERSON TAYLOR: Okay.

FINANCIAL PLANNING, POLICY & BUDGETING DIVISION CHIEF HARRIS: Over the last year and a half, two years, we have actually redirected over 40 positions in the

1 position-pooling effort.

2

3

4

5

6

7

CHAIRPERSON TAYLOR: Okay. Great. I appreciate it. Thank you. And then -- I'm sorry. It looks like I have a question from Mr. Miller.

VICE CHAIRPERSON MILLER: Not on this item. Next item, I have a comment.

CHAIRPERSON TAYLOR: Mr. Jones.

8 COMMITTEE MEMBER JONES: Yes. Thank you. Madam Chair. I just want to also thank the staff for a very 9 clear presentation. The budget presentation seems to 10 continuously -- continues to improve year over year. 11 And also just to recognize and highlight your savings of \$213 12 million over that period of time that you mentioned. 13 And I think that we just -- do just focus on your bottom line 14 15 on your investment management fees, because as you execute 16 your strategies throughout the year, you're going to be moving back from one asset class to another. 17 So it's understandable that you could see some swings between 18 asset classes. 19

But the bottom line is what we need to focus on, because that's the amount of money that's going to be left in the fund to earn investment returns.

And I also want to congratulate you on reducing your number of days to provide actual cash flows from five to three days, because that's two more days of money

that's staying in the fund to earn interest to pay -- help pay our member's benefits. So congratulations on a job well done.

1

2

3

4

5

6

8

9

10

11

17

CHAIRPERSON TAYLOR: Thank you. And I will reiterate that as well. Just very impressed that we -you guys have done such a great job at cutting our costs.

7 The opportunistic strategies that went up more than a hundred percent, two hundred and something you said, I think we discussed yesterday, and Dan said that as much, but I think a lot of that has to do with leverage and debt that we were talking about yesterday. So I think that's why those have gone up. 12

But again, I acknowledge that Henry is correct is 13 it's going to swing back and forth, the fact that the 14 investment office has saved quite a bit of money is great. 15 16 The overall savings is amazing.

And with that, Ms. Olivares has a question.

COMMITTEE MEMBER OLIVARES: Thank you. And this 18 question is for -- I think, it's for Dan and Mike. 19 I'm trying to understand again what our cost of managing money 20 is. So I think before we talked about it being around 8 21 bps. If we look at the external management fees and the 2.2 23 overhead for our Investment Office, I want to make sure I'm getting this correct. So I see that our external 24 25 management fees are almost 686 million -- go back to that.

J&K COURT REPORTING, LLC 916.476.3171

And then I'm trying to understand exactly what we're putting into the investment side, in terms of the fund management?

1

2

3

25

INTERIM CHIEF OPERATING INVESTMENT OFFICER 4 So, Ms. Olivares, I'll let Mike speak to what 5 BIENVENUE: is sitting in sort of what part of the budget between 6 7 Michael and Jennifer. I can tell you for ourselves when 8 I've set eight basis points in the past, that is more on the public market side. So that's global equity was run 9 around eight basis points. I think fixed income was 10 around six. With this reduction in fees, we would expect 11 the equity in all of the public markets to be down in --12 down in that sort of five to six basis point range, but 13 that's not for the whole plan. For the total portfolio, 14 we're in kind of the mid-20s, I think. 15 If I have to 16 remember the most recent number, it was around 26 to 28 17 basis points total, again, the private assets, you know, being, you know, frankly materially more expensive to run 18 19 and to manage. Although, they're also -- also that's where the expected returns are certainly on the private 20 equity side. 21

But the total is around that 26 to 28, if I recall correctly, and we would see that number coming down by this \$200 million.

COMMITTEE MEMBER OLIVARES: What does that 26 to

28 bps include? That's what I'm a little lost on. So there's investment salaries, right? There's external fund managers. But does that include some of the actuarial expenses that are related to the fund?

1

2

3

4

5

6

7

8

9

25

INTERIM CHIEF OPERATING INVESTMENT OFFICER BIENVENUE: Michael or Jennifer, is this something you can help with.

CHIEF EXECUTIVE OFFICER FROST: Yes. Jennifer, do you want to try. And if not, I can do that.

10 FINANCIAL PLANNING, POLICY & BUDGETING DIVISION 11 CHIEF HARRIS: Sure. No. So we do have funds for the 12 Investment Office in various places within the budget. So 13 for staff salaries, you can see that on page 22. That's 14 the administrative budget by branch. So the Investment 15 Office, there's 95 million budgeted. So that's both 16 salaries, benefits, and OE&E for the Investment Office.

17 Then you see the investment operating costs, which were that budget component, the 124.9 million 18 budgeted for 2020. And then there's the external manager 19 20 fees. So those three amounts would really be what is involved. And what you're talking about does not include 21 any of the actuarial costs. You can see the Actuarial 2.2 23 Office costs also on page 22. They're budgeted at 13.5 million. 24

COMMITTEE MEMBER OLIVARES: Right. I guess I'm

J&K COURT REPORTING, LLC 916.476.3171

trying to compare our investment operations and fund management with the cost of another party providing this. Like, for example, say if there was an ETF, for example, that did the global equities. I mean, there is sounds like we're very competitive. If we were to look at a different type of blend in terms of fund management, I just want to make sure that we're competitive. And I don't see a complete picture here. So it's kind of hard for me to piece this together.

10

1

2

3

4

5

6

7

8

9

CHAIRPERSON TAYLOR: Dan.

INTERIM CHIEF OPERATING INVESTMENT OFFICER 11 BIENVENUE: You know, Ms. Olivares, I think one thing that 12 could be helpful would be to look at the CEM survey from 13 past years, which does show CalPERS operating in that sort 14 15 of low cost quadrant relative to our peers. To your 16 point, there -- there aren't ETFs with -- at least that I'm aware of, with a blend similar to ours. 17 And it is the case that the -- you know, the private assets make it 18 19 challenging. Certainly on the public markets, we like to 20 compare ourselves to -- you snow, to the major -- the major sort of asset managers. And Vanguard was out 21 speaking to our maybe -- maybe five or six years ago. 2.2 And 23 I think their total cost comes in around 18 basis points. So we certainly feel very competitive on the public market 24 25 side.

And frankly, we've done a lot of work on the private market side too. And I think you see that in the CEM numbers. But I do think the CEM is probably the best benchmark that I can think of to help -- to help, you know, sort of get what you're digging at.

COMMITTEE MEMBER OLIVARES: Do we -- thank you, and appreciate that. I'd love to see some more information. Do we compare our internal cost for fund management to that of other large institutional investors?

INTERIM CHIEF OPERATING INVESTMENT OFFICER 10 BIENVENUE: Yes. That's what that CEM benchmarking survey does is it's other asset owners. To be fair, given our 12 size, it's hard to find too many comparables. But, you 13 know, we -- when we are compared to our, you know, other 14 15 sort of large asset owners, whether it's U.S.-based plans 16 or otherwise, our -- as I say, we come in that sort of low 17 cost quadrant.

18

1

2

3

4

5

6

7

8

9

11

COMMITTEE MEMBER OLIVARES: Yeah.

19 CHIEF EXECUTIVE OFFICER FROST: Ms. Olivares, I will make certain to get the CEM data out to you and the 20 rest of the Committee. But essentially, CEM is an 21 institution out of Toronto, Canada. They create a peer 2.2 23 group for each of the participating systems, and then they go through those four quads of defining the value and the 24 25 cost related to how that fund is operating, whether it's

on the staff or external management fees, et cetera. 1 So I'll send that out to you. I do know that we 2 often bring CEM out to present those numbers in person. 3 So I'll work with Dan to figure out what the best timing 4 of that might be, if the Committee is interested in 5 hearing this in more detail. 6 But in the meantime, I'll get the CEM -- our most 7 8 recent results from CEM out to the Committee. COMMITTEE MEMBER OLIVARES: Great. Thank you, 9 both. 10 CHIEF EXECUTIVE OFFICER FROST: Yeah. 11 12 CHAIRPERSON TAYLOR: Great. Seeing no more questions, this is an action item, so I need a motion to 13 move the item. 14 VICE CHAIRPERSON MILLER: So moved. 15 16 COMMITTEE MEMBER JONES: Second. 17 CHAIRPERSON TAYLOR: Moved by Mr. Miller, seconded by Mr. Jones. 18 19 Ms. Hopper, can you take a vote? COMMITTEE SECRETARY HOPPER: Yes Madam Chair. 20 Henry Jones? 21 CHAIRPERSON TAYLOR: Unmute, Henry. 2.2 23 Try again. 24 (Laughter.) 25 COMMITTEE MEMBER JONES: Yes. Did you get me

J&K COURT REPORTING, LLC 916.476.3171

this time? 1 COMMITTEE SECRETARY HOPPER: Frank Ruffino for 2 Fiona Ma? 3 CHAIRPERSON TAYLOR: Frank? 4 ACTING COMMITTEE MEMBER RUFFINO: Yes. 5 CHAIRPERSON TAYLOR: Okay. Yes. 6 COMMITTEE SECRETARY HOPPER: Thank you. 7 8 David Miller? VICE CHAIRPERSON MILLER: Aye. 9 COMMITTEE SECRETARY HOPPER: Stacie Olivares? 10 COMMITTEE MEMBER OLIVARES: Aye. 11 COMMITTEE SECRETARY HOPPER: Jason Perez? 12 COMMITTEE MEMBER PEREZ: Aye. 13 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava. 14 COMMITTEE MEMBER RUBALCAVA: 15 Aye. 16 CHAIRPERSON TAYLOR: All right. Thank you. Motion carries. 17 Moving to 7b, Annual Review of Board Member 18 Employer Reimbursements. And, Mr. Cohen. 19 20 CHIEF FINANCIAL OFFICER COHEN: Yes. Thank you, Chair. This is the annual presentation we bring to you. 21 2.2 For those Board members who are eligible, it authorizes a 23 percentage of their salary to be reimbursed for their local employer -- local or State. The percentages are 24 25 roughly the same as last year as laid out in the agenda

1 item. Unless there's questions, I think I'll just leave 2 it at that, at this point.

CHAIRPERSON TAYLOR: Was this a David question? 3 VICE CHAIRPERSON MILLER: Yeah. Not a question. 4 Just a comment that I'll probably be coordinating with 5 staff to revise my reimbursement, because I'm happy to say 6 7 I will be serving as Vice Chair of the Investment 8 Committee. Thank you all for that and look forward to that service. But I will probably be asking to have that 9 revised to reflect that, as my employer certainly wants 10 the details. 11

12 CHAIRPERSON TAYLOR: These are for this year, Mr. 13 Cohen, or next year?

14 CHIEF FINANCIAL OFFICER COHEN: These are for 15 this -- this year.

CHAIRPERSON TAYLOR: Okay.

16

17 CHIEF FINANCIAL OFFICER COHEN: And so certainly 18 we can bring back, at a future Board meeting, any 19 necessary amendments, whether it's a Finance Committee 20 meeting or just straight to the full Board, if there's a 21 slight adjustment.

22 CHAIRPERSON TAYLOR: Okay. That sounds fine. 23 Any other comments?

24 Okay. I've -- this is action item. It needs to 25 be moved.

Mr. Rubalcava.

1

COMMITTEE MEMBER RUBALCAVA: I'll move it. 2 CHAIRPERSON TAYLOR: Moved by Mr. Rubalcava. 3 VICE CHAIRPERSON MILLER: (Hand raised.) 4 CHAIRPERSON TAYLOR: Seconded by Mr. Miller. 5 Ms. Hopper, if we could please take a vote again. 6 COMMITTEE SECRETARY HOPPER: Henry Jones? 7 8 CHAIRPERSON TAYLOR: I'm sorry. 9 COMMITTEE MEMBER JONES: Aye. COMMITTEE SECRETARY HOPPER: Frank Ruffino for 10 Fiona Ma? 11 ACTING COMMITTEE MEMBER RUFFINO: Yes. 12 COMMITTEE SECRETARY HOPPER: David Miller? 13 VICE CHAIRPERSON MILLER: Aye. 14 COMMITTEE SECRETARY HOPPER: Stacie Olivares? 15 16 COMMITTEE MEMBER OLIVARES: Ave. COMMITTEE SECRETARY HOPPER: Jason Perez? 17 COMMITTEE MEMBER PEREZ: Aye. 18 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava? 19 20 COMMITTEE MEMBER RUBALCAVA: Aye. CHAIRPERSON TAYLOR: All right. Motion carries 21 on 7b. 2.2 23 Moving on to 7c, State Valuation Employer/ Employee Contribution Rates. 24 CHIEF FINANCIAL OFFICER COHEN: And on this one 25

we'll need to bring in the actuaries, so Scott Terando and 1 Nina Ramsey if the host can go ahead and bring them in. 2 They'll be presenting their proposed rate for adoption. 3 CONFERENCE MODERATOR: Yes, Nina and Scott, you 4 should be able to turn on your video and audio. 5 (Thereupon an overhead presentation was 6 7 presented as follows.) 8 CHIEF ACTUARY TERANDO: Are we good? CHAIRPERSON TAYLOR: Okay. Scott, I can see you. 9 I don't know if I can see Nina. 10 CHIEF ACTUARY TERANDO: Can you hear me? 11 CHAIRPERSON TAYLOR: Yes. 12 CONFERENCE MODERATOR: Hi, Nina. We're not 13 getting any audio from your microphone. 14 ASSOCIATE PENSION ACTUARY RAMSEY: 15 Now? There you go. 16 CHAIRPERSON TAYLOR: ASSOCIATE PENSION ACTUARY RAMSEY: 17 Okav. CHIEF ACTUARY TERANDO: All right. Good 18 19 afternoon. Madam Chair, members of the Committee, Scott Terando, Chief Actuary for CalPERS. 20 This agenda item recommends adoption of the 21 employer and employee contribution rates for the State 2.2 23 plans for fiscal year starting July 1st, 2020. The agenda item includes updated actuarial results. And for the most 24 25 part, the results are in alignment with what was presented

from last year's annual valuation. 1 At this point, I'll pass it along to Nina Ramsey 2 who will step through a more detailed analysis of our 3 results. 4 ASSOCIATE PENSION ACTUARY RAMSEY: 5 Thank you, Scott. 6 7 Good afternoon, Madam Chair, members of the Committee. Nina Ramsey, CalPERS actuarial team member. 8 We're here to present to you the results from the latest 9 State valuation as of June 30th, 2019. This valuation 10 determines the required contributions for the 2020-21 11 fiscal year. 12 Next slide, please. 13 --000--14 ASSOCIATE PENSION ACTUARY RAMSEY: 15 Thank you. 16 The State plan consists of the five-member 17 subgroups listed on slide two, the State miscellaneous, industrial, safety, peace officers and firefighters, and 18 19 CHP. 20 Next slide, please. -----21 ASSOCIATE PENSION ACTUARY RAMSEY: There have 2.2 23 been a few significant events since our last valuation. First, the PERF earned a 6.7 percent investment return for 24 25 the year ending June 30th, 2019. We also implemented our

new Amortization Policy, which amortizes gains and losses over 20 years, where previously they were amortized over 30 years. Our new policy will only impact new bases established on or after June 30th of 2019.

The State also contributed an additional \$2.5 billion in accordance with Senate Bill 90. This additional payment reduced the coming year's required contributions by approximately \$134 million. Because this payment came in after our valuation date, it is not reflected in the funded status, but will be reflected in the June 30th, 2020 funded status.

There will also be a few changes to member contribution rates and I will discuss those further on a later slide.

15

1

2

3

4

5

6

7

8

9

10

11

12

13

14

16

17

25

-----

Next slide, please.

ASSOCIATE PENSION ACTUARY RAMSEY: Here we have the current year and prior year results as of June 30th, 18 2019. We have a market value of assets of approximately 19 \$143.5 billion. This includes the 6.7 percent investment 20 return, but does not include the SB 90 additional payment. 21

We have an un -- I'm sorry, an accrued liability 2.2 23 of approximately \$205 billion, leaving us with an unfunded accrued liability of just over \$61 billion. 24

The expected contribution rates for the 20-21

fiscal year is \$7.348 billion, which is 374 million dollars greater than the current year's contribution.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

The rates are increasing primarily due to the following reasons:

First, we have the progression of the existing amortization basis, which ramp in costs over five years; also, we did experience an investment loss for the June 30th, 2019 year; and lastly, we've had -- the State plans have a payroll growth of 4.7 percent, which is greater than our assumed payroll growth rate of 2.75 percent.

These increases were offset by members entering into lower benefit formulas due to PEPRA. And we estimate that the State will see a \$76.3 million savings in the 20-21 fiscal year due to the increase in PEPRA members.

Next slide, please.

-----

ASSOCIATE PENSION ACTUARY RAMSEY: Here, we have 17 a comparison of the current year contributions to next 18 year's contributions by each member subcategory. You can 19 see that three of the five plans have increasing rates. 20 This includes miscellaneous, industrial, and CHP, while 21 the safety and peace officer firefighter plans have a 2.2 23 decreased rate. The contribution dollar amounts are increasing for all plans. The reason the dollar 24 25 contribution is increasing for the plans with rate

decreases is the fact that their payroll grew more than the contribution rate decreased.

On this slide in the column titled "Estimated Rate", those are the projected rates from our last year's valuation report. So you can see that we are within one percent for all of the plans comparison to the final rate and their projected rate from last year.

1

2

3

4

5

6

7

8

9

Next slide, please.

-----

ASSOCIATE PENSION ACTUARY RAMSEY: So on this slide we have the total 2020-21 contributions by plan. We have on the left, the actuarially determined contribution rate, in the center is the additional statutory contribution rate, which the State makes on top of the rates we calculate, to give the total contribution rate on the far right column.

The additional con -- I'm sorry. The additional statutory contribution, it's really just more for informational purposes for you. We're not asking you to approve those. This is something that the State handles during their annual budget process.

2.2

23

--000--

Next slide, please.

ASSOCIATE PENSION ACTUARY RAMSEY: So here we have a brief history of the State's overall funded status.

J&K COURT REPORTING, LLC 916.476.3171

The funded status is a measure of the plan's overall health. Each plan has its own funded status, which can be found in the agenda item on attachment 2. But here is the 3 overall State funded status, which has increased by half a 4 percent to 70 percent as of June 30th, 2019. 5

Next slide, please.

-----

ASSOCIATE PENSION ACTUARY RAMSEY: All right. Moving on to member contribution rates. So, in general, most State employees are exempt from the PEPRA requirement that they pay half of the normal cost. However, there are a few State PEPRA groups that do pay half of the normal cost. This includes the California Legislature, California State University, and the Judicial Branch.

This year, the normal cost has not changed by one 15 16 percent or more, so no change is necessary for the 20-21 fiscal year. 17

18

19

1

2

6

7

8

9

10

11

12

13

14

Next slide, please.

--000--

ASSOCIATE PENSION ACTUARY RAMSEY: There are 20 bargaining units who have agreed to pay half of the normal 21 cost for all of their members. So this would include 2.2 23 classic and PEPRA. This -- this would be for bargaining Units 5, 9, 10, and 16, who will be having changes in the 24 25 20-21 fiscal year.

So Bargaining Unit 9, their agreement to pay half of the normal cost ends on June 30th of this year. So on July 1st, they plans who have changed will revert back to what was previously bargained for. So the safety members in Bargaining Unit 9 will see a decrease from 11.5 to 11 percent, and the miscellaneous members in Bargaining Unit 9 will see a decrease from 8.5 to 8 percent effective July 1st, 2020.

Bargaining Unit 5 agreement to pay half of the 9 normal cost is effective on July 1st of this year. 10 So this will be the first time that they have changed. 11 The miscellaneous members in Bargaining Unit 5 will go from 12 paying 8 to 8.25 percent, and the CHP members in 13 Bargaining Unit 5 will increase from 11.5 to 12.5 percent. 14 The CHP members will continue to increase their member 15 16 contribution rate by one percent every year until it reaches 14.75 percent, which is half of the current normal 17 cost. 18

All of the other plans within these bargainingunits will not see any changes.

Next slide, please.

1

2

3

4

5

6

7

8

21

2.2

--000--

ASSOCIATE PENSION ACTUARY RAMSEY: So lastly, we have the projected future employer rates. You can see that the rates will be increasing over the next few years.

J&K COURT REPORTING, LLC 916.476.3171

This is mainly due to the progression of the amortization basis, which ramp in costs over five years. The rates begin to decrease in the 23-24 fiscal year for safety and the 24-25 fiscal year for all other plans. This is when the plans will begin to see the completion of some of their current amortization basis that will just drop off and then decrease the contribution rate.

1

2

3

4

5

6

7

8 These projections assume a seven percent 9 investment return and no other gains or losses. So these 10 will be -- likely be different in the final report that 11 will come out later this summer, which will use the final 12 June 30th, 2020 investment return.

As I mentioned, our report will be out later this summer and will include our methods, assumptions, and participant data information as well as the final investment return.

17 This concludes my presentation and with that I'd18 be happy to take any questions.

19 CHAIRPERSON TAYLOR: So I want to thank you for 20 the presentation. It was very good, very thorough. And 21 as we all know, this is all going to change probably, 22 so -- in your next report, we will see a difference here, 23 I'm sure.

I had heard that the State rates were -- that non-PEPRA members were also increasing. Is that -- am I

J&K COURT REPORTING, LLC 916.476.3171

incorrect about that, increasing their contribution, is 1 that incorrect? 2

ASSOCIATE PENSION ACTUARY RAMSEY: So for CSU, Legislature, Judicial Branch, those changes would apply to PEPRA members only. But for Bargaining Units 5, 9, 10 and 16, that applies to classic and PEPRA.

7 CHAIRPERSON TAYLOR: Okay. So that's where I heard that from. It's not any on other bargaining units. They bargained specifically to change it is what you're saying? 10

ASSOCIATE PENSION ACTUARY RAMSEY: Right now, 11 that's -- those are the only bargaining units that have 12 agreed. 13

CHAIRPERSON TAYLOR: Okay. All right. Any 14 15 questions? I do have some questions.

Mr. Miller.

3

4

5

6

8

9

16

VICE CHAIRPERSON MILLER: Yeah. 17 Thank you very This has been a very helpful report. much. I had 18 19 communicated a little with Scott just expressing the interest in seeing this and how keenly interested all the 20 stakeholders will be to see the reports in June and see 21 what the newest round of numbers looks like. So I really 2.2 23 appreciated it. It was really well put together, well In difficult times, I appreciate everybody 24 presented. 25 working under these new challenges. So great job, Scott,

and your team, and you as well Ms. Ramsey. 1

Thank you.

2

3

4

5

6

7

8

9

10

11

ASSOCIATE PENSION ACTUARY RAMSEY: Thank you. CHAIRPERSON TAYLOR: Thank you.

Also, I have a question from Ms. Brown. BOARD MEMBER BROWN: Thank you, Madam Chair.

I just had a question on the slide that's up, page 10 of 10, on the California Highway Patrol. You know, looking going across, it looks like we go up to 59 percent in 21-22, then we go down in 22-23, and then they go back up in 23-24, can you -- I don't know why that is, but maybe you can tell us why. 12

ASSOCIATE PENSION ACTUARY RAMSEY: Absolutely. 13 So as I mentioned, in this coming fiscal year, the members 14 will have their contribution rate increased. So if the 15 16 members are paying another extra percent every year, that 17 means that's one percent less that the employer will be paying. So that's why it kind of fluctuates a little bit, 18 19 because right now they're paying 12.5, in the 20-21 year, it will be 13.75, 14.5, and then 14.75 in 23-24, where it 20 kind of stabilizes and goes down. 21

BOARD MEMBER BROWN: 2.2 Great. Okay. Thank you. 23 ASSOCIATE PENSION ACTUARY RAMSEY: Um-hmm. CHAIRPERSON TAYLOR: Okay. Again, Nina thank 24 Scott, thank you for this report on this. This is 25 you.

also an action item, so I need someone to move the item. 1 VICE CHAIRPERSON MILLER: I'll move it. 2 CHAIRPERSON TAYLOR: Moved by Mr. Miller. 3 I need a second 4 COMMITTEE MEMBER RUBALCAVA: Second. 5 COMMITTEE MEMBER OLIVARES: I second. 6 7 CHAIRPERSON TAYLOR: Second by Mr. Rubalcava or 8 Ms. Olivares. No, I'm sorry. I said Mr. Rubalcava. Ms. Hopper I need a vote, please. 9 COMMITTEE SECRETARY HOPPER: Henry Jones? 10 CHAIRPERSON TAYLOR: Unmute, Henry. 11 COMMITTEE MEMBER JONES: Ave. 12 COMMITTEE SECRETARY HOPPER: Frank Ruffino for 13 Fiona Ma? 14 ACTING COMMITTEE MEMBER RUFFINO: 15 Aye. 16 CHAIRPERSON TAYLOR: David Miller? VICE CHAIRPERSON MILLER: Aye. 17 COMMITTEE SECRETARY HOPPER: Stacie Olivares? 18 COMMITTEE MEMBER OLIVARES: Aye. 19 20 COMMITTEE SECRETARY HOPPER: Jason Perez? COMMITTEE MEMBER PEREZ: Aye. 21 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava? 2.2 23 COMMITTEE MEMBER RUBALCAVA: Aye. CHAIRPERSON TAYLOR: All right. Thank you, Ms. 24 25 Hopper.

Item 7c has passed. We move on to 7d, Schools 1 Valuation Employer/Employee Contribution Rates. And 2 again, Scott and, I guess, Nina, correct? 3 ASSOCIATE PENSION ACTUARY RAMSEY: It will be 4 5 Kurt. CHAIRPERSON TAYLOR: Kurt. 6 ASSOCIATE PENSION ACTUARY RAMSEY: Yes. 7 8 CHAIRPERSON TAYLOR: Thank you (Thereupon an overhead presentation was 9 presented as follows.) 10 CONFERENCE MODERATOR: Hi, Kurt. You should be 11 able to share your vide and your audio now. 12 SUPERVISING PENSION ACTUARY SCHNEIDER: Hello. 13 Can everybody hear me? 14 CHIEF ACTUARY TERANDO: Yep. 15 16 SUPERVISING PENSION ACTUARY SCHNEIDER: Yep. Great. Thank you, Scott. Thank you, Madam Chair and 17 members of the Board. Let's -- I'm Kurt Schneider of the 18 CalPERS Actuarial Office. 19 20 Let's go to the next slide, please. -----21 SUPERVISING PENSION ACTUARY SCHNEIDER: All 2.2 23 right. So the purpose of this is to review the June 30, 2019 valuation results for the schools pool. 24 This 25 valuation determines the contribution rates for fiscal

1 2

3

4

5

6

7

8

9

10

11

12

13

14

year 2020-21 for employers and also the contribution rates for PEPRA employees. Unlike public agencies, we just have the one employer rate for all school employers.

Next slide.

## --000--

SUPERVISING PENSION ACTUARY SCHNEIDER: Just some highlights of the results. The investment return for the year was 6.7 percent, which was less than the assumed rate of return. And for schools, the assumed rate of return was 7.25 percent. The assumption changes that were reflected in this valuation was lowering the discount rate from 7.25 percent to 7 percent. You might remember that that was scheduled to happen one year later than it did for State and public agencies.

There is also a new amortization policy for this 15 16 plan -- for all CalPERS' plans effective with the 2019 valuation. It will only affect -- it generally affects 17 any amortization base established June 30, 2019 or later, 18 19 with the exception being the amortization base from the assumption change I just mentioned. So that assumption 20 base, we're using the old amortization policy, because 21 that assumption change was scheduled to take place before 2.2 23 we changed the Amortization Policy.

Another thing that happened the last -- since the last valuation was that the State made a contribution on

behalf of school employers in the amount of \$904 million.
CalPERS received that money in July of 2019, so that's
reflected in the contribution rates that were calculated
and adopting here today.

And the effect of that on next year's employer contribution is savings to employers of about \$37 million dollars.

Next slide.

-----

SUPERVISING PENSION ACTUARY SCHNEIDER: 10 So here we have very high level results. We have the market value 11 of assets. And you can see how that changed since the 12 prior valuation, the accrued liability, the unfunded 13 accrued liability. The main thing that we're concerned 14 with today is the employer contribution rate. And you see 15 16 it there going from 19.721 percent, effective today, to 22.68 percent effective starting July 1. 17

18

19

5

6

7

8

9

Next slide, please.

-----

20 SUPERVISING PENSION ACTUARY SCHNEIDER: So here 21 you see a lot more numbers. So here's the -- here's the 22 rates broken down a little bit more. Let me just give you 23 an overview. The top half of this slide is the 24 contribution requirements for the employer as a percentage 25 of payroll. The bottom half is dollar amounts in millions

of dollars. So the first column there -- you see there is the current contribution requirements effective today.

The middle column is what we projected the next year's contribution rates to be what we projected last year. And that far right column is the ones of the result of the valuation. Those are the contribution rates that will be effective next year.

8 So we broke down that 22.68 percent. Part of 9 it's the employer normal cost, which is the cost of the 10 benefits that are accruing during the year, followed by 11 the unfunded liability rate, 13.88 percent. And then that 12 negative number in parentheses that's the -- part of the 13 State contribution, which you can see down at the bottom 14 was \$100 million of that 904 million.

That \$100 million has an effect of reducing the employer contribution rate by 76 percent for the entire fiscal year. And that's where we get the 22.68 percent employer contribution rate.

Next slide.

1

2

3

4

5

6

7

19

20

--000--

21 SUPERVISING PENSION ACTUARY SCHNEIDER: So here, 22 we have the funded ratio over the last five years. You 23 can see that it decreased a little bit since the prior 24 year down to 68.5 percent. Part of that decrease you have 25 to realize is from lowering the discount rate. And when

J&K COURT REPORTING, LLC 916.476.3171

you lower the discount rate, the funded ratio does go down, but you have to keep in mind that going forward, the lower discount rate has a positive impact on the funded ratio, you know, versus the former higher discount rate. Next slide.

--000--

7 SUPERVISING PENSION ACTUARY SCHNEIDER: So we're 8 monitoring kind of the effect of PEPRA that it's having on 9 the plan. And currently about 36 percent of active 10 payroll is by PEPRA members. And since their benefits are 11 lest costly than classic remembers, it means the employers 12 are currently saving about 0.9 percent of payroll due to 13 the enactment of PEPRA.

The valuation also sets the member contribution 14 15 rates for PEPRA members in the schools pool. In this 16 valuation, since the total normal cost rate did not change by at least one percent, the PEPRA member contribution 17 rate does not change. So it's currently seven percent. 18 19 Next year, it will remain seven percent. Coincidentally, that's also the contribution rate for classic members is 20 also seven percent. So everything is seven percent for 21 2.2 members.

23

24

25

1

2

3

4

5

6

Next slide, please.

--000--

SUPERVISING PENSION ACTUARY SCHNEIDER: And

lastly, we project rates into the future. And like Nina said, these are going to change, because these rates are calculated assuming the fund earns seven percent every year, including this year. We did -- we are currently well below seven percent. We're probably not going to earn seven percent this year.

1

2

3

4

5

6

25

7 And just to give you an idea, so the projected 8 rate for the next fiscal year is projected the employer rate to be 24.6 percent, and that's if we earn seven 9 percent this year. Like I said, we're well below that. 10 If we were to earn zero percent, for example, that next 11 year's rate would be closer to 25.4. That it's 24.6 would 12 be about 0.8 percent higher, 25.4. Although, future rates 13 also change when we know the return, but they will change 14 again depending on future years' returns. 15

And just as for State, the -- an entire valuation report will be out later this year, later this summer, and that will include updated projections that take into account the actual rate of return for this current fiscal year.

21 And that concludes my presentation. And with 22 that, I'll take any questions.

23 CHAIRPERSON TAYLOR: Thank you, Kurt. I do have24 a question for you. Lisa.

BOARD MEMBER MIDDLETON: Okay. Thank you, Kurt.

J&K COURT REPORTING, LLC 916.476.3171

These numbers are not surprising, but they are alarming.
 Can you give us an outline as to what you expect to see in
 your next report, which I believe is going to be in June?

SUPERVISING PENSION ACTUARY SCHNEIDER: So the schedule for the schools pool we wait until the fiscal year is over in July. And after we finish all the public agencies' valuations, then we finish the valuation report for this. So usually, it's out in September sometime.

4

5

6

7

8

24

25

9 BOARD MEMBER MIDDLETON: September. And when 10 will you be reporting on other public agencies, cities, 11 counties, water districts, and so on?

12 SUPERVISING PENSION ACTUARY SCHNEIDER: Those are 13 expected to be out in late July, I believe.

BOARD MEMBER MIDDLETON: Will they reflect fiscal year-end?

16 SUPERVISING PENSION ACTUARY SCHNEIDER: No. So those projections also don't reflect it. Although in 17 those valuations it's a little bit easier to make an 18 19 adjustment and to see what those are, and then especially 20 for non-pooled agencies, like City of Palm Springs, they can use the Pension Outlook Tool to plug in the actual 21 return and get up-to-date projections any time they want. 2.2 23 Now, with public agencies, remember, there is a

two-year delay in the contribution rate, so --

BOARD MEMBER MIDDLETON: Well aware.

SUPERVISING PENSION ACTUARY SCHNEIDER: -- when 1 we -- so the rates that we will know for certain when we 2 finish the next valuation are not for the upcoming fiscal 3 year, like they are for State and schools, they're for the 4 following year. So we know with certainty what public 5 agencies are required to pay, you know, a full year in 6 advance. And the projection is looking out two years. 7 8 BOARD MEMBER MIDDLETON: All right. Thank you. CHAIRPERSON TAYLOR: Okay. Lisa, does that 9 10 answer all your questions? BOARD MEMBER MIDDLETON: For now. 11 12 CHAIRPERSON TAYLOR: Okay. It looks like I don't have any other questions for Kurt. So let's go ahead and 13 take a vote. This is also an action item. I need a 14 motion to move the item. 15 16 COMMITTEE MEMBER PEREZ: I'll motion. 17 CHAIRPERSON TAYLOR: Okay. Mr. Perez. Moved by Mr. Perez. 18 VICE CHAIRPERSON MILLER: Second 19 20 CHAIRPERSON TAYLOR: Seconded by Mr. Miller. And -- sorry, I hit the button. Ms. Hopper, can 21 you go ahead and take a vote. 2.2 23 Thanks. 24 COMMITTEE SECRETARY HOPPER: Madam chair, thank 25 you.

J&K COURT REPORTING, LLC 916.476.3171

Henry Jones? 1 2 COMMITTEE MEMBER JONES: Aye. COMMITTEE SECRETARY HOPPER: Frank Ruffino for 3 Fiona Ma? 4 ACTING COMMITTEE MEMBER RUFFINO: Aye. 5 COMMITTEE SECRETARY HOPPER: David Miller? 6 VICE CHAIRPERSON MILLER: Aye. 7 8 COMMITTEE SECRETARY HOPPER: Stacie Olivares? COMMITTEE MEMBER OLIVARES: Aye. 9 COMMITTEE SECRETARY HOPPER: Jason Perez? 10 COMMITTEE MEMBER PEREZ: Aye. 11 COMMITTEE SECRETARY HOPPER: Ramon Rubalcava? 12 COMMITTEE MEMBER RUBALCAVA: 13 Aye. CHAIRPERSON TAYLOR: All right. Thank you. 14 Motion carries for 7d, Schools Valuation Employer/Employee 15 16 Contribution Rates. And we are moving on to 7e, Proposed Board of 17 Administration Election Regulations. 18 CHIEF FINANCIAL OFFICER COHEN: And if we can go 19 20 ahead and have Dallas Stone brought in. Just as a reminder, you heard this item in February. And this is 21 coming back to you for approval of the election regulation 2.2 23 package. CONFERENCE MODERATOR: Hi, Dallas. You're on. 24 25 You should be able to share your video and audio.

1 2

3

4

5

6

7

8

OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF STONE: Hi. Good afternoon. Can everyone hear me?

CHAIRPERSON TAYLOR: We sure can.

OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF STONE: Fantastic. All right. Good afternoon, members of the Committee. Dallas Stone, CalPERS' team member. This is an action item seeking the Board's approval of proposed amendments to the Board election regulations.

During the Board election off year, CalPERS team 9 members identify and submit regulatory changes to improve 10 and clarify the process for the next Board election cycle. 11 In addition, during the February 2020 Finance and 12 Administration Committee meeting, it was requested that 13 regulatory provisions be added to include an opportunity 14 for candidates to voluntarily provide additional relevant 15 16 information in their candidate statements, including 17 information regarding financial solvency, sexual harassment, conflicts of interest, and protection of 18 19 confidentiality.

20 The proposed amendments include technical 21 regulatory changes to clarify existing procedures. They 22 are:

Delete an unnecessary comma. We're going to replace "he" or "she" with "they". We are making this gender-neutral amendment only in sections 554.5(c) of this

J&K COURT REPORTING, LLC 916.476.3171

regulatory package, since we are clarifying this subdivision. There are additional gender-specific references throughout the Board election regulations that will be amended to reflect gender-neutral references at a later date with a Section 100 amendment. The Section 100 amendment is a process that allows agencies to work directly with the Office of Administrative Law to make technical changes that will not have a regulatory effect. This will allow CalPERS to streamline this regulation package, while using the Section 100 process to convert all remaining references to general -- general[SIC] neutral.

1

2

3

4

5

6

7

8

9

10

11

12

We're also going to clarify that a request for an arbitration must be submitted no later than five working days after both the candidate statement and the addenda have been distributed, to clarify the candidate requesting the arbitration does not need to submit a notice of participation. The initial request is considered the notice of participation.

We're going to delete an obsolete provision that permitted use of comparable return envelope to return the ballot, instead of the official envelope included in the ballot package. Since a barcode was moved to the return envelop in 2018, voters must use the return envelope included in the ballot package to ensure only one vote is

J&K COURT REPORTING, LLC 916.476.3171

cast per voter. We're going to clarify that CalPERS should not place any information that identifies the voter on the ballot such as a barcode. We're going to clarify that if a voter does not sign the return envelop, the ballot will be invalid.

We're going to clarify that the current ballot intake process, the ballots are scanned but not opened to ensure only one vote is cast per voter. Ballots are only opened after the voting period has been closed. Additionally, the proposed amendments add the following four questions to the five existing questions that the candidates may answer in their candidate statement.

The addition of these questions is intended to encourage the candidate to provide voters with additional relevant information regarding financial solvency, sexual 16 harassment, conflicts of interest, and protection of confidentiality. 17

These additional questions are: Within the past 18 19 five years, have you had any financial hardships such as bankruptcy filings, insolvencies, assignments for benefits 20 of creditors, monetary judgments, liens and attachments, 21 wage garnishments, notices of foreclosure or similar 2.2 hardships? If yes, please explain the nature of the 23 hardship and how it was resolved. 24

25

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Second question, have you ever been subject to

any legal or employment action on the grounds of discrimination or sexual harassment? If yes, please explain the nature of the legal or employment action and how it was resolved.

Third question. Do you have any conflicts of interest that could impact your role as a CalPERS Board member? If yes, please explain the nature of the conflict or conflicts and how you would address it or them if you are elected to the Board.

10 And the fourth question. Will you maintain the 11 confidentiality of all non-public information that you 12 receive in your position on the CalPERS Board?

If the proposed amendments are approved, the 13 notice package will be submitted to the Office of 14 Administrative Law to initiate the rulemaking process and 15 16 begin the 45-day comment period to allow feedback from the public. During the September Finance and Administration 17 Committee meeting, we will present the comments we 18 received, if any, and seek approval to submit the final 19 20 rulemaking package to Office of Administrative Law.

21 These proposed amendments will not impact the RFP 22 that we will be releasing in May.

23 I'm happy to answer any questions you may have at 24 this time.

Thank you.

1

2

3

4

5

6

7

8

9

25

J&K COURT REPORTING, LLC 916.476.3171

CHAIRPERSON TAYLOR: Thank you, Mr. Stone. That was very clarifying. I appreciate that.

I thought I had a question myself. Hold on a second. Oh, the envelope, that's what I had a question on. It's not in here, because this is actually changing the administrative law, but we are changing the envelopes, is that correct, so that they aren't see-through, is that what we were going to do? I can't remember.

9 OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF 10 STONE: So also part of our February Board update when we 11 did the elections program overview, we did notify you that 12 we will be moving to a -- to a security tinted envelope 13 for the return ballot.

14 CHAIRPERSON TAYLOR: Okay. Excellent. I thought 15 I remembered that, but I wasn't absolutely sure. I have a 16 question from Ms. Brown.

Thank you, Dallas. 17 BOARD MEMBER BROWN: Did I hear you say that you're going to be including something 18 in the ballot that says don't use your own envelope. 19 You 20 must use the CalPERS envelope, otherwise request another I don't think people know that like you can spill 21 one. your coffee on it and so you'll just use a new envelope 2.2 23 and then that's not allowed and that vote is not counted. It happened quite a bit. 24

25

1

2

3

4

5

6

7

8

OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF

STONE: So in the instructions, if members were to damage or spoil their return envelope or their ballot, they can call our 800 help desk and we will mail them out a brand new ballot package for them to vote.

The reason why we can't use just a standard envelope is due to the barcode being on there. We have to be able to scan it to ensure one vote per voter.

8 BOARD MEMBER BROWN: I think people more or less 9 understand about their ballot being spoiled, but not 10 necessarily about that envelope being spoiled, you know, 11 because -- so -- but that's helpful, if we can have 12 something in the instructions that really say don't use 13 your own envelope. That would be helpful.

And then I had a question on attachment 1, page 14 15 three of six. The question I have is with number nine. Ι 16 think the idea of non-public information being kept confidential, I think that's too general, because 17 there's -- there's non-public information that is not 18 confidential. It's not saying will you keep confidential 19 20 information confidential. You're just saying non-public information. I think it's too general. 21

22 OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF 23 STONE: Would you have a proposed edit that we should 24 discuss further?

25

1

2

3

4

5

6

7

BOARD MEMBER BROWN: Yeah. I would say that

items appropriately designated confidential, would you keep them as confidential. Non-public information is not necessarily confidential information. Let's be very 3 They're two different things. clear.

1

2

4

5

6

7

8

9

10

15

OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF I don't at this time if maybe Matt or if we can STONE: bring in Justin Simpson or Chloe Quail into the discussion, if they have a comment on that from a legal perspective.

CHAIRPERSON TAYLOR: Yeah. Is Matt on?

GENERAL COUNSEL JACOBS: Yes, I'm on. We're 11 drawing some pretty narrow lines here. I don't -- I mean, 12 if it's non-public, then presumably it's confidential, 13 so --14

> BOARD MEMBER BROWN: But not necessarily. GENERAL COUNSEL JACOBS: What would be -- Ms.

16 17 Brown, what would be non-public but not confidential?

BOARD MEMBER BROWN: Something an employee tells 18 19 you, something a reporter tells you. That is non-public, 20 but it is not confidential.

GENERAL COUNSEL JACOBS: I don't know. I think 21 we're cutting the baloney a little thing there, so I would 2.2 23 propose to leave it as is.

24 CHAIRPERSON TAYLOR: Thank you. And then my next 25 question is from Mr. Jones.

COMMITTEE MEMBER JONES: Yes. Thank you, Madam 1 I just want to say that I support these 2 Chair. Yeah. additions, and -- as we discussed before. And I think 3 that it improves the transparency of -- to be sure that 4 the candidates are providing the information, so the 5 constituencies that are going to be casting a ballot for 6 them have as much information as possible. And I think 7 8 it's worthwhile to note that a few of these added items are already required by CalPERS after a candidate is 9 successful. So it's just making sure that that 10 information is provided before the election, as opposed to 11 once you are on the Board, then you're required to comply 12 with a couple of these items. So I support these 13 amendments. 14 15 And if you need a vote, I would move that we 16 approve the -- this item. Thank you, Mr. Jones. 17 CHAIRPERSON TAYLOR: I'll take that under advisement. I still have a 18 19 couple of questions. 20 Mr. Perez. COMMITTEE MEMBER PEREZ: Initially, I was fine 21 with this, but Ms. Brown brings up some pretty good 2.2 23 points. This is all voluntary, right? CHAIRPERSON TAYLOR: Right. Absolutely. 24 25 COMMITTEE MEMBER PEREZ: Okay. So I see her

J&K COURT REPORTING, LLC 916.476.3171

point where there's some information that we get that we 1 feel compelled to share for different reasons. But if you 2 don't -- you don't have to attest to it initially, 3 CHAIRPERSON TAYLOR: That's correct. This is 4 5 voluntary. COMMITTEE MEMBER PEREZ: Matt. I trust you 6 7 Theresa, but I want to hear it. GENERA COUNSEL JACOBS: It's unclear to me what 8 9 your question is, Mr. Perez. COMMITTEE MEMBER PEREZ: This is just a voluntary 10 statement. We don't even have to acknowledge this 11 statement or check that box on the application? 12 GENERAL COUNSEL JACOBS: That's correct. 13 COMMITTEE MEMBER PEREZ: Okay. 14 Thank you. OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF 15 16 STONE: Mr. Perez, yeah, section 554.6, section (d) it 17 says, "As part of a candidate statement, a candidate is urged, but not required, to provide answers to the 18 19 following questions". 20 COMMITTEE MEMBER PEREZ: Okay. Thank you. CHAIRPERSON TAYLOR: Okay. Was that your 21 question, Jason? 2.2 23 COMMITTEE MEMBER PEREZ: Yes, ma'am. CHAIRPERSON TAYLOR: All right. Great. 24 Ms. Olivares. 25

J&K COURT REPORTING, LLC 916.476.3171

COMMITTEE MEMBER OLIVARES: Thank you, Madam 1 Chair. So as we go through this, it just reminds me of 2 recent headlines about the Postal Service and how again 3 there's some fiscal trouble, and there's this discussion 4 about postal services not being able to do their duty due 5 to COVID. So I would just want us to keep in the back of 6 our minds additional options for voting and handling other 7 8 matters that we've traditionally done by mail.

9 CHAIRPERSON TAYLOR: We do. Dallas, did you want 10 the go into that, what our other options for mail -- for 11 voting are?

OPERATIONS SUPPORT SERVICES DIVISION ACTING CHIEF 12 STONE: Absolutely. Yeah. So we offer three voting 13 options for all of our eligible voters. One is they could 14 vote online. We provide our members with a pin and an 15 16 identification number for them to enter into a secure area and place their vote. The second option is they can vote 17 via telephone through an IVR system. And then the third 18 19 option is through the paper ballot process.

20 CHAIRPERSON TAYLOR: Great. Is that sufficient, 21 Stacie?

22 COMMITTEE MEMBER OLIVARES: Yes. I just wanted a 23 reminder of that. Thank you.

24

25

CHAIRPERSON TAYLOR: Thank you very much. Seeing -- let me take sure. Seeing no other

questions, this is an action -- yes, this is an action 1 item. So I -- Mr. Jones you moved it earlier. So I need 2 a second. 3 COMMITTEE MEMBER RUBALCAVA: (Raised hand.) 4 VICE CHAIRPERSON MILLER: I'll second it. 5 It looks like Ramon beat me. 6 7 CHAIRPERSON TAYLOR: Mr. Rubalcava is seconding 8 the motion. I need a, vote Ms. Hopper. 9 COMMITTEE SECRETARY HOPPER: Henry Jones? 10 COMMITTEE MEMBER JONES: Aye. 11 COMMITTEE SECRETARY HOPPER: Frank Ruffino for 12 Fiona Ma. 13 ACTING COMMITTEE MEMBER RUFFINO: Aye. 14 COMMITTEE SECRETARY HOPPER: David Miller? 15 16 VICE CHAIRPERSON MILLER: Aye. COMMITTEE SECRETARY HOPPER: Stacie Olivares? 17 COMMITTEE MEMBER OLIVARES: Aye. 18 COMMITTEE SECRETARY HOPPER: Jason Perez? 19 20 COMMITTEE MEMBER PEREZ: Aye. COMMITTEE SECRETARY HOPPER: Ramon Rubalcava? 21 COMMITTEE MEMBER RUBALCAVA: Aye. 2.2 23 CHAIRPERSON TAYLOR: All right. Motion passes for Item 7e. 24 25 And we move on -- I have Item 8. It says

information agenda items. Was that supposed to be any 1 direction from the Committee? 2 CHIEF FINANCIAL OFFICER COHEN: Correct. Yes. 3 Just a summary of Committee direction. I have one item, 4 which is to get the Board members the most recent CEM data 5 on the Investment Office's comparisons to some peers in 6 terms of cost data. 7 CHAIRPERSON TAYLOR: Great. And we do appreciate 8 9 that. Thank you very much. CHIEF FINANCIAL OFFICER COHEN: Absolutely. 10 CHAIRPERSON TAYLOR: All right. So since that's 11 the last item, I think I had no public comments. Yes. 12 MS. HOPPER: That's correct, Madam Chair. I have 13 not heard of any public comment for this item. 14 CHAIRPERSON TAYLOR: All right. So then I -- we 15 16 are done with Finance and Administration. I'm adjourning the Fine and Administration Committee meeting. It is 3:16 17 p.m. Let's give it 15 minutes for to set up for Risk and 18 Audit. So how about 3:31. I see everybody -- if that 19 20 works for whoever is Risk and Audit. Thanks. (Thereupon the California Public Employees' 21 Retirement System, Board of Administration, 2.2 23 Finance & Administration Committee meeting adjourned at 3:17 p.m.) 24 25

J&K COURT REPORTING, LLC 916.476.3171

CERTIFICATE OF REPORTER 1 I, JAMES F. PETERS, a Certified Shorthand 2 Reporter of the State of California, do hereby certify: 3 That I am a disinterested person herein; that the 4 foregoing California Public Employees' Retirement System, 5 Board of Administration, Finance & Administration 6 Committee meeting was reported in shorthand by me, James 7 8 F. Peters, a Certified Shorthand Reporter of the State of 9 California; That the said proceedings was taken before me, in 10 shorthand writing, and was thereafter transcribed, under 11 my direction, by computer-assisted transcription. 12 I further certify that I am not of counsel or 13 attorney for any of the parties to said meeting nor in any 14 way interested in the outcome of said meeting. 15 IN WITNESS WHEREOF, I have hereunto set my hand 16 this 29th day of April, 2020. 17 18 19 fames y fatter 20 21 JAMES F. PETERS, CSR 2.2 23 Certified Shorthand Reporter License No. 10063 24 25

J&K COURT REPORTING, LLC 916.476.3171